

**AGENDA
CITY OF PATTERSON**



**CITY COUNCIL REGULAR MEETING
June 7, 2016
7:00 p.m.**

**City Council Chambers
1 Plaza
Patterson, California**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk at (209) 895-8014. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. [28 CFR 35.102-35.104 ADA Title II]

The agenda and supporting public documents are available for viewing in City Hall, Administration Department, 1 Plaza, 2nd Floor, Patterson, California. The agenda and supporting public documents are also available online on our City web site www.ci.patterson.ca.us listed under Popular Links “Agenda Center” and listed under the “Upcoming Events Calendar” under the date of the meeting or please call or email the City Clerk at (209) 895-8014 or cityclerk@ci.patterson.ca.us

If you wish to be notified of future meetings, please subscribe to “Notify Me” listed under Popular Links on our City of Patterson web site www.ci.patterson.ca.us

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Statements of Conflict**
- 4. Items from the Public**

Any member of the audience desiring to address the Council regarding a matter on the agenda, please raise your hand or step to the podium at the time the item is announced by the Mayor. The public wishing to address the Council on items that do not appear on the agenda may do so; however, Council will take no action other than referring the item to staff for study and analysis and shall place item on a future agenda (Resolution 92-25)

In order that all interested parties have an opportunity to speak, any person addressing the Council will be limited to a maximum of five (5) minutes unless the Mayor grants a longer period of time (Resolution 92-25)

5. DISCUSSION AND APPOINTMENT TO FILL CITY COUNCIL VACANCY

Pursuant to Discussions at the Special City Council Meeting of May 23, 2016, Motion to Appoint Candidate to Fill the City Council Vacancy.

6. ADMINISTER OATH OF OFFICE (Mayor Molina)

7. Consent Calendar

All items are approved by a single action. Any item may be removed from the Consent Calendar for separate discussion upon request from a member of the Public, Staff and/or Councilmember.

- 7.1 Motion to Waive Readings - All Readings of Ordinances and Resolutions, Except by Title are hereby waived.
- 7.2 Approval of City Council Meeting Minutes of April 19, 2016, April 25, 2016, May 3, 2016, May 17, 2016, May 20, 2016 and May 23, 2016 ([View Report](#))
- 7.3 Approval of the Reclassification of Human Resources Manager Classification to Director of Human Resources, the Director of Human Resources Job Description and Salary ([View Report](#))
- 7.4 Approve Authorizing the Purchase of Self-Contained Breathing Apparatus (SCBA) for the City of Patterson Fire Department from Cascade Fire Equipment (Resolution No. 2016-42) ([View Report](#))
- 7.5 Approve Resolution No. 2016-43, Accepting the 3-Year Street Striping and Pavement Marking Services Project as Complete, Authorizing Staff to File the Notice of Completion ([View Report](#))
- 7.6 Approve Resolution No. 2016-49, Requesting from the Stanislaus County Board of Supervisors to Consolidate the City of Patterson (4) Districts & Mayor at Large Election, Districts A & C (4-Year Full Terms) and Mayor at Large (2-Year Full Term) Being Up this November 8, 2016 Election, with the County's Presidential General Election to be Held on November 8, 2016, requesting the Services of the Registrar of Voters, Elections Division of the County of Stanislaus to Conduct the Election of Behalf of the City of Patterson ([View Report](#))
- 7.7 Approve Resolution No. 2016-46, Rejecting the Claim of Natasha Bailey In An Unknown Amount for Alleged Damages ([View Report](#))
- 7.8 Approve Resolution No. 2016-47, Rejecting the Claim of Raymond Bernard Rodriguez In An Unknown Amount for Alleged Damages ([View Report](#))

8. Presentations and Public Hearings

- 8.1 Presentation:** Proclamation “Disability Awareness Month” June 2016
Anthony Areallnes, Director of Programs (Mayor Molina)
(Proclamation to be made available at the meeting)
- 8.2 Presentation:** Patterson Police Services Update (Police Chief Dirkse)
- 8.3 Public Comment/
Action Item:** Authorize Staff to Abate Public Nuisance, by Removing Weeds, Dirt, Rubbish, and/or Rank Growth Pursuant to the Provisions of Ordinance No. 243 and Ordinance No. 704, as defined in Chapter 6.16 of the Patterson Municipal Code - Property Maintenance; Authorize Staff to Begin Bid Process (Resolution No. 2016-48) Clean Up Process
(View Report)
- Staff Report:** Interim Fire Chief Gregory
Mayor: Open/Close Item to Public Comments
Council: Motion to Approve Reso. No. 2016-48
- 8.4 Public Hearing:** Recommend Approval of Resolution No. 2016-44 and Resolution No. 2016-45 to Adopt the City of Patterson 2015 Urban Water Management Plan and Water Shortage Contingency Plan **(View Report)**
- Staff Report:** Public Works Director Willett
Mayor: Open/Close Public Hearing
Council: Motion to Approve Reso. Nos. 2016-44 & 2016-45

9. City Staff Reports

City Manager

- a. Review and Approval of the New Law Enforcement Services Agreement Between the City of Patterson and County of Stanislaus **(View Report)**
- b. Approve a Resolution (No. 2016-50) to be Forwarded to Stanislaus County Board of Supervisors in Support of a Reward to a Real Estate Watchdog **(View Report)**

10. Council Items

10.1 City Council Reports

Mayor Molina:

- StanCOG (Councilmember McCord Alternate)
- Stanislaus County Mayors Dinner
- Patterson/West Stanislaus Fire Services Committee
(Councilmember Farinha 1st Alternate, Councilmember Novelli 2nd Alternate)
- Stanislaus County Disaster Council (Councilmember McCord Alternate)

Mayor Pro Tem Novelli:

- Patterson Representative – League of California Cities (LOCC)
(Councilmember Lustgarten Alternate)
- Stanislaus County Economic Development & Workforce “Alliance”
(Councilmember Novelli Alternate)
- Economic Development Action Committee (EDAC)
(Councilmember Novelli Alternate)

Councilmember Farinha:

- San Joaquin Air Pollution Control District – Valley-wide Special City Selection Committee (Councilmember Novelli Alternate)
- Stanislaus County Hazardous Waste Advisory Committee
(Councilmember McCord Alternate)

Councilmember McCord:

- Westside Health Care Task Force

10.2 Other Matters

11. Adjournment



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *KI*

BY: City Attorney Hallinan

MEETING DATE: June 7, 2016

ITEM NO: 5

SUBJECT: Discussion and Appointment to Fill City Council Vacancy

RECOMMENDATION

Pursuant to discussions at the Special City Council Meeting of May 23, 2016, motion to appoint candidate to fill the City Council vacancy.

FISCAL IMPACT

There is no fiscal impact.

VACANT CITY COUNCIL SEAT APPOINTMENT



RECEIVED
MAY 31 2016

BY: AR 1:47

The City Council of the City of Patterson is now accepting applications from individuals interested in serving on the City Council to fill an unexpired term of June through December 2016.

Interested Individuals are required to submit the following:

- "Application – City Council Member Appointment"
- Resume
- Essay of 400 words or less of why you would be the best candidate
- City Questionnaire

Applications can be picked up at City Hall, 1 Plaza, Patterson

Or Downloaded off the City website www.ci.patterson.ca.us

Listed under Popular Links, "Application – City Council Member Appointment"

Please submit your application to the City Clerk, City Hall, 2nd Floor or by email at cityclerk@ci.patterson.ca.us

For more information please call 895-8014.

Deadline to submit your application is Wednesday, June 1, 2016 before 5 p.m.

10 pages
in
total

Peter R. LaTourre Jr, MD (ret.)
5/31/16



APPLICATION CITY COUNCIL MEMBER APPOINTMENT

(This is a Public Record Subject to Disclosure)

Name of Applicant *Mr. ___ Mrs. ___ Ms. PETER P LA TORRE, JR, MD (ret.)

Residence Street Address 300 - No. 3RD ST. City PATTERSON Zip 95363

Mailing Address SAME City " Zip "

Phone (home) (209) 892-8511 (cell) (209) 985-8511 (put in turned off in my car glovebox) (work) "

Email Address peterlatorre@frontier.com Length of time at residence 44 YRS.

Employer RETIRED SINCE 2/1/2008

Experience or Special Knowledge Pertaining to Area of Interest

Ⓐ I SERVED FOR ABOUT 6-7 YEARS ON THE
ECONOMIC STRATEGIC COMMISSION (OF PATTERSON)
BEFORE I RETIRED, Ⓑ I HAVE A GREAT DESIRE TO SERVE PATTERSON.

Employment Experience

I WAS A PRACTICING, BOARD CERTIFIED, FAMILY PRACTICE
PHYSICIAN IN PATTERSON FROM 1972 UNTIL I RETIRED
IN 2008, AFTER 36 YEARS PRACTICING IN PATTERSON.

Organization and Community/Public Service/Experience

- 1) SACRED HEART CATHOLIC CHURCH
- 2) PATTERSON LIONS CLUB (SINCE 1975)
- 3) P.R.I.D.E SCHOLARSHIP GROUP/BOARD
- 4) FRIENDS OF PATTERSON LIBRARY
- 5) KNIGHTS OF COLUMBUS (LOCAL)
- 6) ECON. STRATEGIC COMM. (PATT.)
- 7) CATHOLIC CHARITIES (MODESTO OFFICE) → DRIVING PEOPLE TO DOCTOR + DENTAL APPTMTS (DEC '14 - MAR '16).

Education (high school, college, trade school or training)

Note: There is no specific educational requirement

SEE ATTACHED CURRICULUM VITAE.

Do you have any financial or professional interest or association related to this position?

Yes No If yes, please explain.

NONE

Please list three references with telephone numbers:

- 1. BARBARA HAILE Phone (209) 499-7766
- 2. RON WEST Phone (209) 895-4600
- 3. GORDON BARBOUSA Phone (209) 324-5327

REQUIRED 1) "Application – City Council Member Appointment" 2) A resume containing other pertinent information about yourself that would be helpful to the City Council in evaluating your application. 3) Essay of 400 word or less of why you would be the best candidate. 4) City questionnaire.

APPLICATION CERTIFICATION: PLEASE READ BELOW BEFORE SIGNING.

I hereby certify that I am registered to vote within the City of Patterson.

I certify that the statements made by me in this application are true, complete, and correct to the best of my knowledge and belief. I understand that statements made are subject to verification and that any misrepresentation, fraud, or omission of material facts may result in denial of appointment.

I hereby authorize representatives of the City of Patterson to contact organizations (including employers and schools) and individuals listed, for the purpose of establishing or verifying my qualifications and work history in connection with this application. I understand and acknowledge that such information will be used confidentially and for the purpose of appointment only.

I understand and hereby accept that if the City Council of the City of Patterson appoints me to the City of Patterson City Council, I will be subject to the filings of the Fair Political Practices Commission (Statement of Economic Interest, Form 700) and other City documents as required.

Date 5/31/16 Signature Peter P. LaTorre Jr, MD (ret)

File this application with: The City Clerk of the City of Patterson
P.O. Box 667
1 Plaza, 2nd Floor
Patterson, CA 95363
Web Site www.ci.patterson.ca.us
Email cityclerk@ci.patterson.ca.us
Direct No. (209) 895-8014

RESUME

♀

Curriculum Vitae
Peter La Torre, M.D.
Calif. # G-16280

*updated
by written
& signed (Prof)
notes
& dates!*

1. Identifying Information

Name:	Peter Paul La Torre, Jr.	Birthplace:	Oakland, CA
Home:	300 N 3rd. St. Patterson, CA 95363 (209) 892-8511	Birthdate:	10/7/40
Office:	101 N 3rd St. (since 2/73) Patterson, CA 95363 (209) 892-6185	Citizenship:	U.S.A.
Status:	Married (on 8/21/65) Wife: Victoria Children: Kathleen (1966) Thomas (1967) Barbara (1968) Jennyfer (1970)	Present Practice:	Family Practice: Board Certified (1972) Recertified 1978, 1984, 1990, 1996, & 2002 In Patterson since July 1972 Solo office since Feb. 1973

2. Education:

HIGH SCHOOL: Bishop O'Dowd High, Oakland, CA ; Grad: June 1958
ENGINEERING SCHOOL: General Motors Institute, Flint, Mich. ;
 attended Sept. 1958 to Dec. 1959, left to switch to pre-med.
PRE-MED/COLLEGE: Univ. of California, Berkeley, CA; earned BA in
 Chemistry and Zoology, Grad: June 1963.
MEDICAL SCHOOL: Marquette Univ. School of Medicine, Milwaukee, Wis.;
 M.D. degree earned; Grad: June 1967.
INTERNSHIP: Fresno County General Hospital (Valley Medical Center),
 Fresno, CA; rotating internship done; Grad: June 1968.
MILITARY: U.S. Air Force, Sheppard Air force Base (Texas), Hickam
 Air Force Base (Hawaii), and Wheeler Air Force Base (Hawaii),
 General Medical Officer, Clinic Based, served July 1968 to
 June 1970
RESIDENCY: General Hospital of Ventura Co., Ventura, CA; Family practice
 residency (chief resident final year); finished 2nd and 3rd years
 of program; Grad: June 1972.

3. Private Practices:

INITIAL OFFICE: In Patterson, CA, as a Family Practitioner, continuously since August 1972. — retired 2/2008

Plat 5/31/16

4. Certifications and Licenses (Dates):

MEDICAL DEGREE: 6/4/67, Marquette Univ. School of Medicine.
INTERNSHIP CERTIFICATION: 6/23/68, Fresno County General Hospital.
NATIONAL BOARD OF MEDICAL EXAMINERS CERTIFICATION: 6/24/68.
MEDICAL LICENSURE, STATE OF CALIFORNIA: 3/25/69, #G-16280.
FAMILY PRACTICE RESIDENCY CERTIFICATION: 7/1/72, General Hospital of Ventura County.
AMERICAN BOARD OF FAMILY PRACTICE CERTIFICATE: 8/72; recertified in 8/78, 8/84, 7/90, 7/96 and 7/2002. (Diplomate Status).

5. Professional References:

John Lanfrankl, M.D. (Family Practice)
55 N Salado Ave, Patterson, CA 95363

new retired Plat *deceased for a few years now 5/31/16 Plat*

Michael S. Schorr, M.D. (Family Practice)
821 E Street, Patterson, CA 95363

office now 300-71, 3rd fl Patterson, CA 95363 since 3/2008 Plat

Dave Hilburn, M.D. (Family Practice)
801 E Street, Patterson, CA 95363

6. Published Papers:

"Prognosis For Survival After A Stroke", Geriatrics, Vol. 23, pp 106-111, October 1958; Reprint available.

7. Continuing Medical Education:

Current lists for last 2-3 years available.

8. Professional Liability Insurance:

The Doctor's Company
P.O. Box 2900
Napa, CA 94558-0900

Policy No.: 30153 Since: 1/15/83
Limits: \$1,000,000 to \$3,000,000

no longer have med. mal-practice insurance now (not needed)! Plat 5/31/16 Plat

9. Professional Activities:

Active Staff member of Del Puerto Hospital, Patterson, since 1972, until it closed in May 1998; secretary of Medical Staff in 1974, 1984 and 1985; Chief of Medical Staff in 1975, 1986 and 1992.

Active Staff Member of Doctors Hospital Medical Center, Modesto, since 1997 (was courtesy staff from 1972 to 1997.)

Courtesy Staff Member of Memorial North Medical Center, Modesto, since 1973.

Member of these organizations:

California Academy of Family Practice (since 1972)

American Academy of Family Practice (since 1972)

California Medical Association (since 1973)

Stanislaus County Medical Society (since 1973)

*no longer
are members
5/31/16
Plat*

*still a retired
member of SCMS
5/31/16
Plat*

10. Community Activities:

Member of Patterson-Westley Chamber of Commerce, since 1972; on Board of Directors, 1975-1978 and 1991-1993.

Member of Sacred Heart Catholic Church, Patterson, since 1972; on Parish council, 1982-1985 and 1990-1993.

Member of Patterson Apricot Fiesta, Inc., since 1973; co-chairman of Apricot Queen Pageant, 1973; on Board of Directors for 12 years; Finance/Budget Chairman for 9 years; and still active in volunteering during the Fiesta in June.

Member of Patterson Lions Club, Lions International, since 1976; served as Secretary and in various Vice-President roles; President 1983-1984; served on Lions 4A1 District Cabinet in 1985-1986 & 1993-1984 as Zone chairman; 1986 & 1987 on Leadership Committee; 1987-1988 as Youth Exchange General Chairman; 1989-1995 as Youth Exchange Regional Chairman; 1996-1997 as Flag Day Chairman; still very active in the Club, and have 30 years perfect attendance now.

30/Plat 5/31/16

Member of Del Puerto Hospital Foundation, since 1981; on Board of Trustees 1982-1987, served as Vice President 1984-1987;

and Co-Chairman of gift procurement for annual charity auction 1985-1987; President of the Foundation Board 1990-2001; the foundation has been deactivated since 1998.

11. Scope of Present Practice:

1972-Nov.1985: Full Family Practice medicine, pediatrics, surgery and obstetrics.

Nov. 1985: Obstetrics phased out, and discontinued 3/1986.

June 1987: Major surgery discontinued, but minor surgery and surgical assisting continued.

On Call: Solo in office; I take my own call nights, weekends, and holidays by phone, answering service pager, and cellphone. *retired 2/2008*

flat (5/31/16)

12. Present Goals:

A. Encourage growth of Patterson's medical community by addition of some basic medical and surgical specialists, and new F.P.'s.

B. Encourage construction of some medical office space/facilities.

P. P. La Torre, MD

Peter P. La Torre, M.D

~~01/01/2007~~

2/26/2010

Now retired since 2/2008!
flat

NOTE: RESUME & C.V. updated 5/31/16.

P. P. La Torre Jr, MD (ret)
5/31/16

400 Words or Less Essay

I am not sure if I would be the best candidate without seeing who the other applicants are, but I feel that I am an excellent candidate at least.

I am neutral overall at this point. I personally know and respect all 4 of the persons who remain on the City Council, and feel that I could very easily work with them as individuals and as a group. And I think that all 4 of them respect me, also, in return.

I really look at this as a 5 to 6 months commitment only, and would not be at all interested in running for office in November. At age 75, but still in good health, I really would not ever plan to run for an office now requiring a 4 year commitment, and a lot of campaigning from door to door, etc., etc. That is an absolute for me!

Since I am retired and a fast learner, I feel that I could catch up to speed with the other's guidance, and that of the City Manager and City Attorney also, to become an effective presence on the City Council very quickly.

I have already downloaded the 2015-2016 approved City budget, and am studying it currently.

My initial goal would be to make the Council whole again, with 5 members almost always present. And I'd hope to make it easier to have at least a quorum at every planned meeting, since I would keep an open schedule until I disappeared in November from the Council.

I would consider it a privilege to briefly serve with the four staunch citizens who remain on the Patterson City Council.

Sincerely,

Peter P. La Torre Jr., MD (ret.)
Peter La Torre Jr., MD (ret.)

5/31/16

City Questionnaire (see PRINTOUT ATTACHED)
NEXT

1. Have you ever been convicted of a felony, or a disqualifying misdemeanor pursuant to Government Code Section 1021 and the California Constitution?

→ No! / Plat

2. Are you willing to take a live scan background check?

→ YES! / Plat

3. Have you ever filed for bankruptcy or had a foreclosure?

→ No! / Plat

4. The City of Patterson has a significant amount of deferred maintenance. How do you see the City of Patterson funding that maintenance?

SEE: ATTACHED NOTE PAGE! / Plat

5. The candidate selected for this process and appointed to the Patterson City Council will have to hit the ground running by analyzing some major projects that will require significant deliberation and analysis among your elected peers. One such discussion will be the City's Municipal Budget.

What are three issues within the Municipal Budget that you would like to address and see resolved and/or implemented? Please be specific as possible.

SEE: ATTACHED NOTE PAGE! / Plat

6. What do you hope to accomplish during this appointed, limited-term as a Patterson City Councilmember?

SEE: - 400 - WORDS - OR - LESS ESSAY !!
/ Plat

Answers + refering to above:

Peter P. Latorre Jr, MD (ret)

5/31/2016

Some Answers to City Questionnaire:

Q # 1 -- see answer **(No!)** on the attached City Questionnaire **form** printout.

Q # 2 -- see answer **(Yes!)** on the same attached City Questionnaire printout.

Q # 3 -- see answer **(No!)** on the same attached City Questionnaire printout.

Q # 4: I am not sure if I am currently qualified to answer how to fund deferred maintenance yet, but on the surface it would seem to me to be a combination of:

- a) tightening your belt a little bit
- b) and handling these deferred maintenances in a prioritized manner,
- c) and possibly increasing service fees a tiny bit every few years

Q # 5: I only have 2 ideas so far, but will possibly come up with another with some more study:

- a) your abandoned vehicle fund is costing you money each year, but maybe it could be done at little cost to the City. The local Knight of Columbus (Sacred Heart Parish) has an agreement with Ave Maria Catholic Vehicles Donation (AVMCVD) group, and has taken about 20 vehicle off the street in the past 2 years at no cost to the donor; So maybe that can be a connection to assist this fund, which is GF expense item #100-310-6626 on page 13 of budget. The corresponding income item for this is #100-000-5280 on page #2 of the budget.
- b) your abandoned property registration item (#100-000-5158) has an income entry on page #2 for \$2,500, but I can't find an expense item to match it (???) If there really is an expense involved, the perhaps the Patterson Lions Club or some other local service group could help by handling that for the City?
- c) **I am still looking for another idea to list here -- be patient!**

Q #6: **See my 400-Words-or-Less Essay for this answer in full, also.**

Sincerely,

Peter P. La Torre Jr, M.D. (ret.)
Peter Paul La Torre, Jr, MD (ret.) 5/31/16

Vela, Maricela

From: Troy McComak <mccomak@gmail.com>
Sent: Tuesday, May 31, 2016 2:00 PM
To: Vela, Maricela; Troy McComak
Subject: Vacant City Council Appointment Seat Application
Attachments: Troy McComak Application COP.pdf; Troy McComak PersonEssayCOP.rtf; Troy McComak QuestionnaireCOP.rtf; TroyMcComakResumeCOP.docx

City Clerk,

I have attached the required documents for the vacant city council appointment seat application.

Please let me know if everything has been sent correctly and has been received.

Sincerely,

Troy McComak
(209) 614-2132



APPLICATION CITY COUNCIL MEMBER APPOINTMENT

(This is a Public Record Subject to Disclosure)

Name of Applicant Mr. Mrs. Ms. Troy Wayne McComak

Residence Street Address 630 Pine Creek Lane City Patterson Zip 95363

Mailing Address 630 Pine Creek Lane City Patterson Zip 95363

Phone (home) _____ (cell) (209) 614-2132 (work) _____

Email Address mccomak@gmail.com Length of time at residence 9 Mo.

Employer Patterson Paintball Field LLC

Experience or Special Knowledge Pertaining to Area of Interest

Ground Water Clean Up Experience

California State University Student Government Representative

Local Business Owner and Operator

Employment Experience

Patterson Paintball Field LLC

ATC Associates- Staff Scientist/ Environmental Remediation Expert

Envirotech- Research and Development Chemist

Organization and Community/Public Service/Experience

The Church of Jesus Christ of Latter Day Saints 2011-Present

CSU Stanislaus Senator at Large and of Clubs and Organizations 2006-2007

Patterson High School Senior Class President Class of 2003

Education (high school, college, trade school or training)

Note: There is no specific educational requirement

CSU Stanislaus B.S. Biological Sciences December 2007

Modesto Junior College A.A. General Education May 2005

Patterson High School Diploma June 2003

Do you have any financial or professional interest or association related to this position?
____ Yes No If yes, please explain.

Please list three references with telephone numbers:

1. Ben Sierra Phone (209) 614-1162
2. Lyle Robbins Phone (661) 350-3216
3. Sean Klein Phone (209) 872-4472

REQUIRED 1) "Application – City Council Member Appointment" 2) A resume containing other pertinent information about yourself that would be helpful to the City Council in evaluating your application. 3) Essay of 400 word or less of why you would be the best candidate. 4) City questionnaire.

APPLICATION CERTIFICATION: PLEASE READ BELOW BEFORE SIGNING.

I hereby certify that I am registered to vote within the City of Patterson.

I certify that the statements made by me in this application are true, complete, and correct to the best of my knowledge and belief. I understand that statements made are subject to verification and that any misrepresentation, fraud, or omission of material facts may result in denial of appointment.

I hereby authorize representatives of the City of Patterson to contact organizations (including employers and schools) and individuals listed, for the purpose of establishing or verifying my qualifications and work history in connection with this application. I understand and acknowledge that such information will be used confidentially and for the purpose of appointment only.

I understand and hereby accept that if the City Council of the City of Patterson appoints me to the City of Patterson City Council, I will be subject to the filings of the Fair Political Practices Commission (Statement of Economic Interest, Form 700) and other City documents as required.

Date 5/31/2016

Signature



File this application with:

The City Clerk of the City of Patterson
P.O. Box 667
1 Plaza, 2nd Floor
Patterson, CA 95363
Web Site www.ci.patterson.ca.us
Email cityclerk@ci.patterson.ca.us
Direct No. (209) 895-8014

Troy McComak

630 Pine Creek Lane

Patterson CA, 95363

(209) 614-2132

Being raised in Patterson since I moved here when I was eleven years old gives me a unique perspective for this growing and vibrant city. Throughout my life, public service has always been an important aspect of my life. Perhaps it was being involved with the Boy Scouts of America at an early age that pointed me in a direction of leadership and service to the community, or perhaps it was the good upbringing from my parents, nevertheless, I have come to find public service and offering my talents when appropriate to be monumental to the lives of all those I have come in contact with. While serving as Senior Class President of Patterson High School in 2003 I was elected into a position where I for the first time felt the urging from my constituency to represent them in very important issues.

Moreover, while a student at California State University Stanislaus I was asked to join the Student Government as a senator. I served for two years as a school senator where I sat on various committees and ran the school to the best of my abilities. As a college student and school government representative I was able to provide an opinion that was rooted in making my university a better place for all my constituents.

My education brought me to many professional opportunities, one of which involving a scientific career where I was able to help restore groundwater that had become contaminated by a variety of pollutants. One of these pollutants was hexavalent chromium, also known as chromium-6, and through our clean up techniques we were able to clean up the groundwater in affected areas using modern methods in a cost effective way. Through my experience and education, many Patterson residents have asked me to get involved with our city's government and help clean up the water from all these terrible and cancerous contaminants. Additionally, I love my city, and I am raising my family here therefore I want the best for my family and for the future generations of Pattersonites.

Troy McComak

630 Pine Creek Lane

Patterson CA, 95363

(209) 614-2132

1. Have you ever been convicted of a felony, or a disqualifying misdemeanor pursuant to Government Code Section 1021 and the California Constitution?

NO

2. Are you willing to take a live scan background check?

YES

3. Have you ever filed for bankruptcy or had a foreclosure?

NO

4. The City of Patterson has a significant amount of deferred maintenance. How do you see the City of Patterson funding that maintenance?

Having a complete audit of our current budget being implemented would help figure out what exactly city funds are being spent on. Moreover, going over each expense line by line and determining what needs special attention would be a must. Currently I see a lot of funds going to the Fire Department salaries that could be cut to take care of some preventative measures. The concept of an ounce of prevention being better than a pound of cure applies when it comes to maintenance of key city infrastructure.

5. The candidate selected for this process and appointed to the Patterson City Council will have to hit the ground running by analyzing some major projects that will require significant deliberation and analysis among your elected peers. One such discussion will be the City's Municipal Budget.

What are three issues within the Municipal Budget that you would like to address and see resolved and/or implemented? Please be specific as possible.

According to a 2014 list, we have a number of highly paid and qualified Fire Engineers, and Fire Captains which are at the top end of the salary for City of Patterson Employees. The salaries of these particular employees seems incredibly high given the fact that we have a Cal Fire Station right off of Sperry Ave. I would like to see if we could bring back our volunteer fire department if applicable, yet still keep some paid professional firefighters on payroll.

Moreover, I would like to look at the costs associated with our Police Department and the contract we have with the Stanislaus county Sheriff's Department to see if we could augment the contract to have a few more patrol officers designated in town with designated and painted Patterson Police vehicles in order to bring a sense of law and order to town.

Lastly, without a hospital our aging population is at a greater risk of death. Bringing a hospital to Patterson to have patients being seen within the early part of the golden hour would undoubtedly save lives. I would like to see if we could provide a hospital in town where a patient could at least be stabilized and sent to a nearby hospital bed for recovery. Paramedics do a good job, however, Doctors do a much better job at saving lives.

6. What do you hope to accomplish during this appointed, limited-term as a Patterson City Councilmember?

Although this appointment is limited, I am a fast and determined public servant who is not afraid of hard work. Being a college graduate within the field of the hard sciences, I feel I can really help Patterson with the problem of reliable and clean drinking water. I believe by taking care of this now we could save the future residents not only from possible cancer risks, but also the city's treasury through lawsuits in which the precedent for such cases has already been set. Finding a willing scientist to volunteer his time, energy, and expertise to solving such a complex task is not something that one is likely to find often, therefore I implore the council to appoint me to this position to help solve this problem.

Troy McComak

Objective

To be appointed to the City of Patterson as an interim Council Member

Experience

January 2016-March
2016

Sylvan Learning Center

Teacher

- Assessing students
- Teaching lesson plans
- Obtaining results in given subject

June 2009- Current

Entrepreneur

- Startup Experience
- Navigating legal obstacles

April 2008-July 2008

ATC Associates

Intern/Staff Scientist

- Well water testing
- Environmental cleanup
- Implementing experimental cleanup concepts

January 2008-January
2008

Envirotech

Intern/ Research and Development Scientist

- Testing chemicals for concentrations from foreign sources
- Worked with a team of scientists to develop a new and profitable solution
- Keeping detailed notes and following strict safety procedures.

Education

September 2005-
December 2007

CSU Stanislaus

B.S. Biological Sciences

• Student Government Representative
June 2003 Patterson High School

Patterson, CA

High School Diploma

• Senior Class President



APPLICATION
CITY COUNCIL MEMBER
APPOINTMENT

RECEIVED
JUN 01 2016

BY: me
3:06 PM

(This is a Public Record Subject to Disclosure)

Name of Applicant Mr. Mrs. Ms. Vivian Louise Ratliff

Residence Street Address 304 Berlin Way City Patterson, /zip 95363

Mailing Address 304 Berlin Way City Patterson, /zip 95363

Phone (home) (209) 892-5141 (cell) (209) 450-2636 (work) n/a

E-mail Address dvsrat@evansinet.com Length of time at residence 28 yrs.

Employer Community Volunteer

Experience or Special Knowledge Pertaining to Area of Interest

See resume and questionnaire provided with appointee application as requested by the
City of Patterson's City Council.

Employment Experience

See resume and questionnaire provided with appointee application as requested by the
City of Patterson's City Council.

Organization and Community/Public Service/Experience

City of Patterson Beautification Committee, Visitor's & Tourism Committee, Parks, Rec. &
Beautification Commission, Patterson Township Historical Society, Patterson Westley
Chamber of Commerce, Sunday School Teacher and Missionary speaking at conventions.

Education (high school, college, trade school or training)

Note: There is no specific educational requirement

See resume and questionnaire provided with appointee application as requested by the
City of Patterson City Council

Do you have any financial or professional interest or association related to this position?

 Yes x No If yes, please explain.

Please list three references with telephone numbers:

- 1. Mimi Draper Phone (209) 892-6004
- 2. Chris & Sherri Nelson Phone (209) 537-3914
- 3. Sheila Render Phone (510) 672-1625

REQUIRED 1) "Application – City Council Member Appointment" 2) A resume containing other pertinent information about yourself that would be helpful to the City Council in evaluating your application. 3) Essay of 400 word or less of why you would be the best candidate. 4) City questionnaire.

APPLICATION CERTIFICATION: PLEASE READ BELOW BEFORE SIGNING.

I hereby certify that I am registered to vote within the City of Patterson.

I certify that the statements made by me in this application are true, complete, and correct to the best of my knowledge and belief. I understand that statements made are subject to verification and that any misrepresentation, fraud, or omission of material facts may result in denial of appointment.

I hereby authorize representatives of the City of Patterson to contact organizations (including employers and schools) and individuals listed, for the purpose of establishing or verifying my qualifications and work history in connection with this application. I understand and acknowledge that such information will be used confidentially and for the purpose of appointment only.

I understand and hereby accept that if the City Council of the City of Patterson appoints me to the City of Patterson City Council, I will be subject to the filings of the Fair Political Practices Commission (Statement of Economic Interest, Form 700) and other City documents as required.

Date June 1, 2016 Signature 

File this application with: The City Clerk of the City of Patterson
P.O. Box 667
1 Plaza, 2nd Floor
Patterson, CA 95363
Web Site www.ci.patterson.ca.us
Email cityclerk@ci.patterson.ca.us
Direct No. (209) 895-8014

**City of Patterson Appointee Essay
City Council Vacant Seat**

As an appointed representative to the City of Patterson City Council, my many years of volunteerism have prepared me with excellent problem solving techniques and leadership skills that would be an asset to our City Council.

These qualities and appointment would complement the existing City Council Government Leadership team in our community. It is important that the appointee understands the needs of the community considering I been a residence of this community for 28 years.

I have developed an excellent working relationship with the city Staff over the many years of volunteering in our community and I'm honest and trusted by the community, which is a viable commodity at this time in a person to represent our city.

The process of reaching your ultimate goals in accomplishing success in any given situation is to work together as a team no matter what the committee or organization objections are to any given problem or situation as well as the importance of listening and respecting everyone's opinion and being fair in your decision making process.

The opportunity to accomplish the goals of participating as a team in the leadership of our city government and to be able to provide assistance in reestablishing the dignity, respect and confidence in our City Government for the residences and voters in our Community.

Respectively Submitted by Vivian L. Ratliff on this day June 1, 2016

Vivian Louise Ratliff
304 Berlin Way
Patterson, CA 95363
(209) 892-5141 (Home) (209) 450-2636 (Cell)
Email: dvsrat@evansinet.com or vivlr16@gmail.com

Objective: To be appointed to the vacated City Council seat of the City of Patterson and to represent the Community for the residents and voters of our Community.

Experiences:

Position: Community, City, Schools and Church Volunteer from 1969 to Present

Qualifications: Event Coordinators for Youth & Women Conventions, Schools and Community events, Foster Parent for Stanislaus County, teacher evaluations, secretary, treasurer, parliamentary, By-Laws & Accreditation committee, Director of Ambassadors, developed and prepared the budget for several programs for organizations, school pilot program and served on several Committees & Boards.

Eden Express-Hayward, Calif.

Position: Accountant Clerk 1/Executive Secretary
12/83 to 1/85

Qualifications: Supervised the accounting department for a rehabilitation center for the mentally disabled. Preparing the accounting reports manually pertaining to A/P, A/R, T/B, I & S, journals, ledgers, payroll, taxes, employees evaluations, employee training and prepared the Budget for the Board of Directors. Other responsibilities were public relations, grant writing proposal for state, federal, public and private foundations, Project Construction Manager and overseen the budget for banquet Hall.

Law Offices of Scott Turner & Dennis Rothhaar-Attorney at Law-Oakland, Calif.

Position: Receptionist/Bookkeeper
5/82 -10/83 and 11/84 -10/85 (P/T)

Qualifications: Office Supervisor and prepared the accounting book for 6 Attorneys, employees taxes and interviewed new employees for legal secretary position. Prepared periodic statements, reports for the partnership and notarized legal documents. Other responsibilities were filling in as the temporary legal secretary until the position was filled.

City of Oakland - City Clerk Office, Oakland, CA

Position: Clerk-Typist/ Receptionist (Temp)
10/81 – 2/82

Qualifications: Worked directly with the City Manager, City Clerk and the Mayor Office in preparing and maintaining their scheduling for the City. Compiled and prepared the City Council agendas, proof reader, correspondences, ordinances and resolutions upon request for the City Administration.

Household Finance Corporation-Oakland, Calif. & San Francisco, Calif.

Position: Credit Investigator and Collector

4/78 – 5/81

Qualifications: Performed credit investigating, recommended approval or denial of the loans, prepared legal documents as well as collected bad debts and prepared legal document to garnish their wages and seize their asset. Position required bonding.

J.C Pennys-Oakland, Calif. And Denver, Colo.

Position: Finance Dept Cashier

11/75 -7/77

Qualifications: Responsible for daily cash distribution and collection of cash to all departments, prepared registers for each sales cashier, finalized the daily cash flow, prepared funds to be deposited in the bank, relieved the manager and the position required bonding.

Colorado National Bank-Denver, Colo.

Position: Jr. Bookkeeper

6/77-9/77 (Summer Employment)

Qualification: Processed corporate accounts verified data on microfiche for deletions, traced errors on statement, corrected errors on the accounts and made the necessary correction and reconciled their account.

McDonalds-Oakland, Calif.

Position: Cashier and Jr. Swing Manager

3/73-11-75

Qualification: Responsible for receiving cash from customers for fast food chain, balance cashiers registers, performed inventory and prepared the fund for banking, supervised, trained employees in all areas of the business

Education:

Stanislaus County Friends & Family Foster Care

Child Development, Psychology, and Adolescent Classes

Approx. Dates- 1997 - 2007

Parks Business College-Denver Colo.

1976-1977

Alameda College-Alameda, Calif.

1975-1976

Merritt College-Oakland, Calif.

1977-1978

Oakland High School

Graduated 1975

Other Skills: QuickBooks and Missionary

References Provided Upon Request

City Council Questionnaire for Vacant Seat Appointee

Vivian L. Ratliff

1. Have you *ever* been convicted of a felony, or a disqualifying misdemeanor pursuant to Government Code Section 1021 and the California Constitution?

Ans: No

2. Are you willing to take a live scan background check?

Ans: Yes

3. Have you *ever* filed for bankruptcy or had a foreclosure?

Ans: Yes

4. The City of Patterson has a significant amount of deferred maintenance. How do you see the City of Patterson funding that maintenance?

Ans: Research in depth the resources available through State, Federal, Public & Private Foundation Funding and allowing for a matching funds account for grant funding to be allocated in the budget.

5. The candidate selected for this process and appointed to the Patterson City Council will have to hit the ground running by analyzing some major projects that will require significant deliberation and analysis among your elected peers. One such discussion will be the City's Municipal Budget.

What are three issues within the Municipal Budget that you would like to address and see resolved and/or implemented? Please be specific as possible.

Ans: It depends on the status of the city's administration departments and what their needs are to maintain proper staffing, to make sure the city is running effectively and working efficiently in all areas pertaining to the safety of the community. (ie. Public Safety, Recreation and maintaining Streets and Sewers, etc.)

6. What do you hope to accomplish during this appointed, limited-term as a Patterson City Councilmember?

Ans: As a representative of the City Council to participate in reestablishing the dignity, respect and confidence from the community in our city government.



Commission/Committee/Board

RECEIVED
JUN 01 2016

Application for
APPOINTMENT OR REAPPOINTMENT

BY: AR 3:31 pm

(This is a Public Record Subject to Disclosure)

Name of Commission/Committee/Board Patterson City Council

Appointment Reappointment Name of Applicant Elias Funez

Residence Street Address 500 South 4th St. City Patterson Zip 95363

Mailing Address same as above City " Zip "

Phone (home) (209) 894-7085 (cell) (209) 661-3189 (work) (209) 661-3189

Email Address ptownelias@yahoo.com Length of time at residence 32

Employer yes I have one

Experience or Special Knowledge Pertaining to Area of Interest

Employment Experience

Former editor of the Patterson Irrigator and former employee of 10 years.
Patterson High School ASP instructor

Organization and Community/Public Service/Experience

Patterson Planning Commission, Patterson Parks & Recreation Commission, Parks & Re/Beautification Commission, Knights of Columbus, Friends of the Church (Sacred Heart)
PHS ASP volunteer, Patterson Repertory Theater

Education (high school, college, trade school or training)

Note: There is no specific educational requirement

2001 PHS graduate with honors, over 130 units of college classes with a GPA above 3.5

Do you have any financial or professional interest or association related to this position?

Yes No If yes, please explain.

None whatsoever

Please list three references with telephone numbers:

- 1. Reyes Cuellar Phone (209) 892-8152
- 2. Sandra McDowell Phone (209) 892-6266
- 3. Maddy Hawk Phone (209) 892-2474

A resume containing other pertinent information about yourself would be helpful to the City Council in evaluating your application (Optional).

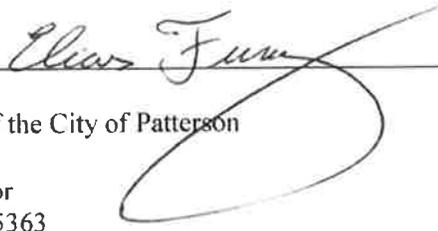
APPLICATION CERTIFICATION: PLEASE READ BELOW BEFORE SIGNING.

I certify that the statements made by me in this application are true, complete, and correct to the best of my knowledge and belief. I understand that statements made are subject to verification and that any misrepresentation, fraud, or omission of material facts may result in denial of appointment/reappointment.

I hereby authorize representatives of the City of Patterson to contact organizations (including employers and schools) and individuals listed, for the purpose of establishing or verifying my qualifications and work history in connection with this application. I understand and acknowledge that such information will be used confidentially and for the purpose of appointment/reappointment decisions only.

I understand and hereby accept that if the City Council of the City of Patterson appoints/reappoints me to a City of Patterson Commission/Committee/Board, I will serve without pay and will be subject to the filings of the Fair Political Practices Commission (*Statement of Economic Interest, Form 700*). I

hereby further understand and accept that per City Ordinance No. 718, if I am appointed/reappointed, I will be required to pass a Department of Justice (DOJ) fingerprint (background) test.

Date 6-1-16 Signature 

File this application with: The City Clerk of the City of Patterson
P.O. Box 667
1 Plaza, 2nd Floor
Patterson, CA 95363

Web Site www.ci.patterson.ca.us Email cityclerk@ci.patterson.ca.us
Direct No. (209) 895-8014

(The City Clerk's Office will keep your application on file for one (1) year from the date stamped received)

When I had learned that the late, honorable, former councilmember Eusebio "Sam" Cuellar had met with his family and closest supporters to let them know that he wanted me to carry on in his position if he were unable to, I felt the utmost honor, respect, and humility for having such a responsibility bestowed upon me. The council, however, opted not to appoint a direct replacement of Cuellar's choosing and opted to open up the vacant seat to qualified applicants.

Not wanting Sam's wishes to go unfulfilled, I went through with the application process. Although the process brought forward a candidate very dissimilar to Cuellar, I chose not to be discouraged with the process and have continued to serve the City of Patterson to the utmost capacity of my ability.

Besides being a born and raised Patterson native, and PHS graduate with top honors from the class of 2001, I have also chosen to work as much as possible in Patterson, and these such experiences have made me an expert as to the working knowledge and important history of the city, working as a journalist for the Patterson Irrigator for 10 years working my way up to the position of Editor, and winning over the trust and respect of the community who came to confide in me.

During my 32 years in the city as a third generation Pattersonian, my love for this community has only grown stronger and I have thoroughly enjoyed serving on the city's Planning Commission, Parks and Recreation Commission, and now the reformed Parks and Recreation/Beautification Commission. My attendance on each has been impeccable and a quorum would not have been met for the past three months of Parks and Rec/Beautification Committee meetings without my attendance.

Whoever is chosen to fill the vacancy will have to hit the ground running, reminding me of when I was first appointed as a Planning Commissioner and info regarding large projects required immediate digestion, so attendance and preparedness would not be an issue if chosen. As a city official I also have served with tact, responsibility, fairness, and above all civility. I have never been rash, or have overstepped my boundaries, and have never garnered the attention of the Civil Grand Jury and have never been asked to step down because of my actions. These issues should be weighed carefully in selecting a new councilmember, or reappointing a former one.

Elias Funez

500 South 4th Street – Patterson Ca. 95363 – (209) 661-3189 – ptownclias@yahoo.com

A highly talented and motivated award winning writer and photographer with background in photojournalism, investigative journalism, fine art printing, photoshop and digital manipulation, as well as studio work including portraiture, and fashion.

Summary of Qualifications

- Twelve years of professional and award winning experience in reporting and photographing under any sort of circumstance, utilizing multiple pieces of technical photographic equipment in the process.
- Experience dealing with people in all sorts of emotional states in order to retrieve information to be organized into a cohesive and informational piece of literature.
- Experience in managing and directing a diverse team of photographers, reporters, students, copy editors, page designers, salesmen, interns, city staff members etc.
- Skilled with a variety of photographic formats including high end digital slr's, 35mm film, medium and large formats, as well as lensless cameras.
- Familiar with co-ordinating photo shoots and art exhibitions.
- Highly trained in archival darkroom printing techniques as well as hand processing of black and white and color film photography of all formats.
- Extremely knowledgeable and quick thinking, able to react to changing situations in fast paced working environments while remaining calm, and creative.
- Excellent written and verbal skills including some bilingual experience and advanced knowledge of computer technology and photo related software, including PC and Macintosh software, photoshop, photomechanic, CCI Newsgate and News Director programs, In Design etc..
- Ability to meet strict daily deadlines while wirelessly transmitting to various editors, locations, and newsfeeds from remote locations.
- Positive hard working and collaborative attitude that has been an asset to every organization I've been a part of.
- Awards received in all aspects of my professional career, the most noted and recent being the first place designation by the California Newspaper Publishers Association's (CNPA) annual 2014 Better Newspaper's Contest (BNC) for both Investigative Journalism as well as for best News Photo. A second place designation for a Photo Essay, as well as a handful of honorable mentions in similar categories.

Professional Experience

The West Stanislaus Journal, Independent news source, Patterson, Ca Dec 2015 – present

- Currently acting as the sole publisher, editor, reporter, photographer, and designer of the online publication www.weststanislausjournal.com since its inception in December of 2015.
 - With my vast knowledge of Patterson, and recognizing the fact that a lot of good information was not being reported by the current direction of the Patterson Irrigator, I took it upon myself to volunteer my time attending city council, school board, and planning meetings, as well as other city functions, and breaking news, in order to provide the community with the information and perspective of mine that they had come to know and expect from a fair and informative publication.
-

- My work for the West Stanislaus Journal, though still in its infancy, has already garnered a lot of positive response as well as the trust of top city officials that would otherwise not trust going to any one else with information.
- Was recognized by the Modesto Bee and received credit for breaking the story on the suicide death of the husband of Patterson City Councilwoman Sheree Lustgarten in late December.
- My re-emergence as a media presence in Patterson as a competitor to the Patterson Irrigator has forced their staff to be more responsible and thorough in their overall reportage.

Adobe Springs Water Co. LLC., spring water provider, Adobe Springs, Ca. May - Nov 2015

Adobe Springs Site Manager

- Responsible for the day to day oversight of the Adobe Springs Water Company's spring site location within Del Puerto Canyon 18 miles west of Patterson, Ca.
- Served as a general contractor five days of the week at the Adobe Springs site working on construction related projects ranging from auto mechanics, piping/plumbing, electrical, carpentry, gardening, painting, cooking meals, earthmoving.
- Became an assistant of Adobe Springs owner Paul Mason, which included driving Mr. Mason to and from doctor's appointments and shopping in the San Francisco Bay Area, as well as picking up/dropping off mail/packages. Daily banking trips which included depositing checks from large corporate customers as well as applying for loans for Mr. Mason.
- Worked as the personal chef for Mr. Mason and employees, preparing coffee, breakfast and lunch, five days a week as well as the occasional 3 course meal for those Mr. Mason wished to entertain.
- Assisted Mr. Mason with the occasional medical trip to New York which included booking flights, hotels, executive taxi's, meals, wheelchairs, and any unforeseen experiences expected when catering to a 70 year old handicapped ceo.
- Worked in a supervisory role of a work crew of up to three employees at times.
- Operated heavy equipment such as Freightliner and International dump trucks to conduct given tasks as well as other company vehicles and trucks.
- Lived seven days a week at the Adobe Springs site, making myself available 24 hours a day to the operation to ensure efficient and sanitary water supply to our customers, including Crystal Geyser, Modesto 7-UP, CAL Fire, Noah's Water, and the general public.
- Worked as an inventory manager of the Noah's Water supply for Tri-Counties Bank in Patterson, as well as for the Adobe Spring site itself.
- As the sole being in a two mile radius located within the remote wilderness of Del Puerto Canyon, I protected and guarded the Adobe Springs water source from potential vandalism and destruction, with the help of a large dog, whose care I maintained for as well.

The Patterson Irrigator, weekly publication, Patterson, Ca

May 2014 - May 2015

Managing Editor; City, Community, Crime Reporter; Chief Photographer; Paginator

- Fulfilled the need for day to day reportage within the Irrigator's coverage area ranging from council and commission meetings, to crime, community, and farming issues.
- Provided at minimum three articles per issue, as well as concurrently working on

as many as 7 different stories.

- Provided quality images for my own stories as well as other members of the staff for inclusion in the print and web editions of the Irrigator. These images have been displayed with many lead stories as well as have graced the cover on most of the issues during my time at the Irrigator.
- Provided breaking news stories with updates to the Irrigators' social media sites including FaceBook and Twitter accounts.
- Continue to use programs such as Photoshop and Word, yet also working with InDesign to paginate and layout the content of the Irrigator in its weekly publication.
- Upload the Irrigator's content to the newspaper's website.
- Provided direction to the editorial staff, as well as to the members of the advertising department when needed.
- Directed the News, Sports, and other departments and their respective employees in terms of reportage and photography direction.
- Directed weekly budget meetings.
- Edited all content for each issue of the Patterson Irrigator for both print and online editions.
- Maintained an excellent working relationship with all civic and non-civic groups within the newspaper's wide coverage area. including: City Council, Stanislaus County Sheriff's Department, Modesto Police Department, Turlock Police Department, Lions Club, Soroptimist International, church groups, sports groups, school groups, homeless, etc.

The Modesto Bee, daily newspaper, 56,000-64,000 circulation, Modesto Ca.

2012-2014

On-Call Multimedia Photojournalist

- Fulfilled day to day photographic duties requested of editors from the Modesto Bee, sister paper the Merced Sun Star, as well as those requested from the McClatchy Tribune, CBS News, the Associated Press, Zuma Press, and Corbis to name a few.
- Coordinated with reporters, editors, police officers, firefighters, football coaches, council members, chiefs, cheerleaders, transients, private investigators etc. and other members of the community to properly respond to breaking news and scheduled incidents that required my photographic expertise.
- Made myself available anytime 365 days a year to help fulfill photographic needs for the paper and subsequent editors.
- Reported on every type of situation photographing, crime and city issues, as well as schools, agriculture, politics, sports, travel, nature/environment, feature stories and breaking news.
- Provided one of a kind ideas to help develop and broaden the depth of the reportage of the Modesto Bee many times using my ability to infiltrate and become accepted by certain social circles in order to gain access needed to photograph and correctly portray particular situations.
- Submitted a variety of photos for assignments to be used for possible packages or stand alones including aerials, wide angles, telephoto, low perspective, artistically composed images, that still tell the story simply and effectively.
- Became extremely fluent using provided Nikon equipment including the Nikon D300S, D3s, D4s, fish eye lenses, wide angle lenses, prime lenses, 300mm 2.8, 500mm 4, manual focusing lenses etc.
- Utilized video for added depth to stories ranging from breaking to feature stories.

- Became fluent with Mac computer systems including photomechanic, mediagrid, CCI Newsgate and Director, as well as continuing to perfect my photoshop abilities.
- Maintained and operated my vehicles to transport myself, proper equipment, and the occasional reporter to and from locations all over the state. Utilized my 4x4 vehicle to gain special access to certain areas as well as using it to stand on for added aerial vantage points on many occasions. Maintained a safe driving record throughout employment with no accidents.
- Continued to use my personal portable studio lighting equipment to help illuminate scenes, providing added depth to photos at volleyball, basketball, football, wrestling, and location feature type photographs and using other off camera remote flash units operated by pocket wizard type devices.
- Proud to be a part of the 2013 staff that won first place designation in the CNPA's BNC General Excellence division.

The Patterson Irrigator, Patterson, Ca
Chief Photographer

2004 --2012

- Coordinated with reporters and community members in providing photos to accompany news stories as well as stand-alone photo packages.
- Performed photo-editor duties processing and supervising the photo content for each newspaper utilizing photoshop and computer processes, as well as archiving and filing the photos to multiple media formats.
- Reported on every type of situation photographing, crime and city issues, as well as schools, agriculture, politics, sports, travel, nature, feature stories and breaking news.
- Provided one of a kind ideas and insight to develop the reportage of the newspaper team which included collaboration with the editorial, graphics, and advertising departments providing added revenues to the company through those projects.
- Received many awards over the years from the Western Fairs Association for my photo coverage of the Stanislaus County Fair, and when budgets allowed, recognitions from the CNPA photo contests for various other photographs.
- Became fluent with the usage of Canon based cameras including wide angle and telephoto lenses and off camera flash units as well as photoshop and PC related software.
- My photos from time at the Irrigator have been sought and utilized by the Associated Press as well as other news agencies including the Sacramento Bee, Washington Post, KCRA Channel 3, FOX, and many other publications across the nation accompanying stories related to widespread breaking news.
- Out of extra initiative I also wrote many stories based on first hand accounts of my cross-country back packing travels and 4x4 exploring adventures while in the areas of Ca, Or, and Nv, with accompanying photos. Maintained and updated the blog Aperture Priority at eliasphoto.blogspot.com as time permitted.

Patterson High School, Patterson, Ca

2007 – present

After School Program Photography Consultant/Mentor

- Developed the school's after school photography program which consists of teaching up to 20 students for 6-8 hours a week for the entirety of the school year.
- Students gr. 9-12, who attend sessions on their own accord, learn camera operations, developing and printing film in the school's darkroom, computer

processing, lighting studio applications, gain field experience, as well as attend photo seminars and related art gallery exhibitions.

- Responsible for restoring and maintaining the school's darkroom from dilapidated and defunct, to fully functional status.
- Live Scan certified to teach after school.
- Have been responsible, in part, for the graduation of more than 40 PHS seniors over the years, being their photography mentor for their exit projects required for graduation.

Freelance Artist, Patterson, Ca

1999 – present

- Have produced hundreds of thousands of photographic images both digital and film based, collected throughout my experiences all over the world, some of which have been recognized through various galleries and juried art shows.
- Placements, recognitions, and showings of my art work have been received over the years by the Turlock City Arts Commission, Lodi Arts Commission, Mistlin Gallery and Photographers' Gallery in Modesto. Delicato Photography Contest, Patterson Apricot Fiesta and Art and Wine Gala, Celebration of the Humanities Contest at Modesto Junior College with placements in photography categories as well as mixed media.
- Provided photos, printing, matting, framing, and design of a showcase of more than 40 archivally presented images at the Ansel Adams Gallery at Modesto Junior College, that depicted documentation of the poor land use decisions that ran rampant during the first ¾ of the previous decade.
- Responsible for operating a space at regional art festivals, showcasing and selling my framed and unframed artwork.
- Have provided various photographic services including, weddings, family and senior portraits, sports photography, lessons, event photography, and modeling portfolios.
- Continuously expanding on my fine art image collection and submitting them for inclusion in galleries and juried art shows.

Photo Lab Technician, Modesto, Ca

2001-2011

Modesto Junior College

- Responsible for tending to students' needs in checking out photo equipment as well as assisting in technical information regarding techniques, and procedures for developing and printing both black and white and color films and papers in the school's photo lab.
- Responsible for mixing chemistry to be used by students, and administrators at the school's photo lab.
- Operated and maintained the school's RA-4 color processor which included repairs and constant monitoring while being used by students and administrators.
- Maintained and repaired when necessary the school's photographic enlargers.
- Cleaned and maintained the photo labs, sustaining the high demand for a safe and clean operating environment.

Fantasy Photo, Modesto, Ca

2003 – 2005

Head Photographer/Manager

- Provided portraits at a popular studio in the Vintage Faire Mall where I eventually helped manage the studio overseeing quality and customer service.

- Duties involved sitting appointments as well as walk ins, posing and dressing clients, lighting adjustment, camera operation, as well as showing and selling photo packages.
- Provided the company with the highest in photo package sales as the most productive photographer, opening up opportunities to serve more high end clients throughout the state.
- Responsible for hiring and training new photographers and assistants.

Natural Moments Photography, Modesto, Ca 2003 – 2004

Wedding Photographer

- Provided black and white film images both 35mm and medium format as a secondary photographer to Pam Loeffler, owner/operator of NMP.
- Loeffler noted that during showings of the photos, clients chose my photos over hers in most cases.

McAuley Ford, Patterson, Ca 2001-2003

Custodian and Vehicle Detailer

- Worked as a vehicle detailer at the dealerships shop.
- Worked as a general custodian caring for and cleaning the dealerships' showroom floor, vehicle lot, automotive shop, and administrative offices.

Pizza Plus/ Mountain Mikes Pizza, Patterson, Ca 1997-2003

- Responsible for pizza making duties including deliveries.
- Responsible for cleaning and caring for all food processing equipment including cleaning the restaurant dining area, food prep areas, restrooms etc.

Related Experience

Parks and Recreation/Beautification Committee, Patterson, Ca 2016 – present

Commissioner

- Recently re-appointed to the newly formed five member voting board of the Patterson Parks and Recreation/Beautification Commission.

Parks and Recreation, Patterson, Ca 2008 – 2012

Commissioner

- A voluntary appointed position to a 5 member board which oversees parks and recreational services to the city of Patterson.
- One of three integral volunteers that made the Patterson Skate Park a reality through research and community activism.
- Have led a series of hikes through Del Puerto Canyon's Minnear Day Use Area to help build community awareness and respect for our natural, cultural, and historical heritage.
- Continuous work in developing parks and recreation programs for the city including the ongoing development of a parks master plan.

Planning Department, Patterson, Ca 2006 – 2008

Planning Commissioner

- A voluntary appointed position to the cities' 5 member planning board which oversees existing and future planning services to the community.
- Attended multiple California League of Cities seminars receiving ethics training and knowledge of intricate planning issues in the state of California.

- Appointed to the cities' General Plan Advisory Committee providing insight of the inner workings of the community to key planners during the design phase of an updated general plan.
- Helped draft legislation for the city in regards to a Mobile Food Vendor ordinance, and Recycling ordinance.
- Played a hand in approval of tenants in the West Patterson Business Park as well as other commercial centers within the city of Patterson.

Education

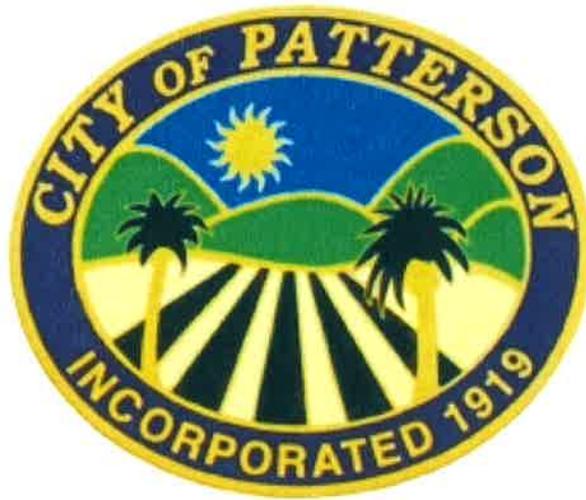
Modesto Junior College, Ca	2001 – 2012
Glendale Community College, Ca	2003, 2005, 2007
Columbia Community College, Ca	2004

Over 160 units of combined completed work with an average GPA exceeding 3.5.

References and Portfolio available upon request

City Questionnaire

- 1) No I have never been convicted of a felony or a disqualifying misdemeanor.
- 2) Yes I am willing to have a live scan background check conducted on me although a current live scan was just performed on me prior to my recent appointment on the City of Patterson's Recreation/Beautification Committee.
- 3) No I have never filed for bankruptcy or foreclosure
- 4) It would be premature to make an educated assessment of the City of Patterson's deferred maintenance situation without first becoming fully educated as to the City's budget information, however, at first assessment, monies would have to be allocated from elsewhere to manage the deferred maintenance situation.
- 5) Three issues within the Municipal Budget that I would like to see addressed would have to be the a) Law Enforcement Agreement with the city. It is common knowledge that Sheriff Adam Christiansen made significant changes to the current LEA and I would like to investigate whatever options might be available to be able to come forth with our own police services as the city once did when we were of lesser population.
b) The city's attorney fees are quite high compared to other communities of similar demographics and I would like to see what could be done to alleviate these costs.
c) One thing I would like to see implemented into our budget is a much more aggressive code enforcement division. There are many laws that the city and our contracted police force do not address, however, if our code enforcement were more of a presence, I am sure that more revenues can be collected, which can go towards addressing some of the issues regarding deferred maintenance referenced in question 4.
- 6) I hope, above all, to bring civility, respect, and education to this limited term as a Patterson City Councilmember.



7. CONSENT CALENDAR



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager

BY: Maricela Vela, City Clerk

MEETING DATE: June 7, 2016

ITEM NO: 7.2

SUBJECT: Approval of City Council Meeting Minutes of April 19, 2016, April 25, 2016, May 3, 2016, May 17, 2016, May 20, 2016 and May 23, 2016

RECOMMENDATION

Motion to approve the City Council Meeting Minutes of April 19, 2016, April 25, 2016, May 3, 2016, May 17, 2016, May 20, 2016 and May 23, 2016.

City of Patterson
City Council Regular Meeting
April 19, 2016
Minutes

1. Call to Order

The regular meeting of the City Council of the City of Patterson was called to order in City Hall, City Council Chambers, 1 Plaza, Patterson at 7:05 p.m. by Mayor Pro Tem Novelli.

Present: Councilmembers McCord, Farinha (arrived at 7:24 p.m.), Lustgarten, Mayor Pro Tem Novelli and Mayor Molina (arrived at 7:37 p.m.) (5)

Staff: City Attorney Hallinan, Public Works Director Willett, Public Works Management Analysts Encinas and Basalusalu, Recreation & Community Services Director Flanders, Interim Human Resources Manager Smith, Finance Director Ryan, City Planner Andrews, City Engineer Ulloa, Interim Fire Chief Gregory, Police Chief Dirkse and City Clerk Vela (12)

Excused: City Manager Irwin (1)

2. Pledge of Allegiance

3. Statements of Conflict – none.

4. Items from the Public

George MacMaster, Patterson – addressed the City Council stating he had a problem with district elections.

Mayor Pro Tem Novelli addressed Mr. MacMaster's question stating item was on the Agenda, Public Hearing Item No. 6.3 and would be addressed later in the meeting.

5. Consent Calendar

All items are approved by a single action. Any item may be removed from the Consent Calendar for separate discussion upon request from a member of the Public, Staff and/or Councilmember.

5.1 Motion to Waive Readings - All Readings of Ordinances and Resolutions, Except by Title are hereby waived.

5.2 Approval of City Council Meeting Minutes of February 29, 2016, March 14, 2016 and March 30, 2016.

- 5.3 Approve City Department Reports for the Months of January 2016 and March 2016 (Community Development, Fire, Police, Public Works and Recreation & Community Services)
 - 5.4 Approve City Commission Reports for the Month of March 2016 (Economic Strategic Commission, Parks, Recreation & Beautification Commission and Planning Commission)
 - 5.5 Approve Resolution No. 2016-28, Employer Paid Member Contributions for the California Public Employees' Retirement System.
 - 5.6 Authorize Submittal of an Application for the FEMA SAFER Grant (Staffing for Adequate Fire and Emergency Response) and a Letter from the Mayor of the City Council Explaining its Support for the Same, all names listed on the letter.
- Councilmember Lustgarten asked for all Councilmembers to be included in signing the letter of support similar to the Letter of Support in Consent Calendar Item 5.7. The City Council was in consensus.
- 5.7 Approve a Letter of Support from the Patterson City Council for Livingston Community Health - Change in Scope (CIS) Patterson.
 - 5.8 Accept all Bids for the Ward Avenue Overlay Project and Award Construction to Knife River Construction and Authorize Staff to Execute the Contract.
 - 5.9 Approve Street Closures for Meet Me at The Park Event and Car Show –The River of Life Christian Fellowship – May 7, 2016.
 - 5.10 Approve Street Closures for Patterson FDES Annual Festa Parade on June 11-12, 2016.
 - 5.11 Approve Street Closures for Car Show – Adventure Christian Church June 25, 2016.

Mayor Pro Novelli moved to approve Consent Calendar Items 5.1 through 5.11 with changes to Consent Calendar Item 5.6 to include all Councilmembers signatures in the letter of support. The motion was seconded by Councilmember Lustgarten and approved by a 3-0 roll call vote.

The City Council was in consensus to discuss and move Public Hearing Item No. 6.3 regarding District Elections after City Staff Report Item 7.2.

6. Presentations and Public Hearings

- 6.1 Public Hearing:** Wastewater Master Plan - the City of Patterson has undertaken preparation of a series of Master Plans addressing infrastructure and public service needs. One of these Master Plans, for Wastewater, has been completed by City consultants, and will be presented to the City Council

for adoption. The Wastewater Master Plan addresses wastewater infrastructure needs based on long-term plans for City development under its adopted General Plan, including plans for sewer conveyance and wastewater treatment through community buildout. As part of this action, the City has also prepared an Addendum to the 2010 General Plan Environmental Impact Report pursuant to the provisions of CEQA (Verbal Report)

Public Works Director Willett reviewed his report.

At 7:12 p.m. Mayor Pro Tem Novelli opened the Public Hearing to public comments. There were no public comments.

Mayor Pro Tem Novelli motion to continue the Public Hearing to May 3, 2016. The motion was seconded by Councilmember McCord and approved by a 3-0 roll call vote.

6.2 Public Hearing: Properties to be Liened for Unpaid Weed Abatements, Resolution No. 2016-29.

Finance Director Ryan reviewed her staff report.

At 7:15 p.m. Mayor Pro Tem Novelli opened the Public Hearing to public comments.

Sergio Perez, Patterson – addressed the City Council asking questions about the process of liens.

Public Works Director Willett addressed Mr. Perez’s questions.

At 7:16 p.m. there being no further public comments, Mayor Pro Tem Novelli closed the Public Hearing from further public comments.

Councilmember Lustgarten moved to approve Resolution No. 2016-29. The motion was seconded by Councilmember McCord and approved by a 3-0 roll call vote.

6.3 Public Hearing: **a.** Conduct the Third Public Hearing to Consider and Select a Council Member District Boundaries Map, and Adopt Resolution No. 2016-30, A Resolution of the City Council of the City of Patterson, Establishing the Council Member District boundaries to Implement a “By-District” Based Electoral System Beginning with the November 2016 General Municipal Election.

b. First Reading and Introduction of Ordinance 795, An Ordinance of the City Council of the City of Patterson, Amending Title 2, Administration and Personnel, Adding Chapter 2.10: Council Member Elections By-District.

City Attorney Hallinan reviewed his staff report.

Mayor Pro Tem Novelli reviewed her report.
Councilmember Lustgarten reviewed her report.

At 7:58 p.m. Mayor Pro Tem Novelli opened the Public Hearing to public comments.

George Mac Master, Patterson – addressed the City Council on their choice of 4 districts v. 5 districts. Mr. Mac Master request an at large Mayor election. Mr. Mac Master requested for City Council to reconsider 4 districts and mayor at large election.

Annette Smith, Patterson – addressed the City Council on the item of stating name and address for the record, stating the Brown Act didn't require for a person to identify themselves and state their name/address. Mrs. Smith addressed the City Council stating she was not in support of District Elections. Mrs. Smith addressed the Latino Community Roundtable. Mrs. Smith stated her support for repealing this law.

Mayor Pro Tem Novelli addressed the Mrs. Smith concerns, suggesting for the public to write letters to their legislative representatives; Adam Gray and Assembly Member Anthony Canella and voice their concerns.

Mayor Pro Tem Novelli addressed the item of District Elections.
Councilmember Farinha addressed the item of District Elections.

Howard Sword, Patterson – addressed the City Council stating his support for 4 districts v. 5 districts. Mr. Sword addressed the City Council stating the Council had options. Mr. Sword stated his disenfranchise from having 100% participation to getting 20% participation if Council decides on a 5 district election. Mr. Sword addressed the City Council asking for Council to respect the vote of the people from 2010, to be able to elect a mayor at large and be able to select the mayor every two years.

Chi Jack, Patterson – addressed the City Council stating she was not in support of district elections. Mrs. Jack suggested for City Council to not rush the issue. Mrs. Jacks addressed the City Council asking questions about rotating mayor seat – yearly.

Mayor Pro Tem Novelli addressed the item of the Mayor's seat/title/decisions.

City Attorney Hallinan addressed the item of repercussion if the City did not move forward with District Elections. City Attorney Hallinan stated item could not wait until 2018 elections. City Attorney Hallinan stated item needed to be submitted to the Stanislaus County Registrar's Office by Monday, May 9, 2016.

Mayor Pro Tem Novelli addressed the item of a rotating Mayor seat.

Howard Sword, Patterson – addressed the City Council on the item of the Mayor seat/title. Mr. Sword addressed the City Council stating that the City had a City Manager form of government and an elected at large (every two-years) mayor, which was a different situation. Mr. Sword stated an elected Mayor provided consistency. Mr. Sword stated his support for the public to have control over the City Council. Mr. Sword stated his support for a Mayor at large, elected every two years.

Joyce Buehner, Patterson – addressed the City Council stating her support for an elected at large mayor. Mrs. Buehner addressed the City Council asking if item of 4 districts v. 5 district could be placed on the ballot for the people to decide.

City Attorney Hallinan addressed Mrs. Buehner's concerns.
Councilmember Farinha addressed Mrs. Buehner's concerns.

Councilmember Farinha addressed the Latino Community Roundtable, letters written threatening to sue cities who did not comply.

Mayor Pro Tem Novelli addressed the item of a letter writing campaign to Senator Cannella and Adam Gray to voice their concerns. Mayor Pro Tem Novelli addressed the item of the City of Modesto being sued and losing.

Graciela Molina, Patterson – addressed the City Council on the item of the Latino Community Roundtable, when was the first public opportunity to discuss item. Mrs. Molina asked if the City Council as a whole had addressed the public's concerns to members of the Latino Community Roundtable. Mrs. Molina stated her support for an elected Mayor at large. Mrs. Molina addressed the City Council requesting for Council to listen to the community, request for a Mayor at large.

Mayor Pro Tem Novelli addressed Mrs. Molina's concerns.

Larry Phillips, Patterson – addressed the City Council on the 5 district process. Each member would have to live in that district. If no one in that district runs for office, someone would get appointed by the City Council that resides in that district.

Mayor Molina addressed Mr. Phillip's concerns about the City's appointment process.

Elias Funez, Patterson – addressed the City Council on the item of 4 districts v. 5 districts. Mr. Funez addressed the City Council asking for clarification in the Ordinance as to how the Mayor is chosen. Mr. Funez addressed the City Council stating his support for 4 districts and elected Mayor at large election.

Councilmember Lustgarten addressed Mr. Funez concerns.

Graciela Molina, Patterson – addressed the City Council on the appointment process restricted to that appointment district. Mrs. Molina addressed the item of the community's need to be educated about the process for district elections.

Councilmember Farinha addressed Mrs. Molina's concerns. Councilmember Farinha stated funds could be spent on education no advocacy.

Ken Buehner, Patterson – addressed the City Council asking questions about the methodology of choosing a Mayor if 5 districts chosen, if rotating would be based on seniority. Rotating throughout everyone. Mr. Buehner suggested for Council to consider.

At 8:47 p.m. there being no further public comments, Mayor Molina closed the Public Hearing from further public comments.

Mayor Molina stated his support for 4 districts and Mayor at large election.
Councilmember McCord stated his support for 4 districts and Mayor at large election.

Councilmember Farinha addressed his report.

Councilmember Lustgarten addressed her report. Councilmember Lustgarten addressed the item of the City Council seats not up for re-election, would they automatically be representing their respecting districts.

City Attorney Hallinan stated yes.

Mayor Pro Tem Novelli stated her support for 4 districts and Mayor at large election.

Justin Levitt, National Demographics Corporation reviewed his report, stating Council needed to hold the required Public Hearing meetings, it being okay to change from 5 districts to 4 districts. Mr. Levitt's addressed the item of adopting something now to meet the deadline of May 9, 2016 and then changing it in the future.

Justin Levitt, National Demographics Corporation addressed the item of Cities being forced to go through this process, there being no cities or school district winning this decision.

Ken Buehner, Patterson – addressed the City Council asking if there was time to have another meeting in order to meet the deadline.

Graciela Molina, Patterson – addressed the City Council stating her support for District 4 map (4 districts and Mayor at large election).

Howard Sword, Patterson – addressed the City Council stating item was a public hearing, that it was not the 11th hour. Mr. Sword stated the City Council was receiving public input in order to make a decision. Mr. Sword stated the City Council should not make a decision first and then listen to the public.

Sergio Perez, Patterson – addressed the City Council stating his support of 4 districts and Mayor at large election.

Justin Levitt, National Demographics Corporation reviewed his staff report - 4 districts v. 5 districts. Each district having to have the same amount in population.

Annette Smith, Patterson – addressed the City Council asking questions about district maps, dissected on population, registered voters, voter turnout, citizen voting age population, if demographics were evenly distributed.

At 9:30 p.m. Mayor Molina called for a short break.
At 9:41 p.m. Mayor Molina called the meeting back to order.

Ms. Claudia, 1505 P Street (Citizen) – addressed the City Council stating the City Council had choices that maybe the public didn't understand.

Annette Smith, Patterson – addressed the City Council on the item of legal aspect, at large mayor and 4 districts v. 5 districts. If Council goes with 4 districts will city still get sued if mayor at large (1 seat at large).

Mayor Molina addressed Mrs. Smith's concerns.

Howard Sword, Patterson – addressed the City Council stating all options were legally defensible. Mr. Sword asked for City Council to respect the will of the people to choose a mayor at large.

Ken Buehner, Patterson – addressed the City Council asking if the City could pick 4 districts map now and redistrict the map later, pick a better map in the future, after the election, City Council can hold a special meeting to pick a map.

Larry Buehner, Patterson – addressed the City Council asking questions about 4 v. 5 districts. Mr. Buehner suggested 4 districts now and redistrict apportionment of area. Mr. Buehner stated his support for a mayor at large.

Chi Jack, Patterson – addressed the City Council asking for Council to not make a hasty decision, the need to fix the item before adoption.

Graciela Molina, Patterson – addressed the City Council asking for Council to take time and listen to the public and make the right decision.

Ken Buehner, Patterson – addressed the City Council asking if Mr. Sergio Perez was from the Latino Community Roundtable. Mr. Perez was no longer present in the audience.

At 10:01 p.m. Mayor Molina closed the Public Hearing from further public comments.

Councilmember Lustgarten moved to approve Resolution No. 2016-30. The motion was seconded by Councilmember McCord and unanimously approved by a 5-0 roll call vote.

Mayor Molina Read Ordinance. No. 795, reading by title only, waiving further reading.

Councilmembers Lustgarten (motioned), McCord (seconded), Novelli, Farinha and Mayor Molina withdrew their previous votes of Reso. 2016-30 (as listed above).

Councilmember Lustgarten moved to adopt Resolution, 2016-30. The motion was seconded by Councilmember McCord and approved by a 5-0 roll call vote.

At this time, Councilmember Lustgarten and Councilmember McCord withdrew their original votes (as listed above) to adopt Resolution No. 2016-30.

Councilmember Lustgarten moved to adopt Resolution No. 2016-30 (5-district base election). The motion was seconded by Councilmember Farinha and motioned failed due to a 3-2 roll call vote. Councilmembers McCord, Novelli and Mayor Molina voted no.

Councilmember McCord motioned to approve Resolution No. 2016-30, a resolution of the City Council of the City of Patterson establishing the council member district boundaries to implement a by-district based electoral system beginning with the November 2016 general municipal election, removing the preferred map and for the City Council to establish that by ordinance. The motion was seconded by Mayor Pro Tem Novelli and approved 3-2 roll call vote. Councilmembers McCord, Novelli and Mayor Molina voted yes. Councilmembers Farinha and Lustgarten voted no.

Councilmember McCord Read Ordinance No. 795, reading by title only, waiving further reading.

Councilmember McCord moved to approve First Reading and Introduction of Ordinance No. 795, reading by title only, waiving further reading, an ordinance of the City Council of the City of Patterson amending title 2, administration and personnel, adding chapter 2.10: council member elections by district and substituting map, the four districts map draft two, for tonight's discussion and then the City Council can have more discussion about changing it later. The motion was seconded by Mayor Pro Tem Novelli and approved by a 3-2 roll call vote. Councilmembers McCord, Novelli and Mayor Molina voted yes. Councilmembers Farinha and Lustgarten voted no.

7. **City Staff Reports**

7.1 **Public Works Department**

Receive Overview and Update to the 2015 Urban Water Management Plan

Public Works Director Willett reviewed his staff report.

RMC Consultant Ian Jaffe reviewed his staff report – power point presentation.
RMC Enrique Lopezcalva reviewed his staff report – power point presentation.

The City Council addressed:

- Per Capita Use Calculations and Compliance
- Gallons per Capita per day.
- Required by the State – 25% reduction (State Mandated)
- Deadline to adopt plan July 1, 2016.

At 7:43 p.m. Mayor Pro Tem Novelli opened the item to public comments.
There were no public comments.

7.2 **Ordinances (Second Reading and Adoption)**

Ordinance No. 794, An Ordinance of the City Council of the City of Patterson, Amending Section 18.82.070(D) Entitled “Freeway Oriented Signs” of the Patterson Municipal Code.

Mayor Molina Read Ordinance No. 794, reading by title only, waiving further reading.

Mayor Pro Tem Novelli addressed the item of adding language to the end of the paragraph D. 2. of the Draft Freeway Oriented Signage Ordinance to read as follows:

In no case, shall signs more than 30 feet tall be located within one-quarter mile of any residentially designated area. The City Council was in consensus.

At 7:45 p.m. Mayor Molina opened the item to public comments.

Ken Buehner, Patterson – addressed the City Council stating that the City would not get a Vegas strip because the ordinance requires a minimum 10 acre parcel size. Mr. Buehner stated people would see more lighted signs from a 30 ft. sign.

Sergio Perez, Patterson – addressed the City Council asking questions about the types of signs. Mr. Perez requested for Mayor Molina to be on time. Mr. Perez requested for item to be postponed for further review. Mr. Perez addressed the City Council asking questions about lighted signs.

Mayor Molina addressed Mr. Perez's questions/concerns about being late.

Councilmember Lustgarten addressed Mr. Perez's questions/concerns about giving his name and address for the record when addressing the City Council.

Mayor Pro Tem Novelli moved to approve Second Reading of Ordinance No. 794, reading by title only, waiving further reading, adding language to end of paragraph D. 2. to read as follows; in no case, shall signs more than 30 feet tall be located within one-quarter mile of any residentially designated area. The motion was seconded by Councilmember Farinha and unanimously approved by a 5-0 roll call vote.

Mayor Molina moved to Adopt Ordinance No. 794, reading by title only, waiving further reading. The motion was seconded by Mayor Pro Tem Novelli and unanimously approved by a 5-0 roll call vote.

8. Council Items

8.1 City Council Reports

Mayor Molina:

- StanCOG (Councilmember McCord Alternate) – meeting scheduled April 20, 2016 at 6 p.m. at 1111 I Street, Modesto.

- Stanislaus County Mayors Dinner – meeting scheduled May 11, 2016 in the City of Turlock.
- Patterson/West Stanislaus Fire Services Committee – nothing to report. (Councilmember Farinha 1st Alternate, Councilmember Novelli 2nd Alternate)
- Stanislaus County Disaster Council (Councilmember McCord Alternate) – nothing to report.

Mayor Pro Tem Novelli – nothing to report on items.

- Patterson Representative – League of California Cities (LOCC)
(Councilmember Lustgarten Alternate)
- Stanislaus County Economic Development & Workforce “Alliance”
(Councilmember Novelli Alternate)
- Economic Development Action Committee (EDAC)
(Councilmember Novelli Alternate)

Councilmember Farinha – nothing to report on items.

- San Joaquin Air Pollution Control District – Valley-wide Special City Selection Committee (Councilmember Novelli Alternate)
- Stanislaus County Hazardous Waste Advisory Committee
(Councilmember McCord Alternate)

Councilmember McCord – nothing to report on items.

- Westside Health Care Task Force

Councilmember Lustgarten – nothing to report.

8.2 Other Matters

The City Council announced a Monday, April 25, 2016 at 7 p.m. Special City Council Meeting to review/approve a 4 district map instead of a 5 district map.

Councilmember Lustgarten addressed the item of looking forward to the League of California Cities, Legislative Action Day, April 27, 2016 in Sacramento.

Mayor Molina addressed Mental Health Awareness Month in “May 2016”

9. Adjournment

There being no further business, the regular meeting of the City Council of the City of Patterson of April 19, 2016 was adjourned at 10:28 p.m.

Maricela Vela, City Clerk of the City of Patterson

City of Patterson
City Council Regular Meeting
May 3, 2016
Minutes

1. Call to Order

The regular meeting of the City Council of the City of Patterson was called to order in City Hall, City Council Chambers, 1 Plaza, Patterson at 7:00 p.m. by Mayor Molina.

Present: Councilmembers McCord, Novelli, Farinha, Lustgarten and Mayor Molina (5)

Staff: City Manager Irwin, City Attorney Hallinan, Finance Director Ryan, Interim Fire Chief Gregory, Police Chief Dirkse, City Planner Andrews, Public Works Director Willett, Public Works Management Analyst Encinas, Recreation & Community Services Director Flanders, City Engineer Ulloa and City Clerk Vela (11)

2. Pledge of Allegiance

3. Statements of Conflict – none.

4. Items from the Public

Mike Anderson, Patterson (American Legion Senior Vice Commander) – addressed the City Council on the following items; May 30, 2016, Memorial Day Flag Ceremony at 10 a.m. at the Patterson Cemetery, there would be an Ad. placed in the local paper, Relay for Life “fight for cancer” April 30th thru May 1, 2016 at the High School Stadium, Patterson, next meeting for American Legion will be video-taped, American Legion Post 168 meets every month on Wednesdays, Father Conner’s Hall, Patterson.

Pat Maisetti, Patterson – addressed the City Council on the item of waiting for a year or year in half for the flag pole at the Hammon Senior Center. Donation from Mary Bennett.

City Manager Irwin updated the Council and public on the item being in process.

5. Consent Calendar

All items are approved by a single action. Any item may be removed from the Consent Calendar for separate discussion upon request from a member of the Public, Staff and/or Councilmember.

5.1 Motion to Waive Readings - All Readings of Ordinances and Resolutions, Except by Title are hereby waived.

- 5.2 Approval of City Council Meeting Minutes of April 5, 2016 and April 9, 2016.
- 5.3 Approve Resolution No. 2016-31, Authorization to File an Application for Grant Funds from the State of California, Department of Water Resources for Aquatic Adventure Camp.
- 5.4 Approve Staff to Submit Application for the Beverage Container Recycling City/County Payment Program (Resolution No. 2016-32)
- 5.5 Approve Resolution No. 2015-33, for the Adoption of National Public Works Week (NPWW) May 15 - 21, 2016.
- 5.6 Award a Five Year Contract to Aramark Uniform Services for Uniform Service and Authorize the City Manager to Execute the Contract.
- 5.7 Approve Resolution No. 2016-34, Rejecting the Claim of Shirley Collins In An Amount of \$2,000 for Alleged Damages.

Councilmember Farinha moved to approve Consent Calendar Items 5.1 thru 5.7, Omitting Item No. 5.2. The motion was seconded by Councilmember McCord and unanimously approved by a 5-0 roll call vote.

Mayor Molina moved to approve Consent Calendar Item 5.2. The motion was seconded by Councilmember Farinha and approved by a 4-0 roll call vote. Councilmember Lustgarten abstained

6. Presentations and Public Hearings

- 6.1 Presentation:**
 - a. Proclamation – Mental Health Awareness Month “May 2016” (Mayor Molina)

Mayor Molina addressed the Proclamation – Mental Health Awareness Month, May 2016.

- b. Proclamation – Older Americans Month “May 2016” (Mayor Molina)

Mayor Molina addressed the Proclamation – Older Americans Month, May 2016.

Pat Maisetti updated the City Council on the current events/programs taking place at the Hammon Senior Center.

- c. Presentation by Hammon Senior Center – Programs Shellini Singh, Recreation Coordinator (Seniors)

Shellini Singh, Seniors Recreation Coordinator addressed her report – power point presentation.

Alfred Parham, Hammon Senior Center Board Member addressed the City Council on the Senior Board and events/programs at the Hammon Senior Center.

6.2 Public Comment/

Action Item:

Authorize Staff to Abate Public Nuisance, by Removing Weeds, Dirt, Rubbish, and/or Rank Growth Pursuant to the Provisions of Ordinance No. 243 and Ordinance No. 704, as defined in Chapter 6.16 of the Patterson Municipal Code - Property Maintenance; Authorize Staff to Begin Bid Process (Resolution No. 2016-35)

Interim Fire Chief Gregory reviewed his staff report.

At 7:32 p.m. Mayor Molina opened the item to public comments.

Lisa Manzanares, Discover Life Church, Patterson – addressed the City Council on the process of cleaning properties. Ms. Manzanares stated her group would like to volunteer (30 people) their help in cleaning up these properties.

At 7:34 p.m. there being no further public comments, Mayor Molina closed the item from further public comments.

Councilmember Lustgarten moved to approve Resolution No. 2016-35. The motion was seconded by Mayor Pro Tem Novelli and unanimously approved by a 5-0 roll call vote.

6.3 Public Hearing:

(Continued Public Hearing from April 19, 2016)

Consider Adoption of Wastewater Master Plan

Wastewater Master Plan - the City of Patterson has undertaken preparation of a series of Master Plans addressing infrastructure and public service needs. One of these Master Plans, for Wastewater, has been completed by City consultants, and will be presented to the City Council for adoption. The Wastewater Master Plan addresses wastewater infrastructure needs based on long-term plans for City development under its adopted General Plan, including plans for sewer conveyance and wastewater treatment through community buildout. As part of this action, the City has also prepared an Addendum to the 2010 General Plan Environmental Impact Report pursuant to the provisions of CEQA.

City Planner Andrews reviewed his staff report.

Jennifer Pratt with Black Water Consulting Engineering, Inc. reviewed her report – power point presentation.

Justin Peterson with NV5 reviewed his staff report – power point presentation.

The City Council addressed the following:

- Where will phase 3 be
- Where will the 3rd lift station pump be
- Master Plan Documents
- CEQA documents
- Impacts to population
- Environmental Impact Report
- Collection system model
- Existing and 10 Year Scenarios
- City Council approve fee schedule

At 7:54 p.m. Mayor Molina opened the Public Hearing to public comments. There were no public comments.

Councilmember Farinha moved to adopt the Wastewater Master Plan. The motion was seconded by Councilmember McCord and approved by a 4-1 roll call vote. Councilmember Lustgarten voted no.

6.4 Public Hearing: Motion to Approve Second Reading and Adoption of Ordinance No. 795.

Ordinance 795, An Ordinance of the City Council of the City of Patterson, California, Amending Title II, Administration and Personnel, Adding Chapter 2.10: Council Member Elections By-District, to the Patterson Municipal Code, to Establish that Election of Council Members Shall be By District.

Mayor Molina Read Ordinance No. 795, reading by title only, waiving further reading.

City Attorney Hallinan reviewed his report.

At 7:55 p.m. Mayor Molina opened the Public Hearing to public comments. There were no public comments.

Mayor Molina moved to approve the Second Reading or Ordinance No. 795, reading by title only, waiving further reading. The motion was seconded by Councilmember Farinha and unanimously approved by a 5-0 roll call vote.

Mayor Molina moved to Adopt Ordinance No. 795, reading by title only, waiving further reading. The motion as seconded by Mayor Pro Tem Novelli and unanimously approved by a 5-0 roll call vote.

7. City Staff Reports

Public Works Department

Award Contract to RMC Water and Environmental for Preparation of the Chromium 6 Feasibility Study.

Public Works Management Analyst Encinas reviewed her staff report – power point presentation.

The City Council addressed the following:

- field testing of wells when to expect work to start
- Funding source
- No. 5 Overview and Cost Estimates of CAP starting in late 2017
- Multi-million dollar projects
- Will find out cost after the feasibility study
- Request that on future reports – list/set up time lines, target deadlines, and what other cities are doing
- Rules and regulations (RFP process, bidding process) – legally done. City Attorney Hallinan stated yes due to compliance timelines and professional services.
- How are other cities responding to this item, how are other cities addressing this issue that are strapped with funds.
- Compliance timelines.
- Requests for Proposals (RFP's)
- Bid Procedures

At 8:19 p.m. Mayor Molina opened the item to public comments.

Chi Chi Jack, Patterson – addressed the City Council asking questions about how harmful Chrome 6 was, bidding process, need for expertise and are there ways to compare costs.

City Staff (Public Works) stated every quarter a report is mailed out in accordance with the division of drinking water.

At 8:21 p.m. there being no further public comments, Mayor Molina closed the item from further public comments.

Supervisor Jim DiMartini, Stanislaus County Board of Supervisors – addressed the City Council stating item varied in what was in the individual Cities aquifers. State standard, not really a problem in unincorporated areas. Supervisor DiMartini addressed the items that Crows Landing was having problems and new state standards.

Councilmember Farinha moved to approve award the contract to RMC Water and Environmental for Preparation of the Chromium 6 Feasibility Study. The motion was seconded by Councilmember McCord and unanimously approved by a 5-0 roll call vote.

8. Council Items

8.1 City Council Reports

Mayor Molina:

- StanCOG (Councilmember McCord Alternate) – meeting May 18, 2016 at 6 p.m. 1111 I Street, 3rd Floor, Modesto.
- Stanislaus County Mayors Dinner – meeting May 11, 2016 in Turlock.
- Patterson/West Stanislaus Fire Services Committee – (Councilmember Farinha 1st Alternate, Councilmember Novelli 2nd Alternate) - May 26, 2016 Tentative date at Harvest Hall, Modesto.
- Stanislaus County Disaster Council (Councilmember McCord Alternate) – nothing to report.

Mayor Pro Tem Novelli – nothing to report on items.

- Patterson Representative – League of California Cities (LOCC) (Councilmember Lustgarten Alternate)
- Stanislaus County Economic Development & Workforce “Alliance” (Councilmember Novelli Alternate)
- Economic Development Action Committee (EDAC) (Councilmember Novelli Alternate)

Councilmember Farinha – nothing to report on items.

- San Joaquin Air Pollution Control District – Valley-wide Special City Selection Committee (Councilmember Novelli Alternate)
- Stanislaus County Hazardous Waste Advisory Committee (Councilmember McCord Alternate)

Councilmember McCord – nothing to report.

- Westside Health Care Task Force

Councilmember Lustgarten:

8.2 Other Matters

Councilmember Lustgarten updated the City Council on the Legislative Action Days at the Capital, Sacramento.

Councilmember Farinha addressed the following:

- May 4, 2016 Candidates Forum for District 5, Stanislaus County Board of Supervisors.
- Participated in Relay for Life (April 30 – May 1, 2016, Patterson High School Stadium) hands out to those who do the work, being their 11th year.

Mayor Molina addressed the following:

- Candidates Forum for District 5, Stanislaus County Board of Supervisors, meeting and greet from 6-7 p.m. at the Hammon Senior Center, May 4, 2016.
- Mental Health Awareness Day, working with the school district, May 21, 2016 from 9 a.m. to 11:30 a.m. City Council in support to team up with school district, have discussion, city and county-wide. Councilmember McCord to provide presentation to event “Westside Health Care Awareness Day. City Council in support, shared cost between City and School. Looking at businesses to provide food/beverages.

Mayor Pro Tem Novelli addressed Patterson's Back to School Block Party & Safety Fair, Saturday, August 13, 2016 from 9 a.m. to 12 noon in Downtown Patterson.

Councilmember Lustgarten addressed the item of holding a joint meeting of the School Board Trustees and City Council.

Mayor Molina wished everyone a Happy Mother's Day.

Councilmember McCord addressed Sober Grad Night, June 2, 2016, Parent meetings currently being held, in need of volunteers, getting local police involved. Additional information available on Facebook.

Councilmember Lustgarten addressed her records requests for the following:

- Receiving the City's receivables. Revenue receivables.
- Total cost of attorneys or courts, or any other process that was done to Councilmember Lustgarten.

Mayor Pro Tem Novelli addressed Cinco de Mayo, wishing everyone a happy holiday, to be safe and drive safe.

9. Adjournment

There being no further business, the regular meeting of the City Council of the City of Patterson of May 3, 2016 was adjourned at 8:50 p.m.

Maricela Vela, City Clerk of the City of Patterson

City of Patterson
City Council Regular Meeting
May 17, 2016
Minutes

1. Call to Order

The regular meeting of the City Council of the City of Patterson was called to order in City Hall, City Council Chambers, 1 Plaza, Patterson at 7:00 p.m. by Mayor Molina.

Present: Councilmembers McCord, Novelli, Lustgarten and Mayor Molina (4)

Staff: City Manager Irwin, City Attorney Hallinan, Interim Fire Chief Gregory, Interim Human Resources Manager Smith, Public Works Director Willett, Deputy Public Works Director Andrade, Police Deputy Costello, Recreation & Community Services Director Flanders, Finance Director Ryan, City Engineer Ulloa and City Clerk Vela (11)

Excused: Councilmember Farinha, Police Chief Dirkse, City Planner Andrews (3)

2. Pledge of Allegiance

3. Statements of Conflict - none.

4. Items from the Public

Virgil Myers, Patterson (10 years working for the City, West Stanislaus Fireman for 11 years) – addressed the City Council speaking in support of Interim Fire Chief Gregory for Fire Chief.

5. Consent Calendar

All items are approved by a single action. Any item may be removed from the Consent Calendar for separate discussion upon request from a member of the Public, Staff and/or Councilmember.

5.1 Motion to Waive Readings - All Readings of Ordinances and Resolutions, Except by Title are hereby waived.

5.2 Approval of City Council Meeting Minutes of April 19, 2016 (Closed Session) and April 25, 2016.

Councilmember Lustgarten addressed the April 25, 2016 minutes regarding other matters. Her request to receive accounts receivables, has not been received to date. City Manager stated City staff was working on her request.

- 5.3 Approve City Department Reports for the Months of March and April 2016 (Community Development, Engineering, Building & Capital Projects, Fire, Public Works and Recreation & Community Services)
- 5.4 Approve City Commission Reports for the Month of April 2016 (Parks, Recreation & Beautification Commission and Planning Commission)
- 5.5 Approve the Electrical Technician I, II and Electrician/Crew Leader Job Descriptions and Salary Ranges.
- 5.6 Approve Resolution No. 2016-37, to Authorize the City Manager to execute the Right-of-Way Certifications and Construction Documents for Ward Avenue and W. Las Palmas Avenue Intersection Improvements Project CML-5244(033)
- 5.7 Approve Resolution No. 2016-38, Rejecting the Claim of Kamisha Lyles In An Amount of \$843.25 for Alleged Damages.

Mayor Pro Tem Novelli moved to approve Consent Calendar Items 5.1 through 5.7. The motion was seconded by Councilmember McCord and approved by a 4-0 roll call vote.

6. Presentations and Public Hearings

- 6.1 Presentation:** Badge Pinning Ceremony – New Fire Fighter Paramedics (Interim Fire Chief Gregory, Mayor Molina)
- Daniel Rodriguez
 - Steve Kuchac
 - Frank Silvia

Mayor Molina administered the Oath of Office to the new fire-fighters paramedics. Interim Fire Chief Gregory pinned the badges on the new fire-fighters paramedics.

- 6.2 Presentation:** Introduction of New City of Patterson Employees (City Manager Irwin)
- Andre Pichly, Recreation Sports Coordinator
 - Michael Castillo, Maintenance Worker I
 - Celeste Gray, Public Works Intern
 - Marissa Venegas, Account Clerk, Finance Dept.
 - Angela Brown, Account Clerk, Finance Dept.

City Manager Irwin introduced Patterson’s New City of Patterson Employees.

- 6.3 Presentation:** Proclamation – Peace Officers Memorial Day “May 15, 2016” and National Police Week “May 15 – 21, 2016” (Mayor Molina, Mayor Pro Tem Novelli)

Mayor Pro Tem Novelli presented Deputy Costello with a Proclamation for Peace Officers Memorial Day “May 15, 2016” and National Police Week “May 15-21, 2016.

6.4 Presentation: Drowning Prevention Month Presentation
(Recreation & Community Services Director Flanders)

Recreation & Community Services Director Flanders reviewed her report - power point presentation.

Kelly Nelson, Recreation Coordinator (Aquatics) reviewed her report - power point presentation.

**6.5 Public Comment/
Action Item:**

Authorize Staff to Abate Public Nuisance, by Removing Weeds, Dirt, Rubbish, and/or Rank Growth Pursuant to the Provisions of Ordinance No. 243 and Ordinance No. 704, as defined in Chapter 6.16 of the Patterson Municipal Code - Property Maintenance; Authorize Staff to Begin Bid Process (Resolution No. 2016-40) Clean Up Process

Interim Fire Chief Gregory reviewed his staff report.

At 7:23 p.m. Mayor Molina opened the item to public comments. There were no public comments.

Councilmember Lustgarten moved to approve Resolution No. 2016-40. The motion was seconded by Councilmember McCord and approved by a 4-0 roll call vote.

7. City Staff Reports

7.1 Public Works Department

Accept Bid from City of Patterson, Department of Public Works, Parks Division, to begin mowing services for all parks, medians, and easement turf areas in the amount of \$1,017,255.45 and approve budget adjustment of \$52,712.63 in preparation of work starting July 1, 2016.

Public Works Director Willett reviewed his staff report.

Deputy Public Works Director Andrade reviewed his staff report - power point presentation.

At 7:35 p.m. Mayor Molina opened the item to public comments.

Ken Buehner, Patterson (Patterson District Cemetery Member) – addressed the City Council on the item of gas mowers v. diesel, diesel being more economical. Mr. Buehner stated diesel mower was what is used at the Patterson Cemetery.

Councilmember Lustgarten moved to accept the bid from the City of Patterson, Department of Public Works, Parks Division, to begin mowing services for all parks, medians, and easement turf areas in the amount of \$1,017,255.45 and approve budget adjustment of \$52,712.63 in preparation of work starting July 1,

2016. The motion was seconded by Mayor Pro Tem Novelli and approved by a 4-0 roll call vote.

7.2 Recreation and Community Services

- a. Approve entering into a contract along with the Patterson Joint Unified School District (PJUSD) for Crossing Guard Services, provided by All City Management Services, Inc. (ACMS) (Resolution No. 2016-39)

Recreation & Community Services Director Flanders reviewed her staff report.

The City Council addressed the following:

- History of crossing guards, do more research, finances, review the item in the future, if school district can take back.
- Bring item back, look at history, exact dates when city/school paid for program, finances.
- Liability costs

The City Council was in consensus to bring item back at a future meeting for further review/approval.

At 7:55 p.m. Mayor Molina opened the item to public comments.

Armin Arambide, Patterson – addressed the City Council on the item of funeral processions going to no avail, the \$2 million Liability Insurance policy a problem. Mr. Arambide asked for Council to Council a rider on ACMS to include funeral processions. Mr. Arambide addressed the CERT program training.

At 7:58 p.m. there being no further public comments, Mayor Molina closed the item from further public comments.

- b. Approve Street Closure for Patterson Downtown Farmer’s Market, on Saturday Mornings.

Recreation & Community Services Director Flanders reviewed her staff report.

Consuelo Hernandez (YAC) Youth Action Committee, Stanislaus Aid, Farmers Market - reviewed her report.

Marian Bogdanovich, Local Farmer - addressed questions regarding non-profit and for profit program. Continuing Farmers Market on Wednesdays at True Value Parking Lot, Patterson. Saturdays farmers market in downtown Patterson to start after apricot fiesta in order to promote event at the fiesta.

Councilmember Lustgarten moved to approve Street Closure for Patterson Downtown Farmer’s Market on Saturday mornings, bounce house to be placed on grass area. The motion was seconded by Mayor Pro Tem Novelli and approved by a 4-0 roll call vote.

8. Council Items

- 8.1 Approve the Reappointment of Ken Buehner to the Patterson Economic Strategic Commission for the Term April 2016 to April 2018. (Mayor Molina, Mayor Pro Tem Novelli)

Mayor Molina moved to reappoint Ken Buehner to the Patterson Economic Strategic Commission for the Term of April 2016 to April 2018. The motion was seconded by Mayor Pro Tem Novelli and approved by a 4-0 roll call vote.

At 8:11 p.m. Mayor Molina opened the item to public comments. There were no public comments.

Patterson Family – addressed the City Council about renting from Westside Property Management (Larry Buehner) - the family addressed their concerns in regards to their housing (unit) being in bad conditions. The family requested the City Council’s help in regards to their item. The family turned in pictures of their housing unit’s items in need of repair.

- 8.2 City Council Reports

Mayor Molina:

- StanCOG (Councilmember McCord Alternate) – addressed the South County Corridor Plan. Meeting May 18, 2016 at 6 p.m. 3rd Floor, 1111 I Street, Modesto. Discussed the ½ sales tax initiative.

City Manager Irwin addressed the South County Corridor Plan.

- Stanislaus County Mayors Dinner - Mayor’s meeting scheduled for June 8, 2016 (2nd Wednesday of each month).
- Patterson/West Stanislaus Fire Services Committee – noting to report. (Councilmember Farinha 1st Alternate, Councilmember Novelli 2nd Alternate)
- Stanislaus County Disaster Council (Councilmember McCord Alternate) – meeting May 26, 2016 at Harvest Hall, Modesto.

Mayor Pro Tem Novelli – nothing to report on items.

- Patterson Representative – League of California Cities (LOCC) (Councilmember Lustgarten Alternate)
- Stanislaus County Economic Development & Workforce “Alliance” (Councilmember Novelli Alternate)
- Economic Development Action Committee (EDAC) (Councilmember Novelli Alternate)

Addressed Governor Brown’s tax measures for roads, Prop. 50. Requesting for the public to review the issues at this year’s election.

Councilmember Farinha – nothing to report on items.

- San Joaquin Air Pollution Control District – Valley-wide Special City Selection Committee (Councilmember Novelli Alternate)

- Stanislaus County Hazardous Waste Advisory Committee
(Councilmember McCord Alternate)

Councilmember McCord:

- Westside Health Care Task Force – meeting May 19, 2016 in Gustine.

Westside walks starting Wednesday evenings at 6 p.m. after apricot fiesta.

Councilmember Lustgarten:

8.3 Other Matters

Councilmember McCord addressed the following:

- Grad night, June 2, 2016 from 10 to 2 p.m., looking for chaperons/volunteers.
Interested persons to call the High School Cindy Horton or Councilmember McCord.
- Patterson Education Foundation “Let There Be Music” event in October, tickets available around town; Blues Cafe.

Mayor Pro Tem Novelli congratulated the Class of 2016.

Councilmember Lustgarten requested an update on her request for Account receivables on the City finances. City Manager Irwin addressed Councilmember Lustgarten’s issue stating item was coming.

Councilmember Lustgarten stated her request for the accounting on legal fees on the investigation on her. Entire total of all of it. Legal matters including investigation. Request for total amount. City Attorney Hallinan to review and report back.

Mayor Molina addressed the Saturday, Health Care Awareness Month event at the Hammon Senior Center, May 21, 2016 from 8:30 to 11:30 a.m. Event also available in spanish, for the youth, seniors and veterans. Experts and Resources will be in attendance.

Due to the restraining order, Councilmember Lustgarten requested to attend if Councilmember McCord was not attending.

Councilmember McCord to be in attendance, therefore Councilmember Lustgarten cannot be in attendance.

9. Adjournment

There being no further business, the regular meeting of the City Council of the City of Patterson of May 17, 2016 was adjourned at 8:42 p.m.

Maricela Vela, City Clerk of the City of Patterson

City of Patterson
City Council Special Meeting
Friday, May 20, 2016
6:30 p.m. (Open Session)
Minutes

1. Call to Order

The special meeting of the City Council of the City of Patterson was called to order in City Hall, City Council Chambers, 1 Plaza, Patterson, at 6:30 p.m. by Mayor Molina.

Present: Councilmembers McCord, Novelli, Farinha, Lustgarten and Mayor Molina (5)

Staff: City Attorney Hallinan, Deputy City Attorney White, Police Chief Dirkse, Interim Fire Chief Gregory, Public Works Management Analyst Basalusalu and City Clerk Vela (6)

Excused: City Manager Irwin, Public Works Director Willett, City Engineer Ulloa, Finance Director Ryan, Recreation & Community Services Director Flanders and City Planner Andrews (6)

2. Pledge of Allegiance

3. Statements of Conflict - none.

4. Items from the Public - none.

5. Report Regarding Councilmember Sheree Lustgarten's Potential Abandonment of Office, Potential Action by City Council to Declare a City Council Vacancy, and City Council Consideration of Options to fill Potential Vacancy.

City Attorney Hallinan reviewed his staff report.

Mayor Pro Tem Novelli motioned to waive attorney client privileges in regards to this agenda item. The motion was seconded by Councilmember McCord and approved by a 4-1 roll call vote. Councilmember Lustgarten voted no.

City Attorney Hallinan reviewed his staff report.

Councilmember McCord addressed his issues.
Mayor Pro Tem Novelli addressed her issues.
Councilmember Farinha addressed his issues.
Councilmember Lustgarten addressed her issues.
Mayor Molina addressed his issues.

Deputy City Attorney White addressed his report.
City Attorney Hallinan addressed his report.

Councilmember Lustgarten addressed her issues.

Deputy City Attorney White addressed a similar case.

At 7:24 p.m. Mayor Molina opened the item to public comments.

Mrs. Valdivia, Patterson – addressed the City Council speaking in support of Councilmember Lustgarten, stating it was wrong what the people were doing to her. Mrs. Valdivia stated Councilmember Lustgarten was the only person on Council who cared about people in Patterson. Mrs. Valdivia addressed her concerns about this item being wrong.

Mayor Molina addressed Mrs. Valdivia's concerns.
Mayor Pro Tem Novelli addressed Mrs. Valdivia's concerns.

Mr. Valdivia, Patterson – addressed the City Council speaking in support of Councilmember Lustgarten. Mr. Valdivia stated if Councilmember Lustgarten owed \$375 in rent that he would pay it.

At 7:34 p.m. there being no further public comments, Mayor Molina closed the item from further public comments.

Mayor Pro Tem Novelli moved to approve Resolution No. 2016-39. The motion was seconded by Councilmember McCord and approved by a 4-1 roll call vote. Councilmember Lustgarten voted No.

At this time, Mayor Molina asked Councilmember Lustgarten to step down from her seat at the dais.

The City Council was in consensus to hold a Special City Council meeting on Monday, May 23, 2016 at 7:30 p.m. to address options to fill the City Council vacancy.

6. Public Comments – there were no further public comments.

7. Adjournment

There being no further business, the special meeting of the City Council of the City of Patterson of May 20, 2016 was adjourned at 7:55 p.m.

Maricela Vela, City Clerk of the City of Patterson

City of Patterson
City Council Special Meeting
Monday, May 23, 2016
Minutes

1. Call to Order

The special meeting of the City Council of the City of Patterson was called to order in City Hall, City Council Chambers, 1 Plaza, Patterson at 7:32 p.m. by Mayor Molina.

Present: Councilmembers McCord, Novelli, Farinha and Mayor Molina (4)

Staff: City Manager Irwin, City Attorney Hallinan, Interim Fire Chief Gregory, Officer LaBarbera, Administrative Assistant Rocha and City Clerk Vela (6)

Excused: Public Works Director Willett, Finance Director Ryan, Police Chief Dirkse, City Planner Andrews, Recreation & Community Services Director Flanders (5)

2. Pledge of Allegiance

3. Statements of Conflict - None

4. Items from the Public

Anonymous, Patterson Resident – addressed the City Council of his concerns on the address of 1315 Pinto Way, Patterson, his concerns of a boat and car parked in the street for several weeks, safety issue.

Annett Smith, Patterson Resident – addressed the City Council on the boat issue stating her agreement that issue was a safety concern.

5. Consider Adopting Resolution to Fill Vacant City Council Seat

City Attorney Hallinan reviewed his report

The City Council addressed the following:

- Cost of election and time frame (60 calendar days)
- Submit an application/resume with 300 words on why they want to serve
- Not in support of having a special election
- Typical city application, resume and a short essay describing why they want the position
- Appointed person to take an Oath of Office

Deadline for public to turn in applications, June 1, 2016 by 5:00 p.m.

At 7:48 p.m. Mayor Molina opened the item to public comments.

6. Public Comments

Annett Smith, Patterson resident – addressed the City Council City’s election packet when taking out nomination papers for City Council at election time. Mrs. Smith stated that nothing should be put off as far as City deadlines. Mrs. Smith stated that the new appointed Councilmember should be able to catch up.

Amy Hussar Patterson Resident – addressed the City Council stating one week was more than enough time for someone to catch up. Mrs. Hussar suggested for City Council to not move process too fast because they might get the wrong person.

Elias Funez Patterson Resident – addressed the City Council asking for clarification of whether Councilmember was elected or appointed. Mr. Funez stated that the people should be allowed to appoint the successor. Mr. Funez addressed Former Mayor Becky Campo not residing within the City of Patterson.

Annette Smith, Patterson Resident – addressed Mr. Funez’s comments about former Mayor Becky Campo, stating she lived within the City limits of Patterson.

Elias Funez, Patterson Resident – addressed Mrs. Smith comments, addressing the performance of investigative journalism.

The City Council was in consensus that June 1, 2016 by 5 p.m. being the closing date for any applications to be turned in. Advertisement to be placed on the City web site and local newspaper.

Amy Hussar, Patterson Resident – addressed the City Council about not passing the resolution (No. 2016-39 declaring a City Council vacancy) on Friday (May 20, 2016), that City Council only took a vote to vacate the seat. Mrs. Hussar addressed the item of that through the entire meeting there was no mention of a resolution. Mrs. Hussar stated that she had been to enough meetings, that you have to specifically state that, just for clarification. Mrs. Hussar stated that the City should cover their bases in this matter.

City Attorney Hallinan addressed Mrs. Hussar’s questions.

Councilmember Farinha motioned to approve Resolution No. 2016-41 (A) a Resolution of the City Council of the City of Patterson directing City Staff to issue a public notice of a City Council vacancy to appoint a successor through a selection (appointment) process for the remaining un-expired City Councilmember term through November 2016 due to a vacancy on the City Council pursuant to government code section 1770 and 36502 with the changes as noted by staff (City Attorney). With the indicated changes that City Staff publish in a newspaper of general circulation of the City of Patterson, that being the Patterson Irrigator, a notice of facts indicating a vacancy in the City Council and the deadline of June 1st by 5 p.m. for interested parties to inform the City of their interest to be appointed to the City Council by submitting a resume, a City application, answering questions posed by the City Council as well as an essay less than 400 words indicating their interest, qualifications and so forth. The motion was seconded by Mayor Pro Tem Novelli and approved by a 4-0 roll call vote.

7. Adjournment

There being no further business, the special meeting of the City Council of the City of Patterson of May 23, 2016 was adjourned at 8:09 p.m.

Maricela Vela, City Clerk of the City of Patterson



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *AB*

BY: Di Smith, Interim Human Resources Manager

MEETING DATE: June 7, 2016

ITEM NO: 7.3

SUBJECT: Approval of the Reclassification of Human Resources Manager Classification to Director of Human Resources, the Director of Human Resources Job Description and Salary

RECOMMENDATION

Approve the reclassification of the Human Resources Manager classification to Director of Human Resources, the Director of Human Resources job description and salary.

BACKGROUND

The City currently has a classification of Human Resources Manager and the position has been vacant since June 2015. In May 2015, RGS was hired to review current Human Resources practices and procedures and to determine the appropriate staffing needs and classifications for the department. A recommendation has been presented and approved by the City Manager to staff the department with a Human Resources Director and a Human Resources Analyst. The City Manager is seeking to fill the Human Resources Director position in July 2016 and the Human Resources Analyst during Fiscal Year 2016/17.

ANALYSIS

The Human Resources Department is comprised of one employee who receives assistance from the Confidential Secretary within the Administration Department. RGS has determined that due to the complexity of current regulations, the demanding workload and the expertise required, that the department's current managerial position of Human Resources Manager be elevated to the Director level. A Director level classification compliments the City's current Executive Management structure.

One factor such as rapid City growth was an important component in the analysis. The City has grown substantially over the last several years and will continue to be in an economic growth pattern placing a great strain on the department to manage the in-depth human resources needs of the City. In order for the department to be successful and meet the human sources demands of the City, a higher level manager is required to implement modern and “best human resources practices”. Currently the department has an abundance of issues that will benefit from expertise at the Director level.

A salary survey was conducted by RGS using surrounding cities with populations comparable to the City of Patterson. The recommended salary for the Director of Human Resources to be approved by Council is as follows:

Fiscal Year 2016/17 – Minimum Monthly Salary -\$7,858 – Maximum Monthly Salary - \$9,771

FISCAL IMPACT

The anticipated salary to fill the position has been budgeted and allocated as follows:

\$114,000 Salary + Benefits \$32,226 = \$146,226

Benefits Based on Employee +1 @ 100%
New CalPERS PEPRA @ 6.55%

Total Salary Funding Allocation:

100-100 (48%)
175-000 (9%)
190-405 (12%)
600-790 (2%)
605-790 (15%)
610-790 (14%)

JOB DESCRIPTION

City of Patterson



Human Resources

DIRECTOR OF HUMAN RESOURCES

JOB SUMMARY

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

This is a single position Director level class, and as such, manages all activities throughout the City related to the broad function of human resources, including recruitment and selection, job analysis and classification, and compensation; benefits administration, employee training and development, equal employment, employee records maintenance, the negotiation and administration of agreements with employee organizations.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from the City Manager.

This position does exercise supervision over assigned management, supervisory, professional, technical and administrative support personnel.

ESSENTIAL DUTIES

Typical essential duties may include, but are not limited to:

Plan, organize, control and direct the activities and operations of the Human Resources Department; review progress and direct changes as needed; develop, plan, and implement Department goals and objectives; recommend and administer policies and procedures; develop and implement long and short-term strategic plans in support of department and City-wide goals and objectives.

Supervise and participate in the development and administration of the Human Resources Department budget; direct the forecast of additional funds needed for staffing, equipment, materials, supplies, and services; monitor and approve expenditures; implement mid-year adjustments.

Select, train, motivate and evaluate personnel; provide or coordinate staff training; conduct performance evaluations; implement disciplinary actions and terminations; maintain discipline and high standards necessary for the efficient and professional operation of the Department.

Direct the City's labor relations program including meet and confer, investigation of grievances; recommend and secure Council authorization for negotiating parameters; provide analysis on negotiation issues and make presentations to the City Council; serve as management representative in negotiating collective bargaining agreements devise negotiation goals and strategies.

Coordinate with employee associations, their leadership, business representatives and legal counsel to resolve employee and labor relations issues, including contract interpretation, problem solving, and complaint and grievance resolution.

Administer the City's workers' compensation program to include claims processing and prevention, investigations, preparing reports for insurance carriers, represent the City at related hearings, and participation on the Safety Committee.

Coordinate, maintain, and direct the administration of City personnel policies, practices and procedures; advise employees, supervisors and managers in their interpretation; monitor developments and legislation related to human resource matters, evaluate their impact upon City operations and recommend and implement policy and procedural improvements.

Oversee the equal opportunity and diversity functions of the City, including recruitment outreach, training, state and federal reporting, referral of complaints for investigation, and consultation with supervisors and managers.

Oversee recruiting, testing, selection, classification and compensation activities; review and negotiate changes.

Oversee the employee benefits program; recommend and negotiate changes; consult with brokers and actuaries; recommend funding options to the City Manager.

Represent the Department to outside groups and organizations; participate in outside community and professional groups and committees; provide technical assistance as necessary.

Research, prepare and present technical and administrative reports and studies to Council, commissions and a variety of committees; prepare written correspondence as necessary.

Perform related duties as assigned.

KNOWLEDGE, SKILLS, AND ABILITIES

Thorough knowledge of: principles and practices of public human resources administration, including methods and techniques used in labor relations, negotiations, recruitment and selection, testing, classification and pay, salary and benefits administration, training and equal employment opportunity; principles and practices of labor relations in the public agency setting, including effective negotiating techniques.

Working knowledge of: principles and practices of leadership, motivation, team building and conflict resolution; principles and practices of organization, administration and employee management.

Knowledge of: basic budget preparation and administration; applicable federal, state and local laws and regulations; health, life, property, casualty and liability insurance coverages and workers' compensation law;

Ability to: plan, direct and control the administration and operations of the Human Resources Department; prepare and administer department budgets; negotiate effectively and perform advanced professional level labor relations and employee relations work; analyze problems, identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals.

Develop and implement department policies and procedures; select, train, motivate and evaluate assigned personnel; interpret and apply Federal, State, local and department policies, procedures, laws

and regulations; work with and control sensitive, confidential information.

Identify and respond to public and City Council issues and concerns; establish and maintain cooperative working relationships with those contacted in the course of work; exercise sound independent judgment within general policy guidelines and legal constraints; represent the interests of the City effectively in meetings with others; prepare clear, concise and competent analytical and technical reports, correspondence and other written materials.

Read, speak, write, and comprehend English to explain complex policies and instructions in plain language and to communicate effectively with elected officials, executives, other departments, agencies, employee organizations and the general public.

NECESSARY SPECIAL REQUIREMENTS

Must be 18 years of age or older.

Must successfully pass pre-employment examinations which may include various position related background, reference, medical, physical agility, second language ability, certificate or license verifications.

Must be able to provide proof of U.S. citizenship or legal right to work in the United States.

MINIMUM QUALIFICATIONS

Education: A Bachelor's degree from an accredited four-year college or university with major course work in business or public administration, human resources, industrial relations or a closely related field; a Masters' degree is a plus.

Experience: Seven years of increasingly responsible experience in professional human resources work including three years of experience of Manager, Deputy Director or Director level responsibility. Experience in a public agency setting is desirable.

License: Possession of a driver's license at the appropriate level including necessary special endorsements required by the State of California may be required for some positions to perform the essential job functions of the position.

Required Certification: None

Classification: Director, Exempt, Confidential

PHYSICAL REQUIREMENTS

Environmental Conditions: Work is performed in an office environment.

Physical Conditions: Position requires sitting, standing, walking, reaching, twisting, turning, kneeling, bending, grasping, and making repetitive hand movement in the performance of daily activities. Acute hearing is required when providing phone and personal services. Frequent reading and close up work. Frequent decision making and concentration required.

NECESSARY SPECIAL REQUIREMENTS

NONE

FLSA Exemption Status: Exempt

Revised: XX/2016



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager 

BY: Jeff Gregory, Interim Fire Chief

MEETING DATE: June 7, 2016

ITEM NO: 7.4

SUBJECT: Approve Authorizing the Purchase of Self-Contained Breathing Apparatus (SCBA) for the City of Patterson Fire Department from Cascade Fire Equipment (Resolution No. 2016-42)

RECOMMENDATION

Adopt Resolution No. 2016-42, Authorizing the purchase of self-contained breathing apparatus (SCBA) for the City of Patterson Fire Department from Cascade Fire Equipment.

BACKGROUND

The Patterson Fire Department is an all risk public service provider. The services provided include responding to incidents where atmospheric conditions are immediately dangerous to life and health (IDLH). Some of these incidents include hazardous materials, confined space rescue, and structural firefighting. OSHA is an authority having jurisdiction over the health and welfare of employees; they require that all employees responding to IDLH incidents have the appropriate form of respiratory protection. National Fire Protection Association (NFPA) is an authority having jurisdiction over the standards required by manufactures for product development; they require heads up display (HUD), emergency breathing support system (EBSS), and a personal alert safety system (PASS). Based on these two authorities the City of Patterson Fire Department is lacking appropriate respiratory protection for their employees when responding to IDLH incidents.

NFPA works on a revolving basis creating revisions to its standards. These revisions are on a five year cycle with NFPA and manufacture support for up to three cycles or 15 years. The City of Patterson Fire Department currently has SCBA's that meet the manufacturing standards of NFPA 2002 Therefore, the City of Patterson fire department is currently within 1 year of not being in compliant with NFPA and OSHA and the majority of the air cylinders are past the life expectancy date and no longer meet the requirements of OSHA, NFPA and NIOSH. The authorities also require that each employee on scene have necessary protective respiratory protection.

To meet the intent of the authorities the City of Patterson Fire Department would account for the maximum number of seats per apparatus and maintain response standards through policy and procedures.

ANALYSIS

As the SCBA's continue to become out of service the City of Patterson Fire Department will have to modify their response procedures to protect their employees from respiratory harm. If these procedures are changed the safety and well-being of the community will be placed at risk. The SCBA is an essential piece of firefighting equipment, without the proper SCBA, the fire department is restricted in proximity to IDLH environments; as a clean atmosphere must be maintained for employees.

The new SCBA will place the City of Patterson Fire Department in compliance with the authorities having jurisdiction and require no change to the current policies and procedures. It will also ensure compliance for up to fifteen (15) years through the authorities and provide a means for the fire department to establish a replacement program.

FISCAL IMPACT

The department will need to purchase eighteen total SCBA packages, which include the harness, mask, and two cylinder assemblies. The department needs to also purchase one rapid intervention team (RIT) package, which is used for fire fighter rescue operations. The total estimated cost is \$144,287.70 Fire currently has funds available in the 15/16 budget for equipment purchases and will use \$70,000.00 as an initial payment. This will allow us to finance the balance of \$74,287.70 over 5 years for a total annual cost of approximately \$15,000.00.

RESOLUTION NO. 2016-42

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON,
REGARDING A CONTRACT FOR THE PURPOSE OF FINANCING
"SCBA(S) & RELATED EQUIPMENT"

WHEREAS, the City of Patterson desires to enter into a lease-purchase agreement, by and between Government Capital Corporation and the City of Patterson, for the purpose of financing **"SCBA(S) & Related Equipment"**. The City of Patterson desires to designate this Agreement as a "qualified tax exempt obligation" of the City of Patterson for the purposes of Section 265 (b) (3) of the Internal Revenue Code of 1986, as amended. The City of Patterson desires to designate Jeff Gregory, whose title is Interim Fire Chief, as an authorized signer of the Agreement.

NOW THEREFORE, BE IT RESOLVED BY CITY COUNCIL OF THE CITY OF PATTERSON:

Section 1. That the City of Patterson enters into a lease-purchase agreement with Government Capital Corporation for the purpose of financing **"SCBA(S) & Related Equipment"**.

Section 2. That the lease-purchase agreement, by and between the City of Patterson and Government Capital Corporation is designated by the City of Patterson as a "qualified tax exempt obligation" for the purposes of Section 265 (b) (3) of the Internal Revenue Code of 1986, as amended.

Section 3. That the City of Patterson designates Jeff Gregory, whose title is Interim Fire Chief, as an authorized signer of the Lease Purchase Agreement, by and between the City of Patterson and Government Capital Corporation.

PASSED AND APPROVED by City Council of the City of Patterson in a regular city council meeting held on the 7th day of June, 2016 by the following roll call vote:

AYES:
NOES:
EXCUSED:

Lessee: City of Patterson (Approved)

Witness Signature (Attested)

Luis I. Molina, Mayor

Maricela Vela, City Clerk

I hereby certify that the foregoing is a full, correct, and true copy of a resolution passed by the City Council of the City of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

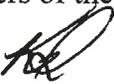
DATED:

City Clerk of the City of Patterson



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager 

BY: Mike Willett, Director of Public Works

MEETING DATE: June 7, 2016

ITEM NO: 7.5

SUBJECT: Approve Resolution No. 2016-43, Accepting the 3-Year Street Striping & Pavement Marking Services Project as Complete, Authorizing Staff to File the Notice of Completion

RECOMMENDATION

Approve Resolution No. 2016-43, Accepting the 3-Year Street Striping & Pavement Marking Services Project as Complete, Authorizing Staff to File the Notice of Completion.

BACKGROUND

In an effort to improve the safety and efficiency of the City's roads, Public Works surveyed the City's entire street striping and road markings. Every local and federal road was measured for striping and every road marking was counted and measured for replacement. At the end of the survey, the City was sectioned off in eight sections and then split into three phases.

To evenly distribute the funding allocation for street striping, staff opted to fund one phase during next three years with the majority of the work included in Phase 1. This would allow for addressing the larger number of streets as well as address those streets which were considered as a priority.

A Request for Quotes (RFQ) was sent out March 28, 2013 with quotes due on May 23, 2013. The city received two (2) responsive bids. The lowest bidder is Chrisp Company from Stockton, CA. The other bidder was Fine Line Striping from Modesto, CA. Chrisp Company's quote was the lowest bid and came far below the engineer's estimate for all three years. Because of this, it was possible to combine Years 2 and 3.

ANALYSIS

On July 16, 2013, the City Council approved the bid and the contract was awarded to Chrisp Company in the amount of \$187,005.95. Phase 1 was completed in 2014/15 and Phase 2 was completed this year, FY 15/16.

A final inspection of the project has been completed by the City and the project is now ready for project acceptance. Once the project is accepted by the City Council as complete, the Notice of Completion will be filed within ten (10) days, and the final 5% retention payment will be released to the Contractor within (35) days after the Notice of Completion is recorded.

FISCAL IMPACT

Sufficient funds were budgeted and approved under Gas Tax (327-000-7591). Once the Notice of Completion is recorded, the 5% payment will be paid to Chrisp Company.

RECORDED AT REQUEST OF:

City of Patterson

WHEN RECORDED RETURN TO:

Maricela Vela
City Clerk's Office
P.O. Box 667
1 Plaza
Patterson, CA 95363
(209) 895-8014

Space above this Line for Recorder's Use

**CITY OF PATTERSON
NOTICE OF COMPLETION**

(Resolution No. 2016-43 Attached)

NOTICE IS HEREBY GIVEN that at a regular meeting of the City Council of the City of Patterson, a Municipal Corporation in the County of Stanislaus, State of California, accepted the *Street Striping & Pavement Marking Services Project*. The "Contractor" of said contract as a whole was completed by the "Contractor" *Chrisp Company* and accepted as complete by the City of Patterson, City Council at a regular meeting held on the 7th day of June 2016.

CITY OF PATTERSON

BY: _____
Maricela L. Vela, City Clerk

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RESOLUTION NO. 2016-43

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**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON
ACCEPTING THE STREET STRIPING AND PAVEMENT MARKING SERVICES
PROJECT AS COMPLETE, AUTHORIZING STAFF TO FILE THE NOTICE OF
COMPLETION AND RELEASE OF FINAL RETENTION**

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WHEREAS, the Contractor, "Chrisp Company" has completed all work for the Striping and Pavement Marking Services Project in accordance to the contract requirements and plans and specifications; and

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WHEREAS, the City Engineer and Department of Public Works have inspected the work and recommended that the project be accepted as complete.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Patterson that it hereby accepts the project as complete and directs the City Clerk of the City of Patterson to file a Notice of Completion and release the Final Retention Payment for the Street Striping and Pavement Marking Services Project.

The foregoing resolution was passed by the City Council at a regular meeting held on the 7th day of June 2016 _____ who moved its adoption, which motion was duly seconded, and the resolution adopted by the following roll call vote:

AYES:

NOES:

EXCUSED:

APPROVED:

Luis I. Molina, Mayor of the City of Patterson

1 ATTEST:

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5 Maricela L. Vela, City Clerk of the City of Patterson

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15 I hereby certify that the foregoing is a full, correct and true copy of a resolution
16 passed by the City Council of the City of Patterson, a Municipal Corporation of the County
17 of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016,
18 and I further certify that said resolution is in full force and effect and has never been
19 rescinded or modified.

20 DATED:

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24 City Clerk of the City of Patterson

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CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager 

BY: Maricela Vela, City Clerk

MEETING DATE: June 7, 2016

ITEM NO: 7.6

SUBJECT: Approve Resolution No. 2016-49, Requesting from the Stanislaus County Board of Supervisors to Consolidate the City of Patterson (4) Districts & Mayor at Large Election, Districts A & C (4-Year Full Terms) and Mayor at Large (2-Year Full Term) Being Up this November 8, 2016 Election, with the County's Presidential General Election to be Held on November 8, 2016, requesting the Services of the Registrar of Voters, Elections Division of the County of Stanislaus to Conduct the Election on Behalf of the City of Patterson.

RECOMMENDATION

Motion to Approve Resolution No. 2016-49, Requesting from the Stanislaus County Board of Supervisors to Consolidate the City of Patterson (4) Districts & Mayor at Large Election, Districts A & C (4-Year Full Terms) and Mayor at Large (2-Year Full Term) Being Up this November 8, 2016 Election, with the County's Presidential General Election to be Held on November 8, 2016, requesting the Services of the Registrar of Voters, Elections Division of the County of Stanislaus to Conduct the Election on Behalf of the City of Patterson.

BACKGROUND/ANALYSIS

The City of Patterson will hold an Election on November 8, 2016 for the purpose of electing a Mayor at Large (2-Year Full Term) and Two Councilmembers; one from District A and one from District C (4-Year Full Terms).

The City of Patterson respectively requests that the Stanislaus County Registrar of Voters, Elections Division furnish all services, facilities, supplies, equipment, etc. necessary for the election.

The City of Patterson City Clerk's Office will be responsible for issuing/collecting election information, publishing the Notice of Election and the Nominees for Public Office.

The City of Patterson will reimburse the County of Stanislaus for all actual cost for services performed to conduct the municipal election on behalf of the City.

FISCAL IMPACT

Not to exceed \$10,000 to be paid from the Council's Budget FY 2016-17 Acct. 100-120-6260

RESOLUTION NO. 2016-49

A Resolution of the City Council of the City of Patterson, Requesting from the Stanislaus County Board of Supervisors to Consolidate the City of Patterson (4) Districts & Mayor at Large Election, Districts A & C (4-Year Full Terms) and Mayor at Large (2-Year Full Term) Being Up this November 8, 2016 Election, with the County's Presidential General Election to be Held on November 8, 2016, requesting the Services of the Registrar of Voters, Elections Division of the County of Stanislaus to Conduct the Election on Behalf of the City of Patterson

WHEREAS, the City of Patterson will hold an election on November 8, 2016 for the purpose of electing a Mayor at Large (2-Year Full Term) and two Councilmembers; one from District A, and one from District C (4-Year Full Terms); and

WHEREAS, the City of Patterson respectively requests that the Stanislaus County Registrar of Voters, Elections Division furnish all other services, facilities, supplies, equipment, etc. necessary for the election; and

WHEREAS, the City of Patterson City Clerk's Office will be responsible for issuing/collecting election information, publishing the Notice of Election and the Nominees for Public Office; and

WHEREAS, the City of Patterson will reimburse the County of Stanislaus for all actual costs for services performed to conduct the municipal election on behalf of the City.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Patterson that it hereby formally requests from the Board of Supervisors of Stanislaus County, California, to consolidate the City of Patterson (4) Districts & Mayor at Large Election, Districts A & C (4-Year Full Terms) and Mayor at Large (2-Year Full Term) Being Up this November 8, 2016 Election, with the County's Presidential General Election to be Held on November 8, 2016, requesting the Services of the Registrar of Voters, Elections Division of the County of Stanislaus to Conduct the Election of Behalf of the City of Patterson.

The foregoing resolution was introduced at a regular meeting of the City Council of the City of Patterson held on the 7th day of June 2016 by _____, who moved its adoption, which motion was duly seconded by _____, and the resolution adopted by the following roll call vote:

AYES:
NOES:
EXCUSED:

APPROVED:

Luis I. Molina, Mayor
City of Patterson

ATTEST:

Maricela L. Vela, City Clerk
City of Patterson

I hereby certify that the foregoing is a full, correct and true copy of a resolution passed by the City Council of the City of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATED:

City Clerk of the City of Patterson



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *KI*

BY: Maricela Vela, City Clerk

MEETING DATE: June 7, 2016

ITEM NO: 7.7

SUBJECT: Approve Resolution No. 2016-46, Rejecting the Claim of Natasha Bailey In An Unknown Amount for Alleged Damages.

RECOMMENDATION

Motion to approve Resolution No. 2016-46, rejecting the claim of Natasha Bailey in an unknown amount for alleged damages.

FISCAL IMPACT

None.

1 I hereby certify that the foregoing is a full, correct, and true copy of a resolution passed by
2 the City Council of the City of Patterson, a Municipal Corporation of the County of Stanislaus, State
3 of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said
4 resolution is in full force and effect and has never been rescinded or modified.

5 DATED:

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City Clerk of the City of Patterson

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CENTRAL SAN JOAQUIN VALLEY RISK MANAGEMENT AUTHORITY

CLAIM FORM

(Please Type Or Print)

CLAIM AGAINST City of Patterson
(Name of Entity)

Claimant's name: Natasha Bailey

DOB: 02/26/1979 Gender: Male _____ Female

Claimant's address: 3683 Wilk Oak Drive Ceres, CA 95307 Telephone: (209) 416-1280

Address where notices about claim are to be sent, if different from above: _____
BHHC PO Box 881716 San Francisco, CA 94188

Date of incident/accident: 11/16/2015

Date injuries, damages, or losses were discovered: 11/16/2015

Location of incident/accident: 25 N El Circulo Ave Patterson, CA 95363

What did entity or employee do to cause this loss, damage, or injury? Roots from city tree raised sidewalk causing injury to Ms. Bailey.

(Use back of this form or separate sheet if necessary to answer this question in detail.)

What are the names of the entity's employees who caused this injury, damage, or loss (if known)? _____

What specific injuries, damages, or losses did claimant receive? Claimant diagnosed with injuries to right ankle.

(Use back of this form or separate sheet if necessary to answer this question in detail.)

What amount of money is claimant seeking or, if the amount is in excess of \$10,000, which is the appropriate court of jurisdiction. Note: If Superior and Municipal Courts are consolidated, you must represent whether it is a "limited civil case" [see Government Code 910(f)]

Claim is not a limited civil case.

How was this amount calculated (please itemize)? Amount calculated based on lost employee wages, estimated medical costs, and potential for permanent disability.

(Use back of this form or separate sheet if necessary to answer this question in detail.)

Date Signed: 05/19/2016 Signature: Jamison Smith

If signed by representative:
Representative's Name Jamison Smith Address PO Box 881716 San Francisco, CA 94188

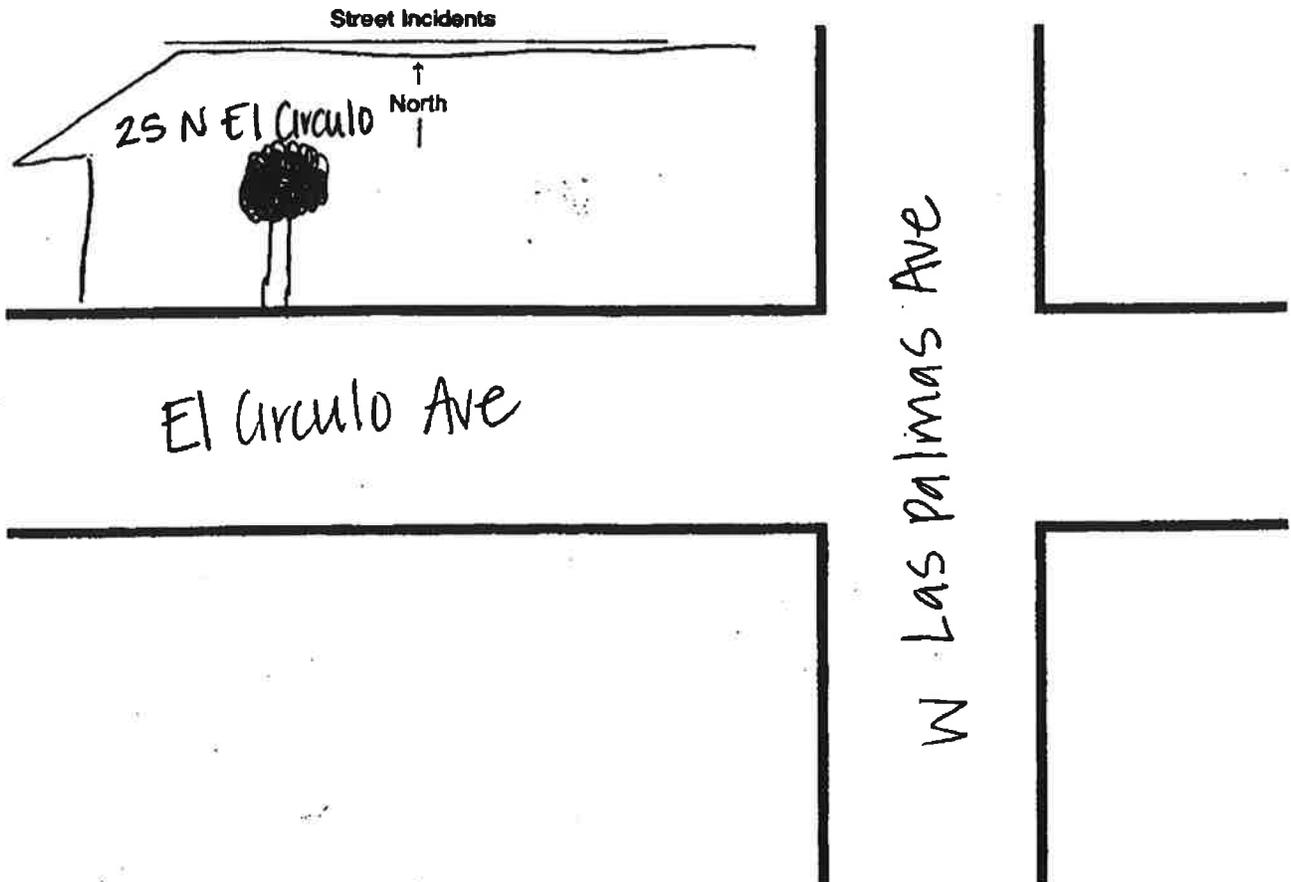
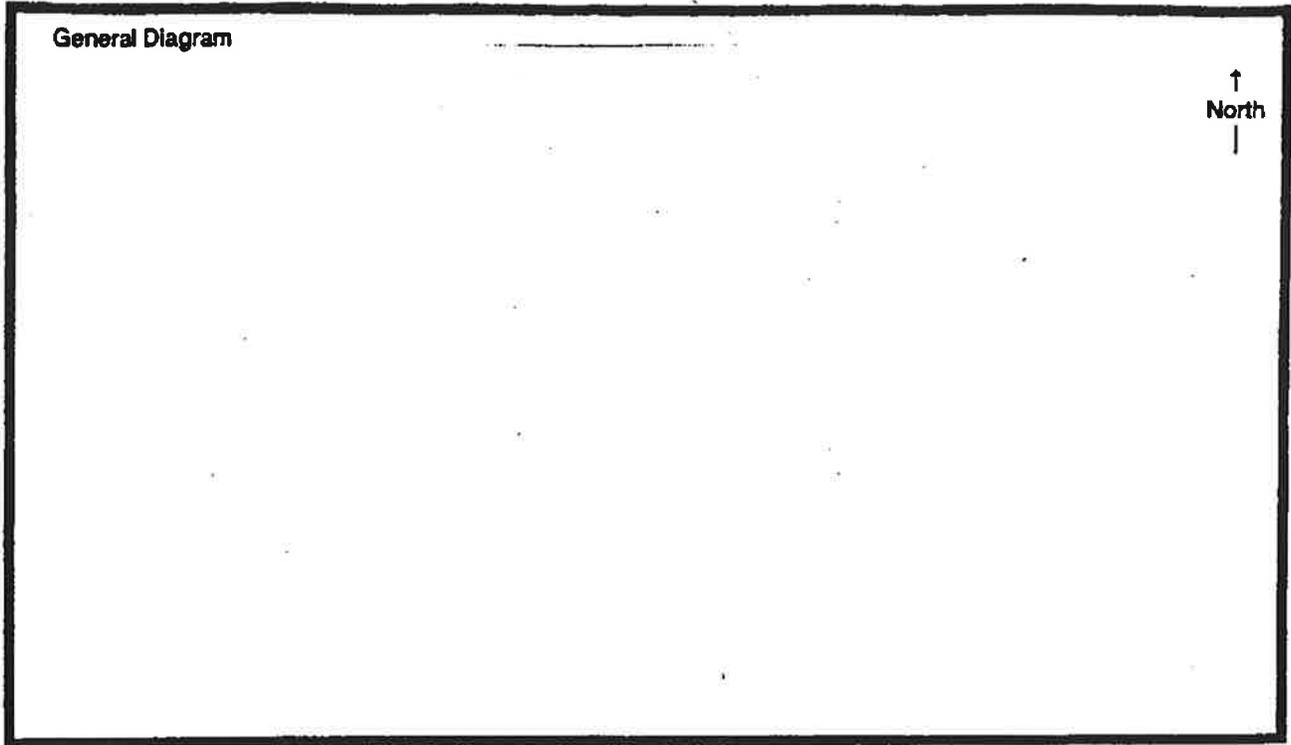
Telephone # (402) 916-3570

Relationship to Claimant Worker's Compensation Insurer



BY: Ar

DIAGRAMS



PLEASE READ — IMPORTANT!

Your claim must be filed within 6 months of the incident (Government code 911.2)

Your claim will be forwarded to the City's Risk Manager for investigation. Following that, your claim will be either settled or denied. You will be notified by mail.

If your claim is denied, you will have 6 months from date of denial to initiate an action against the city (Government code 945.6) Our hope is that you will be treated fairly. If you have any questions please call.

Berkshire Hathaway Homestate Company
PO Box 881716
San Francisco, CA 94188

11/05/16

US POSTAGE \$000.67-



City Hall
P.O. Box 667
Patterson, CA 95363

RECEIVED
MAY 23 2016

BY: AR

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CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *KI*

BY: Maricela Vela, City Clerk

MEETING DATE: June 7, 2016

ITEM NO: 7.8

SUBJECT: Approve Resolution No. 2016-47, Rejecting the Claim of Raymond Bernard Rodriguez In An Unknown Amount for Alleged Damages.

RECOMMENDATION

Motion to approve Resolution No. 2016-47, rejecting the claim of Raymond Bernard Rodriguez in an unknown amount for alleged damages.

FISCAL IMPACT

None.

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RESOLUTION NO. 2016-47

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON, CALIFORNIA, REJECTING THE CLAIM OF RAYMOND BERNARD RODRIGUEZ IN AN UNKNOWN AMOUNT FOR ALLEGED DAMAGES

WHEREAS, a claim submitted by Raymond Bernard Rodriguez in an unknown amount was received against the City of Patterson on May 18, 2016 for alleged damages.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Patterson that it hereby rejects the claim for damages in an unknown amount against the City of Patterson for alleged damages.

The foregoing resolution was introduced at a regular meeting of the City Council of the City of Patterson held on the 7th day of June 2016, by _____, who moved its adoption, which motion was duly seconded by _____, and it was upon roll call carried and the resolution adopted by the following roll call vote:

- AYES:
- NOES:
- EXCUSED:

APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

1 I hereby certify that the foregoing is a full, correct, and true copy of a resolution passed by
2 the City Council of the City of Patterson, a Municipal Corporation of the County of Stanislaus, State
3 of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said
4 resolution is in full force and effect and has never been rescinded or modified.

5 DATED:

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City Clerk of the City of Patterson

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ASCENDE LAW GROUP

A PROFESSIONAL CORPORATION

Sender's E-Mail: adiego@ascendelaw.com

Via Certified U.S. Mail

May 16, 2016

City of Patterson
1 Plaza
Patterson, CA 95363



Date of Loss: January 05, 2016
Our Client: Raymond Rodriguez ("Mr. Rodriguez")

To whom it may concern,

Please be advised that we are representing the above-referenced client who was involved in a Slip and fall accident. We are responding to your notice of insufficiency of claim and return without action correspondence dated April 5, 2016.

Mr. Rodriguez's claim is based on a slip and fall accident which occurred in front of Patterson City Hall on its steps. The steps were supposedly terra cotta-like tiles with a strip of white paint at the edge of each step that got slippery when it rained. On the day of the accident it was raining all morning. The time of the accident where Mr. Rodriguez fell was between 12pm-1pm. As such, Patterson City Hall reasonably should have known over the course of at least 3 hours regarding the slippery steps and slippery hand rail conditions(, especially after patrons slipped on the same steps previously). No warning signs, cones, or anti-slip mats were placed for the patrons frequenting city hall that morning to pay their bills.

If you need more information to process this claim, please do not hesitate to contact our office. If you have any question, please feel contact our office at (209) 284-0222. Thank you.
ASCENDE LAW GROUP, P.C.

A handwritten signature in cursive script, appearing to read "Ana Diego".

Ana Diego
Legal Assistant

Encl.: Copy of Notice of Insufficiency of Claim, Claim Form, and Diagram



CENTRAL SAN JOAQUIN VALLEY RISK MANAGEMENT AUTHORITY

CLAIM FORM

(Please Type Or Print)



CLAIM AGAINST Patterson City Hall
(Name of Entity)

Claimant's name: Raymond Bernard Rodriguez

DOB: 04/28/1971 Gender: Male Female

Claimant's address: 202 Spanish Barb Wy. Telephone: _____

Address where notices about claim are to be sent, if different from above: Ascende Law Group 619 13th St. Modesto, CA 95354

Date of incident/accident: 12/29/2016

Date injuries, damages, or losses were discovered: 12/29/2016

Location of incident/accident: Front building steps

What did entity or employee do to cause this loss, damage, or injury? Slipped while descending steps and fell on back

(Use back of this form or separate sheet if necessary to answer this question in detail.)

What are the names of the entity's employees who caused this injury, damage, or loss (if known)? Injured tailbone, neck, right forearm, back

What specific injuries, damages, or losses did claimant receive? Tailbone, neck, right forearm and back

(Use back of this form or separate sheet if necessary to answer this question in detail.)

What amount of money is claimant seeking or, if the amount is in excess of \$10,000, which is the appropriate court of jurisdiction. Note: If Superior and Municipal Courts are consolidated, you must represent whether it is a "limited civil case" [see Government Code 910(f)]

Civil unlimited, according to proof.

How was this amount calculated (please itemize)? Disability/ Injury to be determined from medical reports and other damages to be calculated according to proof.

(Use back of this form or separate sheet if necessary to answer this question in detail.)

Date Signed: 03/30/2016 Signature: Isaac Maing

If signed by representative:
Representative's Name Isaac Maing Address 619 13th St. Suite J. Modesto, CA 95354
Telephone # (209) 284-0222
Relationship to Claimant Applicant Attorney

DIAGRAMS

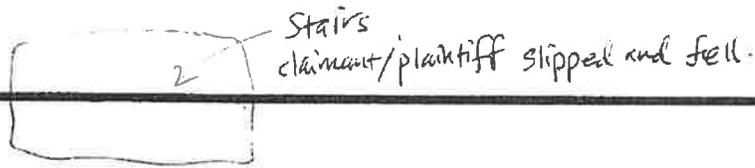
General Diagram



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Rito*

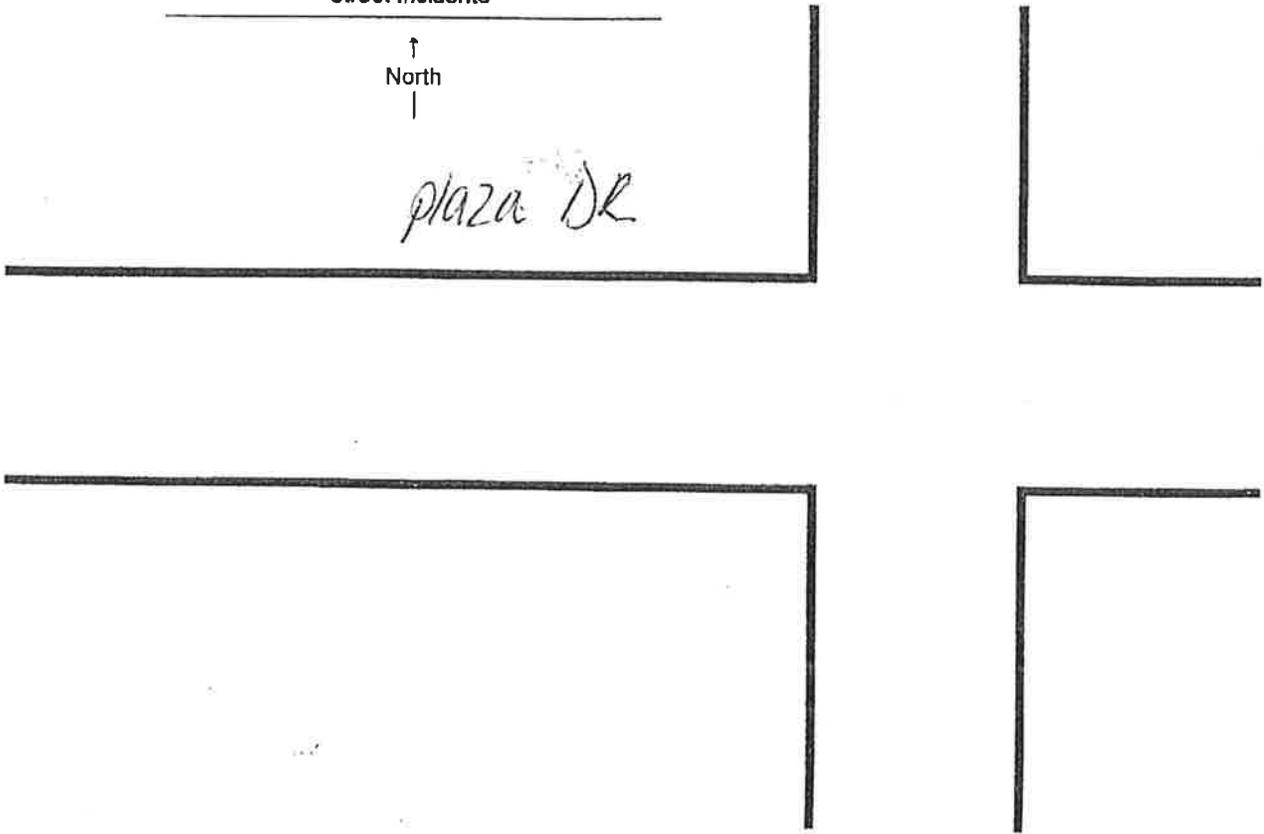
*W. Las
Palmas*



Street Incidents

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plaza DR



Ascende Law Group, P.C.
619 13th St. Suite J.
Modesto, CA 95354

UNITED STATES MAIL



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POSTAGE WILL BE PAID BY ADDRESSEE



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U.S. POSTAGE
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TURLOCK, CA
95380
MAY 16, 16
AMOUNT

\$3.77

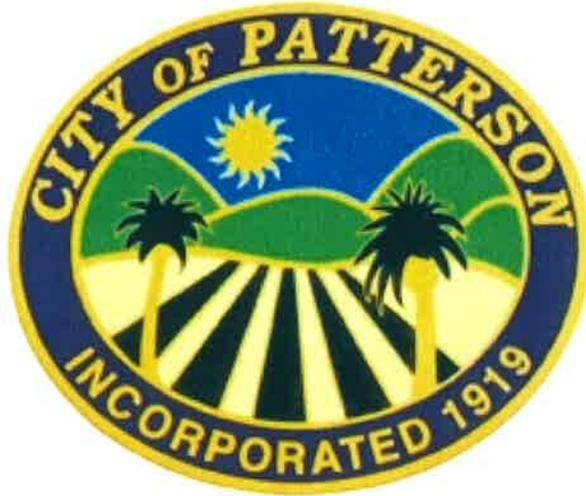
R2305M149240-03



City of Patterson
1 Plaza
Patterson, CA 95363

95363-252301





8. PRESENTATIONS AND PUBLIC HEARINGS



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the Council

FROM: Ken Irwin, City Manager 

BY: Jeff Gregory, Interim Fire Chief

MEETING DATE: June 7, 2016

ITEM NO: 8.3

SUBJECT: Authorize Staff to abate Public Nuisance, by removing Weeds, Dirt, Rubbish, and/or Rank Growth pursuant to the provisions of Ordinance No. 243 and Ordinance No. 704, as defined in Chapter 6.16 of the Patterson Municipal Code - Property Maintenance; Authorize Staff to begin bid process (Resolution No. 2016-48)

RECOMMENDATION

Authorize Staff to abate Public Nuisance, by removing Weeds, Dirt, Rubbish, and/or Rank Growth as pursuant to the provisions of Ordinance No. 243 and Ordinance No.704, as defined in Chapter 6.16of the Patterson Municipal Code.

Authorize Staff to begin the bid process utilizing licensed contractors.

BACKGROUND

The abatement of Weeds, Dirt, Rubbish and/or Rank Growth is a process the City of Patterson Fire Department conducts annually, per Ordinance, in an effort to reduce the aforementioned which may endanger or injure, or be detrimental to, or which cause substantial diminution in the value of neighboring property or endanger or injure the welfare of the residents in the vicinity of such property, or which may become a fire hazard.

This process is conducted year-round, with greater emphasis placed on abating such nuisances between May and October, where hotter, dryer conditions create a greater potential for ignition of combustible materials.

ANALYSIS

Notice has been issued to the addresses listed (see Exhibit "A") in accordance with the City Of Patterson Municipal Code, Chapter 6.16.050, which states:

6.16.050 Service of notice.

Such notices shall be given in the manner set forth in this section:

- A. The director, or such other official as may be designated by the city council, shall cause a notice or notices to be mailed by United States mail, to the owner of the subject property as shown upon any city record, or upon the last equalized assessment roll or at his last known address, whichever he shall determine to be the best means of serving notice upon the actual owner. Additionally, if the subject property address and the subject property owner's address are different, the director or other designated official shall cause a notice or notices to be mailed by United States mail to the property address. The failure of the owner to receive such notice shall not affect the power of the city or of its officers or employees to proceed as provided in this chapter.
- B. Such notice shall be mailed not less than ten days prior to the date set for a hearing upon objections as provided in Section 6.16.060 of this chapter. (Ord. 704 § 1 (part), 2008: Ord. 243 § 5, 1974).

A revised list will be provided at the City Council Meeting.

Staff is requesting approval from the City Council for the abatement. Once approved, Staff will obtain bids from licensed contractors for the removal and proceed with award of the contract to the lowest responsible bidder and bill costs occurred to the property owners.

FISCAL IMPACT

The recommended action would not directly result in an impact to the City's funds, with the exception of staff time spent on surveying the properties. All costs incurred will be recouped by the City as per the Patterson Municipal Code, Chapter 6.16.190; Assessment of costs against property-Lien.

1 , and the resolution adopted by the following roll call vote:

2 AYES:

3 NOES:

4 EXCUSED:

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APPROVED:

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Luis I. Molina, Mayor, City of Patterson

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10 ATTEST:

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Maricela L. Vela, City Clerk, City of Patterson

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I hereby certify that the foregoing is a full, correct, and true copy of a resolution passed by the City Council of the City of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June, 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATE:

City Clerk of the City of Patterson

Exhibit A
June 7, 2016

	APN	Street Address		APN	Street Address
			11	021-063-028	1442 Steel Creek Dr.
1	021-040-044	1107 Kestrel Dr.	12	021-064-017	1462 Hunter Creek Dr.
2	021-041-083	1145 Pipit Dr.	13	021-076-014	1537 Marigold Dr.
3	021-044-007	145 Heartland Ranch Dr.	14	021-085-021	2400 Keystone Pacific Pkwy.
4	021-045-023	1209 Pipit Dr.	15	047-033-037	0 N 1st St.
5	021-049-023	147 Charbray Ct.	16	047-048-007	520 Hammon Ct.
6	021-049-079	1429 Brahma St.	17	047-052-039	1016 Deer Hollow Dr.
7	021-054-046	1442 Berrendas St.	18	131-013-012	220 N 3rd St.
8	021-058-028	1347 Pinto Way	19	131-014-017	55 Salado Ave.
9	021-058-034	1352 New Forest Way	20	131-016-052	323 S. 4th St.
10	021-058-041	1324 New Forest Way			

Property Address: 1107 Kestrel Dr., Patterson, CA 95363

A.P.N: 021-040-044

Date Notified: 5/17/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1107 Kestrel Dr., Patterson, CA 95363
A.P.N: 021-040-044



Property Address: 1145 Pipit Dr., Patterson, CA 95363
A.P.N: 021-041-083
Date Notified: 5/13/16
Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 145 Heartland Ranch Pkwy., Patterson, CA 95363

A.P.N: 021-044-007

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1209 Pipit Dr., Patterson, CA 95363

A.P.N: 021-045-023

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 147 Charbray Ct., Patterson, CA 95363

A.P.N: 021-049-023

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1429 Brahma St., Patterson, CA 95363

A.P.N: 021-049-079

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1442 Berrendas St., Patterson, CA 95363

A.P.N: 021-054-046

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1347 Pinto Way, Patterson, CA 95363

A.P.N: 021-058-028

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1352 New Forest Way., Patterson, CA 95363

A.P.N: 021-058-034

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1324 New Forest Way, Patterson, CA 95363

A.P.N: 021-058-041

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1442 Steel Creek Dr., Patterson, CA 95363

A.P.N: 021-063-028

Date Notified: 5/23/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1462 Hunter Creek Dr., Patterson, CA 95363
A.P.N: 021-064-017
Date Notified: 5/13/16
Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 1537 Marigold Dr., Patterson, CA 95363

A.P.N: 021-076-014

Date Notified: 5/27/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property

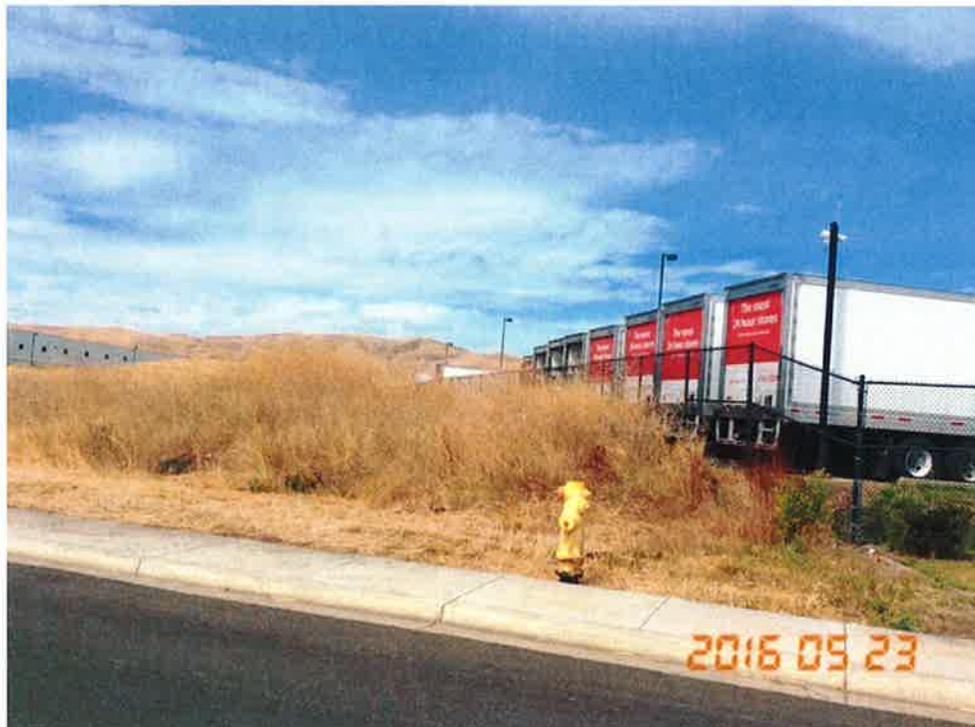


Property Address: 2400 Keystone Pacific Pkwy., Patterson, CA 95363

A.P.N: 021-085-021

Date Notified: 5/23/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 0 N 1st St., Patterson, CA 95363

A.P.N: 047-033-037

Date Notified: 5/17/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 520 Hammon Ct., Patterson, CA 95363

A.P.N: 047-048-007

Date Notified: 5/17/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 520 Hammon Ct., Patterson, CA 95363
A.P.N: 047-048-007



Property Address: 1016 Deer Hollow Ct., Patterson, CA 95363
A.P.N: 047-052-039
Date Notified: 5/13/16
Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 220 N 3rd St., Patterson, CA 95363

A.P.N: 131-013-012

Date Notified: 5/23/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 55 Salado Ave., Patterson, CA 95363

A.P.N: 131-014-017

Date Notified: 5/19/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property



Property Address: 323 S 4th St., Patterson, CA 95363

A.P.N: 131-016-052

Date Notified: 5/13/16

Violation: Remove Tall Grass, Weeds, and any Debris from Property





City of Patterson Fire Department

344 West Las Palmas Avenue
Patterson, California 95363
(209) 895-8130

NOTICE TO ABATE PUBLIC NUISANCE

5/27/2016

Property Owner(s): Occupant
1537 Marigold Dr.
Patterson, CA 95363

Violation Address: 1537 Marigold Dr., Patterson, CA 95363
Assessor's Parcel Number: 021-076-014

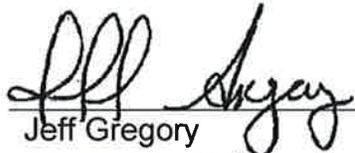
A visual inspection of your property was made and as a result of said inspection, the property has been identified as having overgrown weeds, rubbish, dirt and rank growth and other nuisances as defined in Patterson Municipal Code § 6.16.020. Property owners, agents or tenants have the responsibility to maintain properties under their control in compliance with Local and State Ordinances.

Therefore, notice is hereby given that Pursuant to the provisions of Ordinance No. 243 and Ordinance No. 704 of the City of Patterson, all weeds, rubbish, dirt and rank growth and other nuisances as defined in Patterson Municipal Code § 6.16.020 of said Ordinance, growing or existing on private property on this street or in any street or alley abutting any such property constitute a public nuisance which must be abated by the destruction or removal thereof.

All persons owning, managing or having control or charge or occupancy of any such private property shall, without delay, destroy or remove all such weeds, rubbish, dirt and/or rank growth from their property and from their half of the abutting street and alley between the lot lines, as extended, or such weeds, rubbish, dirt and/or rank growth will be destroyed or removed and such nuisance abated by city authorities, in which case the cost of destruction or removal will be assessed upon the lots and lands, from, or on which, or abutting the streets and alleys from, or on which, such nuisance was abated, and such costs will constitute a lien upon the lots or parcels until paid and will be collected on the next tax roll upon which municipal taxes are collected.

*All property owners having objections to the proposed abatement of the nuisance are hereby notified to attend a meeting of the City Council of the City of Patterson to be held on **June 7, 2016 @ 7 pm** or as soon as possible thereafter, at which time and place all objections will be heard and given due consideration.*

Please remove any and all overgrown weeds or vegetation, rubbish, dirt and or rank growth from the property before June 7, 2016. Failure to do so will result in City Council considering your property for abatement by private contractor. Any fees incurred will be billed to the property owner or a lien will be placed on the property. If you have any question regarding this matter, please call (209) 895-8130.



Jeff Gregory
Interim Fire Chief
Patterson Fire Department

NOTICE DATE: 5/27/2016
(ORD. 704 1(part), 2008: ORD. 243 4, 1974)



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *KI*

BY: Mike Willett, Director of Public Works

MEETING DATE: June 7, 2016

ITEM NO: 8.4

PUBLIC HEARING: Recommend Approval of Resolution No. 2016-44 and Resolution No. 2016-45 to Adopt the City of Patterson 2015 Urban Water Management Plan and Water Shortage Contingency Plan

RECOMMENDATION

Recommend Approval of Resolution No. 2016-44 and Resolution No. 2016-45 to Adopt the City of Patterson 2015 Urban Water Management Plan and Water Shortage Contingency Plan.

BACKGROUND

On April 15, 2014, the City Council approved a Professional Services Agreement with RMC Water and Environmental (RMC) to prepare the Water Master Plan, Groundwater Recharge Study, and the 2015 Urban Water Management Plan (UWMP). The 2015 UWMP is being prepared based on the recommended organization structure presented in the Department of Water Resources (DWR) guidebook and builds upon the previous plan developed in 2011, titled "City of Patterson – 2010 Urban Water Management Plan Update." The general provisions within the guidebook require that each urban water supplier review, make changes to, and amend its UWMP every five years. It shall include details on water demand management, city water supplies, supply reliability, and a water shortage contingency plan for drought periods. The revised UWMP will be used by the city of Patterson to outline strategies for the conservation and efficient use of water and to ensure that the citizens of Patterson have a safe and adequate water supply.

ANALYSIS

The UWMP Act has been modified over the years in response to the State's water shortages, droughts, and other factors. A significant amendment was made in 2009, after the drought of 2007-2009 and as a result of the governor's call for a statewide 20 percent reduction in urban water use by the year 2020. This is known as the Water Conservation Act of 2009, also known as SB X7-7.

This Act required agencies to establish water use targets for 2015 and 2020 that would result in savings of 20 percent by 2020 both locally in Patterson and statewide. Upon review, the city's 2020 target per capita water use was determined to be 164 gallons per capita per day (GPCD) with a 2015 target of 167 GPCD as opposed to the targets of 160 and 165 GPCD defined in the 2010 UWMP. As a result of aggressive conservation programs employed by the city in light of the statewide drought, the city's 2015 per capita water use was calculated as 139 GPCD, well below its 2015 and 2020 targets. In order to ensure that the post-drought usage bounce does not push Patterson above its 2020 target, the city will continue its comprehensive conservation program.

As required by the Act, the City Council must hold a public hearing and adopt the 2015 UWMP by June 30, 2016, and submit the adopted UWMP to the State by July 1, 2016.

The timeline for submittal is below:

Date	Activity
February 16, 2016	Stakeholder Agency Initial Notification
April 7, 2016	Notice of Public Hearing Released
April 19, 2016	City Council Discussion on Draft 2015 UWMP
April 22-May 25, 2016	Public Review and Comment Period
June 7, 2016	City Council Public Hearing to Adopt the 2015 UWMP
July 1, 2016	Submit Final 2015 UWMP to DWR

FISCAL IMPACT

There is no fiscal impact indicated by this report.

ATTACHMENTS:

- Exhibit A: 2015 Urban Water Management Plan-Final Draft
- Exhibit B: Resolution-Adoption of 2015 Urban Water Management Plan
- Exhibit C: Resolution-Adoption of Water Shortage Contingency Plan
(as included in 2015 UWMP)

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RESOLUTION NO. 2016-44

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON
ADOPTING THE 2015 URBAN WATER MANAGEMENT PLAN**

WHEREAS, the Urban Water Management Planning Act of 1983, amended through 2015, (the Act) requires that an urban water supplier serving 3,000 customers or 3,000 acre-feet per year must prepare an Urban Water Management Plan (Plan) update every five years beginning in 1985; and

WHEREAS, the city of Patterson (City), in compliance with the Act, has prepared an update to its Plan prepared in 2010; and

WHEREAS, the preparation of the Plan has been coordinated with the other public agencies to the extent practicable, and staff has encouraged the active involvement of diverse social, cultural and economic elements of the population within the City's retail water service area during preparation of the Plan; and

WHEREAS, on April 19, 2016, a Draft Plan was presented to the City Council and a Public Hearing was held during the Council meeting in order to receive public comment on the Draft Plan; and

WHEREAS, minor revisions to the Draft Plan have been made based on public comments received at the Public Hearing and during the public comment period of April 22, 2016 through May 25, 2016; and

WHEREAS, preparation and adoption of Urban Water Management Plans pursuant to the provisions of Section 10652 of the State Water Code is a statutory exemption under CEQA Guidelines Section I 5282(v); and

WHEREAS, a Final 2015 Urban Water Management Plan is today presented to the Council for consideration.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the city of Patterson that this City Council has reviewed and considered the Final 2015 Plan, and hereby adopts the Plan.

The foregoing resolution was passed by the City Council of the city of Patterson at a regular meeting held on the 7th day of June 2016, by _____, who moved its adoption, which motion was duly seconded by _____, and the resolution adopted by the following roll call vote:

AYES:
NOES:
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APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

I hereby certify that the foregoing is a full, correct and true copy of a resolution passed by the City Council of the city of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATED:

City Clerk of the City of Patterson

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RESOLUTION NO. 2016-45

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON
ADOPTING THE WATER SHORTAGE CONTINGENCY PLAN AS INCLUDED IN THE
2015 URBAN WATER MANAGEMENT PLAN.**

WHEREAS, the California Legislature Enacted Assembly Bill 11X during the 1991 Extraordinary Session of the California Legislature (an act to amend California Water Code Sections 10620, 10631, and 10652, and to add Section 10656 to the California Water Code, relating to water); and

WHEREAS, AB11X requires that every urban water supplier providing potable water directly to more than 3,000 customers or supplying more than 3,000 acre feet of water to develop a Water Shortage Contingency Plan; and

WHEREAS, AB11X mandates that said Water Shortage Contingency Plan be filed with the California Department of Water Resources by January 31, 1992; and

WHEREAS, the city of Patterson (City) is an urban water supplier providing water to more than 3,000 customers, and therefore, has prepared and filed a Water Shortage Contingency Plan, in compliance with requirements of AB11X; and

WHEREAS, the City obtains water from the Delta-Mendota Groundwater Subbasin; and

WHEREAS, the City's 2015 Urban Water Management Plan (UWMP) was approved in June 2016, and includes a Water Shortage Contingency Plan that sets forth three water conservation stages, attached hereto as Exhibit A, designed to reduce overall water usage; and

WHEREAS, public hearings have been conducted regarding the implementation of the City's Water Shortage Contingency Plan.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the city of Patterson:

1. The Water Shortage Contingency Plan is hereby implemented;
2. The City is hereby authorized (should the need arise) to declare a Water Shortage Emergency and implement the Water Shortage Contingency Plan;
3. The City shall take necessary actions to mitigate the effects on customers of the water shortage while continuing to fulfill its duties as a public utility water company.

The foregoing resolution was passed by the City Council of the city of Patterson at a regular meeting held on the 7th day of June 2016, by _____, who moved its adoption, which motion was duly seconded by _____, and the resolution adopted by the following roll call vote:

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YES:
NOES:
EXCUSED:

APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

I hereby certify that the foregoing is a full, correct and true copy of a resolution passed by the City Council of the city of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATED:

City Clerk of the City of Patterson



CITY OF
PATTERSON



**2015
Urban Water
Management Plan**

JUNE 2016



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City of Patterson 2015 Urban Water Management Plan

Final

Prepared by:



June 2016

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Table of Contents

Chapter 1	Introduction and Overview.....	1-1
1.1	Urban Water Management Planning and the California Water Code.....	1-1
1.2	UWMP Organization.....	1-2
1.3	UWMP Summary.....	1-2
Chapter 2	Plan Preparation.....	2-1
2.1	Basis for Preparing a Plan.....	2-1
2.2	Plan Adoption, Submittal, and Implementation.....	2-1
Chapter 3	System Description.....	3-1
3.1	Service Area Physical Description.....	3-1
3.2	Climate.....	3-3
3.3	Service Area Population.....	3-4
Chapter 4	System Water Use.....	4-1
4.1	Water Uses by Sector.....	4-1
4.2	Distribution System Water Losses.....	4-3
4.3	Estimating Future Water Savings.....	4-4
4.4	Water Use for Lower Income Households.....	4-5
4.5	Climate Change.....	4-5
Chapter 5	SB X7-7 Baselines and Targets.....	5-1
5.1	Updating Calculations from 2010 UWMP.....	5-1
5.2	Baseline Periods.....	5-1
5.3	Service Area Population.....	5-2
5.4	Gross Water Use.....	5-3
5.5	Baseline and Target Daily Per Capita Water Use.....	5-7
5.6	2015 Compliance Daily per Capita Water Use (GPCD).....	5-8
Chapter 6	System Supplies.....	6-1
6.1	Purchased or Imported Water.....	6-1
6.2	Groundwater.....	6-1
6.3	Surface Water.....	6-4
6.4	Stormwater.....	6-4
6.5	Wastewater and Recycled Water.....	6-4
6.6	Desalinated Water Opportunities.....	6-11
6.7	Exchanges or Transfers.....	6-11
6.8	Future Water Projects.....	6-11
6.9	Summary of Existing and Planned Sources of Water.....	6-13
6.10	Climate Change Impacts to Supply.....	6-13
Chapter 7	Water Supply Reliability Assessment.....	7-1
7.1	Constraints on Water Sources.....	7-1
7.2	Reliability by Type of Year.....	7-1
7.3	Supply and Demand Assessment.....	7-2
7.4	Regional Supply Reliability.....	7-4
Chapter 8	Water Shortage Contingency Plan.....	8-1
8.1	Stages of Action.....	8-1
8.2	Prohibitions on End Use.....	8-1
8.3	Penalties, Charges, Other Enforcement of Prohibitions.....	8-4
8.4	Consumption Reduction Methods.....	8-5
8.5	Determining Water Shortage Reductions.....	8-6

8.6	Revenue and Expenditure Impacts	8-6
8.7	Resolution or Ordinance	8-6
8.8	Catastrophic Supply Interruption.....	8-7
8.9	Minimum Supply Next Three Years.....	8-9
Chapter 9	Demand Management Measures	9-1
9.1	Demand Management Measures.....	9-1
9.2	Planned Implementation to Achieve Water Use Targets.....	9-1
Chapter 10	Plan Adoption, Submittal, and Implementation	10-1
10.1	Notice of Public Hearing	10-1
10.2	Notice to the Public	10-2
10.3	Public Hearing and Adoption	10-2
Chapter 11	References	11-1

Appendices

Appendix A -	DWR UWMP Checklist
Appendix B -	Distribution System Water Loss (AWWA Audit)
Appendix C -	Water Savings City Ordinance and Water Code Sections
Appendix D -	SB X7-7 Verification Tables
Appendix E -	DWR Population Tool Output
Appendix F -	Chromium VI Corrective Action Plan
Appendix G -	2014 Consumer Confidence Report
Appendix H -	Patterson Water Rate Structure
Appendix I -	Water Shortage Contingency Plan Resolution
Appendix J -	2013-2014 Best Management Practice Report
Appendix K -	Notification Letters
Appendix L -	Public Notice of UWMP Hearing
Appendix M -	City Council UWMP Adoption Resolution

List of Acronyms and Abbreviations

AB	Assembly Bill
Act	Urban Water Management Planning Act
AF	Acre-feet
AFY	Acre-feet per year
AWWA	American Water Works Association
BMP	Best Management Practice
CAP	Corrective Action Plan
CDP	Census designated place
City	City of Patterson
Code	Municipal Code
CUWCC	California Urban Water Conservation Council
CVP	Central Valley Project
CWC	California Water Code
DCP	Drought Contingency Plan
DDW	Department of Drinking Water
DMC	Delta-Mendota Canal
DMM	Demand Management Measure
DWR	Department of Water Resources
ET _o	Reference Evapotranspiration
°F	Degrees Fahrenheit
gpcd	Gallons per capita per day
GPU	General Plan Update
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
Guidebook	2015 UWMP Guidebook for Urban Water Suppliers
KSA	Kenneth D. Schmidt and Associates
MCL	Maximum Contaminant Level
NPWP	Non Potable Water Program
OYS	Operational Yield Study
SB	Senate Bill
SGMA	Sustainable Groundwater Management Act
SLDMWA	San Luis and Delta-Mendota Water Authority
SWP	State Water Project
TDS	Total dissolved solids
UWMP	Urban Water Management Plan
WMP	Water Master Plan
WQCF	Water Quality Control Facility
WSCP	Water Shortage Contingency Plan

Chapter 1 Introduction and Overview

The City of Patterson (City) has prepared this Urban Water Management Plan (UWMP) following California state requirements, as defined in the California Water Code. This UWMP builds upon the previous plan developed in 2011, titled “City of Patterson – 2010 Urban Water Management Plan Update.” This chapter discusses the requirement for and purpose of an UWMP and provides a summary of this plan.

1.1 Urban Water Management Planning and the California Water Code

1.1.1 Urban Water Management Planning Act (Act)

The Act was created by Assembly Bill (AB) 797 which was signed into law by Governor Deukmejian on September 21, 1983. The Act requires that urban water suppliers (i.e. municipal water suppliers providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet annually) prepare and adopt Urban Water Management Plans containing certain specified elements.

The Act was amended by AB 2661, which was signed into law by Governor Deukmejian on July 18, 1990. AB 2661 deleted the January 1, 1991 termination date specified in AB 797. AB 2661 also expanded the elements which are to be addressed in Urban Water Management Plans.

The Act was also amended by AB 1869, which was signed by Governor Wilson on October 13, 1991. AB 1869 requires that urban water suppliers update (not just review) Urban Water Management Plans every five years to include projections of both potable and recycled water use, identify current reclamation practices, address additional alternative conservation measures, and describe findings, actions, and planning related to a number of water conservation and reclamation measures.

The Act was further amended by AB 11X signed by Governor Wilson on October 13, 1991. AB 11X requires that urban water suppliers prepare an Urban Water Shortage Contingency Plan as an amendment to its Urban Water Management Plan. Water Shortage Contingency Plans must be updated every five years and specify proposed measures for response to short- and long-term water shortages.

1.1.2 Water Conservation Bill of 2009

On November 10, 2009, the state legislature passed the Water Conservation Bill of 2009 (also referred to as Senate Bill (SB) X7-7) as a water conservation component to the Delta legislative package. The bill seeks a 20 percent statewide reduction in urban per capita water use in California by December 31, 2020. SB X7-7 requires that each retail agency preparing a 2010 UWMP to calculate baseline water use as well as an interim (for 2015) and final (for 2020) water use reduction target. The methodologies used to calculate both the baseline per capita water use and targets were outlined in the Draft and Final UWMP guidelines published by the Department of Water resources (DWR) in December 2010 and March 2011, respectively. Updates to those methodologies were released with the guidelines for the 2015 UWMPs.

1.2 UWMP Organization

This UWMP was prepared based upon the recommended organization presented in the Department of Water Resources (DWR) guidebook. Chapter titles are included below and a DWR checklist including the location of all required components of the UWMP is included in Appendix A.

Chapter 1	Introduction and Overview
Chapter 2	Plan Preparation
Chapter 3	System Description
Chapter 4	System Water Use
Chapter 5	SB X7-7 Baselines and Targets
Chapter 6	System Supplies
Chapter 7	Water Supply Reliability Assessment
Chapter 8	Water Shortage Contingency Plan
Chapter 9	Demand Management Measures
Chapter 10	Plan Adoption, Submittal, and Implementation
Chapter 11	References

1.3 UWMP Summary

This UWMP builds upon the previous plan developed in 2011, titled “City of Patterson – 2010 Urban Water Management Plan Update,” and incorporates planning elements of the City’s Water Master Plan (WMP), a planning effort ongoing at the time of preparation of this document. The WMP is a comprehensive view of the water supply and demand for the City, from 2015 to buildout conditions. The City acts as a retail water provider, serving over 6,200 connections and providing more than 3,200 acre feet per year (AFY).

Patterson, located in Stanislaus County between Interstate 5 and the San Joaquin River, relies on groundwater from the Delta-Mendota Subbasin (in the San Joaquin Valley Basin) as its sole source of water. The City’s groundwater has Hexavalent Chromium (Chromium VI or Chrome 6) concentrations above a recently established Maximum Contaminant Level (MCL) standard, and has a Corrective Action Plan (CAP) in place with the California Division of Drinking Water (DDW) to get the City’s supply back in compliance with all standards. As part of the City’s current master planning efforts, its future demands have been estimated and various new water supplies have been evaluated. The City has indicated a preferred future water supply portfolio which includes additional groundwater pumping, recycled water use, stormwater capture and recharge and additional conservation. This diverse water portfolio will ensure the City’s future water supply.

Per DWR, the City reevaluated its baseline and target per capita water use values from 2010. Once the population from the 2010 UWMP was confirmed, SB X7-7 verification tables were filled out to confirm the City’s baseline and target water use. Upon review, the City’s 2020 target per capita water use was determined to be 164 gallons per capita per day (gpcd) with a 2015 target of 167 gpcd as opposed to the targets of 160 and 165 gpcd defined in the 2010 UWMP. Thanks in part to the aggressive conservation programs employed by the City in light of the statewide drought persisting at the time of writing of this report, the City’s 2015 per capita water use was calculated as 135 gpcd, well below its 2015 and 2020 targets. In order to ensure that the post-drought usage bounce does not push Patterson above its 2020 target, the City will continue its comprehensive conservation program.

Looking ahead to the City’s development and water needs, the City will be implementing the water supply plan laid out in the soon-to-be-completed WMP. This includes development of new groundwater wells, upgrading their wastewater treatment plant to produce recycled water, implementation of a stormwater capture system for a major creek and continued conservation programs. More details on the projects and implementation plan for future water supply will be available in the WMP report to be completed in 2016.

This plan includes an update to the City's Water Shortage Contingency Plan (Chapter 8) which lays the foundation for the City's response to reductions in water availability. Additionally, the City's demand management measures, which are in place regardless of water year type and supply availability, are presented in Chapter 9.

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Chapter 2 Plan Preparation

This chapter provides information on the City’s process for developing the 2015 UWMP, including efforts in coordination and outreach with other agencies in the region.

2.1 Basis for Preparing a Plan

This UWMP updates the City’s 2010 UWMP and includes all information necessary to meet the requirements of California Water Code, Division 6, Part 2.6. The City acts as an urban, retail public water system with over 6,200 connections and 3,200 AF of water supplied annually (Table 2-1).

Table 2-1: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015 (AF)
5010017	City of Patterson	6,268	3,216
TOTAL		6,268	3,216

2.2 Plan Adoption, Submittal, and Implementation

2.2.1 Planning Compliance and Reporting

The City of Patterson’s primary source of water is groundwater. The City does not provide water to any major water user outside of its service area. Patterson has prepared this UWMP individually (Table 2-2), but has notified and included stakeholders in the process as discussed in the next section.

Table 2-2: Plan Identification			
Select Only One	Type of Plan		Name of RUWMP or Regional Alliance <i>if applicable</i>
<input checked="" type="checkbox"/>	Individual UWMP		
	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)		

Information prepared for and presented in this report was prepared based on a calendar year and water volumes are presented in units of acre-feet (AF) as summarized in Table 2-3.

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables Are in Calendar Years
<input type="checkbox"/>	UWMP Tables Are in Fiscal Years
Units of Measure Used in UWMP	
Unit	Acre-Feet (AF)

2.2.2 Coordination, Outreach and Public Participation

The City encouraged public participation in the development of the 2015 UWMP and provided opportunities for public review and comment. In February 2016, the City sent out letters to its regional stakeholders to inform them of the UWMP preparation and welcome any comments or questions they might have. The stakeholders notified include Stanislaus County and all potential members of the local Groundwater Sustainability Agency. The City did not notify any wholesale supplier (Table 2-4) as it serves as its own water supplier. Additional information regarding outreach and public participation is included in Chapter 10.

Table 2-4: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with California Water Code (CWC) 10631.
Wholesale Water Supplier Name
<i>No wholesale water supplier needed to be informed.</i>

Chapter 3 System Description

This chapter provides a general description of the City of Patterson's water supply system, including a description of the service area, climate, and future projected population.

3.1 Service Area Physical Description

In 1909, the Patterson Ranch Company, led by Thomas Patterson, subdivided 18,462 acres into ranches and set in motion the design of the town of Patterson. Determined to make Patterson unique among communities of its size, he modeled his town after the radiating street designs of Washington D.C. and Paris, France, following the design of the famous French architect and engineer Pierre Charles L'Enfant. Major streets were lined with Palm, Eucalyptus and Sycamore trees. The City was incorporated in 1919.

Patterson is located in Stanislaus County on Highway 33, along the Interstate 5 corridor, 280 miles north of Los Angeles, 92 miles south of Sacramento, 89 miles southeast of San Francisco and 45 miles southeast of Livermore. The City is located between Interstate 5 to the west and the San Joaquin River to the east, sloping from southwest to northeast. The City's sphere of influence covers approximately 11.9 square miles. A map of the service area is presented in Figure 3-1.

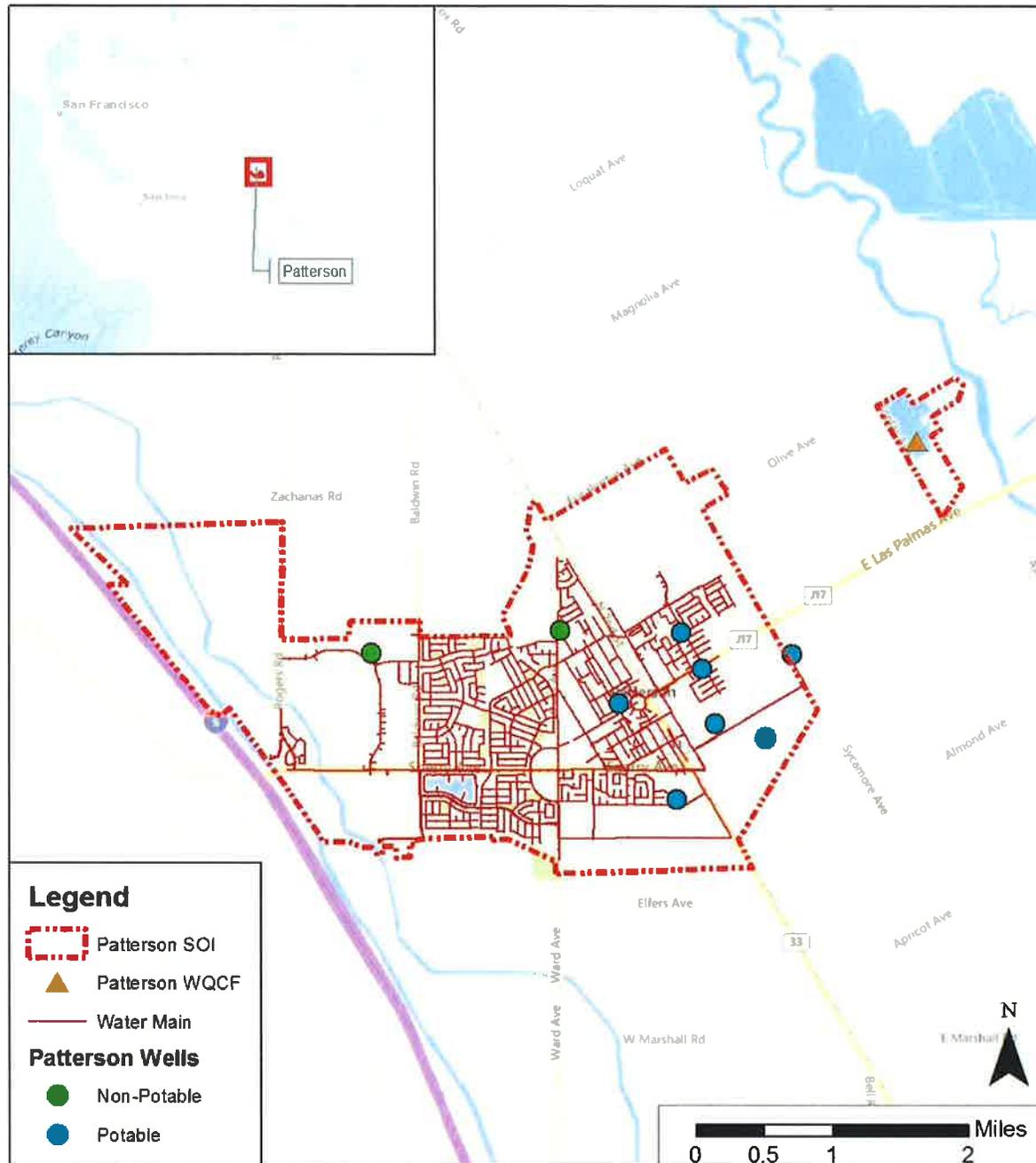
The City's service area is a mix of residential, commercial, and industrial land use embedded in a rich agricultural area. Since agriculture is the primary economic base, orchards of apricots, almonds and walnuts, as well as row crops of dry beans, tomatoes, broccoli, spinach, peas and melons have and continue to play an important role in the City's prosperity. Further proof of this comes from the city's other name, the "Apricot Capital of the World."

The City's existing potable well field is located in the eastern portion of the city between East Las Palmas Avenue, South 2nd Street and the Patterson Irrigation District Canal. The City supplies potable groundwater for residential, industrial, and commercial uses through a combination of these wells, storage tanks, and a network of piping. Each water service is equipped with a water meter for accounting and billing. The City is responsible to operate and maintain the water system up to the water meter.

As discussed in the 2010 UWMP, in 2008 the City approved a non-potable water program to use lower quality, fit-for-purpose water for irrigation of public and commercial landscaping. Similar to other California cities, public and commercial landscaping is estimated to account for as much as 25% of the City's total annual water use, and over 40% of the peak month demands. The City's Non Potable Water Program (NPWP) is ongoing. The NPWP is currently using lower quality groundwater for irrigation, but is being designed and constructed to receive recycled/reclaimed water at some point in the future. Several thousand feet of pipe have been installed, and irrigating some of the City's largest landscapes.

The City's Water Quality Control Facility (WQCF) is located to the east of the City, just north of East Las Palmas Avenue on Poplar Avenue and adjacent to the San Joaquin River.

Figure 3-1: City of Patterson Service Area Boundary



3.2 Climate

The City has cool winters, and hot, dry summers. Temperatures average 75°F annually, ranging from average winter morning lows in the upper 30's to average summer afternoon highs in the low to mid 90's. During summer months, temperatures may exceed 100°F, affecting water demands significantly. Annual rainfall averages approximately 12 inches, with most rainfall occurring between November and March. The combination of warmer temperatures and low precipitation during the summer results in peak water demands during that period. Reference evapotranspiration (ET_o) values, which serve as indicators of how much water is required to maintain healthy agriculture and landscaping, range from 1.38 inches during December to 8.72 inches in June. Temperature, rainfall and evapotranspiration averages for the City are presented in Table 3-1a.

Month	Standard Monthly Average ET _o (inches) ¹	Average Total Rainfall (inches) ²	Average Temperature (degrees Fahrenheit) ²	
			Max	Min
January	1.42	2.2	54	37
February	2.21	2.1	62	41
March	4.09	2.0	67	43
April	5.44	1.1	74	47
May	7.87	0.4	82	51
June	8.72	0.1	89	57
July	8.21	0	94	60
August	7.22	0	92	59
September	5.74	0.2	87	56
October	4.06	0.7	78	50
November	2.05	1.4	64	42
December	1.38	2.1	53	37

NOTES:

1. Monthly averages from the California Irrigation Management Information System (CIMIS) Patterson station (#161)
2. Patterson Climate: <http://www.ci.patterson.ca.us/255/Location-Climate>

3.2.1 Climate Change

Climate change will affect water management throughout California and could have significant impacts on the City of Patterson. The City is not likely to see any increased risk of flooding as would be the case for a coastal city. However, the region may experience changes in temperature and rainfall volume seasonality which could have a large impact on the San Joaquin River and other ecosystems in the region. Changes to the volume and seasonality of riverine flows may impact erosion and sedimentation and other water quality constituents in the river. These changes could impact the various migratory and endangered species in the area. The City will coordinate efforts with the County and relevant State and Federal agencies to address possible ecosystem loss and impacts to endangered species. Discussion of the City's water demand is discussed in Chapter 4 and potential impacts on the water supply is elaborated upon in Chapter 6.

3.3 Service Area Population

Currently, the City's population is approximately 21,000 residents served through about 6,300 metered connections. The City has shown steady growth over the last 10 years due to increases in commercial and industrial development. This development is expected to result in an increase of Low Density Residential development, which is intended to support complete neighborhoods with a range of housing products and a complementary range of neighborhood-serving commercial and public uses. The City's current service area population and estimated future populations through 2040 can be found in Table 3-1.

Population Served	2015	2020	2025	2030	2035	2040(opt)
	21,250	30,375	36,429	42,483	48,538	54,592
NOTES: 2015 Population from DWR population tool. 2020-2040 populations extrapolated from Housing Element estimates which utilize Census data.						

Since the City's water service area and sphere of influence are congruent, the City is a "Category 1 Water Supplier (water suppliers whose actual distribution area overlaps substantially ($\geq 95\%$) with city boundaries during baseline and compliance years), for determining current and future populations. In December, 2010, the City approved the 2010 General Plan Update (GPU), which identifies future expansion areas of the City, population estimates, land use designations, public services, etc. An updated buildout land use map was approved in 2014.¹ Build-out of the new General Plan area will take around 40 years, resulting in an estimated population of approximately 67,000 persons, and include 11,794 total acres, as summarized in Table 3-1b (Patterson, 2010).

Attributes	Total at Build-out
Dwelling Units	22,151
Population	66,673
Commercial Floor Area	12,633,175
Industrial Floor Area	17,991,605
Service	5,749,920
Jobs	32,196
Ratio of Jobs to Housing	1.45
Total Acres	11,794

¹ <http://www.ci.patterson.ca.us/145/General-PlanCity-Maps>

Chapter 4 System Water Use

Water demand projections provide the basis for planning for future supplies and infrastructure. This chapter describes the City of Patterson's current water use and water use projections through the year 2040.

4.1 Water Uses by Sector

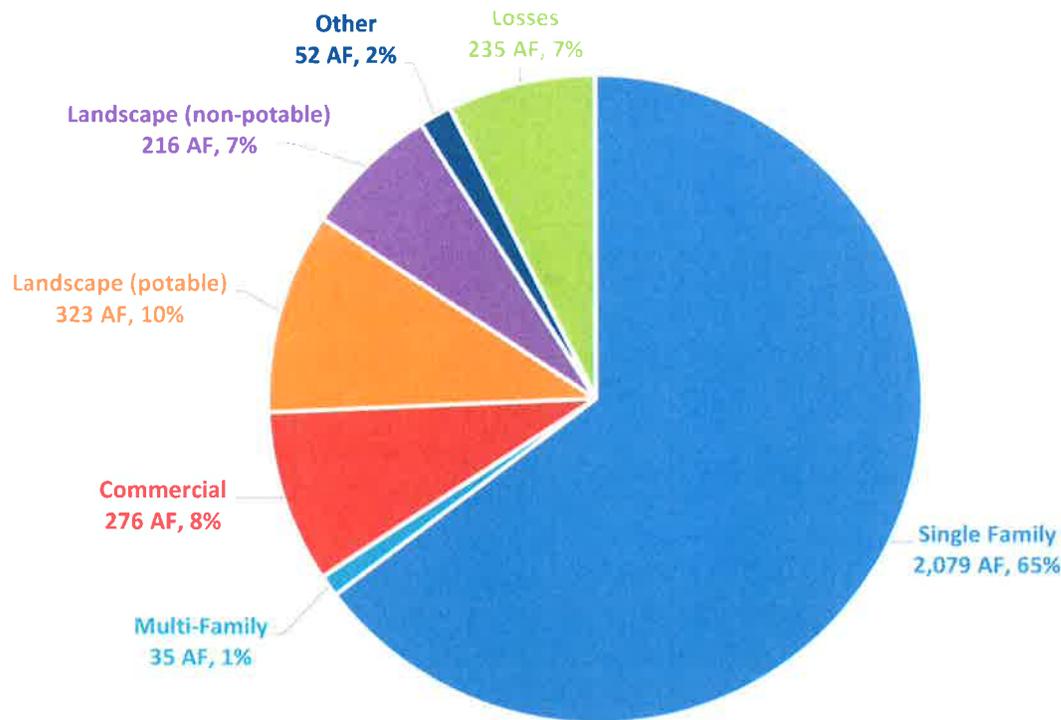
Patterson's water supply is currently limited to raw and treated groundwater as the City does not provide recycled water to any of its customers. Patterson's water demand has historically been primarily attributed to residential use, with roughly 66 percent of all water demand due to residential use. Of this 66 percent, almost all of it is attributed to single-family residences with only about one percent attributed to multi-family residences. Landscaping irrigation is the next largest water demand, with about 10 percent of all demands attributed to potable supply for landscaping and about seven percent of all demands served by shallow, raw water wells. Lastly, commercial, industrial and institutional demand accounts for about eight percent of all City demand (these demands are all listed as "Commercial" in Table 4-1). A summary of 2015 water demands in acre-feet per year can be found in Table 4-1 and a breakdown by water use is illustrated in Figure 4-1.

While the City has seen steady growth in recent years, it has not seen a large spike in water use. Aside from the effects of the drought, the reason water use lags behind population growth is that the City has an effective water conservation program. The City meters all of its services, and has an increasing tiered rate schedule to encourage efficient water use. The City has ordinances in place to discourage water waste, including odd-even watering, and penalties for irrigation "run-off." Started in 2008, the City has a program in place to replace its oldest water pipes with the highest frequency of leaks and repairs, in order to curb water loss. Distribution system water loss is addressed in the next section.

Table 4-1: Demands for Potable and Raw Water – Actual

Use Type	2015 Actual		
	Additional Description <i>(as needed)</i>	Level of Treatment When Delivered	Volume (AF)
Single Family		Drinking Water	2,079
Multi-Family		Drinking Water	35
Commercial		Drinking Water	276
Landscape		Drinking Water	323
Landscape	Shallow Aquifer (non-potable) water	Raw Water	216
Other	Unbilled water use	Drinking Water	52
Losses		Drinking Water	235
Losses	Shallow Aquifer (non-potable) water	Raw Water	n/a
TOTAL			3,216
NOTES:			
1. Commercial use includes industrial and institutional use as the City groups those three user types.			
2. Losses are estimated based on the difference between the raw water produced by the City and the metered deliveries.			

Figure 4-1: Patterson 2015 Water Use by Use Type



As discussed in Section 3.3, population growth is expected to increase with the economic rebound, resulting in steady growth across all sectors. The fraction of total demand associated with residential demand is expected to remain fairly constant through buildout, however the associated growth in the commercial and industrial sectors are projected to increase their share of water demand by about six percent by 2040. Even with City-wide growth, mandatory conservation measures associated with SB X7-7, SB 407, AB 1881, and California Green Building Code and the City's continued commitment to efficient water use will result in per capita water use reductions. These water use reductions are discussed further in Section 4.3. Table 4-2 summarizes the projected water demands in the City by use type (including demand reductions due to conservation programs and demand offsets by further implementation of non-potable sources for non-potable demands). Unlike the soon to be released WMP, the water use projections included in this UWMP include an adjustment to demand projections for 2020 to account for the gradual rebound in use from current drought-related water use levels. The WMP presents a more conservative estimate for demands in 2020 for planning and CIP development purposes.

The City's NPWP, described in Section 3.1, provides raw, lower quality groundwater for irrigation use around the City. Since its implementation, the NPWP has delivered over 200 AF of non-potable water annually. The City anticipates the installation of about 1,000 AFY of additional non-potable capacity within the next year, allowing more users to shift their landscaping demands to raw water. Additionally, the program is expected to be expanded to deliver recycled water which is discussed further in Section 6.5. Table 4-3 summarizes the projected potable and raw water demands and expected recycled water demands in the City.

Table 4-2: Demands for Potable and Raw Water - Projected

Use Type	Additional Description (as needed)	Projected Water Use				
		2020	2025	2030	2035	2040
Single Family		3,919	5,095	5,681	6,231	6,746
Multi-Family		91	152	209	275	349
Commercial		602	894	1,126	1,385	1,670
Landscape		0	0	0	0	0
Landscape	Shallow Aquifer (non-potable) water	1,302	1,302	1,302	1,302	1,302
Losses		461	614	702	789	877
Losses	Shallow Aquifer (non-potable) water	0	0	0	0	0
TOTAL (AF)		6,376	8,058	9,020	9,982	10,944

NOTES: Commercial use includes industrial and institutional use as the City groups those three user types. Non-shallow aquifer landscape water use was included in this table with zero demand to contrast the existing potable landscape demand.

Table 4-3: Total Water Demands

	2015	2020	2025	2030	2035	2040
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	3,216	6,376	8,058	9,020	9,982	10,944
Recycled Water Demand <i>From Table 6-4</i>	0	0	214	429	643	857
TOTAL WATER DEMAND (AF)	3,216	6,376	8,272	9,448	10,625	11,801

4.2 Distribution System Water Losses

Patterson's water system is entirely metered, allowing the City to more accurately track its water losses. Over the last 20 years, the City's system loss rate has been around 10 to 12 percent. As noted in the previous section, the City has implemented a plan to replace older and leakier pipes which has helped reduce the system losses. Using the American Water Works Association (AWWA) Water Audit software, the City's 2015 water loss was calculated to be approximately 235 AF (Table 4-4). This is equivalent to a seven percent loss rate, which is consistent with previous years (in fact illustrating the positive impact of the City's pipe replacement program) and is assumed as the baseline water loss for future years to improve upon. Results of the Water Audit are available in Appendix B.

Table 4-4: Water Loss Summary For Most Recent 12 Month Period	
Reporting Period Start Date	System Water Loss
January 2015	235 AF
NOTES: Based on the AWWA Water Audit and methods presented in Appendix L of the DWR Guidebook.	

4.3 Estimating Future Water Savings

In order to meet water use targets and continue striving for more efficient water use, the City anticipates an increase in water savings due to enforcement of new plumbing codes, conservation programs and increased water/sewer rates. Programs implemented during the drought to curb water use will likely have lasting impacts on the way residents use water. These lasting effect, as well as more water efficient standards for new development should result in long-lasting per capita water use reductions. The water demand projections presented in Table 4-2 accounted for these water savings measures.

The City Municipal Code (Code) contains multiple sections which require or promote water use efficiency and prohibit water waste. The Water System section of the Code (Chapter 13.24) lays out the requirements for new water connections, allowing the City to track new demands and ensure that those users are compliant with water use standards. The Water-Efficient Landscape section of the Code (Chapter 15.48) seeks to eliminate irrigation water waste by requiring City approval of the irrigation plan, which should include high efficiency sprinklers, adequate control valves (in case of leaks) and a properly planned irrigation schedule. By monitoring new water users and irrigation demands, the City can push customers towards more efficient and responsible water use which will have lasting impacts on the City's per capita water use rate. Referenced sections of the City's Code are included in Appendix C.

While not in the City Code, there are anticipated water savings from increases in the efficiency of toilets, urinals, showerheads, clothes washers, and dishwashers. New homes and businesses will install more efficient plumbing fixtures and water using appliances than is currently reflected in the existing stock upon which baseline average water use is based. Additionally, existing homes will eventually replace their current fixtures and appliances as they wear out or as part of remodeling with more efficient fixtures and appliances. Over time this will result in a predictable decline in indoor water use per dwelling unit or service meter.

Water savings associated with sections of the City Code and increases in the efficiency of plumbing fixtures and appliances were factored into the land use-based water use projections presented in Section 4.1. These water savings were implemented using methodology similar to that presented in Appendix K of DWR's UWMP Guidebook; *Estimating Future Water Savings from Adopted Codes, Standards, Ordinances, or Transportation and Land Use Plans*. Additional information on the inclusion of water savings in the future water use projections is included in the Water Master Plan, which will soon be available on the City's website.

Other water savings can be attributed to increases in the water and sewer rates. City Ordinance Number 713, passed in July 2010, established water and sewer rates. The City has plans to conduct a new study in July 2016 to determine future rate changes, which will encourage water use reductions by updating the existing tiered rate structure.

4.4 Water Use for Lower Income Households

California Water Code (CWC) Section 10631.1(a) requires suppliers to estimate projected water use for single-family and multi-family residential housing needed for lower income households, as identified in the Housing Element of the General Plan for the service area of the supplier. It does not require quantification of current water use by lower income households. According to the City's current *Housing Element 2015-2023* (Patterson, 2015), an estimated 33% of households in the City are lower-income², defined as having income below 80% of the area median income. Further, per the Housing Element, the City's Regional Housing Need Allocation for 2015 through 2023 for lower income housing is 1,044 units.

The Regional Housing Need Allocation does not break down the housing need by housing type (single-family vs. multi-family). Therefore, the projected water demand for lower income housing was conservatively estimated based on the average 2015 water demands for single-family residential customers. At 0.36 AF per household³ and 2,175 lower income household units, the projected water demand for lower income housing units is 776 AF in 2020.⁴ This estimate is considered to be conservative (higher than it actually may be) because multi-family residential housing uses less water on a per-dwelling unit than single-family housing. This demand is incorporated in overall demand projections in this UWMP by assuming lower income housing grows proportionally to City population growth.

Future Water Savings Included	Yes
Location in UWMP	Section 4.3
Lower Income Residential Demands Included	Yes

4.5 Climate Change

Climate change has the potential to impact the City's water demands. As proven by the recent statewide drought, increases in temperature and decreases in precipitation can have significant impacts on water usage. While a single year of higher temperatures often results in an increase in water demands as users act to stay cool and save irrigable vegetation, an extended period of higher temperatures and lower precipitation (a multi-year drought) would likely result in lower demands as the City implements conservation programs. An extended drought period could have lasting effects on City demands as users become accustomed to water-saving habits or conservation actions with long-term effects are implemented (such as a "cash for grass" program). Discussion of the potential effects on climate change on the City's water supply is elaborated upon in Chapter 6.

² 1,923 of 5,828 households

³ Based on 5,828 single family households with a demand of 2,079 AF in 2015.

⁴ While the current Housing Element does not include projections for low income housing through 2040, an estimate of growth in this sector can be estimated based on the projected growth of the general population. Assuming a 3.2 percent annual increase in the population of lower income residents (and a related change in lower income housing units), the projected water demand for lower income housing units is estimated to be 1,457 AF in 2040.

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Chapter 5 SB X7-7 Baselines and Targets

The Water Conservation Act of 2009 (SBX7-7) requires that water agencies reduce potable water demands 20% by 2020. The SBX7-7 legislation requires the calculation of three primary figures to determine compliance:

1. 2010 Base Daily per Capita Water Use: this provides the water use baseline against which compliance with the legislation is measured
2. 2020 Water Use Target: this is the agency's target water use by the year 2020
3. 2015 Interim Water Use Target: the mid-point between the 2010 baseline and the 2020 water use target, which is used as an interim target against which to evaluate compliance in 2015

This chapter describes the City's compliance with SB X7-7. Some of the SB X7-7 verification tables are included in this chapter and a complete set of the completed tables can be found in Appendix D.

5.1 Updating Calculations from 2010 UWMP

Requirements of SBX7-7 were addressed in City of Patterson's 2010 UWMP. Chapter 5 of the *2015 UWMP Guidebook for Urban Water Suppliers* (Guidebook) includes information about updating baselines and targets for SBX7-7 compliance. Section 5.2.2 of the Guidebook specifically requires that agencies recalculate their baseline population using final 2010 U.S. Census data. The rationale behind this requirement is that the complete 2010 U.S. Census data was not available until 2012, and therefore population projections from the 2010 UWMPs did not include complete 2010 U.S. Census figures. Section 5.4 of the Guidebook provides further clarification on service area population calculations, including methodologies for agencies whose service area boundaries correspond to a Census designated place (CDP) and for those whose boundaries do not.

Upon review, the population numbers for the City used in the 2010 UWMP are consistent with the finalized (official Census) numbers, with corrections made based on annexed regions not receiving water services in 2010. As the City's service area and boundary are congruent, the City could utilize methodology for a Census Designated Place (which requires a 95 percent mutual intersect between the service area and boundary). Therefore, the method to determine baseline populations and the resultant populations used in the 2010 UWMP for calculating the baseline and target water use are accurate. It must be noted that these populations are not consistent with those calculated by the DWR population tool (results in Appendix E). The difference in populations likely stems from the DWR Population Tool's use of Censes block data and an imprecise City service area boundary file for 2010 and the lack of an exact boundary for 1990 and 2000. The DWR population tool would result in a ten year baseline gpcd of 177 and a 2020 target gpcd of 165. The method used to determine populations in the 2010 UWMP (and adopted for this UWMP) is described in Section 5.3.

While the baseline populations have not been changed for the calculation of the baseline per capita water use numbers, the target values have been adjusted due to an error in the 2010 UWMP. This change is discussed further in Section 5.5.

5.2 Baseline Periods

The baseline periods for gross water-use were from 2001-2010 for the 10-year interval and 2006-2010 for the 5-year interval. These baseline periods were established in the 2010 UWMP and confirmed during this 2015 UWMP process. The baselines were calculated excluding the annexations of the Villages of Patterson in 2006 and the Southeast Industrial Annexation in 2010. Their populations of 115 and 38 respectively were subtracted from the City's population for the 2010 Census, as they were not yet being served potable water by the city as of 2010.

5.3 Service Area Population

The service area population for baseline calculations were determined using finalized 2000 and 2010 Census data for the City of Patterson. Using the population and number of connections in 2000 and 2010, a person-per-connection factor was determined, and then interpolated for non-Census years. This person-per-connection number was multiplied by Patterson's recorded number of connections to estimate the service/city population for baseline years. This methodology is consistent with that used in the DWR population tool, and was used in place of results from the DWR tool due to discrepancies between the Census population for Patterson and results of the tool (likely stemming from partially inaccurate historical service area boundary files and the use of Census block data as described in Section 5.1). Baseline populations are included in Table 5-1b. The population of the city of Patterson for 2015 was determined using the DWR Population Tool. The California Department of Finance's estimate of the City of Patterson's 2015 population is provided to ensure the validity of the DWR Population Tool's number. The Department of Finance estimate is for the population of the City of Patterson is 21,094. The DWR population tool estimates the service area population to be 21,250. The disparity of 156 individuals or 0.7 percent demonstrates a high level of consistency between the two methods. Due to the lack of 2015 specific Census data, the DWR population tool estimate for the City of Patterson's population was used to determine the daily per capita water use for 2015.

Table 5-1b (SB X7-7 Table 3): Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	2001	13,759
Year 2	2002	14,092
Year 3	2003	14,568
Year 4	2004	16,307
Year 5	2005	19,843
Year 6	2006	21,474
Year 7	2007	21,609
Year 8	2008	21,130
Year 9	2009	20,662
Year 10	2010	20,260
5 Year Baseline Population		
Year 1	2006	21,474
Year 2	2007	21,609
Year 3	2008	21,130
Year 4	2009	20,662
Year 5	2010	20,260
2015 Compliance Year Population		
2015		21,250
NOTES: Baseline population developed from U.S. Census data and Patterson's connection data. 2015 population number developed using DWR Population Tool.		

5.4 Gross Water Use

Over the baseline period, the City saw a steady rise in gross water use, consistent with growth and development. Water consumption decreased significantly in 2015 as the on-going drought in California continued to make conservation a top priority. Gross water use decreased from 3,869 AF in 2014 to 3,216 AF in 2015, roughly 17%. The City is not eligible for any deductions as it does not use recycled water, export water, deliver water for agricultural use or has had any changes in the distribution system storage. A summary of the water usage during the baseline years and 2015 have been included in Table 5-1c.

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Table 5-1c (SB X7-7 Table 4): Annual Gross Water Use									
	Baseline Year From SB X7-7 Table 3	Volume Into Distribution System From SB X7-7 Table 4A	Deductions					Annual Gross Water Use	
			Recycled Water	Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water From SB X7- 7 Table 4-B	Water Delivered for Agricultural Use		Process Water From SB X7-7 Table 4-D
10 to 15 Year Baseline - Gross Water Use									
Year 1	2001	2,380	0	0	0	0	0	0	2,380
Year 2	2002	3,001	0	0	0	0	0	0	3,001
Year 3	2003	2,837	0	0	0	0	0	0	2,837
Year 4	2004	2,840	0	0	0	0	0	0	2,840
Year 5	2005	3,356	0	0	0	0	0	0	3,356
Year 6	2006	4,083	0	0	0	0	0	0	4,083
Year 7	2007	4,165	0	0	0	0	0	0	4,165
Year 8	2008	4,398	0	0	0	0	0	0	4,398
Year 9	2009	3,836	0	0	0	0	0	0	3,836
Year 10	2010	3,869	0	0	0	0	0	0	3,869
10 - 15 year baseline average gross water use									
5 Year Baseline - Gross Water Use									
Year 1	2006	4,083	0	0	0	0	0	0	4,083
Year 2	2007	4,165	0	0	0	0	0	0	4,165
Year 3	2008	4,398	0	0	0	0	0	0	4,398
Year 4	2009	3,836	0	0	0	0	0	0	3,836
Year 5	2010	3,869	0	0	0	0	0	0	3,869
5 year baseline average gross water use									
2015 Compliance Year - Gross Water Use									
2015		3,216	0	0	0	0	0	0	3,216

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5.5 Baseline and Target Daily Per Capita Water Use

Although the baseline populations from the 2010 UWMP were confirmed, the target per capita water use number was determined to be understated in the 2010 UWMP. Patterson's target per capita water use number had been set based upon their minimum allowable target gpcd, however; in the 2010 UWMP, that minimum number was cited as 95 percent of the 10-year baseline as opposed to 95 percent of the 5-year baseline. Adjusting the City's maximum 2020 target gpcd (which still governs) to 95 percent of the 5-year baseline, the 2020 target can be set at 164 gpcd and its 2015 interim target will be 167 gpcd. The calculation for the City's maximum allowable target can be found in Table 5-1d, a summary of the changes in baselines and targets can be found in Table 5-1e and the targets are summarized in Table 5-1.

Table 5-1d (part of SB X7-7 Table 5): Gallons Per Capita Per Day (GPCD)				
5 Year Baseline GPCD				
Baseline Year <i>From SB X7-7 Table 3</i>		Service Area Population <i>From SB X7-7 Table 3</i>	Gross Water Use <i>From SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2006	21,474	4,083	170
Year 2	2007	21,609	4,165	172
Year 3	2008	21,130	4,398	186
Year 4	2009	20,662	3,836	166
Year 5	2010	20,260	3,869	170
5 Year Average Baseline GPCD				173
Maximum 2020 GPCD Target (95% of 5-year baseline)				164

Table 5-1e: Baselines and Targets Summary		
	2010 UWMP	2015 UWMP (Updated)
Average Baseline GPCD*	169	169
2015 Interim Target*	165	167
Confirmed 2020 Target*	160	164
*All values are in Gallons per Capita per Day (GPCD)		

Baseline Period	Start Years	End Years	Average GPCD	2015 Interim Target	Confirmed 2020 Target
10-15 year	2001	2010	169	167	164
5 Year	2006	2010	173		

5.6 2015 Compliance Daily per Capita Water Use (GPCD)

As discussed in the previous section, the 2015 target is 167 gpcd. The City's 2015 daily per capita water use number (135 gpcd) is well below their 2015 target and therefore no usage adjustments (such as weather normalization or economic adjustments) were calculated. This water usage number is also well below the City's 2020 target, though there is some usage bounce expected when the drought lets up. Even with this bounce, the City's conservation program and measures taken to reduce water use during the drought are expected to keep the daily per capita water use number below the 2020 target of 164 gpcd. A summary of the City's compliance with its 2015 target can be found in Table 5-2.

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments to 2015 GPCD					Adjusted 2015 GPCD	2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events	Economic Adjustment	Weather Normalization	TOTAL Adjustments				
135	167	0	0	0	0	135	135	Yes	

**All values are in Gallons per Capita per Day (GPCD)*

NOTES: No adjustments were included as the actual 2015 GPCD met the 2015 interim target.

Chapter 6 System Supplies

This chapter describes the current and future water supplies available to the City. The City currently uses groundwater as its sole source of water supply.

Traditional water supplies for municipal development in the Central Valley consist of groundwater and surface water. Surface water sources include local rivers, reservoirs, and state/federal water project conveyance systems. In California, all surface water is allocated, hence acquiring surface water entitlements require that the water be obtained from a current holder of the entitlement through purchase, exchange, dedication, etc. Surface waters on the west side of the Central Valley are supplied through man-made canals owned and operated by the U.S. Bureau of Reclamation (Central Valley Project (CVP)), state of California (State Water Project (SWP)), or from the San Joaquin River.

Opportunities for the delivery of water from state or federal water projects are limited for non-federal or non-state water contractors. The City is neither a state nor a federal contractor. Irrigation districts surrounding the City are federal contractors and receive water from the CVP through the Delta Mendota Canal (DMC), including areas within the City general plan boundaries (H2O Group, 2012). Some local surface water is pumped directly from the San Joaquin River by some irrigation districts, but only for irrigation since the state prohibits its use as a source for drinking water. The soon-to-be-released 2016 WMP will describe multiple water supply options considered by the City.

6.1 Purchased or Imported Water

The City does not currently purchase or import water nor does it have any plans to do so. The use of purchased or imported water was assessed during the recent Water Master Plan efforts, but it was not pursued due to many factors, including institutional complexity. For more information on the purchase/imported water options considered by the City, please refer to the 2016 Water Master Plan which will soon be available on the City's website.

6.2 Groundwater

Local groundwater from the Delta-Mendota Subbasin (in the San Joaquin Valley Basin) is the sole source of the City's production supply. The City operates nine water production wells, seven of which dedicated to potable supply and two for non-potable supply.

6.2.1 Basin Description

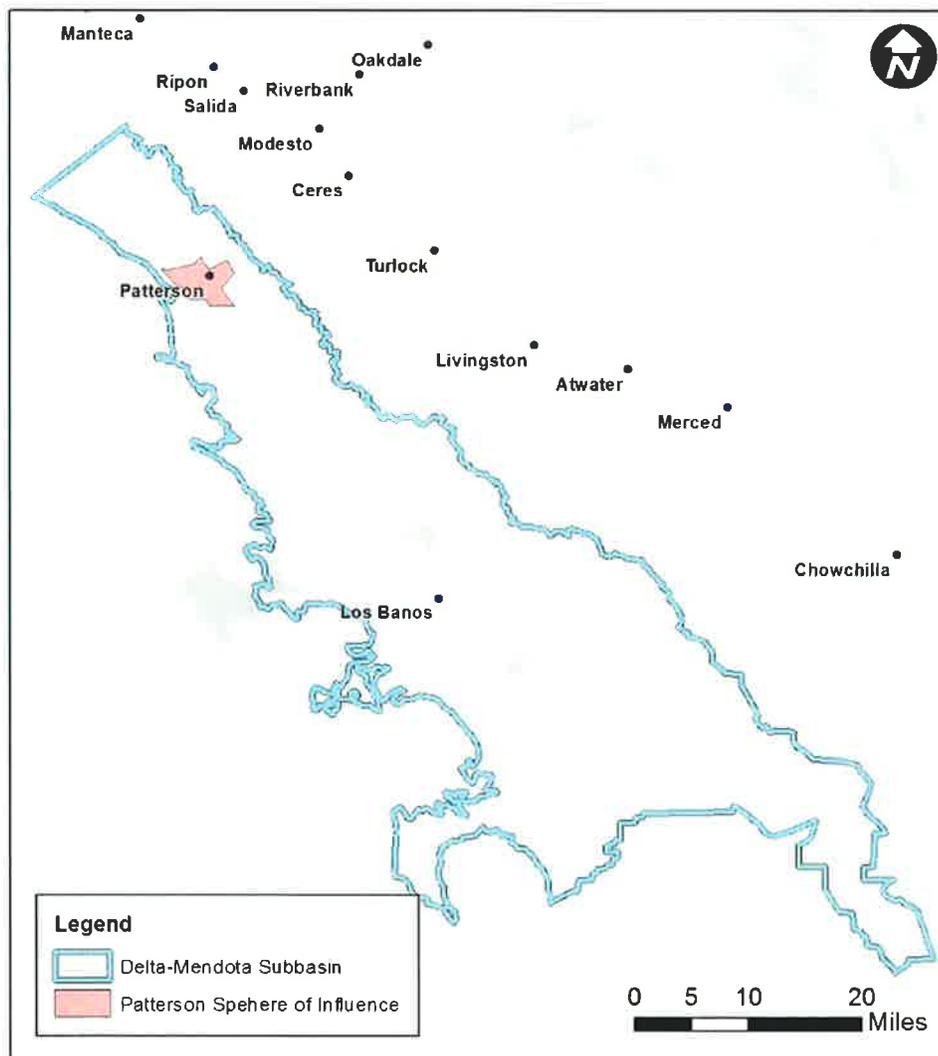
The Delta-Mendota Subbasin is approximately bounded on the west by the Coast Range, on the north by the Stanislaus/San Joaquin County line, on the east by the San Joaquin River and follows the boundary of the Tranquility Irrigation District at its southernmost reach. Groundwater studies of the local basin from 2002 through 2010, conducted by Kenneth D. Schmidt and Associates, Groundwater Consultants (KSA) based in Fresno, California, state: "*Groundwater is present in two aquifers beneath the City of Patterson ... water levels in both aquifers have apparently been relatively stable of the long term*" (KSA, 2010). The studies concluded that there are essentially two aquifers underlying the City; a lower confined zone, and an upper unconfined zone. The two aquifers are separated by the thick, semi-impermeable Corcoran Clay layer. Much of the Subbasin includes the Corcoran Clay formation, which underlies the basin at depths of about 100 to 500 feet and acts as a confining bed. The aquifers are generally quite thick in the San Joaquin Valley sub-basins, with groundwater wells commonly extending to depths of up to 800 feet to tap into the sub-Corcoran aquifer. A map of the Subbasin can be found in Figure 6-1.

KSA estimated that natural inflows to the two basins are approximately 3,500 AFY (upper) and 8,900 AFY (lower), based on basin hydraulic conductivity, transmissivity, and gradients. Additional recharge to the

upper aquifer is expected from canal seepage, percolation of applied irrigation water, and stream flow seepage. Hence, total inflow to the local basin underlying the City is upwards of 12,500 AFY (KSA, 2010).

Water quality above the clay (reachable within about 25 feet of the land surface) is suitable for non-potable use, though recent monitoring suggests that total dissolved solids (TDS) and Nitrate levels are on the rise. Water quality below the clay is generally suitable for potable use, however there are some instances of high TDS and Chrome 6 levels. Chrome 6 levels in the Subbasin had been compliant with State and Federal regulations until the California Department of Public Health (now the Division of Drinking Water) implemented stricter standards in 2014 (reducing the acceptable limit from 50 micrograms per liter to 10 micrograms per liter). The City has coordinated with the Division of Drinking Water and prepared a CAP to address Chrome 6 levels, presented in Appendix F

Figure 6-1: Delta-Mendota Subbasin



6.2.2 Groundwater Management

Since 1995 the subbasin has been managed as a part of the San Luis and Delta-Mendota Water Authority (SLDMWA), of which the City is a participating member. SLDMWA has the following management objectives (AECOM, 2011):

- Assure an affordable groundwater supply for the long term needs of the users.
- Prevent long-term depletion of groundwater resources and maintain adequate groundwater supplies for all users.
- Maintain groundwater quality to meet the long-term needs of users.
- Attempt to reduce or prevent inelastic land subsidence due to groundwater overdraft.
- Maintain general continuity between groundwater management practices and activities undertaken by the participating agencies.

SLDMWA's most recent groundwater management plan is available online.⁵

Following the passage of the Sustainable Groundwater Management Act (SGMA), the City began discussion with the members of SLDMWA regarding the formation of a Groundwater Sustainability Agency (GSA) per SGMA requirements. A GSA has not yet been finalized for the region, however since SLDMWA has been a managing agency for the basin for over 20 years, its management objectives and practices will likely be incorporated into a new SGMA-compliant Groundwater Sustainability Plan (GSP). As discussed in Section 10.1, the City chose to notify those agencies which may become a part of their GSA regarding the preparation of this plan.

6.2.3 Overdraft Conditions

Changes in groundwater levels have been monitored by DWR and various cooperators. The Delta-Mendota Subbasin was included on DWR's final list of critically overdraft basins (released January 2016). As such, the basin must be managed by a GSP no later than January of 2020. Discussed in the previous section, the basin has been managed by SLDMWA for some time, so there is already a framework in place to address basin overdraft. Additional information regarding the management of the subbasin by a GSA and GSP is expected to be available as the SGMA implementation progresses in the region.

As part of the City's master planning efforts, RMC conducted an Operational Yield Study (OYS) which built upon those estimates prepared by KSA (discussed in Section 6.2.1). The OYS estimated the volume of water that the City could pump without impacting their current groundwater pumping infrastructure and without significantly impacting the use of groundwater resources in the area surrounding Patterson's sphere of influence. Using the C2VSim numerical groundwater model for California's Central Valley, the operational yield was determined to be approximately 10,000 AFY to 12,000 AFY. This yield estimate was used for planning purposes but may need to be reassessed once additional SGMA regulations are in place. Additional information on this analysis will be included in the WMP report expected to be available in 2016.

6.2.4 Historical Pumping

While the Subbasin as a whole is overdraft, the City's pumping represents only a fraction of the pumping from the basin. The basin is drawn on by urban suppliers, agricultural users, and private wells. The City has been monitoring groundwater levels at its wells and have not noticed a significant change in groundwater elevation. That said, it is important that they comply with SGMA regulation in order to

⁵[http://www.water.ca.gov/lagrant/docs/applications/City%20of%20Patterson%20\(201209870076\)/Att03_LGA12_CityofPatterson_GWMP_2of2.pdf](http://www.water.ca.gov/lagrant/docs/applications/City%20of%20Patterson%20(201209870076)/Att03_LGA12_CityofPatterson_GWMP_2of2.pdf)

preserve groundwater as a resource. Over the last five years, the City has decreased the volume of groundwater pumped due to reduced demands during the drought (Table 6-1). The increase in water pumping from 2011 to 2013 is a common response to drought conditions, as users sought to save their irrigable landscapes thinking that the drought conditions were over or would let up soon.

In general, the City has decreased its per capita water usage as part of an ongoing conservation effort to both comply with SB X7-7 requirements and to more sustainably manage its groundwater supply. The City's implementation of a non-potable groundwater system allowed the City to reduce strain on the lower (sub-Corcoran) aquifer. As the above- and below-Corcoran aquifers are separated by the clay aquitard, they can be regarded as almost entirely independent of each other underneath the City's SOI. By shifting some of the pumping to the above-Corcoran aquifer, the City has shifted some of its demand to the more easily recharged –naturally and with conjunctive use operations and stormwater management measures– upper aquifer and put itself in a position to better manage its potable raw water source in the deep aquifer.

Supplier does not pump groundwater. The supplier will not complete the table below.						
Groundwater Type	Location or Basin Name	2011	2012	2013	2014	2015
Alluvial Basin	Delta-Mendota	3,626	4,207	4,566	4,191	3,216
TOTAL (AF)		3,626	4,207	4,566	4,191	3,216

6.3 Surface Water

The City does not currently use surface water nor does it have any plans to do so. The use of surface water was assessed during the recent Water Master Plan efforts, but it was not pursued due to regulatory complexity and high costs. For more information on the surface water options considered by the City, please refer to the 2016 WMP report expected to be available on the City's website in 2016.

6.4 Stormwater

The City does not currently recover and reuse stormwater, however it has evaluated capturing flows from nearby Del Puerto Creek to recharge its groundwater basin. Stormwater flows from the creek would be diverted to infiltration basins which would recharge either the shallow or deep aquifer (pending additional studies of the underlying geology and potential for injection to the deep aquifer). Initial estimates indicate that stormwater capture could provide approximately 1,700 AFY of water on a long-term annual average basis for groundwater recharge which could then be pumped for potable use. For more information on the surface water options considered by the City, please refer to the 2016 WMP report expected to be available on the City's website in 2016.

6.5 Wastewater and Recycled Water

The City collects and treats all wastewater within the City limits at its WQCF, where it also treats wastewater from Diablo Grande, a small community approximately 6 miles west of the City. The wastewater is collected by a gravity system that carries influent to the City wastewater plant about 2.5 miles east of the City on Poplar Avenue near the San Joaquin River.

The current treatment facility uses three treatment trains. The first is an activated sludge treatment process with an oxidation ditch and two clarifiers, the second is an advanced integrated ponds system (AIPS), and the third is an activated sludge process with an oxidation ditch and one clarifier. Excess biosolids (sludge) from the two oxidation ditches receive additional digestion in four aerobic digesters. Digested sludge is then dewatered using chemically enhanced plastic media drying beds. After treatment, the effluent is discharged to percolation ponds adjacent to the WQCF. A summary of the wastewater treated and discharge by Patterson is presented in Tables 6-2 and 6-3.

The City's wastewater treatment plant does not currently produce recycled water nor does the City import recycled water from neighboring water agencies. The City's 2010 UWMP did not anticipate recycled water use in 2015, but did project recycled water use beginning in 2025.

As part of its WMP, the City has explored implementing a recycled water program to serve non-potable irrigation demands in the service area. This would include upgrading the WQCF to become Title 22 compliant and connecting the WQCF outlet to the non-potable pipe network. Implementation of this program would likely put the City on track to begin delivery recycled water by 2025. A summary of the City's projected recycled water deliveries is presented in Table 6-4 and a comparison of its previous projections to existing use is presented in Table 6-5. For more information on the surface water options considered by the City, please refer to the 2016 WMP report expected to be available on the City's website in 2016.

6.5.1 Actions to Encourage and Optimize Future Recycled Water Use

Recycled water will continue to be a significant, reliable source of supply throughout California and can serve as a drought-proof, firm supply of water for Patterson. The City's General Plan already stipulates that all future development will be conditioned to use non-potable/recycled water for outdoor demands, including residential open space and park properties. In addition to requiring future development to include facilities for non-potable/recycled water use, the City will also need to gain support of potential local users and seek funding from local, state and federal agencies to offset the capital costs of the WQCF upgrade and recycled water distribution system. Once the WMP is finalized with the City's preferred recycled water project, the City can begin a public outreach campaign to promote recycled water use and gain local support, making the transition to recycled water use smoother. Additionally, the City can determine which funding mechanisms it will pursue and begin to fulfill the necessary permits, plans and documents. Table 6-6 summarizes the City's actions to encourage future recycled water use.

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Table 6-2: Wastewater Collected Within Service Area in 2015

<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.					
100	Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>					
100	Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>					
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated?	Volume of Wastewater Collected in 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area?	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i>
City of Patterson	Metered	1,838	City of Patterson	Patterson Wastewater Treatment Facility	Yes	No
Total Wastewater Collected from Service Area in 2015 (AF):		1,838				

Table 6-3: Wastewater Treatment and Discharge Within Service Area in 2015

<input type="checkbox"/> No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.										
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Patterson Wastewater Treatment Facility	San Joaquin River near Patterson	Discharge to river		Percolation ponds	Yes	Secondary, Undisinfected	1,838	1,838	0	0
						Total (AF)	1,838	1,838	0	0

Table 6-4: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area*

<input type="checkbox"/> Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.									
Name of Agency Producing (Treating) the Recycled Water:					City of Patterson				
Name of Agency Operating the Recycled Water Distribution System:					City of Patterson				
Supplemental Water Added in 2015					n/a				
Source of 2015 Supplemental Water					n/a				
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment	2015	2020	2025	2030	2035	2040 (opt)	
Agricultural irrigation	n/a	n/a	0	0	0	0	0	0	
Landscape irrigation (exc golf courses)	n/a	n/a	0	0	187	374	561	748	
Golf course irrigation	n/a	n/a	0	0	0	0	0	0	
Commercial use	n/a	n/a	0	0	0	0	0	0	
Industrial use	n/a	n/a	0	0	27	54	81	109	
Geothermal and other energy production	n/a	n/a	0	0	0	0	0	0	
Seawater intrusion barrier	n/a	n/a	0	0	0	0	0	0	
Recreational impoundment	n/a	n/a	0	0	0	0	0	0	
Wetlands or wildlife habitat	n/a	n/a	0	0	0	0	0	0	
Groundwater recharge (IPR)	n/a	n/a	0	0	0	0	0	0	
Surface water augmentation (IPR)	n/a	n/a	0	0	0	0	0	0	
Direct potable reuse	n/a	n/a	0	0	0	0	0	0	
Total (AF):			0	0	214	429	643	857	

IPR - Indirect Potable Reuse

* This may include use outside the UWMP area that is NOT included in another UWMP area. It is to be noted in the general description cell.

Table 6-5: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual		
<input checked="" type="checkbox"/>	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type	2010 Projection for 2015	2015 actual use
Agricultural irrigation	n/a	0
Landscape irrigation (exc golf courses)	n/a	0
Golf course irrigation	n/a	0
Commercial use	n/a	0
Industrial use	n/a	0
Geothermal and other energy production	n/a	0
Seawater intrusion barrier	n/a	0
Recreational impoundment	n/a	0
Wetlands or wildlife habitat	n/a	0
Groundwater recharge (IPR)	n/a	0
Surface water augmentation (IPR)	n/a	0
Direct potable reuse	n/a	0
Total	n/a	0

NOTES: This is City's first UWMP; thus, 2010 projections for 2015 are not applicable (n/a).

Table 6-6: Methods to Expand Future Recycled Water Use			
<input type="checkbox"/>		Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.	
		Provide page location of narrative in UWMP	
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
Secure Funding	Secure funding from local, state and federal agencies to offset capital costs	n/a	n/a
Public Outreach	Begin public outreach campaign to harbor support for recycled water use	2017	n/a
Total			n/a

6.6 Desalinated Water Opportunities

Desalination is not currently being used by the City nor is it being considered within the planning horizon of this UWMP due to the fact that there is no significant source of ocean or brackish water readily available to the City.

6.7 Exchanges or Transfers

The City does not currently participate in any water exchanges or transfers nor does it plan on participating in any within the planning horizon of this UWMP. However, the City did evaluate exchanges and transfers as part of its WMP efforts. Additional information on those supply options can be found in the 2016 WMP report expected to be available in 2016.

6.8 Future Water Projects

The City's demands are nearing the capacity of its existing wells. Within the next few years, the City will be installing a new potable and non-potable well each with a capacity of roughly 1,000 AFY in order to accommodate near term increases in demand.

The master planning effort identified the City's preferred future water supply portfolio. In addition to increased conservation efforts and the streamflow capture and recycled water use discussed in previous sections, the City is also planning on installing additional groundwater wells to meet its future demand. Based on projected demands and the results of the OYS, the City will need to install roughly 7,500 AFY of capacity (around seven new wells) by 2050. The timing of future well installations will be based on the exact timing of City-wide development and the exact number of wells will be dependent upon the capacity at the chosen well location. These future wells will provide the City with supply in both average (around 7,500 AFY) and dry years (around 6,700 to 7,500 AFY).

Also expected by 2025 is the implementation of the City's proposed stormwater capture and recharge project for Del Puerto Creek. The project would capture stormwater from the creek and recharge it to the local groundwater basin for eventual extraction and potable use. It is expected to have an average annual

yield of approximately 1,700 AFY with no contribution to supply during extended drought conditions. Additional information on this supply project can be found in the 2016 WMP report expected to be available in 2016. A summary of planned water supply projects is presented in Table 6-7.

In addition to the construction of new groundwater wells, Patterson will also be installing a system to address the Chrome 6 levels in the deep aquifer water. The treatment system will provide potable water for the City year-round, regardless of water year type. Exact plans for this treatment system will be included in the City’s Chrome 6 Feasibility Study which will be completed later this year and will be made available on the City’s website.

Table 6-7: Expected Future Water Supply Projects or Programs					
<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.				
<input checked="" type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.				
6-11	Provide page location of narrative in the UWMP				
Name of Future Projects or Programs	Joint Project with other agencies?	Description (if needed)	Planned Implementation Year	Planned for Use in Year Type	Expected Increase in Water Supply to Agency
Construction of new potable wells	No	The City has identified the need for around seven additional wells to accommodate increases in demand.	New wells will be phased in depending on rate of city-wide development	Average Year	Up to 7,500 AFY
				Single-Dry Year	Up to 7,500 AFY
				Multi-Dry Year	Up to around 6,700 AFY
Stormwater Capture System	No	Stormwater capture from Del Puerto Creek and groundwater recharge	2025	Average Year	1,700 AFY

6.9 Summary of Existing and Planned Sources of Water

Patterson currently utilizes groundwater as its sole source of both potable and non-potable water. As part of the City's master planning efforts, numerous supply options were explored and discussed. The City identified its preferred supply portfolio as one including supply from additional groundwater wells, stormwater capture, and recycled water use for irrigation. Additionally, the City will continue to achieve water savings through updated plumbing codes, fixture standards and conservation programs. Summaries of existing and projected water supplies are presented in Table 6-8 and Table 6-9, respectively. Future water supplies were set equal to the projected future demand as the demands fall within the sum of Operation Yield for groundwater use, average yield of stormwater flows and available wastewater effluent for recycled water use.

6.10 Climate Change Impacts to Supply

Climate change is likely to affect water supply and management throughout California and could have significant impacts on the City of Patterson. Changes in temperature and rainfall seasonality may impact flows in Del Puerto Creek available for stormwater capture, however those potential changes were captured in the reliability assessment of the supply option in the master planning process. Climate change will not directly affect the availability of groundwater, however the City will need to actively manage its basin (as a partner to its GSA) in order to ensure sufficient groundwater recharge and supplies.

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Table 6-8: Water Supplies — Actual			
Water Supply	Additional Detail on Water Supply	2015	
		Actual Volume	Water Quality
Groundwater	Deep Aquifer (potable)	3,000	Drinking Water
Groundwater	Shallow Aquifer (non-potable)	216	Raw Water
Total (AF)		3,216	
NOTES: Water supplies are equal to City demands			

Water Supply		Projected Water Supply Report To the Extent Practicable											
		2020		2025		2030		2035		2040			
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)		
Groundwater	Additional Detail on Water Supply Includes both treated deep aquifer water and shallow, raw water.	6,376	12,000	6,358	12,000	7,320	12,000	8,282	12,000	9,244	12,000	12,000	
Recycled Water		0	n/a	214	n/a	429	n/a	643	n/a	857	n/a	n/a	
Stormwater Use	Water is captured and infiltrated and then pumped out of aquifer	0	n/a	1,700	n/a	1,700	n/a	1,700	n/a	1,700	n/a	n/a	
Total (AF)		6,376		8,272		9,448		10,625		11,801			

NOTES: Total water supplies are equal to projected City demands.

Chapter 7 Water Supply Reliability Assessment

The section describes the overall reliability of the City of Patterson's water supplies, including constraints on the water sources and reliability in dry years.

7.1 Constraints on Water Sources

The City currently relies solely on groundwater from the Delta-Mendota Subbasin for its water supply. As discussed in Section 6, the Subbasin has been characterized as critically overdraft and must be properly managed to ensure a sustainable supply of water. In addition to the Operation Yield Study completed in 2015, KSA estimated the inflows to the local basin. Natural inflows to the two basins were estimated at 3,500 AFY (above the Corcoran Clay) and 8,900 AFY (below the clay), based on basin hydraulic conductivity, transmissivity, and gradients. Additional recharge to the upper aquifer is expected from canal seepage, percolation of applied irrigation water, and stream flow seepage. Hence, total inflow to the local basin underlying the City is upwards of 12,500 AFY (KSA, 2010). Both the KSA and OYS estimates imply that the City will have an adequate groundwater supply, however proper basin management (compliant with SGMA) must be implemented to ensure future supply.

As discussed in Section 6, the City's water supply is not in compliance with DDW Chrome 6 standards. Once the City fully implements its corrective action plan, Chrome 6 concentrations will no longer be above the current MCL. A copy of the City's 2014 Consumer Confidence Report is included in Appendix G.

7.2 Reliability by Type of Year

As mentioned in the previous section, the local groundwater basin has an estimated 12,500 AFY of annual infiltration. While the infiltration will certainly vary depending on water year type, the basin's ability to act as a large reservoir will allow it to store excess infiltration in wet years to make up for decreased infiltration in drier years. That said, the City will still push to decrease demands in dry years through various conservation measures to ensure that the groundwater supply is sufficient in the case of a prolonged drought.

Table 7-1 summarizes the City's supply availability by water year type. These numbers reflect that the available water supply will be equal to the demand projections for each potential water year type in 2040 as the City should be able to draw on the groundwater basin fulfill its demands. The average year supply is based upon demand records from 2011 to 2013 to compute a land use-based duty factor to determine the average demand in 2040. The supply in a single-dry year is expected to be equal to that of the average year, as billing records and State-wide trends indicate that there is limited water use reduction in a single dry year due to delayed reaction to the limited rainfall. The demand in the second year is also likely to remain around the average supply as the Water Shortage Contingency Plan takes effect and conservation efforts ramp up. The third year of multiple dry year cycle is likely to see a reduction of about 10 percent, based on Stage 1 of the City's Water Shortage Contingency Plan, which would increase the ability of the City to meet demands. For this reliability section, however, we have applied the unconstrained demand given that the City would be able to meet that demand with current and planned sources.

Table 7-1: Bases of Water Year Data			
Year Type	Base Year	Available supplies if year type repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume available (AF)	% of avg supply
Average Year	2011-2013	11,801	100%
Single-Dry Year	n/a	11,801	100%
Multiple-Dry Years 1st Year	n/a	11,801	100%
Multiple-Dry Years 2nd Year	n/a	11,801	100%
Multiple-Dry Years 3rd Year	n/a	11,801	100%

NOTES: Volume available has been set to the projected demand volumes in for each potential water year type in 2040 as the groundwater basin can serve as a large reservoir for the City. A single dry year will not see a decrease in demand as users and the City likely will not realize the water year type until most demands have already been met. Demands will likely decrease in subsequent dry years as the implications of decreased rainfall are realized and conservation measures are implemented, but this reliability analysis assumes full, unconstrained, demands.

7.3 Supply and Demand Assessment

The storage capabilities of the Delta-Mendota Subbasin, along with prudent basin management and City demand management measures, will allow Patterson to meet its future water demands. The preferred water supply portfolio selected for the 2016 Water Master Plan was developed to diversify City supply and meet buildout City demand. Therefore, for the supply and demand analysis, water supplies were set equal to projected water demands for all water year types even though the supply capability of the groundwater wells likely exceed the demands in the planning horizon of this UWMP. Water demand projections accounted for development in the City, water codes, ordinances and appliance standards and conservation efforts. Projections for a normal year are presented in Table 7-2, while those for a single-dry year and multiple-dry years are presented in Table 7-3 and Table 7-4, respectively.

Table 7-2: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040
Supply totals (AF)	6,376	8,272	9,448	10,625	11,801
Demand totals (AF)	6,376	8,272	9,448	10,625	11,801
Difference	0	0	0	0	0

NOTES: Assumed that the City can use the reservoir capabilities of the groundwater basin to meet its demands up to the operational yield.

Table 7-3: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals (AF)	6,376	8,272	9,448	10,625	11,801
Demand totals (AF)	6,376	8,272	9,448	10,625	11,801
Difference	0	0	0	0	0

NOTES: Assumed that the City can use the reservoir capabilities of the groundwater basin to meet its demands up to the operational yield.

Table 7-4: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals (AF)	6,376	8,272	9,448	10,625	11,801
	Demand totals (AF)	6,376	8,272	9,448	10,625	11,801
	Difference	0	0	0	0	0
Second year	Supply totals (AF)	6,376	8,272	9,448	10,625	11,801
	Demand totals (AF)	6,376	8,272	9,448	10,625	11,801
	Difference	0	0	0	0	0
Third year	Supply totals (AF)	6,376	8,272	9,448	10,625	11,801
	Demand totals (AF)	6,376	8,272	9,448	10,625	11,801
	Difference	0	0	0	0	0

NOTES: The City can use the groundwater basin to meet its demands up to the operational yield. Supplies will be supplemented by non-potable sources and stormwater recharge as described in Section 6.

7.4 Regional Supply Reliability

The Westside Stanislaus Integrated Water Resource Management Plan (finalized July 2014) describes the region's water supplies and water management practices. According to DWR, the region is heavily groundwater reliant, with groundwater accounting for about 30 percent of the annual supply used for agricultural and urban purposes in the region. Regular users of local groundwater include the City of Patterson, local irrigation districts, and private land owners, though the irrigation districts use mostly surface water, including Central Valley Project and California Aqueduct water, and rely on groundwater primarily for a backup supply.

The region has implemented and encourage a number of methods to reduce water demand and manage its water resources. Westside Stanislaus participating agencies promote urban and agricultural water use efficiency through fixture or hardware replacements, water-use tracking, evapotranspiration reduction measures, and, for urban users, plumbing and building code updates. Additionally, the region seeks to reduce conveyance losses through vigilant canal and pipeline maintenance. Aside from reducing water loss and demands, the Westside Stanislaus region also has plans in place to improve and manage water quality through collaborative projects and programs. The Westside Regional Drainage Plan lays groundwork for controlling salt loads and selenium discharges to the San Joaquin River, which could have devastating effects on the local economy. Participating agencies also promote modification of production processes to eliminate or reduce high-toxicity substances. Reducing pollution both improves water quality in the region and eliminates the cost for treatment that would be required once pollution occurs (RMC, 2014).

More information on regional water supply reliability can be found in the Westside Stanislaus IWRMP online at the website provided at the bottom of the page.⁶

⁶ <http://ca-patterson.civicplus.com/DocumentCenter/View/1433>

Chapter 8 Water Shortage Contingency Plan

This chapter describes the City’s plans for water supply shortage or catastrophic supply interruptions. The City has a reliable supply of source water, and is not vulnerable to reductions in deliveries due to the storage capabilities of its groundwater basin. That said, in the event of a water supply shortage (due to multiple dry years or some emergency interruption to the supply system), the City has in place stages of action to reduce water demands and preserve its water supply.

8.1 Stages of Action

As part of the City’s Water Shortage Contingency Plan (WSCP), the City has adopted a Drought Contingency Plan (DCP) to be implemented in the event an extended drought has an adverse impact on the local groundwater table, or during a catastrophic supply interruption. The DCP consists of three stages, progressively requiring greater reductions in water use. Implementation of the DCP is based on decreases in well water levels. For example, Stage 2 is initiated when the well water level is 140% of normal levels (if the normal water levels are 50 feet below ground surface, this trigger occurs when water levels are at 70 feet below ground surface). While the well water level is the basis for DCP stages, final determination of DCP implementation is to be decided on by the City Council, as they deem appropriate. It should be noted that the City may implement water rationing (Stage 1 or Stage 2) even during drought periods when there is no apparent impact to the water table to show support of other Central Valley communities struggling with water shortages. The triggers for each stage are summarized in Table 8-1 and the resulting actions are summarized in Table 8-2. Actions described for each stage will be implemented on top of demand management programs that the City already has in place. A complete description of the stages of action and restrictions and prohibitions on end use can be found in the next section.

Table 8-1: Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction	Water Supply Condition
1	<10%	120% of normal well water level
2	10-20%	140% of normal well water level
3	>20%	200% of normal well water level

8.2 Prohibitions on End Use

The specific rationing measures for the three stages are summarized in Table 8-2. The narrative description of the stages of action and restrictions and prohibitions on end use is provided in the following sections.

Stage 1 – Introductory Stage (Voluntary Reduction)

Stage 1 of the WSCP consists of water use restrictions and voluntary water conservation of less than or equal to 10 percent of the normal base year. As noted in Table 8-1, this stage is implemented when the water level in the City wells reaches 120 percent of normal levels, however it may also be initiated if there is significant water shortages or imposed water use restrictions in the surrounding regions.

Stage 1 includes strict enforcement of the City's water waste ordinance and a voluntary water conservation campaign on top of those programs that the City has in place year-round. During Stage 1, the City will implement a public information campaign and advocate for a number of voluntary water reduction measures as well as discourage wasteful water practices. The campaign includes billing inserts and online informational postings as well as public water conservation workshops to inform customers of the special need to conserve water due to drought conditions or any other factor which may cause a reduction in the City's water supply. Below is a list of the actions that the City will discourage in order to promote water savings for all customers during Stage 1:

1. Use of water through any meter when the city has notified the customer in writing to repair a broken or defective plumbing, sprinkler, watering or irrigation system and customer has failed to effect such repairs within 5 days after receipt of such notice.
2. Use of water which results in flooding or runoff in gutters or streets.
3. Use of water through a hose for washing cars, buses, boats, trailers, or other vehicles without a positive automatic shut-off valve on the outlet end of the hose.
4. Use of water through a hose for washing buildings, structures, sidewalks, driveways, patios, parking lots, tennis courts, or other hard-surfaced areas, except as required for sanitary or safety purposes.
5. Use of water to clean, fill or maintain levels in decorative fountains; unless such water is part of a recycling system.
6. Use of water for construction purposes, such as consolidation of backfill; unless no other source of water or other method can be used.
7. Use of water from fire hydrants except for firefighting and related activities and other uses necessary to maintain the public health, safety, and welfare.
8. Use of water for outdoor watering or irrigation between the hours of 10:00 AM and 7:00 PM.

During Stage 1, customers are also encouraged to utilize water conservation incentive and rebate programs to replace water guzzling plumbing fixtures and appliances with water efficient models; and use the information provided by the City on how to use water efficiently, read a water meter, repair ordinary leaks, and how to apply water efficiently to the landscape.

Table 8-2: Restrictions and Prohibitions on End Uses

Stage	Restrictions and Prohibitions on End Users	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement?
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner		Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
1	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water		Yes
1	Other - Prohibit use of potable water for washing hard surfaces		Yes
1	Water Features - Restrict water use for decorative water features, such as fountains		Yes
1	Other - Prohibit use of potable water for construction and dust control		Yes
1	Landscape - Limit landscape irrigation to specific times		Yes
1	Other	Water from fire hydrants are only to be used for firefighting and other uses necessary to maintain public health, safety and welfare.	Yes
2	Landscape - Prohibit certain types of landscape irrigation		Yes
2	CII - Restaurants may only serve water upon request		Yes
2	Landscape - Limit landscape irrigation to specific days	Lawns should be irrigate on certain days (assigned) and should not be irrigated more than once per month from November to February	Yes
3	Landscape - Prohibit certain types of landscape irrigation	Lawns are not to be irrigated from November to February	Yes
3	Other	Water use allocation by customer type	Yes
<p>NOTES: Enforcement for Stage 1 and 2 is as follows: 1. First offense results in a warning; 2. Second offense results in a fine of \$25; 3. Third offense results in a fine of \$50 within one year and 4. Additional offenses results in a fine of \$100 per violation and possible discontinued service (with a \$20 reconnection fee). Enforcement for Stage 3 is as follows: 1. Residential use customers may incur an excess-use penalty of \$2 per 100 cubic feet of water use in excess of the applicable water allocation for the billing period and; 2. Non-residential use customers may incur an excess-use penalty of \$4 per 100 cubic feet of water use in excess of the applicable water allocation for the billing period</p>			

Stage 2 – Mandatory Reduction

Stage 2 will be triggered by the water level in the City wells reaching 140 percent of normal levels or significant water shortages or imposed water use restrictions in the surrounding regions. Stage 2 will seek to reduce water consumption by 10 to 20 percent from base years through the use of mandatory water use restrictions and voluntary water allocations. Customers will be notified that they must eliminate many non-essential uses of water. The City will also assign target water allocations to each customer to establish ideal water use reductions, however customers will not be held to those allocations in this stage. The mandatory water use restrictions will include all of those items identified in Stage 1 in addition to those actions listed below:

1. Use of water for more than minimal landscaping in connection with any new construction.
2. Service of water by any restaurant except upon the request of a patron.
3. Person shall water on designated days according to their house address.
4. Use of water for lawn irrigation during the months of November through February

Stage 3 – Mandatory Rationing

Stage 3 will be triggered by the water level in the City wells reaching 200 percent of normal levels or significant water shortages or imposed water use restrictions in the surrounding regions. Stage 3 will implement mandatory water use restrictions and water allocations in order to reduce demand by 20 percent or more. The mandatory water use restrictions will include all of those items identified in Stages 1 and 2 in addition to those actions listed below:

1. Use of water for lawn irrigation during the months of November through February.

Water allocations shall be defined as follows:

1. Residential:
 - a. 500 to 350 gallons per day per household based on 3 persons per household and on authorizing agency's percentage reduction. 50 gallons per day will be allocated for each additional person in the household.
2. Commercial/Industrial:
 - a. 100 percent minus the City's reduction
3. Irrigation:
 - a. 100 percent minus the City's reduction
4. All other customers:
 - a. The allocation for each customer is based on the authorizing agency's percentage reduction of more than 20 percent. The percentage reduction for each customer will be based on the quantity of water used by such customer during the previous base year.
 - b. For any customer without a prior billing record, or where unusual circumstances dictate a change in allocation, the customer's monthly allocation shall be determined by the Public Works Director on the basis of usage by similar customers or on such other basis as may be fair and equitable under the circumstances.

8.3 Penalties, Charges, Other Enforcement of Prohibitions

During Stages 1 and 2 of the WSCP, violations of the water waste ordinance (Stage 1) or prohibited end uses (Stage 2) shall be penalized as follows:

1. First offense results in a warning;
2. Second offense within one year results in a fine of \$25;

3. Third offense results in a fine of \$50;
4. Additional offenses results in a fine of \$100 for each additional violation within one year for any nonessential or unauthorized uses defined in Section C above. The City, at its option may discontinue the service after the third violation after giving the customer written notice. In such latter event, a charge of \$20 shall be paid to the City as a condition to restoration of service.

During Stage 3, any customer exceeding their allotment, based on metered billing records, shall be billed and required to pay a penalty as follows:

1. For residential customers, an excess-use penalty of \$2 per 100 cubic feet of water used in excess of the applicable allocation during each billing period shall be charged by the City for all service rendered on and after the effective date of this tariff, except that such excess-use penalty shall not apply to any customer whose total consumption to date during the period this plan has been in effect does not exceed his or her total allocated usage for said period.
2. For all customers except residential an excess-use penalty of \$4 per 100 cubic feet of water used in excess of the applicable allocation during each billing period shall be charged by the City for all service rendered on and after the effective date of this tariff, except that such excess-use penalty shall not apply to any customer whole total consumption to the during the period this plan has been in effect does not exceed his or her total allocation usage for the said period.

8.4 Consumption Reduction Methods

When the WSCP is put into effect, the City will implement various consumption reduction methods depending on the stage of action. In Stage 1, the City will implement an expanded public information campaign to promote water conservation and eliminate water waste. In Stage 2, the City will provide rebates for lower water usage fixtures and landscaping. These consumption reduction methods are described below and summarized in Table 8-3.

Stage 1 will result in an expanded public information and education campaign. The City will create a bill insert with conservation information, post additional conservation information on its website and host informational sessions. The insert, online campaign and informational sessions will focus on providing a list of examples for ways consumers can reduce their water usage (such as all of the prohibited water wasting actions described in Section 8.2) and optional programs they can take part in such as home reuse of greywater, maintenance of leaks, and high efficiency fixture installation.

Once Stage 2 of the contingency plan is put into effect, the City will increase its public information campaign and initiate rebate programs for high efficiency toilets (up to \$100) and turf replacements (\$1 per square foot up to \$2,000). In order to qualify, installed toilets must have a maximum water usage of 1.28 gallons per flush and turf must be removed or replaced with drought resistant landscaping. Additionally, the City will offer free water conserving fixtures (such as aerators and low-flow shower heads). The rebates and free fixture giveaways will require applications by residents in order to qualify and receive their benefit.

The City does not currently have a drought rate structure, however one will be considered as part of the City's next rate study. Both a drought surcharge (flat fee) and volumetric charge will be considered.

Stage	Consumption Reduction Methods by Water Supplier	Additional Explanation or Reference
1	Expand Public Information Campaign	Bill insert, online information and informational sessions
2	Other	Free water conserving fixture (aerators and showerheads)
2	Provide Rebates on Plumbing Fixtures and Devices	High efficiency toilet rebates (up to \$100 for toilets with maximum flow of 1.28 gallons per flush)
2	Provide Rebates for Turf Replacement	Cash for grass rebate to replace turf with drought resistant landscaping (\$1 per square foot for 200 - 2,000 square feet)

8.5 Determining Water Shortage Reductions

As each stage of the water shortage contingency plan is implemented, the City will track water savings by monitoring City-wide water usage. The City will track water meter data—both production and usage—to determine the actual water savings made during each stage. By tracking the water usage data, the City can adjust its response to the water shortage through more aggressive savings tactics if necessary. Water use for individual accounts will also be monitored, especially under Stage 3 conditions, to ensure that demand reduction goals and mandates are being met. Comparing individual water users' demand during Stage 2 and 3 to non-shortage conditions will help the City to set and enforce water use restrictions and impose penalties if necessary.

8.6 Revenue and Expenditure Impacts

If there is cause for the implementation of the Water Shortage Contingency Plan, the City's revenue will decrease as usage decreases. The City's existing rate structure (a copy of which is included in Appendix H) includes a "flat" component to account for a significant portion of the base operational costs (i.e. labor, administration, meter reading and billing, etc.). Variable costs, such as power and chemicals, are included in the metered rate. Therefore, although reductions in water use will also reduce revenues, these reductions are expected to be manageable in the water program budget. Since the City is the sole provider of its raw water (relying only on groundwater), the City will not experience any increase in expenditures on water often associated with decreases in supply, however; the City will likely experience increases in expenditures from increased public outreach and conservation efforts (such as rebate programs).

As discussed in Section 8.4, the City does not currently have a drought rate structure but will be considering one as part of its next rate study. The City does not maintain financial reserves for severe drought scenarios so any emergency drought expenditures must be covered with existing water funds.

8.7 Resolution or Ordinance

The City has prepared a draft water shortage contingency resolution which can be found in Appendix I. In the event of a water shortage emergency, the draft resolution will be passed by the City Council.

8.8 Catastrophic Supply Interruption

The Water Code Section 10632(c) requires actions to be undertaken by the water supplier to prepare for, and implement during a catastrophic interruption of water supplies. A catastrophic event that constitutes a proclamation of a water shortage would be any event, either natural or manmade, that causes a severe shortage of water. Water shortages may result from variations in weather, natural disasters, or unanticipated situations (i.e. systems failures, acts of terror).

Scenarios causing catastrophic interruptions to the City source supply are limited due to the City's direct access to groundwater and having multiple wells in the system. The probability of an event that could leave the City without water is extremely low. Catastrophic failures of the water supply could include the following scenarios:

1. Declining Groundwater Table – Under this scenario, the groundwater table begins to show signs of overdraft. This event occurs slowly over time, and does not require immediate action on the part of the City. Trends in groundwater levels suggesting an overdraft condition will need to be addressed with long-term regional water planning and groundwater management efforts. Immediate and severe reductions in groundwater use are not required to address this scenario.
2. Loss of a Groundwater Pumping Facility – Under this scenario, a single well may go out of production due to mechanical failure, well casing failure, fire in the control building, etc. All the City wells are capable of utilizing portable or dedicated generators to operate in the event of power failure.

A well could also go out of production due to water quality issues, such as bacteriological contamination or exceeding a primary drinking water limit (MCL). The DDW requires that all public water systems maintain production to meet the highest single day demand in the past 10 years. The City complies with this requirement, so loss of any single well does not adversely impact the City's ability to meet demands. The City is also implementing a non-potable water program, allowing a well with poor water quality to be used for non-potable demands. For example, in 2007, one of the City's wells tested high in nitrates. This well has since been converted to a source for the non-potable system. The City is also planning exploring options to blend well source waters in the future to address the possibility of high primary or secondary water quality occurrences, such as TDS, nitrates, chromium, etc.

Probable events that could limit the City's ability to pump groundwater are discussed above. Widespread loss of water production due to "brown or black out" conditions, whereby electricity is lost across the area, could be mitigated with use of the numerous generators owned by the City. These types of conditions are generally very short in nature, lasting a few hours, and would not require implementation of a water shortage emergency plan. The City maintains dedicated emergency power generators at all of its potable well sites. Additionally, the City presently maintains 3.2 million gallons of storage as part of regular operations and plans to construct additional storage as system demands increase. There are no potable water systems directly adjacent to City, so opportunities for emergency interties are not available.

The other failure events are mostly isolated to an individual well facility. The longest repair duration is associated with a well casing or screen failure. Depending on the failure, it could take months to mitigate. In order to prepare for these potential catastrophic failures, the City will be constructing additional wells as the population increases to account for new demands and allow for system operational flexibility. Table 8-3a provides a summary of potential catastrophic events that could impact source production and the City plans for implementation.

Table 8-3a: Catastrophic Source Water Failures and Mitigation			
Failure Event	Probability	Duration of Outage	Mitigation
Power	High	5 minutes to 1 day	<ul style="list-style-type: none"> • On-site or mobile generators for several wells
Mechanical	Medium	1 to 10 days	<ul style="list-style-type: none"> • Maintain a spare motor(s) • On-call contract with pump repair service • Capability to operate wells manually • Spare programs for SCADA/starters • On-call contract with programmer • One redundant well in system
Control	Medium	1 hour to 10 days	
Well casing or screen	Low	1 week to 6 months	

A summary of actions for a number of catastrophic events are summarized in Table 8-3b and additional details on the City's Emergency Response Plan are included in the Public Safety Master Plan (available on the City's website⁷).

Table 8-3b: Preparation Actions for a Catastrophe	
Possible Catastrophe	Summary of Actions
Earthquake	Shut-off isolation valves and above ground use of flexible piping for ruptured mains
Floods	Shut-off isolation valves to ensure no contamination of distribution system via pipe infiltration
Toxic Spills	Shut-off isolation valves to ensure no contamination of distribution system via pipe infiltration
Fire	Storage supplies for fire flows
Power Outage or Grid Failure	Portable and emergency generators available for City, wells and treatment plant
Severe Winter Storms	Portable and emergency generators available for City, wells and treatment plant
Hot Weather	Portable and emergency generators available for City, wells and treatment plant

⁷ <http://www.ci.patterson.ca.us/documentcenter/view/637>

8.9 Minimum Supply Next Three Years

As discussed in previous sections, the City's groundwater basin should allow it to meet its water demands under any water year type. The minimum water supply for the next three years—presumed to derive entirely from the Delta-Mendota Subbasin—is presented in Table 8-4. As shown in this table, the City could supply in excess of 6,300 AFY, however conservation and other demand management measures are likely to push the demand below this figure in dry years.

Table 8-4: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	6,376	6,376	6,376

NOTES: Minimum supply is set to approximate average year demand, however demand would likely be much less in the case of a dry year.

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Chapter 9 Demand Management Measures

This chapter presents an analysis of the Demand Management Measures (DMMs) utilized by the City. A DMM is a program designed to maximize the efficient use of water and minimize water waste. Per the Guidebook:

California Urban Water Conservation Council (CUWCC) members have the option of submitting their 2013–2014 Best Management Practice (BMP) annual reports in lieu of, or in addition to, describing the DMMs in their UWMP. The option of submitting the CUWCC BMP report in lieu of describing the DMMs is only available if the supplier is in full compliance with the CUWCC's Memorandum of Understanding (MOU). The submitted reports must include documentation from the CUWCC that the supplier has met the MOU coverage requirements and is in full compliance with the MOU.

As the City is a member of the CUWCC in full compliance with the MOU, its 2013-2014 BMP report is being submitted (Appendix J) in lieu of the Sections 9.2 (*Demand Management Measures*) and 9.3 (*Implementation over the Past Five Years*) of the Guidebook. The City will also not refer to section 9.1 of the Guidebook as it applies only to water wholesalers.

9.1 Demand Management Measures

The City's DMMs (discussed in more detail in the BMP report included in Appendix J) include the following:

1. Water Waste Prevention Ordinances
2. Metering
3. Conservation Pricing
4. Public Education and Outreach
5. Programs to Assess and Manage Distribution System Real Loss
6. Water Conservation Program Coordination and Staffing Support

9.2 Planned Implementation to Achieve Water Use Targets

The City of Patterson has already met its 2020 water use target, however; the City is wary of a post-drought water use bounce. While the City has drastically reduced its water use over the last few years (from about 190 gpcd in 2013 to 139 gpcd in 2015), water use will increase once the drought lessens or lets up. The City is confident that the effects of the recently implemented DMMs and continued conservation efforts will lead to a sustained reduction in water usage.

For those customers that participated in the "Cash for Grass" or fixture replacement, their water usage will remain reduced even after the drought ends as the effects of those changes will be long-lasting. To encourage additional conservation, the City will continue its educational campaign, including tips on water saving practices and self-water meter monitoring. The City will also continue to offer various rebate and other conservation programs as needed to meet its goals.

Although the City of Patterson has an effective water conservation program, new water and building codes will require the City to implement mandatory water conserving programs. A list of mandatory conservation measures that the City is in the process of addressing include:

1. **The Water Conservation in Landscaping Act** (AB 1881, approved September 28, 2006) – This legislation mandates the adoption of a model water conserving landscaping ordinance with specific provisions for landscape design, construction, and maintenance of public and private developments (with landscapes greater than 2,500 sq. ft.) for the purpose of conserving water;
2. **2008 California Green Building Standards Code** (California Building Standards Code, Title 24, adopted July, 2008) – These changes to the California Building Code include adoption of mandatory water conservation measures for residential and non-residential development, requiring the use of water conserving building practices, including but not limited to, low-flow rate plumbing fixtures (to achieve a 20% reduction of indoor water use), and moisture sensing irrigation controllers; and
3. **Property Transfers: Replacement of Plumbing Fixtures** (SB 407, adopted October 12, 2009) – This legislation requires that all existing commercial, residential and multi-family buildings in California built before 1994 be retrofit to meet high efficiency water use standards by January 1, 2017 or 2019, depending on the type of structure.

Chapter 10 Plan Adoption, Submittal, and Implementation

The City prepared this 2015 UWMP Update during the winter of 2015 and spring of 2016. This UWMP includes the water use and planning data for the entire calendar year 2015. This chapter summarizes the City's compliance with the State's notification, adoption and submittal procedure for UWMPs.

10.1 Notice of Public Hearing

The City provided notice to the public agencies listed in Tables 10-1 and 10-1a (Stanislaus County and potential GSA partners) on February 18, 2016, fulfilling the 60 day notification requirement. Patterson provided follow up notice regarding the public hearing on March 28, 2016. Copies of the notification letters are included in Appendix K.

Table 10-1: Notification to Cities and Counties		
County Name	60 Day Notice	Notice of Public Hearing
Stanislaus County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NOTES: Stanislaus County was the only city or county that Patterson was required to notify		

Table 10-1a: (Optional) Notification to Potential GSA Partners		
Agency Name	60 Day Notice	Notice of Public Hearing
West Stanislaus Irrigation District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Del Puerto Water District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Patterson Irrigation District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Twin Oaks Irrigation District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grayson Community Services District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Crows Landing Community Services District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Eastin Water District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Oak Flat Water District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Centinella Water District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Western Hills Water District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stanislaus County, Environmental Resources	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stanislaus County, Public Works	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stanislaus County, Housing Authority	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Ceres	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Hughson	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Modesto	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Newman	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Oakdale	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Riverbank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Turlock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Waterford	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

10.2 Notice to the Public

In order to comply with Government Code 6066, the City notified the public of the UWMP preparation via a newspaper announcement, bill insert, and online posting. Copies of these notices are available in Appendix L. The public was given a 30 day review period from April 22 to May 25, 2016, during which a draft of the UWMP was available on the City's website and at City Hall.

On April 19, 2016, a presentation was made to City Council and the public to receive comments, questions and concerns from the public regarding the UWMP. This meeting provided an opportunity for the City's customers/residents and employees in the area to learn about the water supply situation and the plans for providing a reliable, safe, high-quality water supply for the future.

10.3 Public Hearing and Adoption

The City first presented an outline of UWMP at a Water Workshop for City Council on March 14, 2016. Then, just before the start of the public review period, the UWMP was presented at the City Council meeting on April 19, 2016. After the public review period and incorporation of necessary changes, a final City Council presentation was made on June 7, 2016, during which the UWMP was adopted. A copy of the resolution can be found in Appendix M. The UWMP will be submitted to DWR electronically through DWR's online submittal tool WUEdata prior to the July 1, 2016 deadline. Once submitted to DWR, a copy of the UWMP (including the Water Shortage Contingency Plan) will be provided to Stanislaus County and the California State Library within 30 days of adoption as required by California Water Code Section 10644(a). Additionally, notice will be given to potential members of the City's GSA that the UWMP has been adopted and is available to view. A copy of the adopted UWMP will be available on the City website. If the City makes any modifications or amendments to the adopted UWMP, it will go through the process of notification, public hearing, adoption, and submittal as described above for the amended plan.

Chapter 11 References

AECOM. *San Luis & Delta-Mendota Water Authority*. "Groundwater Management Plan for the Northern Agencies in the Delta-Mendota Canal Service Area." July 2011.

City of Patterson. "City of Patterson 2010 General Plan." November 2010.

City of Patterson. *Community Workshop*. "City of Patterson Housing Element Update 2015-2023," April 29, 2015.

Department of Water Resources. *Bulletin 118*. "San Joaquin Valley Groundwater Basin, Delta-Mendota Subbasin," January 2006.

H2O Group. "City of Patterson 2010 Urban Water Management Plan." July 2012.

KSA. "Groundwater Conditions in the Vicinity of the City of Patterson." June 2010.

RMC. *San Luis & Delta-Mendota Water Authority*. "Westside-San Joaquin Integrated Water Resources Plan." July 2014.

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Appendices

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Appendix A - DWR UWMP Checklist

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Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location <i>(Optional Column for Agency Use)</i>
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	Page 2-1
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	Page 2-2
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	Page 2-2 / Page 10-1
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Page 3-1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Page 3-3
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	Page 3-4
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Page 3-4
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Page 3-4
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Page 4-1
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	Page 4-3
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Page 4-5
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	Page 5-7
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and	Baselines and Targets	Chapter 5 and App E	Page 5-7

Appendix A UWMP Checklist

	compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.			
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply is the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	Page 5-7
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	Page 5-8
1608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	Page 5-8
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	n/a
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	Page 5-8
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	Page 6-13
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Page 6-1
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Page 6-3
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	Page 6-2
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	n/a
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	Page 6-3
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water	System Supplies	Section 6.2.4	Page 6-3

Appendix A UWMP Checklist

	supplier for the past five years			
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	Page 6-13
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	Page 6-11
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	Page 6-11
10631(i)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Page 6-11
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	n/a
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	n/a
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	Page 6-4
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	Page 6-4
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	Page 6-4
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	Page 6-5
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	Page 6-5
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	Page 6-5

Appendix A UWMP Checklist

10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	Page 6-5
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	Page 6-5
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	Page 7-4
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	Page 7-1
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	Page 7-1
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	Page 7-1
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	Page 7-1
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	Page 7-2
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	Page 8-1
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	Page 8-9
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	Page 8-7
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	Page 8-4
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	Page 8-4
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	Page 8-4

Appendix A UWMP Checklist

10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	Page 8-6
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	Page 8-6 / Appendix I
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	Page 8-6
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	Page 9-1 / Appendix J
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	n/a
10631(j)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	Page 9-1 / Appendix J
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	Page 10-2
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	Page 10-1
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Page 10-2
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Page 10-1

Appendix A UWMP Checklist

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	Page 10-1
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Page 10-2
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	<i>Chap 10, Submitted separately</i>
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	<i>Chap 10, Submitted separately</i>
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	<i>Chap 10, Submitted separately</i>
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	<i>Chap 10, Submitted separately</i>

Appendix B - Distribution System Water Loss (AWWA Audit)

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**AWWA Free Water Audit Software:
Reporting Worksheet**

WAS v5.0
American Water Works Association
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? Click to access definition
+ Click to add a comment

Water Audit Report for: City of Patterson (5010017)
Reporting Year: 2015 1/2015 - 12/2015

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+ ? 9	1,047.860	MG/Yr	+ ?				MG/Yr
Water imported:	+ ? n/a	0.000	MG/Yr	+ ?				MG/Yr
Water exported:	+ ? n/a	0.000	MG/Yr	+ ?				MG/Yr

WATER SUPPLIED: 1,047.860 MG/Yr

Master Meter and Supply Error Adjustments

Pcnt: Value: MG/Yr
 MG/Yr
 MG/Yr
 Enter negative % or value for under-registration
 Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Billed metered:	+ ? 10	954.310	MG/Yr
Billed unmetered:	+ ? n/a	0.000	MG/Yr
Unbilled metered:	+ ? 9	3.800	MG/Yr
Unbilled unmetered:	+ ?	13.098	MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 971.208 MG/Yr

Click here: ?
for help using option buttons below
 Pcnt: Value: MG/Yr
 1.25%

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption)

76.652 MG/Yr

Apparent Losses

Unauthorized consumption: + ? 2.620 MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+ ? 3	1.920	MG/Yr
Systematic data handling errors:	+ ? 7	2.386	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 6.925 MG/Yr

Pcnt: Value: MG/Yr
 0.25%

0.20%
 0.25% MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 69.726 MG/Yr

WATER LOSSES: 76.652 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 93.550 MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ? 6	49.0	miles
Number of <u>active AND inactive</u> service connections:	+ ? 10	6,269	
Service connection density:	? 128		conn./mile main

Are customer meters typically located at the curbside or property line? Yes (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 8 55.0 psi

COST DATA

Total annual cost of operating water system:	+ ? 5	\$132,620	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ? 9	\$1.60	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ? 6		\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 76 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Customer metering inaccuracies
- 2: Total annual cost of operating water system
- 3: Volume from own sources



AWWA Free Water Audit Software: System Attributes and Performance Indicators

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American Water Works Association,
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Water Audit Report for: **City of Patterson (5010017)**
Reporting Year: **2015** **1/2015 - 12/2015**

*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 76 out of 100 ***

System Attributes:

Apparent Losses:	6.925	MG/Yr
+	Real Losses:	69.726
=	Water Losses:	76.652
Unavoidable Annual Real Losses (UARL):		24.20
		MG/Yr
Annual cost of Apparent Losses:		\$14,813
Annual cost of Real Losses:		Valued at Customer Retail Unit Cost

Return to Reporting Worksheet to change this assumption

Performance Indicators:

Financial:	Non-revenue water as percent by volume of Water Supplied:	8.9%
	Non-revenue water as percent by cost of operating system:	150.9%
Operational Efficiency:	Apparent Losses per service connection per day:	3.03
	Real Losses per service connection per day:	30.47
	Real Losses per length of main per day*:	N/A
	Real Losses per service connection per day per psi pressure:	0.55
		gallons/connection/day gallons/connection/day gallons/connection/day/psi
From Above, Real Losses = Current Annual Real Losses (CARL):		69.73
		million gallons/year
Infrastructure Leakage Index (ILI) [CARL/UARL]:		2.88

* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline



AWWA Free Water Audit Software: User Comments

WAS v5.0
American Water Works Association
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Use this worksheet to add comments or notes to explain how an input value was calculated, or to document the sources of the information used.

General Comment:	
Audit Item	Comment
<u>Volume from own sources:</u>	This volume was taken from (7) potable and (2) non-potable wells. Production period is from 01/01/15 to 12/31/15. Total production for 2015 was 1,074,856,460 gallons.
<u>Vol. from own sources: Master meter error adjustment:</u>	
<u>Water imported:</u>	This does not apply.
<u>Water imported: master meter error adjustment:</u>	This does not apply.
<u>Water exported:</u>	This does not apply.
<u>Water exported: master meter error adjustment:</u>	
<u>Billed metered:</u>	This is the total consumption from (4) different billing classifications: residential, multi-family, irrigation, and commercial. Consumption period is from 01/01/15 to 12/31/15. Total consumption for 2015 was 954,255,016 gallons.
<u>Billed unmetered:</u>	None.
<u>Unbilled metered:</u>	The amount entered in this line item comes from construction water use. This number does not include fire hydrant flushing, well flushing, or street cleaning.
<u>Unbilled unmetered:</u>	Default option selected for unbilled unmetered - a grading of 5 is applied but not displayed.

Audit Item	Comment
<u>Unauthorized consumption:</u>	Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed.
<u>Customer metering inaccuracies:</u>	Meter company states that meters are 99.8% accurate. The City has not performed any independent tests.
<u>Systematic data handling errors:</u>	Default option selected for systematic data handling errors - a grading of 5 is applied but not displayed.
<u>Length of mains:</u>	This approximate number comes from the 2012 Water Utility Map.
<u>Number of active AND inactive service connections:</u>	This is the total number of accounts as of 12/31/15 for the (4) billing classifications: residential, multi-family, irrigation, and commercial.
<u>Average length of customer service line:</u>	Average length of customer service line has been set to zero and a data grading score of 10 has been applied (default).
<u>Average operating pressure:</u>	This is the average between all pressure zones.
<u>Total annual cost of operating water system:</u>	Based off of electricity and chemical costs, operation cost the city approximately \$40.20 for every acre-foot of water produced.
<u>Customer retail unit cost (applied to Apparent Losses):</u>	This number is the average cost per ccf based off a three tiered rate system.
<u>Variable production cost (applied to Real Losses):</u>	Customer retail unit rate cost used to value real losses.



AWWA Free Water Audit Software: Water Balance

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Water Audit Report for: **City of Patterson (5010017)**

Reporting Year: **2015**

1/2015 - 12/2015

Data Validity Score: **76**

Water Exported 0.000		Billed Water Exported		Revenue Water
Own Sources (Adjusted for known errors) 1,047.860	Authorized Consumption 971.208	Billed Authorized Consumption 954.310	Billed Metered Consumption (water exported is removed) 954.310	954.310
	Unbilled Authorized Consumption 16.898	Unbilled Metered Consumption 3.800	Billed Unmetered Consumption 0.000	Non-Revenue Water (NRW)
Water Supplied 1,047.860	Water Losses 76.652	Apparent Losses 6.925	Unbilled Unmetered Consumption 13.098	93.550
		Real Losses 69.726	Unauthorized Consumption 2.620	
			Customer Metering Inaccuracies 1.920	
			Systematic Data Handling Errors 2.386	
			Leakage on Transmission and/or Distribution Mains Not broken down	
			Leakage and Overflows at Utility's Storage Tanks Not broken down	
Water Imported 0.000		Leakage on Service Connections Not broken down		

Water Audit Report for: **City of Patterson (5010017)**
 Reporting Year: **2015**
 Data Validity Score: **76**

1/2015 - 12/2015

Show the **PERCENTAGE** of Non-Revenue Water

Show me the **COST** of Non-Revenue Water

Total Cost of NRW = \$11,081

Cost \$

Water Exported



Appendix C - Water Savings City Ordinance and Water Code Sections

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**Chapter 13.24
WATER SYSTEM**

Sections:

13.24.010 Definitions.

13.24.020 Application for regular water service where no main extension required.

13.24.030 Extension of distribution main.

13.24.040 Installation of service extensions.

13.24.050 Water meter fee.

13.24.060 Service connection—Property of city.

13.24.070 Service connection—Installation upon request of applicant.

13.24.080 Service connection—Installation by authorized employees only.

13.24.090 Meters—Required—Exceptions.

13.24.100 Meters—Installation and ownership.

13.24.110 Meters—Relocation.

13.24.120 Meters—Testing.

13.24.130 Meters—Monthly charge when not registering.

13.24.135 Connection fees.

13.24.140 Public fire protection.

13.24.150 Private fire protection services.

13.24.160 Schoolground irrigation service.

13.24.170 Temporary service.

13.24.180 Establishment and maintenance of credit.

13.24.190 Rates.

13.24.200 Billing.

- 13.24.210 Discontinuance of service.
- 13.24.220 Application for multiple services.
- 13.24.230 Separate service connections required for each premises.
- 13.24.240 Negligent waste of water.
- 13.24.250 Facilities on private property to remain property of city.
- 13.24.260 Liability for damage to city-owned facilities.
- 13.24.270 Use of service curb stop restricted.
- 13.24.290 Temporary shutdown of service.
- 13.24.300 Right of ingress and egress of city representatives.
- 13.24.310 Customer responsible for installation and maintenance of equipment.
- 13.24.320 Connection to sources of supply other than city system.
- 13.24.330 Unauthorized connection or disconnection prohibited.
- 13.24.340 Installation of evaporative-type, air-conditioning units.
- 13.24.350 Connection of refrigerating or air-conditioning equipment.
- 13.24.360 Unauthorized supplying of city water prohibited.
- 13.24.370 Bypass around meter or service prohibited.
- 13.24.380 Irrigation of private lawns restricted.
- 13.24.390 Council to provide rules and regulations.
- 13.24.400 Violation—Penalty.

13.24.010 Definitions.

For the purposes of this chapter the words set out in this section shall be defined as follows:

- A. "Cross connection" means any physical connection between the piping system from the city service and that of any other water supply that is not, or cannot be, approved as safe and potable for human consumption, whereby water from the unapproved source may be forced or drawn into the city distribution mains.
- B. "Delinquency" means the failure or omission to pay at the time or times set forth in this chapter.
- C. "Distribution mains" means water lines and streets, highways, alleys, and easements used for public and

private fire protection, and for general distribution of water.

D. "Forfeiture" means incurring a liability to pay a definite sum of money as a consequence of violating the provisions of this chapter.

E. "Owner" means the person owning the fee, or the person in whose name the legal title to the property appears, by deed duly recorded in the county recorder's office, or the person in possession of the property or building under claim of, or exercising acts of ownership over same for himself or as executor, administrator, guardian or trustee of the owner.

F. "Person" means any human being, individual, firm, company, partnership, association and private or public or municipal corporations, the United States of America, the state of California, districts and all political subdivisions, governmental agencies and mandatories thereof.

G. "Premises" means a lot or parcel of real property under one ownership, except where there are well-defined boundaries or partitions, such as fences, hedges, or other restrictions normally preventing the common use of the property by the several tenants, in which case each portion shall be deemed separate premises.

H. "Private fire protection service" means water service and facilities for building sprinkler systems, hydrants, hose reels and other facilities installed on private property for fire protection and the water available therefor.

I. "Public fire protection service" means the service and facilities of the entire water supply, storage and distribution system of the city, including the fire hydrants affixed thereto, and the water available for fire protection, excepting house service connections and appurtenances thereto.

J. "Regular water service" means the water service and facilities rendered for normal domestic purposes on a permanent basis, and the water available therefor.

K. "Service or service connection" means the pipe line and appurtenant facilities used to extend water service from a distribution main to premises. Where services are divided at the curb or property line to serve several customers, each such branch service shall be deemed a separate service.

L. "Temporary water service" means water service and facilities rendered for construction work and other uses of limited duration, and the water available therefor.

M. "Water department" means the employees of the city performing functions related to the water service, together with other duly authorized representatives. (Ord. 352 § 1, 1982).

13.24.020 Application for regular water service where no main extension required.

Before water will be supplied by the city water department to any person, firm or corporation from the distribution main of the city to water pipes on any real property, the owner or occupant of the property shall make a written application for such service and service connection upon a form provided by the city. The

information required in all instances shall include the name and address of the applicant, a description of the real property by lot number, block and tract and the official house number assigned to the premises for which water is desired, together with a statement of the applicant's relation to the property, whether as owner, occupant, lessee or otherwise. The application, when made by a person other than the owner, must be accompanied by a deposit in the sum of fifty dollars, which deposit shall be refunded upon discontinuance of the service, provided the applicant's account has not been delinquent more than fifteen days at any time in the past twelve months. An applicant who is an owner shall be required to show proof of ownership as defined in this chapter. By signing the application, the applicant shall agree to observe any department regulations now in force or hereafter adopted, related to water service and shall further agree to pay water bills promptly. An application will not be honored unless payment in full has been made for water service previously rendered to the applicant by the city. (Ord. 352 § 3, 1982).

13.24.030 Extension of distribution main.

Where an extension of the distribution main is necessary, the applicant shall enter into a written agreement for such extension and shall deposit with the city the estimated cost of such extension and the appurtenant facilities as determined by the city before construction is commenced. If the city desires to install facilities greater than are needed to meet the services demands, the cost of the excess size of the facilities shall be borne by the city unless the city council determines that the increase in size is necessary to serve the applicant. The size, type and quality of the materials, and the location of the lines shall be specified by the city and the actual construction will be done by the city or by a contractor acceptable to it, supervised and inspected by the city. All facilities shall become the property of the city. (Ord. 352 § 4, 1982).

13.24.040 Installation of service extensions.

Upon application of a bona fide applicant for services, the city will, at its own expense, furnish and install service pipes of suitable capacity for a distance of not more than sixty feet from its distribution mains to the curblin or property line of property abutting upon the public street, highway, alley, lane or road along it which already has distribution mains. The consumer, at his own expense, shall install that portion of the service inside the curb or property line. The installation shall include a shutoff valve inside the property line at a location accessible in case of emergency. The materials furnished by the consumer in construction of such service extensions will at all times be and remain the sole property of the consumer and when necessary shall be maintained and repaired by the consumer at his own expense. (Ord. 352 § 5, 1982).

13.24.050 Water meter fee.

Prior to installation of meter facilities, the applicant shall pay to the city, to pay for the cost of the meter, a meter fee which shall be retained by the city, as established by the council by resolution. The city's labor and material costs for the installation of the service line shall be in addition to the meter fee. (Ord. 684, 2007: Ord. 474 § 1, 1992: Ord. 352 § 6 (part), 1982).

13.24.060 Service connection—Property of city.

The service connection, whether located on public or private property, is the property of the city unless specifically otherwise provided, and the city reserves the right to repair, replace and maintain it, as well as to

remove it upon discontinuance of the service. (Ord. 352 § 6 (part), 1982).

13.24.070 Service connection—Installation upon request of applicant.

The city will furnish and install a service of such size and at such location as the applicant requests, provided such requests are reasonable. The service will be installed from its water distribution main to the curb-line or property line of the premises which may abut on the street, on other thoroughfares, or on the city right-of-way or easement. (Ord. 352 § 6 (part), 1982).

13.24.080 Service connection—Installation by authorized employees only.

Only duly authorized employees or agents of the city will be permitted to install a service connection from the city's main to the customer's premises. (Ord. 352 § 6 (part), 1982).

13.24.090 Meters—Required—Exceptions.

All services shall be metered, except that the city may, at its option, provide flat-rate or estimated service for:

- A. Residential, business, commercial, industrial in special situations, and irrigation service;
- B. Temporary service where water use can be readily estimated;
- C. Public and private fire protection service;
- D. Water used for street sprinkling and sewer flushing when provided for by contract;
- E. Swimming pool filling.

(Ord. 352 § 6 (part), 1982).

13.24.100 Meters—Installation and ownership.

Meters will be installed at the curb or at or near the property line, and shall be owned by the city and installed and removed at its expense. No rent or other charge will be paid by the city for a meter or other facilities, including housing and connections, located on a customer's premises. All meters will be sealed by the city at the time of installation, and no seal shall be altered or broken except by one of its authorized employees or agents. (Ord. 352 § 6 (part), 1982).

13.24.110 Meters—Relocation.

If a meter is moved for the convenience of the customer, it will be relocated at the customer's expense. Meters moved to protect the property of the city will be moved at the expense of the city. If the lateral distance which the customer desires to have the meter moved exceeds eight feet, he will be required to pay for a new service at the desired location. (Ord. 352 § 6 (part), 1982).

13.24.120 Meters—Testing.

- A. All meters will be tested prior to installation and no meter will be installed which registers more than two percent fast. No charge will be made for the test of a meter made at the request of a customer, except where a customer requests a test within six months after installation of a meter or more than once a year, in which

case the customer shall be required to deposit with the city the sum of two dollars for meters up to one inch, and three dollars and fifty cents for meters larger than one inch in size. Every meter tested at the request of a customer will be tested in the condition as found in the customer's service prior to any alteration or adjustment in order to determine the average meter error. Any deposit required under this section will be returned to the customer if the average meter error is found to be more than two percent fast.

B. The customer shall have the right to require the city to conduct such a test in the presence of the customer or in the presence of a representative of the customer. (Ord. 352 § 6 (part), 1982).

13.24.130 Meters—Monthly charge when not registering.

If a meter is found to be not registering, the charges for service shall be at the minimum monthly rate or based on the estimated consumption, whichever is greater. Such estimates shall be made from previous consumption for a comparable period, or by such other method as determined by the city, and its decision shall be final. (Ord. 352 § 6 (part), 1982).

13.24.135 Connection fees.

There is established the following fees for connection to the water system:

A. For each single-family residence, multiple family dwelling, apartment, duplex, condominium, or mobile home connected to the system, the charge shall be the following sum: \$2,282.00 per unit.

B. Such fees shall be paid by the subdivider prior to the filing of any final map or parcel map in the case of subdivisions and divisions and division of land, and at the time of issuance of a building permit in all other instances, and are nonrefundable.

C. For commercial and industrial services connected to the system, the charge shall be the following sum: \$7,079.00 per acre. (Ord. 493 § 1, 1993; Ord. 410 § 1, 1987; Ord. 367 § 1, 1984; Ord. 352 § 6A, 1982).

13.24.140 Public fire protection.

A. Fire hydrants are for use by the city or by organized fire protection agencies pursuant to contract with the city. Other parties desiring to use the fire hydrants for any person must first obtain written permission from the city manager prior to use and shall operate the hydrant in accordance with instructions issued by city. Unauthorized use of hydrants will be prosecuted according to law.

B. A charge to be determined by contract between the city and organized fire protection agencies will be imposed for hydrant maintenance and water used for public fire protection.

C. When a fire hydrant has been installed in the location specified by the proper authority, the city has fulfilled its obligation. If a property owner or other party desires a change in the size, type or location of the hydrant, he shall bear all costs of such changes, without refund. Any change in the location, type or size of a fire hydrant must be approved by the proper authority. (Ord. 352 § 7, 1982).

13.24.150 Private fire protection services.

A. The applicant for private fire protection service not now installed shall pay the entire cost of installation of the service from the distribution main to the customer's premises, to include the necessary fittings, valves, pipe, vault, if necessary, and detector check valve or similar device to indicate the use of water, said installation to become the property of the city. The minimum diameter for a fire sprinkler service shall be two inches and the maximum diameter of the main to which the service is attached.

B. The customer's installation beyond the city's detector check valve, or similar device, must be such as to effectively separate the fire sprinkler system from that of the customer's regular water service. There shall be no cross connection made unless specific approval by the city is granted, and then such any cross-connection shall be made only under the supervision of the city. Any such unauthorized cross-connection may be the grounds for immediate disconnection of the sprinkler service without liability to the city.

C. Any unauthorized use of water, other than for fire extinguishing purposes may be the grounds for the immediate disconnection of the service without liability to the city.

D. The monthly rates for nonmetered fire protection service shall be:

Size of Service (in inches)	Monthly Charge
2	\$ 4.80
4	7.20
6	10.60
8	16.50

E. The city assumes no responsibility for loss or damage due to lack of water or pressure, and merely agrees to furnish such quantities and pressures as are available in its general distribution system. The service is subject to shutdowns and variations required by the operation of the system. (Ord. 352 § 8, 1982).

13.24.160 Schoolground irrigation service.

Service shall be furnished for schoolground irrigation when water is used only during the hours between ten p.m. and six a.m. The city may, at its option, install two or more meters or two or more service connections for service to schoolgrounds. Service connections or such modifications as are necessary for the benefit of the customer shall be at the cost of the customer and not subject to refund. Installation of distribution mains of adequate size to serve the schoolground irrigation system, in addition to all other normal service, if needed, shall be at the cost of the customer and not subject to refund. The installation shall be by the city. (Ord. 352 § 9, 1982).

13.24.170 Temporary service.

A. The city may, if no undue hardship will result to existing customers, furnish temporary service. The applicant shall deposit in advance the estimated cost of installing and removing facilities necessary to furnish the service. Upon discontinuance of service, the actual cost shall be determined and an adjustment made as

an additional charge, refund or credit.

B. All facilities for temporary service to the customer connection shall be made by the city and shall be operated in accordance with its instructions.

C. The customer shall use all possible care to prevent damage to the meter or to any other loaned facilities of the city which are involved in furnishing the temporary service from the time they are installed until they are removed, or until forty-eight hours' notice in writing has been given to the city that the contractor or other person is through with the meter or meters and the installation. If the meter or other facilities are damaged, the cost of making repairs shall be paid by the customer.

D. If temporary service is supplied through a fire hydrant, a permit for the use of the hydrant shall be obtained from the proper authority. It is specifically prohibited to operate the valve of any fire hydrant other than by the use of a spanner wrench designed for this purpose.

E. Tampering with any fire hydrant for the unauthorized use of water therefrom, or for any other purpose, is a misdemeanor, punishable by law.

F. The rates, charges and conditions for temporary service will be the same as those prescribed for permanent service except as are herein otherwise provided.

G. The applicant shall pay the estimated cost of service in advance or shall be otherwise required to establish credit.

H. Temporary service connections shall be discontinued and terminated within six months after installation unless an extension of time is granted in writing by the city. (Ord. 352 § 10, 1982).

13.24.180 Establishment and maintenance of credit.

Each applicant for service shall establish and maintain credit to the satisfaction of the city before service will be rendered in amounts and on such terms and conditions as provided by rules and regulations adopted by the city. (Ord. 352 § 11, 1982).

13.24.190 Rates.

The following schedule of rates and compensation is fixed and established as the rates and compensation to be charged and collected by the city for water service:

A. Water Quantity Rates.

1. Current Tiers.

	Same for Both Residential and Commercial	FY 09/10
Tier 1:	0 to 3 ccf	\$1.02

Tier 2:	3.1 to 70 ccf	\$1.32
Tier 3:	Over 70 ccf	\$2.46

2. New Tiers. To encourage water conservation and better distribute water sales among the rate tiers, the new tier structure includes four tiers. The rate structure is designed to minimize the impact on residential customers who use low to average consumption.

Same for Both Residential and Commercial		Effective 01/01/11	Effective 01/01/12	Effective 01/01/13	Effective 01/01/14	Effective 01/01/15
Tier 1:	0 to 3 ccf	\$1.06	\$1.10	\$1.14	\$1.19	\$1.24
Tier 2:	3.1 to 20 ccf	\$1.37	\$1.42	\$1.48	\$1.54	\$1.60
Tier 3:	20.1 to 50 ccf	\$1.67	\$1.74	\$1.81	\$1.88	\$1.96
Tier 4:	Over 50 ccf	\$2.36	\$2.45	\$2.55	\$2.65	\$2.76

B. Water Service Charge. The water service charge varies by meter size based on equivalent meter ratios. The current meter ratios are lower than industry standards. The updated meter ratios are based on standards recommended by the American Water Works Association (AWWA) and will be phased in over the five-year period.

FY	Effective 2009/10	Effective 01/01/11	Effective 01/01/12	Effective 01/01/13	Effective 01/01/14	Effective 01/01/15
For 5/8 inch meter	\$ 9.08	\$ 9.44	\$ 9.82	\$10.21	\$10.62	\$11.04
For 3/4 inch meter	\$ 9.08	\$ 9.44	\$ 9.82	\$10.21	\$10.62	\$11.04
For 1 inch meter	\$12.20	\$12.69	\$13.20	\$13.73	\$14.28	\$14.85
For 1-1/2 inch meter	\$15.94	\$15.10	\$15.70	\$16.33	\$16.98	\$17.66
For 2 inch meter	\$21.91	\$23.16	\$24.48	\$25.86	\$27.33	\$28.70
For 3 inch meter	\$39.45	\$51.78	\$65.05	\$79.28	\$94.57	\$110.40

For 4 inch meter	\$53.34	\$68.29	\$84.40	\$101.63	\$120.16	\$140.21
For 6 inch meter	\$90.70	\$111.48	\$133.84	\$157.73	\$183.40	\$210.86
For 8 inch meter	\$131.49	\$159.17	\$188.95	\$220.75	\$254.89	\$291.46

C. School Grounds Irrigation Service: as above, less twenty-five percent. The service charge is a readiness-to-serve charge which is applicable to all metered service and to which is to be added the monthly charge computed at the quantity rates, only when irrigating at low peak hours, from eleven o'clock p.m. to six o'clock a.m.

D. Surcharge: The purpose of the surcharge is to generate sufficient revenue to repay the annual debt of the Safe Drinking Water Bond Act Loan. It shall be separately identified on the monthly bill.

E. All unpaid charges, penalties and fees shall be a lien upon the real property to which water service was provided.

F. The monthly rate to be paid for the use of city water for property outside the city shall be twice the rates provided for the use of water within the city; provided, however, that prior to such service being furnished outside the city, the property owner shall execute an agreement with the city setting forth the terms and conditions of such service.

G. The provisions of this chapter shall not prohibit the city council from entering into contracts with a business, industry or governmental agency to supply water, water service and all things pertaining to the furnishing of water to such agencies at rates set forth in such agreement, which rates may be different from those set forth in this chapter.

H. Each year, in connection with the adoption of the budget for the next succeeding fiscal year, the city council shall review the rates, fees and charges established in this section and if it is determined that an increase is needed, the city council shall adopt such increase for water service(s) by resolution. (Ord. 713, 2010; Ord. 609, 2000; Ord. 474 § 2, 1992; Ord. 352 § 12, 1982).

13.24.200 Billing.

A. The regular billing period will be monthly or bimonthly at the option of the city council.

B. Opening and closing bills for less than a normal billing period shall be prorated both as to minimum charges and quantity blocks. If the total period for which service is rendered is less than one month, the bill shall not be less than the monthly minimum charge applicable. Closing bills may be estimated by the city for the final period as an expediency to permit the customer to pay the closing bill at the time service is discontinued.

C. Bills for water service shall be rendered at the end of each billing period and shall be payable on presentation. On each bill for services rendered by the city shall be printed, substantially, the following:

If charges are not paid by the bill's due date, a penalty of \$5.00 will be added to said charges. Interest of one (1) percent per month will be added to the past due balance on the first day of each month following. If full charges and penalties are not paid within fifteen (15) days after the due date, the city will discontinue service and a reconnection charge in the amount of \$10.00 will be imposed.

D. During the period of such disconnection, inhabitation of such premises by human beings shall constitute a public nuisance, whereupon the city council may cause proceedings to be brought for the abatement of the occupancy of said premises by human beings during the period of such disconnection. In such event, and as a condition of reconnection, there is to be paid to the city a reasonable attorneys' fees and costs of suit arising in the action.

E. The city declares that the foregoing procedure for disconnecting delinquent premises is established as a means of enforcement of collection of the charges and not as a penalty.

F. In addition to the right to discontinue any service, the city shall have the right to collect charges from the occupants of any premises or from the owner of the premises at its discretion by suitable actions at law. (Ord. 612, 2001; Ord. 510 § 1, 1993; Ord. 352 § 13, 1982).

13.24.210 Discontinuance of service.

A. Service may be discontinued for nonpayment of bills on or before the fifteenth day of the month following the month during which the bill was sent. At least seven days prior to such discontinuance, the customer will be sent a final notice informing him that the discontinuance will be enforced if payment is not made within the time specified in the notice. The failure of the city to send or any such person to receive the notice shall not affect the city's power under this section. A customer's water service may be discontinued if water service furnished at a previous location has not been paid for within the time fixed in this chapter for the payment of bills. If a customer receives water service at more than one location and the bill for service at any one location is not paid within the period of time provided for payment, water service at all locations may be turned off.

B. Water service may be refused or discontinued to any premises where apparatus or appliances are in use which might endanger or disturb service to other customers.

C. Water service may be refused or discontinued to any premises where there exists a cross-connection in violation of state or federal laws.

D. Service may be discontinued if necessary to protect the city against fraud or abuse.

E. Service may be discontinued for noncompliance with this or any other ordinance or regulation related to the water service.

F. Customers desiring to discontinue service should so notify the city two days prior to vacating the premises. Unless this discontinuance of service is ordered, the customer shall be liable for charges whether or not any water is used. (Ord. 612, 2001; Ord. 352 § 14, 1982).

13.24.220 Application for multiple services.

The applicant may apply for as many services as may be reasonably required for his premises, provided that the pipe line system from each service is independent of the others and that they are not interconnected. The cost of all services over and above the initial service shall be borne by the applicant. (Ord. 352 § 15(a), 1982).

13.24.230 Separate service connections required for each premises.

Not more than one premises shall be serviced from each service connection. (Ord. 352 § 15(b), 1982).

13.24.240 Negligent waste of water.

No customer shall knowingly permit leaks or waste of water. Any wasteful or negligent use of water on a customer's premises in violation of this section shall constitute an infraction and shall be punishable by a fine of twenty-five dollars for the first violation after a warning in writing, fifty dollars for a second violation within one year and a fine of one hundred dollars for each additional violation within one year. The city, at its option, may discontinue this service after the third violation after giving the customer notice. (Ord. 457 § 1, 1991; Ord. 352 § 15(c), 1982).

13.24.250 Facilities on private property to remain property of city.

All facilities installed by the city on private property for the purpose of rendering water service shall remain the property of the city and may be maintained, repaired or replaced by the city without consent or interference of the owner or occupants of the property. The property owner shall use reasonable care in the protection of such facilities. No payment shall be made for placing or maintaining the facilities on private property. (Ord. 352 § 15(d), 1982).

13.24.260 Liability for damage to city-owned facilities.

The customer shall be liable for any damage to city-owned customer water service facilities when such damage is from causes originating on the premises by an act of the customer or his tenants, agents, employees, contractors, licensees or permittees, including the breaking or destruction of locks by the customer or others on or near a meter, and any damage to a meter that may result from hot water or steam from a boiler or heater on the customer's premises. The city shall be reimbursed by the customer for any such damage promptly upon presentation of a bill. (Ord. 352 § 15(e), 1982).

13.24.270 Use of service curb stop restricted.

The customer shall not use the service curb stop to turn water on and off for its convenience. (Ord. 352 § 15(f), 1982).

13.24.290 Temporary shutdown of service.

The city shall not be liable for damage which may result from an interruption in service from a cause beyond the control of the city. Temporary shutdowns may be made by the city to make improvements and repairs.

Whenever possible and as time permits, all customers affected will be notified prior to making such shutdowns. The city will not be liable for interruption, shortage, or insufficiency of supply, or for any loss or damage occasioned thereby, if caused by accident, act of God, fire, strikes, riots, war or any other causes not within its control. (Ord. 352 § 15(h), 1982).

13.24.300 Right of ingress and egress of city representatives.

Representatives from the city shall have the right of ingress and egress to the customer premises at reasonable hours for any purpose reasonably connected with the furnishing of water service. (Ord. 352 § 15(i), 1982).

13.24.310 Customer responsible for installation and maintenance of equipment.

The customer shall, at his own risk and expense, furnish, install and keep in good and safe condition all equipment that may be required for receiving, controlling, applying and utilizing water, and the city shall not be responsible for any loss or damage caused by the improper installation of such equipment, or the negligence or wrongful act of the customer or of any of his tenants, agents, and employees, contractors, licensees or permittees in installing, maintaining, operating or interfering with such equipment. The city shall not be responsible for damage to property caused by faucets, valves and other equipment that are open when water is turned on at the meter, either originally or when turned on after a temporary shutdown. (Ord. 352 § 15(j), 1982).

13.24.320 Connection to sources of supply other than city system.

It is unlawful for any person, firm or corporation to allow a connection to be made or to allow a connection to exist for any purpose whatever between the city system and any other source of supply, unless the connection is fitted with a suitable device to be approved by the city, which shall prevent water from the other source of supply from entering the system. (Ord. 352 § 15(k), 1982).

13.24.330 Unauthorized connection or disconnection prohibited.

No person other than duly authorized employees of the city shall connect the consumer's service to or disconnect the same from the distribution mains of the city. (Ord. 352 § 15(l), 1982).

13.24.340 Installation of evaporative-type, air-conditioning units.

No person shall install or connect with the system any evaporative-type, air-conditioning cooler or unit unless it is equipped with a recirculating pump and equipped with a thermostat or pressure control valve properly adjusted to regulate the flow of cooling water through the units so that the minimum amount of cooling water, as determined by the manufacturer's specifications, shall be used. (Ord. 352 § 15(m), 1982).

13.24.350 Connection of refrigerating or air-conditioning equipment.

No person shall connect to the water system any refrigerating or air-conditioning equipment unless such equipment is air-cooled or has a water tower or evaporation condenser so that only makeup water is used. (Ord. 352 § 15(n), 1982).

13.24.360 Unauthorized supplying of city water prohibited.

No person shall supply city water to anyone without the prior authorization from the city, and the city shall have the right, upon five days' written notice, to cease and disconnect the water service for the person supplying the water. (Ord. 352 § 15(o), 1982).

13.24.370 Bypass around meter or service prohibited.

No person shall construct a bypass around any meter or service. (Ord. 352 § 15(p), 1982).

13.24.380 Irrigation of private lawns restricted.

A.1. There shall be no outdoor watering or irrigating whatsoever between the hours of ten a.m. and seven p.m.

2. Persons residing in addresses ending in even numbers, (i.e., 0, 2, 4, 6, and 8) shall water only on Tuesday, Thursday, Saturday and Sunday, except during the hours when watering and irrigating is prohibited.

3. Persons residing in addresses ending in odd numbers (i.e., 1, 3, 5, 7 and 9) shall water only on Monday, Wednesday, Friday and Sunday, except during the hours when watering and irrigating is prohibited.

4. Hosing down driveways, sidewalks, building exteriors or parking lots is permissible provided that a quick acting shutoff hose nozzle or a pressure washer is used but not in a manner or to an extent which allows substantial amounts of excess water to run off the area being washed.

5. Water waste shall include the use of lawn sprinklers when it is raining, and watering of lawns, groundcover, shrubbery and trees in a manner or to an extent which allow substantial amounts of excess water to run off the area being watered.

6. Quick acting shutoff hose nozzles shall be required for car washing.

7. Newly planted lawns will be allowed daily watering until the second mowing. When installing a new lawn, call the utilities service department to be placed on the exemption list.

B. Penalties. Any violation of the provisions of this section shall constitute an infraction and shall be punished by a fine of twenty-five dollars for the first violation after a warning in writing, fifty dollars for a second violation within one year and a fine of one hundred dollars for each additional violation within one year. The city, at its option, may discontinue the service after the third violation after giving the customer written notice. (Ord. 577 § 1, 1997; Ord. 459 §§ 1 and 2, 1991).

13.24.390 Council to provide rules and regulations.

The city council may, by resolution, provide such rules and regulations as it may deem necessary or advisable to accomplish the intents and purposes of this chapter. (Ord. 352 § 15(r), 1982).

13.24.400 Violation—Penalty.

Any violation of the provisions of this chapter shall constitute a misdemeanor and shall be punishable by a fine of not more than five hundred dollars or by imprisonment of not more than six months, or by both such

fine and imprisonment. This penalty applies to Chapter 13.24, Water System, except for Section 13.24.380, Irrigation of private lawns restricted. (Ord. 578 § 16, 1997; Ord. 352 § 16, 1982).

**Chapter 15.48
WATER-EFFICIENT LANDSCAPE**

Sections:

15.48.010 Purpose and intent.

15.48.020 Applicability.

15.48.030 Definitions.

15.48.040 Standards of landscape design/implementation for new construction and development.

15.48.050 Planting plan specifications.

15.48.060 Irrigation plan specifications.

15.48.070 Inspection.

15.48.080 Maintenance.

15.48.090 Fees.

15.48.100 Model homes.

15.48.010 Purpose and intent.

Water is an increasingly limited and costly resource. It is the intent of this chapter to establish a water conservation plan to reduce water consumption in the landscape environment using conservation principles. (Ord. 481 (part), 1992).

15.48.020 Applicability.

Whenever landscaping or a landscape plan is required by this title, the following standards of planting and irrigation system design and landscape and irrigation specifications shall apply. (Ord. 481 (part), 1992).

15.48.030 Definitions.

As used in this chapter:

“Backflow prevention device” means a safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from the irrigation system.

“Friable condition” means returning the soil to an easily crumbled or loosely compacted condition down to a minimum depth per planting material requirement, whereby the root structure of newly planted water-conserving plants will be allowed to spread unimpeded.

“Irrigation controllers” means a mechanical or solid-state timer, capable of operating valve stations to set the days and length of time of a water application.

"Landscape area" means the total area of the site not covered by buildings, parking areas, driveways or streets, and shall include patios, plazas, sidewalks, hard-courts, swimming pools, spas and parkway areas.

"Turf" means a single-bladed grass or sod.

"Water-conserving plant" means any plant which exhibits drought-tolerant characteristics or will, in designed locations, survive with limited supplemental water. Hybrid dwarf-type fescues and warm season grasses shall be considered water conserving. A suggested listing of these plants shall be made available by the city. (Ord. 481 (part), 1992).

15.48.040 Standards of landscape design/implementation for new construction and development.

A. Plan Preparation. It is required that a licensed landscape architect, landscape contractor, architect, engineer or certified irrigation designer be employed in preparing the landscape and irrigation plans. In addition to plants, the use of structural elements like pools, fountains, raised planters, benches and sunshades are encouraged in the landscape plan.

B. Plant Materials. The selection of plant materials should include both evergreen and deciduous trees, shrubs and attractive erosion-preventing ground cover. It is required that at least ninety percent of the plants selected in nonturf areas be well suited to the climate of the region and require minimal water once established in the landscape. Up to ten percent of the plants may be of a nondrought-tolerant variety as long as they are grouped together and can be irrigated separately. Attention shall be given to appearance, height, spread, growth rate, moisture requirements, potential root damage, disease, pest susceptibility, climate adaptability, soil type, function and degree to maintenance required.

C. Plant Coverage. Plants shall be so spaced and sized that when mature they will fill the planter area. Although a reasonable number of growing seasons will be allowed for full plant coverage to develop, interim ground cover shall be provided during this period. Interim cover of surfacing materials shall consist of wood mulch or chips, or any other approved material. Mulches must be a minimum of three inches thick when used as an interim measure.

D. Plant Maintenance. Underground, automated irrigation systems shall be provided to assure efficient water use with a minimum of labor and water waste. Irrigation controllers must have multiple cycle capabilities. Plant materials must be maintained in a healthy condition. Unhealthy plants shall be replaced. Planters shall be kept free of all weeds, debris and trash.

E. Planter Construction. All planter areas should have a permanent border to prevent cars and pedestrians from damaging plant materials. All planters constructed adjacent to buildings or structures shall be so designed to avoid irrigation water intrusion into or on that adjacent building or structure. The minimum width of a planter bed shall be forty inches measured from the inside of curbing or acceptable permanent border.

F. Commercial Landscaping. Landscaping within commercial zoning districts should provide a total planted area of not less than three percent of the parcel area for new projects with existing building and not less than five percent for new construction.

G. **Compacted Soils.** Prior to the planting of any materials, the compacted soils within the planting area shall be returned to a friable condition. Friable condition shall mean returning the soil to an easily crumbled or loosely compacted condition down to a minimum depth per planting material requirement, whereby the root structure of newly planted material will be allowed to spread unimpeded. (Ord. 485 § 1, 1993; Ord. 481 (part), 1992).

15.48.050 Planting plan specifications.

The following shall be required:

- A. Three copies of the planting plan shall be submitted for review and approval by the planning director and the director of public utilities in accordance with the standards of landscape design set forth in this chapter. An eight and one-half inch by eleven inch copy shall also be submitted.
- B. One copy of all building elevations and site grading plans, or one copy of all building plans, shall be submitted together with the landscaping plan. The building elevation and site grading plans shall be in sufficient detail to permit determination of the location, width and height of all doors, windows and roof overhangs on all proposed buildings within or adjacent to proposed landscape areas.
- C. The landscape plans shall be legible and drawn to a scale no smaller than one inch equals twenty feet.
- D. The landscape plans shall indicate property lines, dimension lines, setback lines, walls and fences, driveways, adjacent streets, outline of all structures and adjacent land uses.
- E. The landscape plans shall indicate planting details, pre-emergent soil treatment rates and materials, and soil preparation.
- F. The results of soil tests for horticultural suitability, if any, shall be submitted with the landscape plan.
- G. A minimum of three inches of mulch shall be added in nonturf areas to the soil surface after planting. Plant types that are intolerant of mulch shall be excluded from this requirement. Sheet plastic and other nonporous materials shall not be placed under mulch.
- H. The use of turf as a plant material will not be permitted in narrow planter areas (less than ten feet in width), in traffic median strips, parking strips, between curbs and sidewalks, or in nonactivity areas.
- I. The landscape plans shall include a plant list giving the common and botanical names of plants to be utilized. This plant list shall be arranged in legend form with a key number assigned to each plant. On the plan, each plant shall be identified by a key number or other reference. The size of the plant, its spacing and the quantity to be used shall follow in the legend. (Ord. 481 (part), 1992).

15.48.060 Irrigation plan specifications.

The following shall be required:

- A. Three copies of the irrigation plans shall be submitted for review and approval by the director of public

utilities for backflow prevention and minimum depth of soil coverage. The irrigation system shall be designed with water conservation in mind. Wind direction, surface drainage, soil type and application method shall be considered.

B. The irrigation plan shall indicate potable water system point of connection and size, water pressure available, and maximum demand of the system in gallons per minute or gallons per hour if appropriate.

C. Irrigation equipment specified must be identified by manufacturer's name and equipment identification number.

D. Performance data for irrigation heads and emitters including discharge rates, effective diameter, and operating pressure shall be listed in the irrigation legend.

E. All locations of irrigation valves, controllers, hose bibs, quick coupler valves, sprinkler heads and backflow prevention devices, valves, filters, pressure regulators, emitters, rain switches and moisture sensors must be indicated.

F. Irrigation details must be used to clarify particular situations. Typical details should include backflow prevention devices, valves, irrigation heads, emitters, filters, pressure regulators, moisture sensors, rain switches, check valves and irrigation controllers.

G. All irrigation lines must be sized.

H. Schedule 40 P.V.C. pipe is required under all paved areas. Piping must be installed a minimum of twelve inches underground for nonpressure irrigation lines and eighteen inches underground for constant pressure irrigation lines. Emitter distribution tubing may be located at grade.

I. Irrigation watering schedules for the entire year must be provided on irrigation drawings. These schedules shall include an establishment (first twelve months) and post-establishment period. Post-establishment schedules shall be divided into four seasonal quarters.

J. Pop-up sprinklers in turf areas shall have a minimum four inch pop-up height. Sprinkler coverage shall be one hundred percent. Heads shall be placed at a maximum of fifty percent of the diameter of throw (head-to-head) unless specific justification is provided for greater spacing. Sprinkler heads must have matched precipitation rates within each control valve circuit.

K. Sprinklers and sprays shall not be used in areas less than five feet wide. Drip and bubblers shall be used that do not exceed 1.5 gallons per minute per device.

L. Serviceable check valves are required where elevation differential may cause low-head drainage.

M. Irrigation controllers shall be capable of multiple programming. Controllers shall have multiple cycle state capacity and a flexible calendar program.

N. Copies of pressure/flow calculations for the valve circuit with the highest demand shall accompany the irrigation plans. (Ord. 481 (part), 1992).

15.48.070 Inspection.

Upon installation of landscaping and irrigation systems, the installer shall contact the public works department and request an inspection. The planting and irrigation installation shall conform to the approved plans before a certificate of occupancy will be issued by the chief building official. (Ord. 481 (part), 1992).

15.48.080 Maintenance.

Whenever landscaping or a planting and irrigation plan is required by this title, or as a condition of an action authorized by this title, the planting and irrigation system shall be maintained in accordance with the approved planting and irrigation plan. Maintenance includes removal of weeds, litter or other debris, and replacement of dead plant materials. (Ord. 481 (part), 1992).

15.48.090 Fees.

A landscaping and irrigation plan review fee shall be paid to the city. The amount of the fee shall be set by resolution of the city council. (Ord. 481 (part), 1992).

15.48.100 Model homes.

To promote landscape water conservation through education, all single-family residential developments with two or more model homes to be constructed by a developer, shall provide for landscaping of at least fifty percent of the models consistent with the requirements of this chapter.

A. Each development with water-saving model homes may provide information to potential buyers regarding the water-saving design by means of a front-yard sign, up to four square feet in area. The sign should indicate that the model features a water-saving planting and irrigation design and may list the designer and supplier of the plants.

B. If the optional sign is not utilized or it does not provide details on the design, an interior display including a drawing, or combination of drawings, shall be displayed inside each water-saving model which provides a schematic of the landscape. These drawings shall include a key identifying the common name of the plants used in the water-saving model yards. A brochure with the same information may be distributed with the sales information to potential buyers to satisfy this requirement. (Ord. 481 (part), 1992).

Appendix D - SB X7-7 Verification Tables

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SB X7-7 Table 0: Units of Measure Used in UWMP*

(select one from the drop down list)

Acre Feet

*The unit of measure must be consistent with Table 2-3

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	3,832	Acre Feet
	2008 total volume of delivered recycled water		Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period ¹	10	Years
	Year beginning baseline period range	2001	
	Year ending baseline period range ²	2010	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2006	
	Year ending baseline period range ³	2010	

¹ If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to

² The ending year must be between December 31, 2004 and December 31, 2010.

³ The ending year must be between December 31, 2007 and December 31, 2010.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population
(may check more than one)

<input type="checkbox"/>	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input checked="" type="checkbox"/>	2. Persons-per-Connection Method
<input checked="" type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review

NOTES: Persons-per-connection method use for baseline populations and DWR population tool used for 2015 population

SB X7-7 Table 3: Service Area Population

Year		Population
10 to 15 Year Baseline Population		
Year 1	2001	13,759
Year 2	2002	14,092
Year 3	2003	14,568
Year 4	2004	16,307
Year 5	2005	19,843
Year 6	2006	21,474
Year 7	2007	21,609
Year 8	2008	21,130
Year 9	2009	20,662
Year 10	2010	20,260
5 Year Baseline Population		
Year 1	2006	21,474
Year 2	2007	21,609
Year 3	2008	21,130
Year 4	2009	20,662
Year 5	2010	20,260
2015 Compliance Year Population		
2015		21,250
NOTES: Baseline population developed from U.S. Census data and Patterson's connection data. 2015 population number developed using DWR Population Tool.		

SB X7-7 Table 4: Annual Gross Water Use *

	Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>Fm SB X7-7 Table(s) 4-A</i>	Deductions					Annual Gross Water Use
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>Fm SB X7-7 Table 4-B</i>	Water Delivered for Agricultural Use	Process Water <i>Fm SB X7-7 Table(s) 4-D</i>	
10 to 15 Year Baseline - Gross Water Use								
Year 1	2001	2,380			0		0	2,380
Year 2	2002	3,001			0		0	3,001
Year 3	2003	2,837			0		0	2,837
Year 4	2004	2,840			0		0	2,840
Year 5	2005	3,356			0		0	3,356
Year 6	2006	4,083			0		0	4,083
Year 7	2007	4,165			0		0	4,165
Year 8	2008	4,398			0		0	4,398
Year 9	2009	3,836			0		0	3,836
Year 10	2010	3,869			0		0	3,869
10 - 15 year baseline average gross water use								3,477
5 Year Baseline - Gross Water Use								
Year 1	2006	4,083			0		0	4,083
Year 2	2007	4,165			0		0	4,165
Year 3	2008	4,398			0		0	4,398
Year 4	2009	3,836			0		0	3,836
Year 5	2010	3,869			0		0	3,869
5 year baseline average gross water use								4,070
2015 Compliance Year - Gross Water Use								
2015		3,216			0		0	3,216
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								
NOTES:								

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source		Groundwater		
This water source is:				
<input checked="" type="checkbox"/>	The supplier's own water source			
<input type="checkbox"/>	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	2001	2,380		2,380
Year 2	2002	3,001		3,001
Year 3	2003	2,837		2,837
Year 4	2004	2,840		2,840
Year 5	2005	3,356		3,356
Year 6	2006	4,083		4,083
Year 7	2007	4,165		4,165
Year 8	2008	4,398		4,398
Year 9	2009	3,836		3,836
Year 10	2010	3,869		3,869
5 Year Baseline - Water into Distribution System				
Year 1	2006	4083		4,083
Year 2	2007	4165		4,165
Year 3	2008	4398		4,398
Year 4	2009	3836		3,836
Year 5	2010	3869		3,869
2015 Compliance Year - Water into Distribution System				
	2015	3,216		3,216
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES: All values besides the 2005 and 2010 values are based on				

SB X7-7 Table 4-C: Process Water Deduction Eligibility

(For use only by agencies that are deducting process water) Choose Only One

<input type="checkbox"/>	Criteria 1- Industrial water use is equal to or greater than 12% of gross water use. Complete SB X7-7 Table 4-C.1
<input type="checkbox"/>	Criteria 2 - Industrial water use is equal to or greater than 15 GPCD. Complete SB X7-7 Table 4-C.2
<input type="checkbox"/>	Criteria 3 - Non-industrial use is equal to or less than 120 GPCD. Complete SB X7-7 Table 4-C.3
<input type="checkbox"/>	Criteria 4 - Disadvantaged Community. Complete SB x7-7 Table 4-C.4
NOTES:	

SB X7-7 Table 4-C.4: Process Water Deduction Eligibility

Criteria 4

Disadvantaged Community

Use IRWM DAC Mapping tool http://www.water.ca.gov/irwm/grants/resources_dac.cfm

California Median Household Income	Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N	
2015 Compliance Year - Process Water Deduction Eligibility				
2010	\$53,046	\$55,800	105%	NO

A "Disadvantaged Community" is a community with a median household income less than 80 percent of the statewide average.

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)	
10 to 15 Year Baseline GPCD				
Year 1	2001	13,759	2,380	154
Year 2	2002	14,092	3,001	190
Year 3	2003	14,568	2,837	174
Year 4	2004	16,307	2,840	155
Year 5	2005	19,843	3,356	151
Year 6	2006	21,474	4,083	170
Year 7	2007	21,609	4,165	172
Year 8	2008	21,130	4,398	186
Year 9	2009	20,662	3,836	166
Year 10	2010	20,260	3,869	170
10-15 Year Average Baseline GPCD			169	
5 Year Baseline GPCD				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use	
Year 1	2006	21,474	4,083	170
Year 2	2007	21,609	4,165	172
Year 3	2008	21,130	4,398	186
Year 4	2009	20,662	3,836	166
Year 5	2010	20,260	3,869	170
5 Year Average Baseline GPCD			173	
2015 Compliance Year GPCD				
2015	21,250	3,216	135	

SB X7-7 Table 6: Gallons per Capita per Day
 Summary From Table SB X7-7 Table 5

10-15 Year Baseline GPCD	169
5 Year Baseline GPCD	173
2015 Compliance Year GPCD	135
NOTES:	

SB X7-7 Table 7: 2020 Target Method

Select Only One

Target Method		Supporting Documentation
<input type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input checked="" type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator
NOTES:		

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline	GPCD	2020 Target GPCD
169		135
NOTES:		

SB X7-7 Table 7-E: Target Method 3

Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
<input type="checkbox"/>		North Coast	137	130
<input type="checkbox"/>		North Lahontan	173	164
<input type="checkbox"/>		Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input checked="" type="checkbox"/>	100%	San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input type="checkbox"/>		Tulare Lake	188	179
<input type="checkbox"/>		South Lahontan	170	162
<input type="checkbox"/>		South Coast	149	142
<input type="checkbox"/>		Colorado River	211	200
Target <i>(If more than one region is selected, this value is calculated.)</i>				165
NOTES:				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target*	Calculated 2020 Target From Appropriate Target Table	Confirmed 2020 Target
173	164	165	164
* Maximum 2020 Target is 95% of the 5 Year Baseline GPCD			
NOTES:			

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target <i>Fm SB X7-7 Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7 Table 5</i>	2015 Interim Target GPCD
164	169	167
NOTES:		

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments (in GPCD)					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD		
135	167	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	0	135	135	YES
NOTES:								

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Appendix E - DWR Population Tool Output

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Persons Per Connection

Year	Census Population	Number of Connections	Persons Per Connection
1990	8,640	2395	3.61
1991			3.64
1992			3.67
1993			3.69
1994			3.72
1995			3.75
1996			3.78
1997			3.81
1998			3.83
1999			3.86
2000	11,767	3026	3.89
2001			3.87
2002			3.85
2003			3.84
2004			3.82
2005			3.8
2006			3.78
2007			3.76
2008			3.75
2009			3.73
2010	20,413	5503	3.71
2015			3.62

Population Using Persons-per-Connection

	Baseline Year	Number of Connections	Persons Per Connection	Total Population
10 to 15 Year Baseline Population Calculations				
Year 1	2001	3385	3.87	13,107
Year 2	2002	3292	3.85	12,687
Year 3	2003	3508	3.84	13,457
Year 4	2004	4312	3.82	16,463
Year 5	2005	5071	3.8	19,270
Year 6	2006	5464	3.78	20,665
Year 7	2007	5378	3.76	20,243
Year 8	2008	5277	3.75	19,768
Year 9	2009	5451	3.73	20,321
Year 10	2010	5503	3.71	20,413
5 Year Baseline Population Calculations				
Year 1	2006	5464	3.78	20,665
Year 2	2007	5378	3.76	20,243
Year 3	2008	5277	3.75	19,768
Year 4	2009	5451	3.73	20,321
Year 5	2010	5503	3.71	20,413
2015 Compliance Year Population Calculations				
	2015	5873	3.62	21,254

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Appendix F - Chromium VI Corrective Action Plan

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Technical Memorandum



City of Patterson - Hexavalent Chromium

Subject: Corrective Action Plan (CAP)
Prepared For: Mike Willett, City of Patterson
Prepared by: Sunny Huang, P.E.
Reviewed by: Alyson Watson, P.E.
Date: September 28, 2015
Reference: RMC 0603-001.00



This technical memorandum presents the Corrective Action Plan as required by Directive 5 of Compliance Order No. 01_10_15R_001 issued by the State Water Resources Control Board, Division of Drinking Water (DDW). The compliance order was issued on July 29, 2015 to the City of Patterson (City) for violation of the Hexavalent Chromium (Chrome 6) Maximum Contaminant Level (MCL). This document is organized as follows:

- Section 1: Background
- Section 2: Purpose
- Section 3: Steps to Achieve Compliance
- Section 4: Estimated Time Requirements for Implementation

1 Background

The City Public Works Department is the retail purveyor for drinking water serving the City of Patterson. It currently and has historically relied solely on local groundwater for its drinking water supply. At present, the City operates 7 active potable wells with an aggregate supply capacity of approximately 7,300 gallons per minute (gpm) to meet the City's potable water needs. The City does not have access to surface water or alternate water supplies.

On July 1, 2014, DDW adopted the MCL of 10 micrograms per liter ($\mu\text{g/L}$) for Chrome 6. The City has implemented quarterly sampling of each well as per regulation, with the analyses for Chrome 6 performed by a State of California certified laboratory facility. The analytical results indicated a running annual average (RAA) for Chrome 6 exceeding the MCL for each well (the RAA for the wells ranged from 11 to 23 $\mu\text{g/L}$). This prompted DDW to issue a compliance order (CO) to the City on July 29, 2015 for violation of the Chrome 6 MCL.

As required by the CO, the City has formally acknowledged the CO, provided public notification, and continued quarterly monitoring for all impacted wells. In addition to these response actions, Directive 5 of the CO requires the City to develop a Corrective Action Plan (CAP) for submittal to DDW by October 9, 2015. The CAP is contained herein.

2 Purpose

The CAP will serve as a "roadmap" for the City, indicating the steps to be taken that will allow the City to achieve compliance with the Chrome 6 MCL. Additionally, it will indicate the estimated time requirements to implement each step, thus generating an overall timeframe for the City to achieve compliance.

3 Steps to Achieve Compliance

The following steps have been identified as needed to allow the City to reach compliance with the Chrome 6 MCL:

- Field Testing of Wells
- Feasibility Study
- Pilot Testing
- Basis of Design Report
- Engineering Design
- Environmental Documentation (CEQA)
- Permitting
- Funding/Financing
- Construction
- Commissioning/Acceptance

To ensure that each step is adequate in scope, the City will coordinate with DDW throughout the CAP implementation process. These steps are described below.

3.1 Field Testing of Wells

The Chrome 6 concentrations in the City's groundwater are directly proportional to the amount of contact the groundwater has with the formations in the underlying geology that contain Chrome 6. Therefore, it may be possible to reduce Chrome 6 concentrations by confining the pumping of the wells to screen depths that extract from portions of the formations that may potentially contain lower quantities of Chrome 6. This step will consist of conducting field tests of the wells at a number of different screen depths to assess if such changes to pumping operations can yield Chrome 6 reductions in the extracted groundwater.

3.2 Feasibility Study

A Feasibility Study will be conducted to identify the alternatives available to the City to meet the Chrome 6 MCL and to narrow down the alternatives to one or a few that would be most suitable to address the site-specific conditions in Patterson. The alternatives for evaluation would factor in the following:

- Changes to existing pumping operations that can mitigate Chrome 6 concentrations in the source water as identified in the Field Testing of Wells step.
- Treatment technologies to reduce Chrome 6 from the source water. These will include those technologies identified as best available technologies (BAT) for Chrome 6 treatment per California Code of Regulation (CCR) Section 64447.2: reduction/coagulation/filtration (RCF), weak based anion exchange (WBA), and strong based anion exchange (SBA).
- Consideration of treatment for nitrate and/or total dissolved solids (TDS) in addition to Chrome 6. Future reduction of nitrate and TDS have been identified as long term water quality (WQ) improvement goals in the City's Water Master Plan. Depending the feasibility of addressing nitrate and TDS, reverse osmosis (RO) may be considered in addition to RCF, WAB, and SBA, as RO is identified in the CCR as a BAT for Chrome 6 treatment.
- Potential locations for siting of treatment facility.

Once the alternatives have been identified, a conceptual configuration will be generated for each, using conservative values for design and operating criteria for each technology that are either cited in the existing literature or typically used in the industry. Lifecycle costs will then be developed for each alternative, factoring in capital cost, operational and maintenance (O&M) costs, and residual management costs. The lifecycle costs will be used as a basis to recommend one or more alternatives for the City to consider for pilot testing.

3.3 Pilot Testing

For the treatment alternative(s) identified in the Feasibility Study, pilot testing will be performed to meet the following objectives:

- Determine site specific design and operating criteria for each technology tested.
- Confirm usage rates for consumables (e.g., power, chemical(s), etc.) and generation rates for residuals.
- Use pilot data to refine lifecycle costs and select a recommended system alternative for full-scale design and implementation.

Additionally, changes to existing pumping operations to mitigate Chrome 6 source water concentrations as identified in the Field Testing of Wells step will also be factored into the pilot test.

3.4 Basis of Design Report

Using the findings from the Pilot Testing and Field Testing of Wells steps, the Basis of Design Report will establish the final design and operating criteria to be used for the design of a full-scale treatment facility as well as changes in pumping operations that will reduce source water Chrome 6 concentrations. The report will contain a conceptual treatment facility design based on these criteria. The primary components of the conceptual design presented in the report will include:

- Treatment scheme, including blending and/or onsite water storage as needed.
- Number of treatment trains, proposed equipment redundancy or duty/standby arrangements for major unit operations, and primary process piping.
- Site plan, showing a conceptual layout with estimated space requirements for treatment equipment, chemical storage (as needed), and ancillary/support systems.
- Pipeline alignments for source water conveyance, treated water discharge, and residual disposal (i.e., sewer).

3.5 Engineering Design

It is assumed that the City will move forward with a design-bid-build process for the design and construction of the Chrome 6 facility (as opposed to design-build or other project delivery system). This step will consist of the preliminary through detailed design stages for the treatment system and required new pipeline conveyance. The design process will consist of 30%, 60%, 90%, and 100% levels as design stage milestones for review and revision, with a final set of stamped project documents (i.e., drawings and specifications) approved by DDW to release for bid and construction.

3.6 Environmental Documentation (CEQA)

To move forward with the implementation of a Chrome 6 facility, the City will need to fulfill the environmental and approval/permitting requirements stipulated by the California Environmental Quality Act (CEQA). The CEQA statute (California Public Resources Code Section 21000 et seq.) requires that

all state and local agencies must give major consideration to environmental protection prior to approving public and private activities. It is anticipated that the City will need to develop either an initial study/mitigative negative declaration (IS/MD) or an environmental impact report (EIR) to satisfy CEQA requirements. The determination of the document needed will depend on the recommended treatment alternative and the proposed facility design in the Basis of Design Report. It is also anticipated that the City will need to develop CEQA-plus documentation to allow them to apply for California State Revolving Fund (SRF) loans.

It is anticipated that the CEQA process will begin during the Basis of Design Report step and continue through the engineering design.

3.7 Permitting

The permits required to allow for the construction and operation of a new Chrome 6 facility and associated new pipeline conveyance will be identified at the start of the engineering design step. Once identified, the permit application process will proceed in parallel with the engineering design to minimize the potential for delaying the bid, award, and start of construction for the facility. They may include, but not be limited to, permits from DDW, City planning department, local fire department, and the local publicly owned treatment works (POTW).

3.8 Funding/Financing

To help offset the financial burden associated with compliance with the Chrome 6 MCL, the City will seek to apply for grant funding and/or low cost loans. Potential sources of grant and/or loan funding will be identified at the start of the Basis of Design Report step, with the application process proceeding into and through the engineering design. The City will also concurrently conduct a reevaluation its water rate structure which will factor in the cost impacts for Chrome 6 compliance. Adjustments to the water rate structure may be made on an as needed basis to address compliance costs that cannot be recovered through grants and to service debt from loans assumed for compliance activities.

3.9 Construction

Construction will entail bidding, award, and construction of the Chrome 6 facility and related conveyance pipelines.

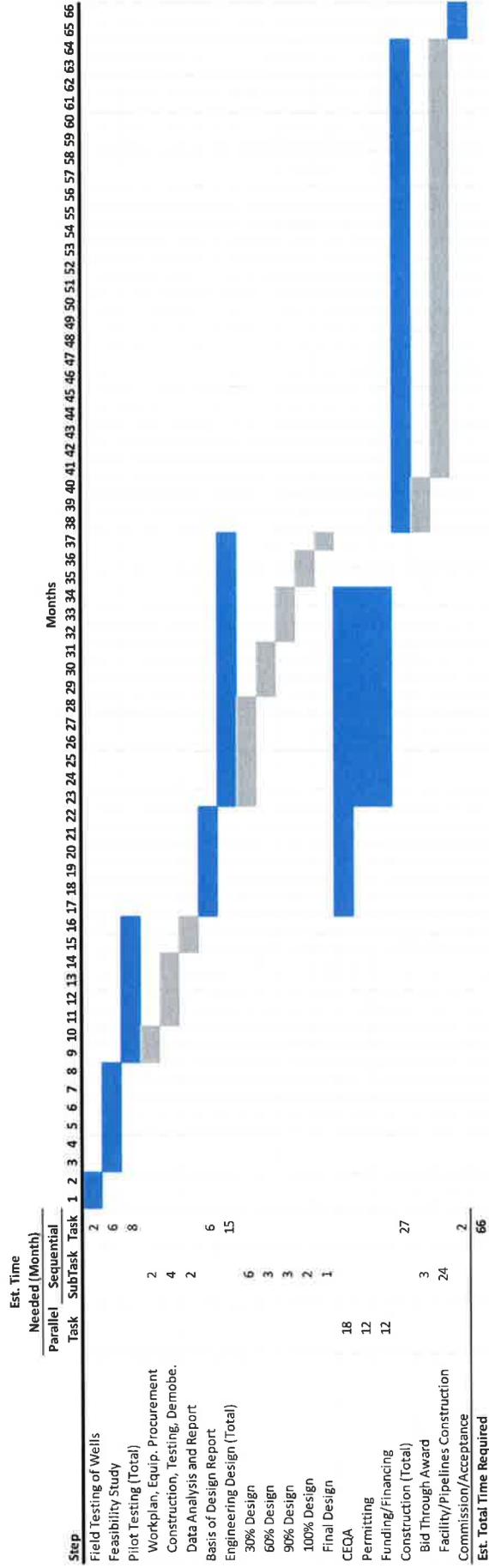
3.10 Commissioning/Acceptance

Upon the completion of construction and testing of the Chrome 6 facility, the City will supply all necessary permits and documents to DDW to obtain acceptance by DDW. Once acceptance is obtained, the City will place the Chrome 6 facility into service and provide public notification that the City is compliance with the Chrome 6 MCL.

4 Estimated Time Requirements for Implementation

Figure 4.1 presents the estimated timeline anticipated to implement and complete each step described in Section 3. As advised by DDW, the time requirements and timeline are presented in cumulative months rather than hard dates.

Figure 4-1. City of Patterson – Chrome 6 Planning Timeline | 2015



Based on the individual time estimates, the aggregate time required for the City to achieve compliance with the Chrome 6 MCL is anticipated to be 66 months. Please note the following regarding the estimates of time requirements:

- The duration needed to complete the environmental (CEQA) requirements will depend on whether an IS/MD or an EIR is required. For an EIR with the CEQA-plus requirements, the timeframe is estimated to be 18 months. If an IS/MD with the CEQA-plus requirements is needed, the timeframe may be reduced to 9 months.
- The 12-month duration identified to complete the Funding/Financing step may depend on funding cycle requirements. For SRF loans, loan applications are accepted on a “first come, first served” basis and are not constrained to a calendar cycle. Other grant funding sources may be tied to specific calendar dates which could affect the time requirements of the Funding/Financing step, and thus the start time allowable for construction.
- The 24-month duration for the physical construction of the Chrome 6 facility and conveyance pipelines is an allowance based on the general timeframe for the construction of a facility in this approximate treatment capacity range. A revision to this construction duration may be warranted once the specifics of the recommended facility are fully defined (i.e., siting of facility, treatment process selection and system configuration, equipment sizing, pipeline alignments, etc.).

Upon approval, it is understood that the City will be held to these timelines by DDW as milestones for progress. However, DDW has indicated a willingness to allow adjustments if issues are encountered that necessitate a change in approach or if conditions change over the course of the project. In the event that a time adjustment is needed, the City will coordinate with DDW to determine what may be allowable.

Appendix G - 2014 Consumer Confidence Report

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2014 CONSUMER CONFIDENCE REPORT

Once again, the City of Patterson proudly presents its Annual Water Quality Report. We test the drinking water quality for many constituents as required by State and Federal Regulations.

This year's Annual Water Quality Report covers all testing completed January 1 thru December 31, 2014. We want to keep you informed about the water quality we have delivered to you over the past year. Our goal is to provide you with a safe and dependable supply of drinking water.



We are pleased to report that our drinking water is safe and meets all Federal and State requirements.

Water System Facts

The water supplied to the City of Patterson comes solely from groundwater wells.

- In 2014, the city's seven active wells pumped a total of 1.37 billion gallons of water.
- In 2014, the city and its residents conserved over 100 million gallons of water!
- The city's water distribution lines total 64 miles of pipeline.
- All water operators are certified by the Department of Public Health in the distribution and treatment of drinking water.
- The Non-Potable Water System (purple pipe distribution lines) allows parks and schools to be irrigated using non-potable water (water that does not meet drinking water standards). With implementation of this system, we are able to conserve the water that is eligible for human consumption while irrigating the landscaping of our parks and schools with water that may not meet water drinking standards.
- By the August 2015, we will have added eight (8) more parks to the non-potable distribution system. This will bring our overall number to 18 parks/basins and three schools that will now be irrigated with non-potable water.
- Water meters are equipped with a profiler function that enables operators to download water flow data from each meter. The feature allows staff to diagnose or verify unseen or undetected water leaks.
- The Cross Connection Control Program protects the city's drinking water from potential hazards posed by certain types of industries.

CITY OF PATTERSON

Department of Public Works
1 Plaza
Patterson, CA 95363
Ph (209) 895-8061



CITY OF PATTERSON CONSUMER CONFIDENCE REPORT 2014



This brochure contains details of where your water comes from, what it contains, and how it compares to State and Federal standards. The City of Patterson is committed to providing you with the best and most accurate information regarding the quality of our water. For more information regarding water quality, call the Water Information Hotline at (209) 895-8070.

Council meetings are held the 1st and 3rd Tuesday of each month at 7:00 pm in the Council Chambers located at City Hall.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien. Para información llame al (209) 895-8060.

Public Works
Department
Ph (209) 895-8060
Fax (209) 895-8069

Continuing our Commitment

In order to ensure that tap water is safe to drink, the USEPA and the California Department of Public Health (CDPH) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. CDPH regulations also establish limits for contaminants in bottled water that provide the same protections for public health. All six tables on the inside of this brochure list all the water contaminants that were detected during the most recent water sampling. The presence of these contaminants do not necessarily indicate that the water poses a health risk. CDPH allows us to monitor for certain contaminants less than once a year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.



Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally occurring or the result of oil production and mining activities.



Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections by *Cryptosporidium* and other microbial contaminants.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. City of Patterson is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing. You can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

For systems that detect nitrate (NO₃) above 23 mg/L, but below 45 mg/L, Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than 6 months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advise from your health care

The sources of drinking water (both tap water and bottled water) includes rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

The City of Patterson draws all of its water from seven groundwater wells located throughout the City to serve the current population of 21,094. Our distribution system is looped and interconnected and operates in three pressure zones: Zone 2 includes the West Patterson Business Park and the Patterson Gardens subdivision, Zone 3 services the Patterson Gateway area, also known as Villa del Lago, and Zone 1 services the remainder of the city.



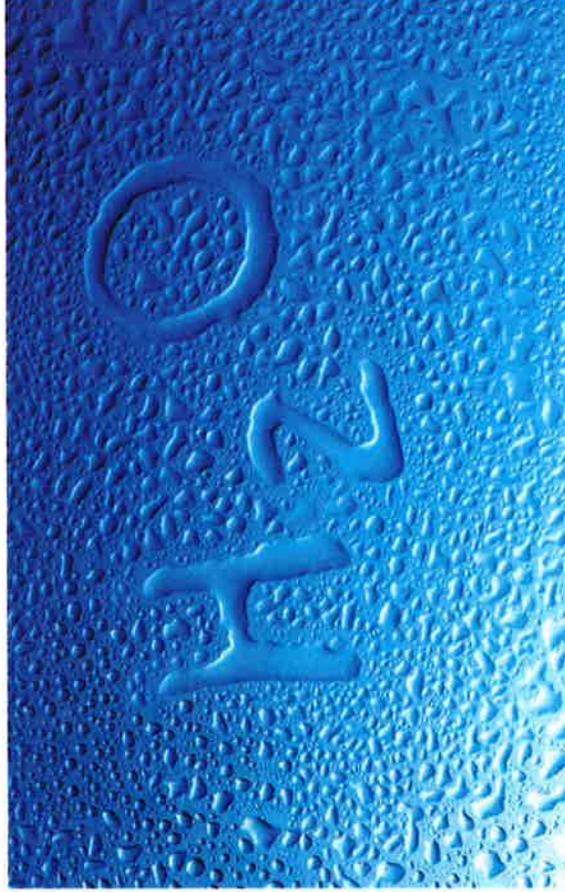
A source water assessment for all 7 wells was completed in April 2014. These sources are considered most vulnerable to the following activities not associated with any detected contaminants: gas stations, confirmed leaking tanks, dry cleaners, body repair shops, chemical/petroleum / pipelines, sewer lines, utility stations/maintenance areas, known contaminant plumes, and agricultural / irrigations wells / drainage, pesticide / fertilizer / petroleum storage.

To view a copy of the complete assessments, contact the Department of Public Works at (209) 895-8060 or by contacting the California Department of Public Health (CDPH), Drinking Field Operations Branch, 31 E. Channel, Room 270, Stockton, CA or by calling (209) 948-7696.

What's in my water?



In the past year, the water used at your home or business met all state and federal drinking water requirements. We have compiled a list displaying the substances detected in 2014. Although all the substances listed below are under the Maximum Contaminant Level (MCL) set by the USEPA, we feel it is important that you know exactly what was detected and how much of the substances were present in the water. The Department requires us to monitor for certain substances less than once per year because the concentrations of these substances are less than likely to be present. The most recent data is included along with the year the sample was taken.



This year's Annual Water Quality Report covers all testing completed January 1st thru December 31st, 2014. We want to keep you informed about the water quality we have delivered to you over the past year. Our goal is to provide you with a safe and dependable supply of drinking water. In order to ensure that tap water is safe to drink, the USEPA and the California Department of Public Health (CDPH) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. CDPH regulations also establish limits for contaminants in bottled water that provide the same protections for public health. All six tables on the inside of this brochure list all the water contaminants that were detected during the most recent water sampling. The presence of these contaminants do not necessarily indicate that the water poses a health risk. CDPH allows us to monitor for certain contaminants less than once a year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, is more than one year old.

TABLE OF DEFINITIONS

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water.

Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (ug/L)

ppt: parts per quadrillion or picograms per liter (pg/L)

pCi/L: picocuries per liter (a measure of radiation)

PRIMARY DRINKING WATER STANDARDS (PDWS) (REGULATED IN ORDER TO PROTECT AGAINST POSSIBLE ADVERSE HEALTH EFFECTS)

Constituent	Year	Level	MCL	PHG		
(Unit of Measure)	Sampled	Detected	Range	(MRDL)	(MCLG)	Typical sources of contaminant
Arsenic (As) (ppb)	2013-2014	3	ND-5	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production
Chromium (Total) (ppb)	2013-2014	19	16-25	50	n/a	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (F) (ppm)	2013-2014	ND	ND-0.3	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge
Hexavalent Chromium* (ppb)	2014	19.4	7.1-3.6	10.0	0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities;

*Compliance is determined on a running annual average. Only one sample was collected in 2014, therefore not enough information to determine compliance.

Nitrate (NO3) (ppm)	2014	22.7	3.6-35.9	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage;
Nitrate+Nitrate as N (ppm)	2011-2014	3.03	1.26-4.85	15	0	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Total Radium 228 (pCi/L)	2007-2011	ND	ND-0.508	5	n/a	Erosion of natural deposits.
Selenium (Se) (ppb)	2013-2014	7	ND-10	50	30	Discharge from petroleum, glass, and metal refineries, mines and chemical manu-
Uranium pCi/L	2010-2013	2.011	ND-0.508	5	n/a	Erosion of natural deposits

SECONDARY DRINKING WATER STANDARDS (PDWS) (REGULATED IN ORDER TO PROTECT AGAINST POSSIBLE ADVERSE HEALTH EFFECTS)

Constituent	Year	Level	MCL	PHG		
(Unit of Measure)	Sampled	Detected	Range	(MRDL)	(MCLG)	Typical sources of contaminant
Chloride (ppm)	2013-2014	142	33-317	500	n/a	Runoff and leaching from natural deposits; seawater influence
Color (Unfiltered) Units	2013-2014	1	ND-5	15	n/a	Naturally-occurring organic materials
Iron (Fe) (ppb)	2013-2014	111	ND-300	300	n/a	Leaching from natural deposits; industrial wastes
Specific Conductance	2013-2014	1297	709-1820	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (SO4) (ppm)	2013-2014	323	162-500	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	2013-2014	873	460-1260	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	2013-2014	0.08	ND-2.9	5	n/a	Soil runoff

SAMPLING RESULTS FOR SODIUM AND HARDNESS

Constituent	Year	Level	MCL	PHG		
(Unit of Measure)	Sampled	Detected	Range	(MRDL)	(MCLG)	Typical sources of contaminant
Sodium (NA) (ppm)	2013-2014	121	59-162	none	none	Salt present in the water and is generally naturally occurring
Total Hardness (ppm)	2013-2014	410	237-592	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium,

UNREGULATED CONTAMINANTS

Constituent	Year	Level	Range of	Notification	
(Unit of Measure)	Sampled	Detected	Detections	Level	Health Effects Language
Boron (ppm)	2013-2014	0.5	0.3-0.6	1	The babies of some pregnant women who drink water containing boron or vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals
Vanadium (ppm)	2013-2014	0.007	0.004-0.01	0.05	

FEDERAL DISINFECTANT/DISINFECTANT BYPRODUCT RULE

Constituent	Year	Level	MCL	PHG	Notification	
(Unit of Measure)	Sampled	Detected	Range	(MRDL)	(MCLG)	Typical sources of contaminant
Total Trihalomethanes (TTHMs) (ppb)	2014	7.7	0.8-15.5	80	n/a	By-product of drinking water disinfection.

SAMPLING RESULTS FOR LEAD AND COPPER

Constituent	No. of Samples Collected	90th Percentile Level	No. Site Exceeding AL	AL	PHG	Typical Sources of Contaminant
Lead (ppb)	31 (2006-	0.6	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (ppm)	31 (2006-	0.07	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Appendix H - Patterson Water Rate Structure

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CITY OF PATTERSON

WATER AND WASTEWATER RATE STUDY

Final Draft -- July 12, 2010



BARTLE WELLS ASSOCIATES



Independent Public Finance Advisors
1889 Alcatraz Avenue
Berkeley, CA 94703
Tel: 510.653.3399
Fax: 510.653.3769
www.bartlewells.com

TABLE OF CONTENTS

EXECUTIVE SUMMARY	ES-1
1 Background & Objectives	1
2 Water Rate Study	2
SUMMARY OF KEY FINDINGS AND RECOMMENDATIONS.....	2
WATER ENTERPRISE OVERVIEW	2
Water Customers	2
Current Water Rates	3
Water Consumption	4
TOTAL REVENUE REQUIREMENT	6
Operating Expenses.....	6
Water Capital Improvement Plan	7
Outstanding Debt	8
RESERVE FUNDS	9
REVENUES	9
CASH FLOW PROJECTIONS	10
RECOMMENDED RATE STRUCTURE MODIFICATIONS	13
RECOMMENDED RATES	16
PROJECTED RATE IMPACTS	16
RECOMMENDATION	20
3 Wastewater Rate Study	21
SUMMARY OF KEY FINDINGS AND RECOMMENDATIONS.....	21
SEWER ENTERPRISE OVERVIEW	21
Wastewater Customers.....	21
Current Sewer Rates	22
TOTAL REVENUE REQUIREMENT	22
Operating Expenses.....	23
Sewer Capital Improvement Plan.....	24
Outstanding Debt	25
RESERVE FUNDS	26
REVENUES	26
CASH FLOW PROJECTIONS	27
RATE OPTIONS.....	29
Rate Option 1	30
Rate Option 2	30
PROJECTED RATE IMPACTS	30
SEWER RATE SURVEY	32
RECOMMENDATION	33
4 Proposition 218	34

EXECUTIVE SUMMARY

BACKGROUND AND OBJECTIVES

The City of Patterson (the City) is a general law City located in western Stanislaus County with a population of approximately 21,000. The City owns and operates its own water and wastewater systems. The water and sewer utilities are accounted for as self-supporting enterprise funds; revenues are derived primarily from utility service charges and must be adequate to fund operating and capital needs.

In October 2009, the City retained Bartle Wells Associates to develop a long-term financial plans and 5-year rate recommendations for the water and sewer enterprises. The last water and sewer rate studies were completed in 2005.

WATER RATE STUDY

The City currently provides water service to 5,602 connections, approximately 94% of which are residential customers. The majority of all customers are served by ¾-inch meters. The City's current water rates apply to all customers and are comprised of a monthly service charge and a quantity charge that is applied to the amount of water consumed. The service charge is a fixed charge determined by the size of the water meter. The quantity rate is based on a 3-tiered structure in which the cost of each incremental unit of water increases in steps.

CURRENT WATER RATES (EFFECTIVE JULY 1, 2009)	
Service Charge	
<u>Meter Size</u>	
5/8-inch	\$9.08
3/4-inch	\$9.08
1-inch	\$12.20
1 1/2-inch	\$15.94
2-inch	\$21.91
3-inch	\$39.45
4-inch	\$53.34
6-inch	\$90.70
8-inch	\$131.49
Quantity Charge	
<u>Monthly Use</u>	
0 to 3 ccf	\$1.02
3.1 to 70 ccf	\$1.32
Over 70 ccf	\$2.46
Source: City of Patterson Resolution No. 2006-31	

Summary of Key Findings and Recommendations

- **Financial Overview** - Overall, the City's water enterprise is in good financial condition. Water rates have increased 4 percent annually since the beginning of 2007/08. The combination of small, incremental rate increases and prudent fiscal management has allowed the City to cover expenditures and build fund reserves, which as of July 1, 2009, totaled approximately \$1.7 million.
- **Capital Needs** - The 10-year water capital improvement program from 2010/11 through 2019/20 includes over \$28 million in potential improvements. Adjusting for inflation at 3 percent annually and including factors for contingency and engineering and construction management, the total is projected at \$46 million. Major projects include developing the non-potable water system, groundwater blending, and retrofitting the utilities in the Old Town Area. Projects will be funded through various sources, including rates, bonds, developer contributions, grants, and water impact fees.
- **Operating Cost Inflation** – The City's water operating and maintenance costs have increased over the years. Operating costs, not including transfers, debt service or capital improvement projects, increased about 6 percent in 2009/10 and are projected to increase almost 8 percent in 2010/11. Operating increases in the future include a water meter replacement program, replacing vehicles and equipment, safety upgrades at the water tanks, utilities for two new wells, and new personnel. The operating fund is also required to make annual transfers to the water capital fund and to the general fund.
- **Debt** – The water enterprise presently does not have any outstanding debt, except for vehicle lease payments which will end in 2014/15. However, the City is anticipating three future borrowings over the next ten years to fund capital improvements. The first bond issue is planned for 2010/11 at \$7.5 million; the second borrowing for \$1.5 million in 2013/14; and the third debt issue for \$3 million in 2015/16. Annual debt service for 2010/11 is estimated at \$555,000 and will increase to over \$1 million in 2015/16. The new bond issues will require the City to maintain a debt service coverage ratio of 130 percent of annual debt service.
- **Rate Adjustments** – This report presents two rate adjustment scenarios for consideration. The projected rate adjustments are designed to keep rates in line with cost inflation and to provide sufficient revenues for the City's operating and capital programs while promoting overall conservation. Rate adjustments will take effect on January 1 of each year.

Rate Scenario 1

The first option is based on a 5 percent annual transfer from the operating fund to the capital fund and proposes 4 percent increases beginning in 2010/11 through 2014/15.

PROPOSED RATES SCENARIO 1 - 5% TRANSFER TO CAPITAL								
Current 2009/10				Proposed				
				2010/11	2011/12	2012/13	2013/14	2014/15
% Rate Adjustment				4%	4%	4%	4%	4%
Service Charge	Meter Ratio	Rate	Meter Ratio					
5/8 x 3/4 inch meter	1.0	\$9.08	1.0	\$9.44	\$9.82	\$10.21	\$10.62	\$11.04
3/4 inch meter	1.0	\$9.08	1.0	\$9.44	\$9.82	\$10.21	\$10.62	\$11.04
1 inch meter	1.3	\$12.20	1.3	\$12.69	\$13.20	\$13.73	\$14.28	\$14.85
1-1/2 inch meter	1.8	\$15.94	1.6	\$15.10	\$15.70	\$16.33	\$16.98	\$17.66
2 inch meter	2.4	\$21.91	2.6	\$24.54	\$25.52	\$26.54	\$27.60	\$28.70
3 inch meter	4.3	\$39.45	10.0	\$94.40	\$98.18	\$102.11	\$106.19	\$110.44
4 inch meter	5.9	\$53.34	12.7	\$119.89	\$124.69	\$129.68	\$134.87	\$140.26
6 inch meter	10.0	\$90.70	19.1	\$180.30	\$187.51	\$195.01	\$202.81	\$210.92
8 inch meter	14.5	\$131.49	26.4	\$249.22	\$259.19	\$269.56	\$280.34	\$291.55
Quantity Rate per ccf	Tiers	Rate	Tiers					
Tier 1	0 - 3	\$1.02	0 - 3	\$1.06	\$1.10	\$1.14	\$1.19	\$1.24
Tier 2	3.1 - 70	\$1.32	3.1 - 20	\$1.37	\$1.42	\$1.48	\$1.54	\$1.60
Tier 3	70.1 +	\$2.46	20.1 - 50	\$1.67	\$1.74	\$1.81	\$1.88	\$1.96
Tier 4	n/a	n/a	50.1 +	\$2.36	\$2.45	\$2.55	\$2.65	\$2.76

Rate Scenario 2

The second option is based on a 10 percent annual transfer to the capital fund and proposes 5 percent increases for the next five years.

PROPOSED RATES SCENARIO 2 - 10% TRANSFER TO CAPITAL								
Current 2009/10				Proposed				
				2010/11	2011/12	2012/13	2013/14	2014/15
% Rate Adjustment				5%	5%	5%	5%	5%
Service Charge	Meter Ratio	Rate	Meter Ratio					
5/8 x 3/4 inch meter	1.0	\$9.08	1.0	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59
3/4 inch meter	1.0	\$9.08	1.0	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59
1 inch meter	1.3	\$12.20	1.3	\$12.81	\$13.45	\$14.12	\$14.83	\$15.57
1-1/2 inch meter	1.8	\$15.94	1.6	\$15.25	\$16.01	\$16.81	\$17.65	\$18.53
2 inch meter	2.4	\$21.91	2.6	\$24.78	\$26.02	\$27.32	\$28.69	\$30.12
3 inch meter	4.3	\$39.45	10.0	\$95.30	\$100.07	\$105.07	\$110.32	\$115.84
4 inch meter	5.9	\$53.34	12.7	\$121.03	\$127.08	\$133.43	\$140.10	\$147.11
6 inch meter	10.0	\$90.70	19.1	\$182.02	\$191.12	\$200.68	\$210.71	\$221.25
8 inch meter	14.5	\$131.49	26.4	\$251.59	\$264.17	\$277.38	\$291.25	\$305.81
Quantity Rate per ccf	Tiers	Rate	Tiers					
Tier 1	0 - 3	\$1.02	0 - 3	\$1.07	\$1.12	\$1.18	\$1.24	\$1.30
Tier 2	3.1 - 70	\$1.32	3.1 - 20	\$1.39	\$1.46	\$1.53	\$1.61	\$1.69
Tier 3	70.1 +	\$2.46	20.1 - 50	\$1.69	\$1.77	\$1.86	\$1.95	\$2.05
Tier 4	n/a	n/a	50.1 +	\$2.38	\$2.50	\$2.63	\$2.76	\$2.90

- **Rate Structure Adjustments** – BWA recommends two modifications to the City’s current rate structure.

Align Fixed Meter Charges with Accepted Meter Ratios

BWA recommends the City align its meter charges with standards established by the American Water Works Association (AWWA). The current ratios for the larger meters are lower than those recommended by the AWWA. The proposed ratios will better align the cost of service to meter capacity.

EQUIVALENT METER RATIOS		
Meter Size	Current Ratios	Proposed AWWA Meter Ratios
5/8"	1.0	1.0
3/4"	1.0	1.0
1"	1.3	1.3
1 1/2"	1.8	1.6
2"	2.4	2.6
3"	4.3	10.0
4"	5.9	12.7
6"	10.0	19.1
8"	14.5	26.4

Revise Consumption Tier Breakpoints

BWA also recommends adding a fourth tier to the quantity rate structure to better distribute water sales. The current tier structure includes three tiers with the majority of water sold at the second tier. The proposed rate structure is designed to minimize the impact on residential customers who use low to average consumption by providing ample water use for the typical single family customer while encouraging conservation.

PROPOSED TIER STRUCTURE					
Tier	Use (ccf)	Number of Bills Ending		Water Consumption (ccf)	
		in Tier	% of Total	in Tier	% of Total
Current Tiers					
Tier 1	0 - 3	4,506	7.0%	189,515	12.1%
Tier 2	3.1 - 70	58,384	90.4%	1,054,942	67.6%
Tier 3	70.1 +	<u>1,684</u>	<u>2.6%</u>	<u>317,159</u>	<u>20.3%</u>
Total		64,574	100.0%	1,561,616	100.0%
Proposed Tiers					
Tier 1	0 - 3	4,506	7.0%	189,515	12.1%
Tier 2	3.1 - 20	37,367	57.9%	706,567	45.2%
Tier 3	20.1 - 50	19,138	29.6%	295,645	18.9%
Tier 4	50.1 +	<u>3,563</u>	<u>5.5%</u>	<u>369,889</u>	<u>23.7%</u>
Total		64,574	100.0%	1,561,616	100.0%

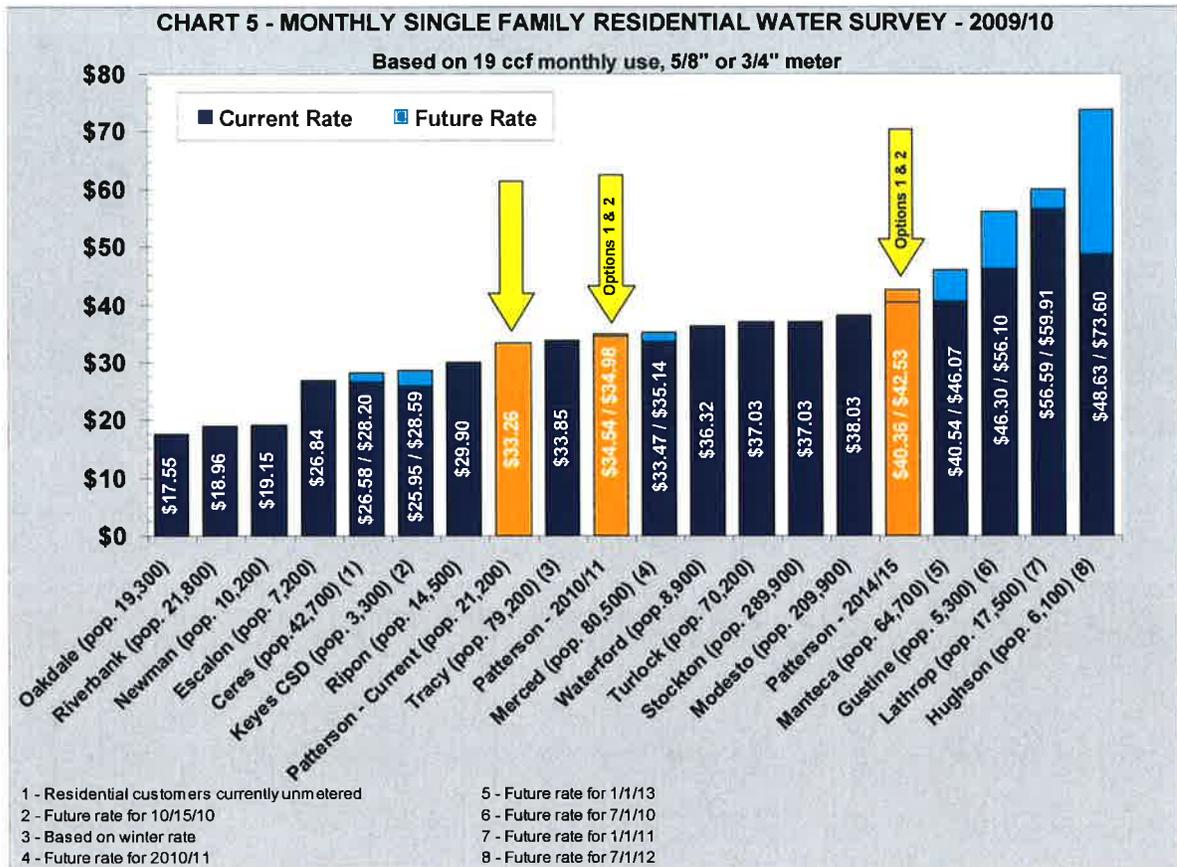
- **Rate Impacts** – Due to the structural changes in the rate tiers, some customers may face slightly higher or slightly lower impacts based on actual water consumption. The recommended rate adjustments will have the least impact on customers using low to average water use. The goal is to promote conservation while minimizing the impacts on customers who use water efficiently.

IMPACTS FOR SINGLE FAMILY RESIDENTIAL CUSTOMERS				
Customer	Monthly Use (ccf)	2009/10 Current	Projected Monthly Bills	
			Option 1 - 4%	Option 2 - 5%
Single Family Residential - 5/8" or 3/4" meter				
<u>Tier 1</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	3	\$3.06	\$3.18	\$3.21
<i>Increase \$</i>			\$0.12	\$0.15
<i>Increase %</i>			3.9%	4.9%
Total Water Service Charge		\$12.14	\$12.62	\$12.74
<i>Increase \$</i>			\$0.48	\$0.60
<i>Increase %</i>			4.0%	4.9%
<u>Tier 2 - Average Use</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	19	\$24.18	\$25.10	\$25.45
<i>Increase \$</i>			\$0.92	\$1.27
<i>Increase %</i>			3.8%	5.3%
Total Water Service Charge		\$33.26	\$34.54	\$34.98
<i>Increase \$</i>			\$1.28	\$1.72
<i>Increase %</i>			3.8%	5.2%
<u>Tier 3</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	35	\$45.30	\$51.52	\$52.19
<i>Increase \$</i>			\$6.22	\$6.89
<i>Increase %</i>			13.7%	15.2%
Total Water Service Charge		\$54.38	\$60.96	\$61.72
<i>Increase \$</i>			\$6.58	\$7.34
<i>Increase %</i>			12.1%	13.5%
<u>Tier 4</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	60	\$78.30	\$100.17	\$101.34
<i>Increase \$</i>			\$21.87	\$23.04
<i>Increase %</i>			27.9%	29.4%
Total Water Service Charge		\$87.38	\$109.61	\$110.87
<i>Increase \$</i>			\$22.23	\$23.49
<i>Increase %</i>			25.4%	26.9%

IMPACTS FOR NON-SINGLE FAMILY RESIDENTIAL CUSTOMERS				
Customer	Monthly Use (ccf)	2009/10 Current	Projected Monthly Bills	
			Option 1 - 4%	Option 2 - 5%
Non-Single Family Residential				
<u>5/8" Meter</u>				
Service Charge		\$9.08	\$9.44	\$9.53
Increase \$			\$0.36	\$0.45
Increase %			4.0%	5.0%
Quantity Charge	10	\$12.30	\$12.77	\$12.94
Increase \$			\$0.47	\$0.64
Increase %			3.8%	5.2%
Total Water Service Charge		\$21.38	\$22.21	\$22.47
Increase \$			\$0.83	\$1.09
Increase %			3.9%	5.1%
<u>3/4" Meter</u>				
Service Charge		\$9.08	\$9.44	\$9.53
Increase \$			\$0.36	\$0.45
Increase %			4.0%	5.0%
Quantity Charge	14	\$17.58	\$18.25	\$18.50
Increase \$			\$0.67	\$0.92
Increase %			3.8%	5.2%
Total Water Service Charge		\$26.66	\$27.69	\$28.03
Increase \$			\$1.03	\$1.37
Increase %			3.9%	5.1%
<u>1" Meter</u>				
Service Charge		\$12.20	\$12.69	\$12.81
Increase \$			\$0.49	\$0.61
Increase %			4.0%	5.0%
Quantity Charge	22	\$28.14	\$29.81	\$30.22
Increase \$			\$1.67	\$2.08
Increase %			5.9%	7.4%
Total Water Service Charge		\$40.34	\$42.50	\$43.03
Increase \$			\$2.16	\$2.69
Increase %			5.4%	6.7%
<u>1 1/2" Meter</u>				
Service Charge		\$15.94	\$15.10	\$15.25
Increase \$			(\$0.84)	(\$0.69)
Increase %			-5.3%	-4.3%
Quantity Charge	26	\$33.42	\$36.49	\$36.98
Increase \$			\$3.07	\$3.56
Increase %			9.2%	10.7%
Total Water Service Charge		\$49.36	\$51.59	\$52.23
Increase \$			\$2.23	\$2.87
Increase %			4.5%	5.8%
<u>2" Meter</u>				
Service Charge		\$21.91	\$24.54	\$24.78
Increase \$			\$2.63	\$2.87
Increase %			12.0%	13.1%
Quantity Charge	58	\$75.66	\$95.45	\$96.58
Increase \$			\$19.79	\$20.92
Increase %			26.2%	27.7%
Total Water Service Charge		\$97.57	\$119.99	\$121.36
Increase \$			\$22.42	\$23.79
Increase %			23.0%	24.4%
<u>3" Meter</u>				
Service Charge		\$39.45	\$94.40	\$95.30
Increase \$			\$54.95	\$55.85
Increase %			139.3%	141.6%
Quantity Charge	92	\$145.62	\$175.69	\$177.50
Increase \$			\$30.07	\$31.88
Increase %			20.6%	21.9%
Total Water Service Charge		\$185.07	\$270.09	\$272.80
Increase \$			\$85.02	\$87.73
Increase %			45.9%	47.4%
<u>4" Meter</u>				
Service Charge		\$53.34	\$119.89	\$121.03
Increase \$			\$66.55	\$67.69
Increase %			124.8%	126.9%
Quantity Charge	108	\$184.98	\$213.45	\$215.58
Increase \$			\$28.47	\$30.60
Increase %			15.4%	16.5%
Total Water Service Charge		\$238.32	\$333.34	\$336.61
Increase \$			\$95.02	\$98.29
Increase %			39.9%	41.2%

WATER RATE SURVEY

A 2009/10 rate survey of the surrounding region shows that the City's current water rate for a residential customer falls in the mid-range. The survey is based on a single family residential customer with either a 5/8 inch or 3/4 inch meter consuming 19 ccf per month. The survey compares the City's current and proposed water rates for 2010/11 and 2014/15 for both rate options. Future rate increases for many agencies are unknown; the cities and agencies that have approved multi-year increases are shown. The City's future water rates are also expected to fall in the mid-range.



RECOMMENDATION

Based on input from the Project Team, BWA recommends implementing Water Rate Scenario #1 which is based on a 5 percent annual transfer to the capital fund and implementing the rate structure adjustments. The rate increases and structural modifications will enable the water enterprise to fund its future operating and maintenance expenses and capital improvement program while maintaining an adequate level of debt service coverage and utility reserves. For a typical single family residential customer using 19 hcf a month, the rate increase for 2010/11 will result in a \$1.28 monthly increase.

SEWER RATE STUDY – EXECUTIVE SUMMARY

The City currently provides wastewater service to approximately 6,481 customers. The majority of customers are single family residential, accounting for nearly 89 percent of all customers. The City also provides sewer service to approximately 400 customers in Diablo Grande. Residential customers are charged a flat monthly charge. Commercial customers are charged the same flat charge but are also billed a consumption rate per hundred cubic feet (ccf) for any water use over 10 ccf. The rate for industrial customers is based on actual flow, biochemical oxygen demand and suspended solids discharge. Diablo Grande customers are charged a flat charge equivalent to 1.5 times the current rate.

CURRENT SEWER RATES (EFFECTIVE JULY 1, 2009)	
Residential	
Flat Rate	\$26.36
Diablo Grande	\$39.54
Commercial	
Flat Rate includes 10 ccf	\$26.36
Over 10 ccf - rate per ccf	\$1.50
Industrial	
Flow - per gallon	\$0.00330579
BOD - per lb	\$0.41529618
SS - per lb	\$0.41529618
Source: City of Patterson Resolution No. 2005- 82	

- **Financial Overview** – Overall, the City’s sewer enterprise is in sound financial condition. Sewer rates increased 14 percent in 2006/07 and 2007/08 and 6 percent in 2008/09 and 2009/10. The enterprise maintains a healthy level of fund reserves. As of July 1, 2009, the enterprise had about \$3.3 million in operating and capital reserves.
- **Capital Needs** - The 10-year sewer capital improvement program from 2010/11 through 2019/20 includes over \$16 million in potential improvements. Adjusting for inflation at 3 percent annually and including factors for contingency and engineering and construction management, the total is projected at \$26 million. Major projects include biosolids handling, a wastewater treatment plant expansion, and retrofitting utilities in the Old Town Area. Projects will be funded through various sources, including rates, bonds, developer contributions, grants, and sewer impact fees.
- **Operating Cost Inflation** – The City’s sewer operating and maintenance costs have increased over the years. Operating costs, not including transfers, debt service or capital improvement projects, increased about 27 percent in 2009/10 and are projected to increase roughly 20 percent in 2010/11. Future operating increases in the future include biosolids removal, implementing a FOG program, replacing vehicles and

equipment, and new personnel. The operating fund is also required to make annual transfers to the sewer capital fund and to the general fund.

- **Debt** – The sewer enterprise presently has four outstanding debt issues and a vehicle lease payment. In 2009/10, the City sold \$3,195,000 in sewer revenue bonds and received at \$1,095,000 State Revolving Fund loan to fund capital improvements. Future debt obligations include repaying an \$850,000 loan from the general fund and a \$2.5 million borrowing in 2013/14. Annual debt service for 2010/11 is estimated at \$321,000 and will increase to over \$700,000 in 2013/14.

The City has to legally abide by a number of debt covenants designed to ensure adequate repayment security. The first covenant requires the City to maintain a debt service coverage ratio of 130 percent on income from all revenues including sewer impact fees. The second covenant requires the City to achieve 115 percent coverage on annual debt service based solely on operating revenues.

- **Rate Adjustments** – The proposed rate adjustments are designed to keep rates in line with cost inflation and to provide sufficient revenues for the City's operating and capital programs. The adjustments are needed to fund operating expenditures and capital projects and to meet debt service covenants. Rate adjustments will take effect on September 3, 2010 for the first year and on July 1 of each year thereafter.
- **Rate Options** – Working in close coordination with City staff, BWA developed two rate options for consideration by the City Council.

Rate Option 1

The first rate option is to maintain the City's current rate structure escalated by the proposed rates. The residential rate remains a monthly fixed charge. Commercial customers are charged a fixed charge in addition to a consumption charge for any water consumed over 10 ccf. In previous years, the consumption rate has not been escalated. However, BWA is recommending increasing the commercial consumption rate by the same percentage as the fixed charge. BWA also recommends increasing the industrial rates yearly by the same percentage.

SEWER RATE OPTION 1						
	Current			Proposed		
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
<i>% Rate Adjustment</i>		8%	8%	8%	6%	6%
Residential						
Flat Rate	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31
Diablo Grande - Flat Rate	\$39.54	\$42.71	\$46.13	\$49.82	\$52.80	\$55.97
Commercial						
Flat Rate includes 10 ccf	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31
Over 10 ccf - rate per ccf	\$1.50	\$1.62	\$1.75	\$1.89	\$2.00	\$2.12
Industrial						
Flow - per gallon	\$0.00330579	\$0.00357025	\$0.00385587	\$0.00416434	\$0.00441420	\$0.00467905
BOD - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536
SS - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536

Rate Option 2

The second rate option maintains the current residential flat rate. Commercial customers will be charged the same flat rate plus a consumption charge for water use over 8 ccf that is weighted by business type. The amount of water has been decreased from 10 ccf to 8 ccf to make the commercial rates more equitable with residential rates. Typical winter water use for residential customers is 8 ccf per month.

For the commercial consumption rates, there are two strength categories – domestic and medium/high. Domestic strength customers include offices, retail, schools and health services, comprising nearly 85 percent of all commercial customers. The medium/high strength category includes markets, delis, mixed use, RV parks, and restaurants. Approximately 35 businesses fall into the higher strength category. Similar to the rate option 1, BWA recommends increasing both the commercial consumption rate and industrial rates annually.

SEWER RATE OPTION 2						
	Current	Proposed				
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
<i>% Rate Adjustment</i>		8%	8%	8%	6%	6%
Residential						
Flat Rate	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31
Diablo Grande - Flat Rate	\$39.54	\$42.71	\$46.13	\$49.82	\$52.80	\$55.97
Commercial						
Flat Rate includes 8 ccf	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31
Consumption Charge per ccf						
Domestic	1.0	\$1.50	\$1.62	\$1.75	\$1.89	\$2.00
Medium/High	1.5	\$1.50	\$2.43	\$2.62	\$2.83	\$3.00
Industrial						
Flow - per gallon	\$0.00330579	\$0.00357025	\$0.00385587	\$0.00416434	\$0.00441420	\$0.00467905
BOD - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536
SS - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536

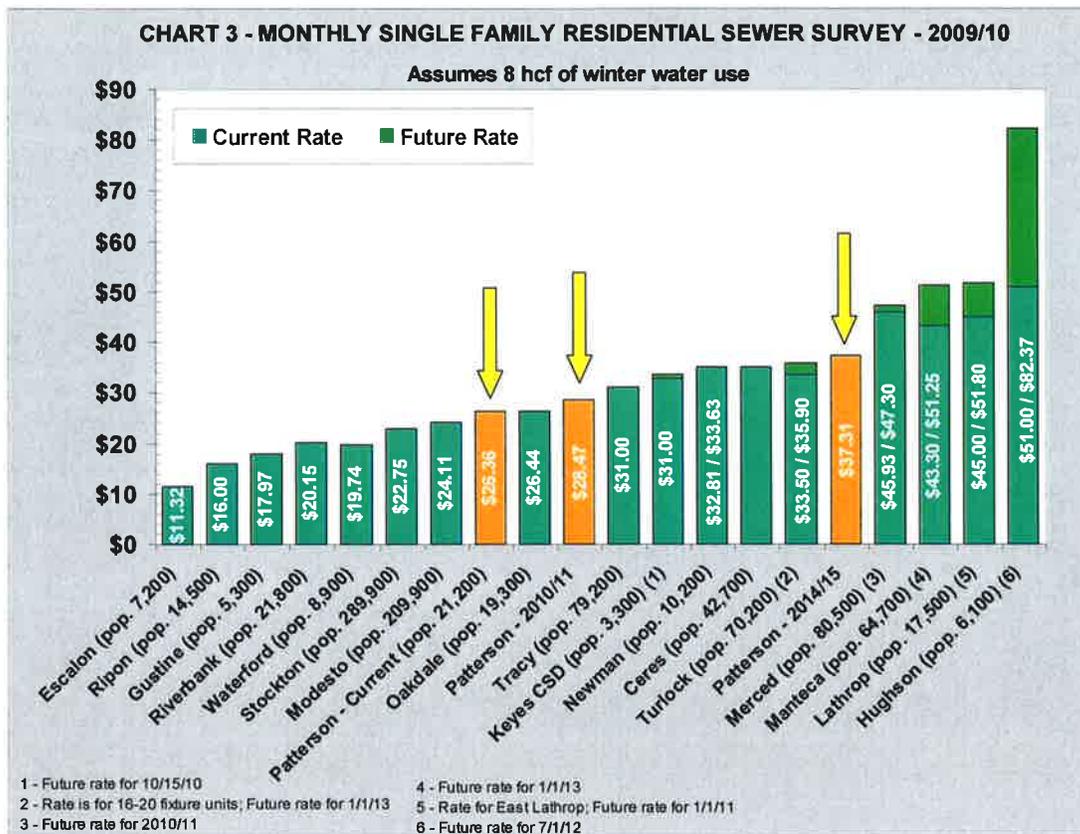
- **Rate Impacts** – The goal is to minimize the impact on all customers. For both rate options, there are no changes to the residential fixed rate. Because of the structural changes proposed in the second rate option, some commercial customers may face slightly higher or slightly lower impacts based on actual water consumption and business type.

IMPACTS FOR CUSTOMERS				
	Monthly Use (ccf)	2009/10 Rate	Projected 2010/11 Monthly Bill	
			Option 1	Option 2
Single Family Residential				
Flat Rate		\$26.36	\$28.47	\$28.47
Consumption Rate		\$0.00	\$0.00	\$0.00
Total Sewer Service Charge		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Commercial				
<u>Domestic Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	10	\$0.00	\$0.00	\$3.24
Increase \$			\$0.00	\$3.24
Increase %			0.0%	100.0%
Total Sewer Service Charge		\$26.36	\$28.47	\$31.71
Increase \$			\$2.11	\$5.35
Increase %			8.0%	20.3%
<u>Domestic Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	45	\$52.50	\$56.70	\$59.94
Increase \$			\$4.20	\$7.44
Increase %			8.0%	14.2%
Total Sewer Service Charge		\$78.86	\$85.17	\$88.41
Increase \$			\$6.31	\$9.55
Increase %			8.0%	12.1%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	29	\$28.50	\$30.78	\$51.03
Increase \$			\$2.28	\$22.53
Increase %			8.0%	79.1%
Total Sewer Service Charge		\$54.86	\$59.25	\$79.50
Increase \$			\$4.39	\$24.64
Increase %			8.0%	44.9%

<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	52	\$63.00	\$68.04	\$106.92
<i>Increase \$</i>			\$5.04	\$43.92
<i>Increase %</i>			8.0%	69.7%
Total Sewer Service Charge		\$89.36	\$96.51	\$135.39
<i>Increase \$</i>			\$7.15	\$46.03
<i>Increase %</i>			8.0%	51.5%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	84	\$111.00	\$119.88	\$184.68
<i>Increase \$</i>			\$8.88	\$73.68
<i>Increase %</i>			8.0%	66.4%
Total Sewer Service Charge		\$137.36	\$148.35	\$213.15
<i>Increase \$</i>			\$10.99	\$75.79
<i>Increase %</i>			8.0%	55.2%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	223	\$319.50	\$345.06	\$522.45
<i>Increase \$</i>			\$25.56	\$202.95
<i>Increase %</i>			8.0%	63.5%
Total Sewer Service Charge		\$345.86	\$373.53	\$550.92
<i>Increase \$</i>			\$27.67	\$205.06
<i>Increase %</i>			8.0%	59.3%

SEWER RATE SURVEY

A 2009/10 rate survey of the surrounding area shows that the City's current sewer rate for a single family residential customer falls in the mid-range. The survey compares the City's current and proposed sewer rates for 2010/11 and 2014/15. Future rate increases for many agencies are unknown; the cities and agencies that have approved multi-year increases are shown. The City's future sewer rates are also expected to fall in the mid-range.



RECOMMENDATION

Based on input from the Project Team, BWA recommends implementing Sewer Rate Option #1 in order to fund the sewer enterprise's long-term operating and maintenance expenses and capital improvement program while maintaining an adequate level of debt service coverage and utility reserves. For a typical single family residential customer, the rate increase for 2010/11 will result in a \$2.11 monthly increase.

1 BACKGROUND & OBJECTIVES

The City of Patterson (the City) is a general law City located in western Stanislaus County with a population of approximately 21,000. The City owns and operates its own water and wastewater systems. The water and sewer utilities are accounted for as self-supporting enterprise funds; revenues are derived primarily from utility service charges and must be adequate to fund operating and capital needs.

In October 2009, the City retained Bartle Wells Associates (BWA) to develop comprehensive rate and fee studies for the water and sewer enterprises. The last water and sewer rate studies were completed in 2005 and included five years of rate increases. Basic objectives of our study included:

- Conduct an independent analysis of water and wastewater rates and finances.
- Develop cash flow projections incorporating reasonable estimates of future operating expenses. Coordinate construction and financing capital improvement projects for the water and wastewater enterprise.
- Determine the annual revenue requirement.
- Evaluate water and wastewater rate structure.
- Recommend rate adjustments for the next five years to support the long-term financial health of the water and wastewater enterprise.
- Phase in rate adjustments over time, to the extent possible, to minimize the annual impact on ratepayers.
- Calculate impacts on the City's customers.

This report presents key findings and recommendations of our study. The recommendations were developed with substantial input from the City.

2 WATER RATE STUDY

SUMMARY OF KEY FINDINGS AND RECOMMENDATIONS

- **Financial Overview** - Overall, the City's water enterprise is in good financial condition. The combination of small, incremental rate increases and prudent fiscal management has allowed the City to cover expenditures and build fund reserves, which as of July 1, 2009, totaled approximately \$1.8 million.
- **Rate Adjustments** – This report presents two rate adjustment scenarios for consideration. The first option is based on a 5 percent annual transfer from the operating fund to the capital fund and proposes 4 percent increases beginning in 2010/11 through 2014/15. The second option is based on a 10 percent annual transfer to the capital fund and proposes 5 percent increases for the next five years. The projected rate adjustments are designed to keep rates in line with cost inflation and to provide sufficient revenues for the City's operating and capital programs while promoting overall conservation.
- **Rate Structure Adjustments** – This report recommends two modifications to the City's current rate structure. BWA recommends the City align its meter charges with standards established by the American Water Works Association (AWWA). The proposed ratios will better align the cost of service to meter capacity. BWA also recommends adding a fourth tier to the quantity rate structure to better distribute water sales. The rate structure is designed to provide ample water use for the typical single family customer.
- **Rate Impacts** – Due to the structural changes in the rate tiers, some customers may face slightly higher or slightly lower impacts based on actual water consumption. The recommended rate adjustments will have the least impact on customers using low to average water use. The goal is to promote conservation while minimizing the impacts on customers who use water efficiently.

WATER ENTERPRISE OVERVIEW

Water Customers

The City currently provides water service to 5,602 connections, approximately 94% of which are residential customers as shown on Table 1. The majority of all customers are served by ¾-inch meters.

TABLE 1 - NUMBER OF WATER ACCOUNTS (1)						
Meter Size	Meter Code	Residential	Multi Family	Commercial	Irrigation	Total
5/8"	WA58	837	7	80	4	928
3/4"	WA34	4279	3	6	3	4291
1"	WA10	161	7	42	14	224
1 1/2"	WA15	2	2	10	4	18
2"	WA20	0	2	53	59	114
3"	WA30	0	0	8	8	16
4"	WA40	0	1	5	2	8
6"	WA60	0	0	0	1	1
8"	WA80	0	0	0	0	0
3/4" Temp	WATTP	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>
Total		5279	22	206	95	5602
<i>% of Total</i>		<i>94.2%</i>	<i>0.4%</i>	<i>3.7%</i>	<i>1.7%</i>	<i>100.0%</i>

1 - Based on data from 2008/09

Current Water Rates

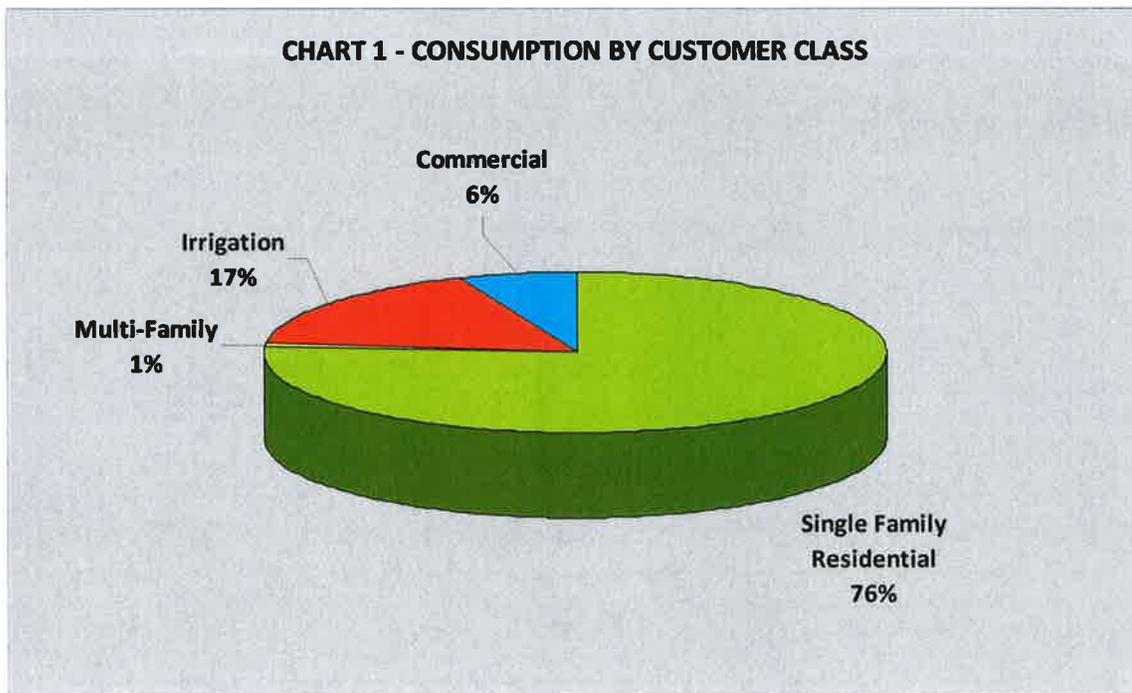
The City's current water rates apply to all customers and are comprised of a monthly service charge and a quantity charge that is applied to the amount of water consumed. The service charge is a fixed charge determined by the size of the water meter. The quantity rate is tiered so that the cost of each incremental unit of water increases in steps. The City currently collects roughly 79 percent of water sales revenue from the quantity charge and 21 percent from the fixed charge. The rate structure currently has three tiers as shown in Table 2.

TABLE 2 - CURRENT WATER RATES (EFFECTIVE JULY 1, 2009)	
Service Charge	
<u>Meter Size</u>	
5/8-inch	\$9.08
3/4-inch	\$9.08
1-inch	\$12.20
1 1/2-inch	\$15.94
2-inch	\$21.91
3-inch	\$39.45
4-inch	\$53.34
6-inch	\$90.70
8-inch	\$131.49
Quantity Charge	
<u>Monthly Use</u>	
0 to 3 ccf	\$1.02
3.1 to 70 ccf	\$1.32
Over 70 ccf	\$2.46
Source: City of Patterson Resolution No. 2006-31	

Water Consumption

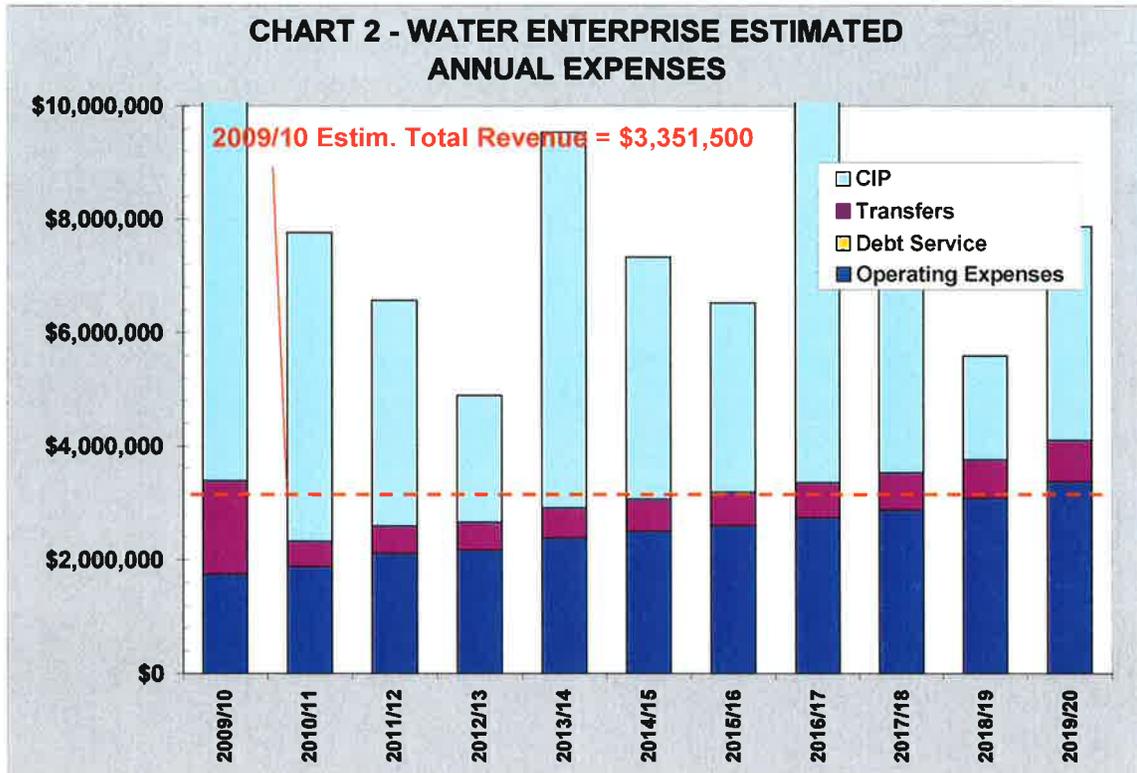
BWA analyzed water consumption for 2007/08 and 2008/09 as shown on Table 3. Annual water consumption totaled 1,561,616 hcf, a 7.0 percent decrease from 2007/08. Residential consumption totaled approximately 1.2 million hcf or 76 percent of all water use. Multi-family, irrigation, and commercial customer use totaled roughly 372,000 hcf, equal to about 24 percent of all consumption. Average monthly residential water use for 2008/09 is 19 hcf.

TABLE 3 - ANNUAL WATER CONSUMPTION BY TIER					
Tier	Bi-Monthly Use (hcf)	Number of Bills Ending		Water Consumption (hcf)	
		in Tier	% of Total	in Tier	% of Total
2007/08					
Tier 1	0 - 3	3,949	6.0%	193,877	11.6%
Tier 2	3.1 - 70	60,185	91.4%	1,166,115	69.5%
Tier 3	70.1 +	<u>1,747</u>	<u>2.7%</u>	<u>318,126</u>	<u>19.0%</u>
Total		65,881	100.0%	1,678,118	100.0%
2008/09					
Tier 1	0 - 3	4,506	7.0%	189,515	12.1%
Tier 2	3.1 - 70	58,384	90.4%	1,054,942	67.6%
Tier 3	70.1 +	<u>1,684</u>	<u>2.6%</u>	<u>317,159</u>	<u>20.3%</u>
Total		64,574	100.0%	1,561,616	100.0%
Two-Year Average					
Tier 1	0 - 3	4,228	6.5%	191,696	11.8%
Tier 2	3.1 - 70	59,285	90.9%	1,110,529	68.6%
Tier 3	70.1 +	<u>1,716</u>	<u>2.6%</u>	<u>317,643</u>	<u>19.6%</u>
Total		65,228	100.0%	1,619,867	80.4%



TOTAL REVENUE REQUIREMENT

For 2010/11, the total revenue requirement including operating expenses, transfers, debt service and capital projects, is about \$8 million. Operating expenses account for 23 percent of the revenue requirement, while capital improvement projects make up 65 percent of the total. Debt service and transfers account for 7 percent and 5 percent, respectively. These percentages will vary each year based on the water budget and CIP. Chart 2 graphically depicts the City's estimated expenditures beginning in 2009/10 through 2018/19.



Operating Expenses

Total operating expenses for 2010/11 are projected at approximately \$1.9 million. Operating expenses include salary and benefits, operations and maintenance, ongoing capital replacement and repairs. All operating expenses, except for salaries, have been escalated by 3 percent each year. Salary and benefits are escalated by 5 percent yearly. Utilities for 2 new wells have been increased by 7 percent in 2012/13.

The operating fund is required to make two transfers each year. The first transfer is to the general fund to cover overhead and administrative costs and is equal to 15 percent of operating expenses. The second transfer is to the water capital fund, and the amount is based on excess operating revenues available at the end of the fiscal year. BWA recommends that the annual transfer from the operating fund to the capital fund be based

on a percentage of total water sales revenue to ensure that a portion of sewer service charge revenues is allocated to fund capital projects yearly.

TABLE 4 - WATER OPERATING EXPENSES												
	Budget	Escalation	Projected									
	2009/10	Factor	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Operating Expenses												
Salary & Benefits (1)	\$886,876	5.0%	\$931,000	\$978,000	\$1,055,000	\$1,172,000	\$1,260,000	\$1,323,000	\$1,389,000	\$1,458,000	\$1,531,000	\$1,684,000
Operations & Maintenance (less Utilities - Wells) (2)	560,720	3.0%	618,000	592,000	639,000	691,000	710,000	729,000	749,000	769,000	790,000	854,000
Automatic Payment/Credit Card Payment Fee (3)	10,000	3.0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Utilities - Wells (4)	180,000	3.0%	185,000	191,000	205,000	211,000	217,000	224,000	231,000	238,000	245,000	252,000
Capital (R & R) (5)	110,000	3.0%	138,000	339,000	255,000	293,000	302,000	311,000	365,000	406,000	508,000	573,000
TOTAL OPERATING EXPENSES	1,747,596		1,862,000	2,110,000	2,164,000	2,377,000	2,498,000	2,597,000	2,744,000	2,881,000	3,084,000	3,373,000
<i>Percent Change</i>	5.7%		7.7%	12.1%	2.6%	9.8%	5.1%	3.9%	5.7%	5.0%	7.0%	9.4%

1 - Includes Projected Personnel Costs Through 2019/20
2 - Includes Projected Utility Vehicle and Tool Costs for new personnel. Includes Water Meter Replacements - \$40,000 in 2010/11 and 2011/12 and \$70,000 annually thereafter
3 - Setup and annual costs for automatic payment to be determined
4 - Utilities increased by 7% in 2012/13 for 2 new wells
5 - Includes Projected Equipment and Vehicle Needs Through 2019/20. Includes \$150,000 in 2011/12 for safety upgrades at water tanks

Water Capital Improvement Plan

The 10-year water capital improvement program from 2010/11 through 2019/20 includes over \$28 million in potential improvements. Adjusting for inflation at 3 percent annually and including factors for contingency and engineering and construction management, the total is projected at \$46 million. The water capital projects are broken out into three categories: Operations and Maintenance/Miscellaneous, Water Program, and Retrofit and Replacement. Major projects include developing the non-potable water system, groundwater blending, and retrofitting the utilities in the Old Town Area. Projects will be funded through various sources, including rates, bonds, developer contributions, grants, and sewer impact fees. Table 5 outlines the City's water capital improvement program. The CIP will be reviewed and updated annually by City staff.

TABLE 5 - WATER CAPITAL IMPROVEMENT PROGRAM												
	Budget		Projected								Total Ten Year CIP	
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19		2019/20
Operations & Maintenance / Misc. Projects												
Development of New Corp Yard (7550)	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gateway Tank Improvements (7568)	0	20,000	0	0	0	0	0	0	0	0	0	20,000
Building Around Well #5 (7552)	0	0	400,000	0	0	0	0	0	0	0	0	400,000
<u>Consulting Services/Misc. (6221)</u>	<u>5,000</u>	<u>0</u>										
Subtotal Operations & Maintenance / Misc. Projects	1,405,000	20,000	400,000	0	0	0	0	0	0	0	0	420,000
Water Program Projects												
El Cirulo Project (7572)	20,000	0	0	0	0	0	0	0	0	0	0	0
S. First Street Water Line (7580)	66,000	0	0	0	0	0	0	0	0	0	0	0
Old Town UT Master Plan (7581)	0	0	0	0	0	0	0	0	0	0	0	0
Non-Potable Ph I-Keystone Well Site Improvements	0	420,000	0	0	0	0	0	0	0	0	0	420,000
Groundwater Management (7586)	10,000	100,000	100,000	0	0	0	0	0	0	0	0	200,000
Water Treatment Plant Conceptual Design (7602)	0	75,000	0	0	0	0	0	0	0	0	0	75,000
Well 9 - Engineering (7592)	0	0	0	0	0	0	0	0	0	0	0	0
Well 9 - Destruction (7590)	0	0	0	0	0	0	0	0	0	0	0	0
Well 9 - Drilling (7591)	0	0	0	0	0	0	0	0	0	0	0	0
Well 9 - Construction & Site Improvements (7593)	839,778	0	0	0	0	0	0	0	0	0	0	0
Groundwater Blending Environmental (7594)	0	0	0	0	0	2,000,000	2,000,000	2,000,000	1,000,000	1,000,000	0	8,000,000
Install T-Main, Well #5 to Well #7	0	0	275,000	0	0	0	0	0	0	0	0	275,000
Install T-Main, Well #7 to Orange Ave	0	0	0	460,000	0	0	0	0	0	0	0	460,000
Water Quality station Orange Ave	0	0	0	0	200,000	0	0	0	0	0	0	200,000
Well #12 & #13 - Environmental	0	0	0	0	0	0	0	0	0	0	0	0
Well #13 - Test Hole	80,000	0	0	0	0	0	0	0	0	0	0	0
Well #13 - Well Construction (7595)	0	275,000	0	0	0	0	0	0	0	0	0	275,000
Well #13 - Site Improvements	0	750,000	0	0	0	0	0	0	0	0	0	750,000
NP Test Well - Keystone (7599)	12,800	0	0	0	0	0	0	0	0	0	0	0
NP Ph 1 - Pipeline Project (7596)	869,520	0	0	0	0	0	0	0	0	0	0	0
NP Ph 1 - Design (7601)	88,500	0	0	0	0	0	0	0	0	0	0	0
NP Ph 2 - Design (7598)	0	0	0	0	0	0	0	0	0	0	0	0
NP Ph 2 - 3 Well test holes	0	84,000	0	0	0	0	0	0	0	0	0	84,000
NP Ph 2 - 9,000 If pipeline	0	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
Walnut Grove School NP Well	0	550,000	0	0	0	0	0	0	0	0	0	550,000
NP Ph 3 - Storage/pumping station	0	500,000	1,500,000	0	0	0	0	0	0	0	0	2,000,000
NP Ph 3 - New Well	0	0	400,000	0	0	0	0	0	0	0	0	400,000
NP Ph 4 - System Piping	0	0	0	750,000	0	0	0	0	0	0	0	750,000
NP Ph 5 - System Piping	0	0	0	0	750,000	0	0	0	0	0	0	750,000
NP Ph 6	0	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
NP Ph 7	0	0	0	0	0	0	0	0	0	0	0	0
NP Ph 8	0	0	0	0	0	0	0	0	0	0	0	0
N First St Water Line	0	0	0	0	0	630,000	0	0	0	0	0	630,000
Surface water/Water treatment	0	0	0	0	0	0	2,000,000	2,000,000	0	2,000,000	0	6,000,000
Water Treatment Facilities, storage, aqueduct turnout	0	0	0	0	0	0	0	0	0	0	0	0
Non-Potable Ph 2 - Well #4 Rehab -7597 (2)	270,000	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Facilities, storage, aqueduct turnout	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Water Program Projects	2,256,398	3,754,000	2,275,000	1,210,000	950,000	2,630,000	2,000,000	5,500,000	3,000,000	1,000,000	2,000,000	24,319,000
Retrofit & Replacement												
Old Town Utility Replacement Project, Phase I	3,412,000	0	0	0	0	0	0	0	0	0	0	0
<u>Old Town Utility Replacement Project, Phase II & III</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>250,000</u>	<u>3,250,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3,500,000</u>
Subtotal Retrofit & Replacement	3,412,000	0	0	250,000	3,250,000	0	0	0	0	0	0	3,500,000
Subtotal CIP	7,073,398	3,774,000	2,875,000	1,460,000	4,200,000	2,630,000	2,000,000	5,500,000	3,000,000	1,000,000	2,000,000	28,239,000
Escalation Factor	1.00	1.03	1.06	1.09	1.13	1.16	1.19	1.23	1.27	1.30	1.34	
Subtotal CIP - Escalated	7,073,398	3,887,220	2,837,908	1,595,381	4,727,137	3,048,891	2,388,105	6,764,306	3,800,310	1,304,773	2,867,833	33,041,864
Engineering & Construction Management - 20%	0	777,444	567,582	319,076	945,427	609,778	477,821	1,352,861	760,062	260,955	537,567	6,808,373
Contingency - 20%	0	777,444	567,582	319,076	945,427	609,778	477,821	1,352,861	760,062	260,955	537,567	6,808,373
TOTAL WATER CIP	\$ 7,073,398	\$ 5,442,108	\$ 3,973,071	\$ 2,233,534	\$ 6,817,992	\$ 4,268,447	\$ 3,343,346	\$ 9,470,029	\$ 5,320,434	\$ 1,826,882	\$ 3,762,966	\$ 46,268,809

Source: Water CIP (Updated 02/11/10)

Outstanding Debt

The water enterprise presently does not have any outstanding debt, except for vehicle lease payments which will end in 2014/15. However, the City is anticipating three future borrowings over the next ten years to fund capital improvements. The first bond issue is planned for 2010/11 at \$7.5 million. The second borrowing for \$1.5 million is planned for 2013/14, and the third bond is estimated at \$3 million in 2015/16. Table 6 outlines the projected annual debt service payments based on the future borrowings. Annual debt service for 2010/11 is estimated at \$555,000 and will increase to over \$1 million in 2015/16. Debt service payments are provided by the City's financial advisor.

Pursuant to the legal agreements securing the debt issues, the City will have to legally abide by a number of debt covenants designed to ensure adequate repayment security. Key among these is a debt service coverage covenant that will require the City to raise water rates as needed to achieve 130 percent coverage on annual debt service. This means that annual water revenues – total revenues less operating expenses – must be adequate to fund

operating and maintenance expenses plus 130 percent of annual debt service. This is a standard legal covenant for securing water revenue bonds or certificates of participation.

TABLE 6 - DEBT SERVICE												
Issue	Amount	2009/10	2010/11	2011/12	2012/13	2013/14	Projected					
							2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Lease Payment Impala/Vacuum Truck (1)		\$30,162	\$30,104	\$12,464	\$12,464	\$12,463	\$12,365	\$0	\$0	\$0	\$0	\$0
Future Debt - 2010/11 (2)	7,500,000	0	525,000	675,000	675,000	675,000	675,000	675,000	675,000	675,000	675,000	675,000
Future Debt - 2013/14 (2)	1,500,000	0	0	0	0	105,000	135,000	135,000	135,000	135,000	135,000	135,000
Future Debt - 2015/16 (2)	<u>3,000,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>210,000</u>	<u>270,000</u>	<u>270,000</u>	<u>270,000</u>	<u>270,000</u>
Total	12,000,000	30,162	555,104	687,464	687,464	792,463	822,365	1,020,000	1,080,000	1,080,000	1,080,000	1,080,000
Percent Change		-14.5%	1740.4%	23.8%	0.0%	15.3%	3.8%	24.0%	5.9%	0.0%	0.0%	0.0%

1 - Shared with Water Enterprise - 33% Water / 67% Sewer
2 - Debt service from Water CIP

RESERVE FUNDS

As of July 1, 2009, the City held reserves of nearly \$1.7 million in both water operations and capital as shown on Table 7. The City currently does not have a minimum fund reserve balance for the water enterprise. BWA recommends the City aim to maintain a water enterprise operating fund reserve target equivalent to 30 percent of annual operating and maintenance expenditures. This is an achievable and healthy level of reserves that should provide adequate financial cushion for dealing with annual revenue and expense fluctuations and non-catastrophic emergencies. The fund reserve target will escalate over time as expenses for the water enterprise gradually increase. It is acceptable if reserves fall below the target on a temporary basis, provided action is taken to achieve the target over the longer run.

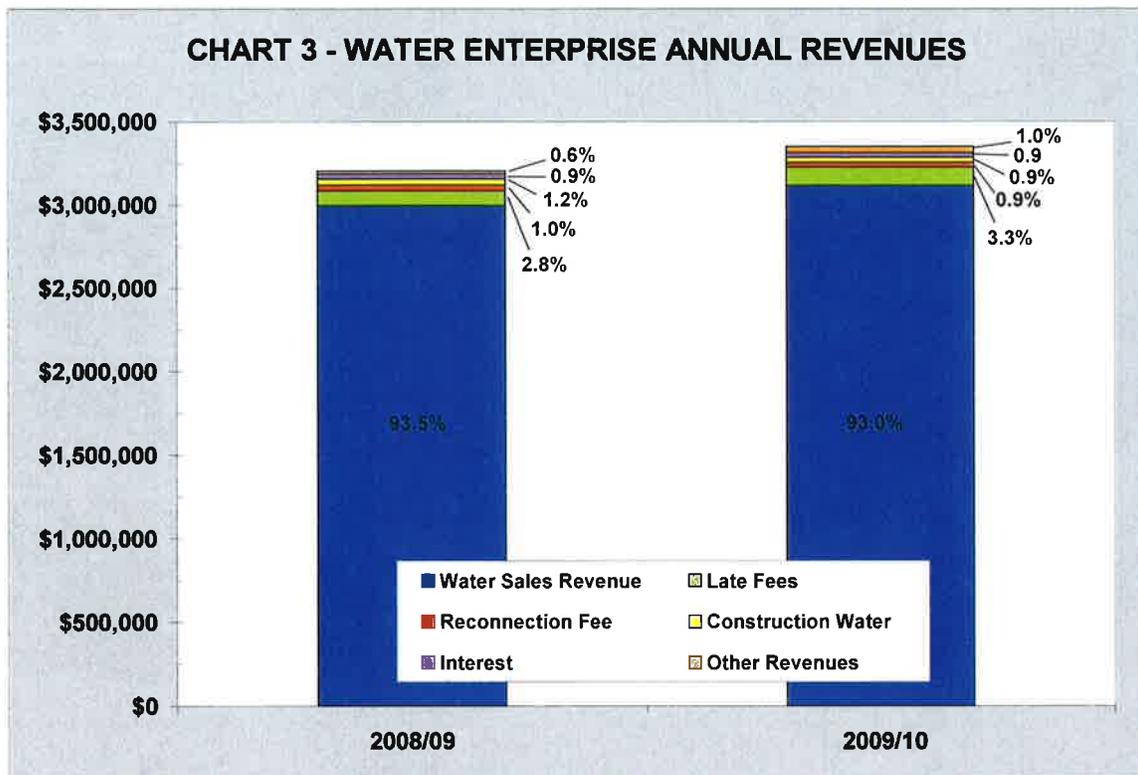
TABLE 7 - RESERVE FUND BALANCES AS OF JULY 1, 2009	
Water Operations - Fund 610	
Cash	<u>\$208,834</u>
Total Fund 610 Reserves	208,834
Water Capital - Fund 611	
Cash	<u>1,477,006</u>
Total Fund 611 Reserves	1,477,006
Total Fund Reserves	1,685,840

Source: General Ledger - Summary Trial Balance

REVENUES

For the budget year 2009/10, the City anticipates to collect total water revenues of about \$3.4 million. Water service revenues are projected at \$3.1 million, accounting for approximately 93% of all revenues. Other revenue sources include interest, late fees, reconnection fees, construction water, installation of new meters, and other miscellaneous

fees. Chart 2 shows a breakdown of the water enterprise's revenues for 2008/09 and 2009/10.



CASH FLOW PROJECTIONS

Detailed cash flow projections were developed to determine the short- and long-term revenue requirements of the water enterprise. The following cash flow projections present two rate increase scenarios for consideration. Table 8 is based on a 5 percent annual transfer from the operating fund to the capital fund and calls for 4 percent rate increases through 2014/15. Table 9 is based on a 10 percent operating transfer to capital and proposes 5 percent rate increases through 2014/15. BWA financial projections are based on the best information currently available as well as a number of conservative assumptions including:

Revenues

- The first rate adjustment will take effect on January 1, 2011. In subsequent years, rate adjustments will take effect annually on January 1, when water use is low.
- Growth in customer base and water consumption is conservatively projected to yield a 0.5% increase in net revenues each year beginning 2010/11.
- All other revenues are projected to increase at 3 percent annually.
- Rates are designed to meet debt service coverage requirements each year.

- Capital revenue sources and amounts are based on the water capital improvement program.

Expenses

- All operating expenses, except for salary and benefits, escalate at the annual rate of 3.0 percent from the 2009/10 budget to account for cost inflation.
- The projections include a \$7.5 million bond issue in 2010/11, a \$1.5 million borrowing in 2013/14, and a \$3 million debt issue in 2015/16.
- The yearly transfer to the general fund is equivalent to 15 percent of operating expenditures.
- Capital project expenditures will be reviewed and updated annual by the City.

TABLE 8 - WATER ENTERPRISE FLOW PROJECTIONS - 5% TRANSFER TO CAPITAL FUND											
	Budget			Projected							
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Beginning Fund Balance											
Operating Fund 610	\$208,834	\$141,493	\$692,214	\$991,675	\$1,379,811	\$1,575,373	\$1,765,208	\$1,797,283	\$1,740,908	\$1,672,658	\$1,520,858
Capital Fund 611	1,477,006	(3,142,392)	2,222,221	434,683	1,519,846	(49,733)	2,319,679	6,087,340	1,033,969	435,221	3,652,617
% Rate Adjustment	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Growth - %		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
REVENUES											
Operating Revenue											
Water Service (1)	3,117,000	3,187,500	3,331,500	3,462,000	3,639,500	3,804,000	3,956,500	4,095,500	4,239,000	4,388,000	4,542,500
Interest	30,000	30,900	31,800	32,800	33,800	34,800	35,800	36,900	38,000	39,100	40,300
Other Revenues	204,500	210,800	217,200	223,900	230,700	237,600	244,600	252,000	259,700	267,500	275,600
Total Operating Revenues	3,351,500	3,429,200	3,580,500	3,738,700	3,904,000	4,076,400	4,236,900	4,384,400	4,536,700	4,694,600	4,858,400
Capital Revenues											
<u>Transfer from Water Capital Fund - 5% (7)</u>	1,400,000	159,375	166,575	174,100	181,975	190,200	197,825	204,775	211,950	219,400	227,125
Future Water Acquisition Funds	574,000	0	234,000	0	0	0	0	0	0	0	0
Bond Proceeds	0	7,500,000	0	0	1,500,000	0	3,000,000	0	0	0	0
Developer Constructed Facilities	0	550,000	1,040,000	0	0	2,800,000	0	0	0	0	0
Business Park CFD	0	1,200,000	0	0	0	0	0	0	0	0	0
Landscape Maintenance District	400,000	0	0	0	0	0	0	0	0	0	0
Water Impact Fee Revenues	0	140,452	365,175	2,354,650	2,512,031	1,938,846	1,691,725	1,439,504	1,626,462	1,826,073	2,039,051
VOP Water Impact Fee Revenues	0	0	379,782	789,947	854,407	1,708,813	2,221,457	2,772,379	2,863,274	2,999,605	3,118,549
RDA Affordable Housing (Fund 400)	80,000	420,000	0	0	0	0	0	0	0	0	0
<u>Commercial/Industrial Impact Fees</u>	0	836,894	0	0	0	0	0	0	0	0	0
Total Water Capital Fund Revenue	2,454,000	10,806,721	2,185,532	3,318,697	5,048,413	6,637,859	7,111,008	4,416,858	4,721,668	5,044,078	5,384,725
TOTAL REVENUES	5,805,500	14,235,921	5,766,032	7,057,397	8,952,413	10,714,259	11,347,908	8,801,058	9,258,368	9,738,678	10,243,125
EXPENSES											
Operating Expenses											
Salary & Benefits (2)	886,876	931,000	978,000	1,055,000	1,172,000	1,260,000	1,323,000	1,389,000	1,458,000	1,531,000	1,684,000
Operations & Maintenance (3)	570,720	628,000	602,000	649,000	701,000	720,000	739,000	759,000	779,000	800,000	864,000
Utilities - Wells (4)	180,000	185,000	191,000	205,000	211,000	217,000	224,000	231,000	238,000	245,000	252,000
Capital (R & R) (5)	110,000	138,000	339,000	255,000	293,000	302,000	311,000	365,000	406,000	508,000	573,000
Debt Service	30,162	555,104	687,464	687,464	792,463	822,365	1,020,000	1,080,000	1,080,000	1,080,000	1,080,000
Transfer to General Fund (6)	241,083	282,000	317,000	325,000	357,000	375,000	390,000	412,000	432,000	463,000	506,000
<u>Transfer to Water Capital Fund - 5% (7)</u>	1,400,000	159,375	166,575	174,100	181,975	190,200	197,825	204,775	211,950	219,400	227,125
Total Operating Expenses	3,418,841	2,878,479	3,281,039	3,350,564	3,708,438	3,886,565	4,204,825	4,440,775	4,604,950	4,846,400	5,186,125
Capital Expenses											
<u>Capital Improvement Project</u>	7,073,398	5,442,108	3,973,071	2,233,534	6,617,992	4,268,447	3,343,346	9,470,029	5,320,434	1,826,682	3,762,966
Total Capital Expenses	7,073,398	5,442,108	3,973,071	2,233,534	6,617,992	4,268,447	3,343,346	9,470,029	5,320,434	1,826,682	3,762,966
TOTAL EXPENSES	10,492,239	8,320,587	7,254,110	5,584,098	10,326,430	8,155,012	7,548,171	13,910,804	9,925,384	6,673,082	8,949,091
Net Revenues - Operating Fund	(67,341)	550,721	299,461	388,136	195,562	189,835	32,075	(56,375)	(68,250)	(151,800)	(327,725)
Net Revenues - Capital Fund	(4,619,398)	5,364,613	(1,787,538)	1,085,163	(1,569,579)	2,369,412	3,767,661	(5,053,371)	(598,748)	3,217,386	1,621,759
NET REVENUES	(4,686,739)	5,915,334	(1,488,077)	1,473,299	(1,374,017)	2,559,247	3,799,736	(5,109,746)	(666,996)	3,065,586	1,294,034
Ending Fund Balance											
Operating Fund 610	141,493	692,214	991,675	1,379,811	1,575,373	1,765,208	1,797,283	1,740,908	1,672,658	1,520,858	1,193,133
Capital Fund 611	(3,142,392)	2,222,221	434,683	1,519,846	(49,733)	2,319,679	6,087,340	1,033,969	435,221	3,652,617	5,274,377
Debt Service Coverage (Min. 1.3x)	53.16	2.79	2.14	2.29	1.93	1.92	1.61	1.52	1.53	1.49	1.38
<i>Target Met</i>	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Fund Reserve Target - 30% of Operating Expenses	524,279	564,600	633,000	649,200	713,100	749,700	779,100	823,200	864,300	925,200	1,011,900
<i>Target Met</i>	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
1 - Assumes rates are effective Jan 1 of each year 2 - Includes Projected Personnel Costs Through 2019/20 3 - Includes \$10,000 annually for automatic payment/credit card payment fee 4 - Utilities increased by 7% in 2012/13 for 2 new wells 5 - Includes Projected Equipment and Vehicle Needs Through 2019/20 6 - 15% of Operating Expenses 7 - 5% of Total Water Sales											

TABLE 9 - WATER ENTERPRISE FLOW PROJECTIONS - 10% TRANSFER TO CAPITAL FUND												
	Budget			Projected								
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	
Beginning Fund Balance												
Operating Fund 610	\$208,834	\$141,493	\$546,789	\$723,325	\$1,013,861	\$1,139,498	\$1,290,333	\$1,317,633	\$1,294,083	\$1,299,633	\$1,265,033	
Capital Fund 611	1,477,006	(3,142,392)	2,383,146	767,033	2,034,796	659,642	3,236,054	7,222,990	2,400,794	2,045,746	5,519,942	
% Rate Adjustment	4.0%	5.0%	5.0%	5.0%	5.0%	5.0%	4.0%	4.0%	4.0%	4.0%	4.0%	
Growth - %		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	
REVENUES												
Operating Revenue												
Water Service (1)	3,117,000	3,203,000	3,380,000	3,567,000	3,764,000	3,972,000	4,171,000	4,359,500	4,556,500	4,762,000	4,977,000	
Interest	30,000	30,900	31,800	32,800	33,800	34,800	35,800	36,900	38,000	39,100	40,300	
Other Revenues	204,500	210,800	217,200	223,900	230,700	237,600	244,600	252,000	259,700	267,500	275,600	
Total Operating Revenues	3,351,500	3,444,700	3,629,000	3,823,700	4,028,500	4,244,400	4,451,400	4,648,400	4,854,200	5,068,600	5,292,900	
Capital Revenues												
<u>Transfer from Water Capital Fund - 5% (7)</u>	1,400,000	320,300	338,000	356,700	376,400	397,200	417,100	435,950	455,650	476,200	497,700	
Future Water Acquisition Funds	574,000	0	234,000	0	0	0	0	0	0	0	0	
Bond Proceeds	0	7,500,000	0	0	1,500,000	0	3,000,000	0	0	0	0	
Developer Constructed Facilities	0	550,000	1,040,000	0	0	2,800,000	0	0	0	0	0	
Business Park CFD	0	1,200,000	0	0	0	0	0	0	0	0	0	
Landscape Maintenance District	400,000	0	0	0	0	0	0	0	0	0	0	
Water Impact Fee Revenues	0	140,452	365,175	2,354,650	2,512,031	1,938,846	1,691,725	1,439,504	1,626,462	1,826,073	2,039,051	
VOP Water Impact Fee Revenues	0	0	379,782	789,947	854,407	1,708,813	2,221,457	2,772,379	2,883,274	2,998,605	3,118,549	
RDA Affordable Housing (Fund 400)	80,000	420,000	0	0	0	0	0	0	0	0	0	
<u>Commercial/Industrial Impact Fees</u>	0	836,894	0	0	0	0	0	0	0	0	0	
Total Water Capital Fund Revenue	2,454,000	10,967,646	2,356,957	3,501,297	5,242,838	6,844,859	7,330,283	4,647,833	4,965,386	5,300,878	5,655,300	
TOTAL REVENUES	5,805,500	14,412,346	5,985,957	7,324,997	9,271,338	11,089,259	11,781,683	9,296,233	9,819,586	10,369,478	10,948,200	
EXPENSES												
Operating Expenses												
Salary & Benefits (2)	886,876	931,000	978,000	1,055,000	1,172,000	1,260,000	1,323,000	1,389,000	1,458,000	1,531,000	1,684,000	
Operations & Maintenance (3)	570,720	628,000	602,000	649,000	701,000	720,000	739,000	759,000	779,000	800,000	864,000	
Utilities - Wells (4)	180,000	185,000	191,000	205,000	211,000	217,000	224,000	231,000	238,000	245,000	252,000	
Capital (R & R) (5)	110,000	138,000	339,000	255,000	293,000	302,000	311,000	365,000	406,000	508,000	573,000	
Debt Service	30,162	555,104	687,464	687,464	792,463	822,365	1,020,000	1,080,000	1,080,000	1,080,000	1,080,000	
Transfer to General Fund (6)	241,083	282,000	317,000	325,000	357,000	375,000	390,000	412,000	432,000	463,000	506,000	
<u>Transfer to Water Capital Fund - 10% (7)</u>	<u>1,400,000</u>	<u>320,300</u>	<u>338,000</u>	<u>356,700</u>	<u>376,400</u>	<u>397,200</u>	<u>417,100</u>	<u>435,950</u>	<u>455,650</u>	<u>476,200</u>	<u>497,700</u>	
Total Operating Expenses	3,418,841	3,039,404	3,452,464	3,533,164	3,902,863	4,093,565	4,424,100	4,671,950	4,848,650	5,103,200	5,456,700	
Capital Expenses												
<u>Capital Improvement Project</u>	<u>7,073,398</u>	<u>5,442,108</u>	<u>3,973,071</u>	<u>2,233,534</u>	<u>6,617,992</u>	<u>4,268,447</u>	<u>3,343,346</u>	<u>9,470,029</u>	<u>5,320,434</u>	<u>1,826,682</u>	<u>3,762,966</u>	
Total Capital Expenses	7,073,398	5,442,108	3,973,071	2,233,534	6,617,992	4,268,447	3,343,346	9,470,029	5,320,434	1,826,682	3,762,966	
TOTAL EXPENSES	10,492,239	8,481,512	7,425,535	5,766,698	10,520,855	8,362,012	7,767,446	14,141,979	10,169,084	6,929,882	9,219,666	
Net Revenues - Operating Fund	(67,341)	405,296	176,536	290,536	125,637	150,835	27,300	(23,550)	5,550	(34,600)	(163,800)	
<u>Net Revenues - Capital Fund</u>	<u>(4,619,398)</u>	<u>5,525,538</u>	<u>(1,616,113)</u>	<u>1,267,763</u>	<u>(1,375,154)</u>	<u>2,578,412</u>	<u>3,986,938</u>	<u>(4,822,198)</u>	<u>(355,048)</u>	<u>3,474,198</u>	<u>1,892,334</u>	
NET REVENUES	(4,686,739)	5,930,834	(1,439,577)	1,558,299	(1,249,517)	2,727,247	4,014,236	(4,845,746)	(349,498)	3,439,598	1,728,534	
Ending Fund Balance												
Operating Fund 610	141,493	546,789	723,325	1,013,861	1,139,498	1,290,333	1,317,633	1,294,083	1,299,633	1,265,033	1,101,233	
Capital Fund 611	(3,142,392)	2,383,146	767,033	2,034,796	659,642	3,236,054	7,222,990	2,400,794	2,045,746	5,519,942	7,412,277	
Debt Service Coverage (Min. 1-3x)	53.18	2.82	2.21	2.41	2.08	2.12	1.82	1.76	1.83	1.84	1.78	
<i>Target Met</i>	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Fund Reserve Target - 30% of Operating Expenses	524,279	564,600	633,000	649,200	713,100	749,700	779,100	823,200	864,300	925,200	1,011,900	
<i>Target Met</i>	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	
1 - Assumes rates are effective Jan 1 of each year 2 - Includes Projected Personnel Costs Through 2019/20 3 - Includes \$10,000 annually for automatic payment/credit card payment fee 4 - Utilities increased by 7% in 2012/13 for 2 new wells 5 - Includes Projected Equipment and Vehicle Needs Through 2019/20 6 - 15% of Operating Expenses 7 - 10% of Total Water Sales												

RECOMMENDED RATE STRUCTURE MODIFICATIONS

Based on an evaluation of the City's rate structure and input provided by City staff, BWA recommends the City adopt several modifications to the water rate structure. These rate structure modifications include:

Align Fixed Meter Charges with Accepted Meter Ratios

The fixed service charge varies by meter size with higher charges for larger meters. However, the charges are not currently proportional to accepted equivalent meter ratios.

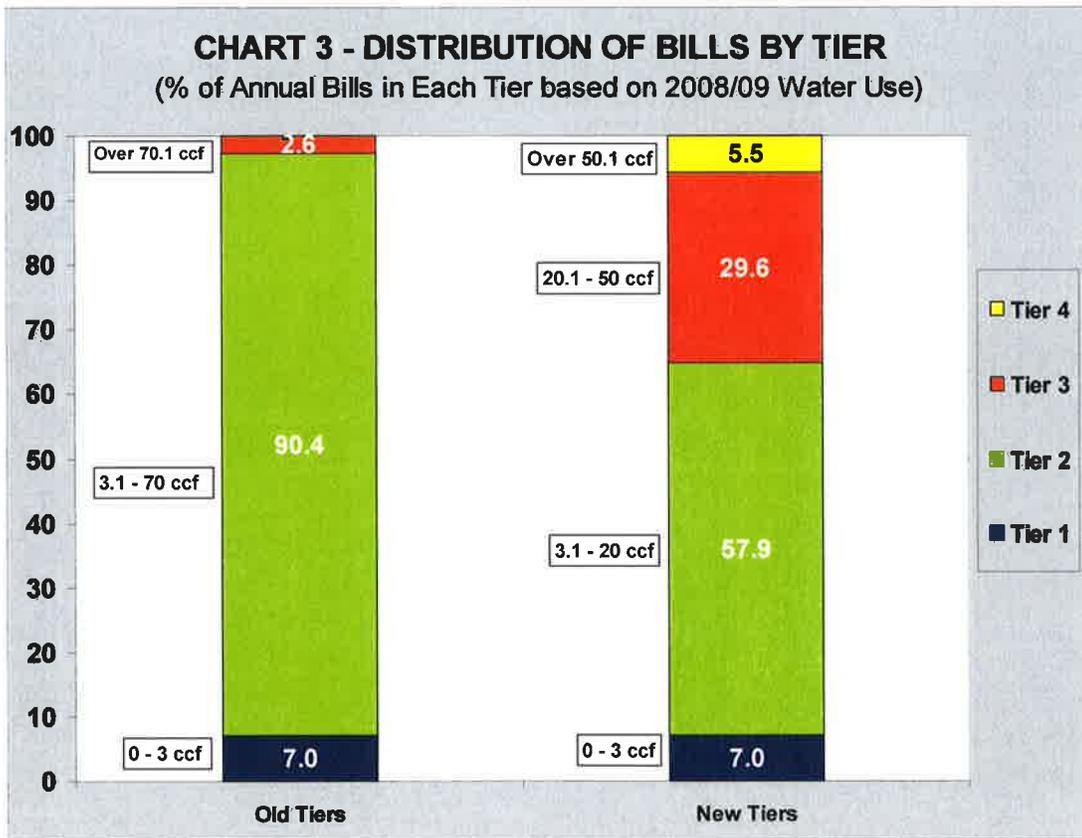
Customers with larger meters place a greater demand on the water system, and therefore should pay for the demand. BWA recommends the City align its meter charges with standards established by the American Water Works Association (AWWA). Table 9 below compares the City's current meter ratios and those based on AWWA equivalent meter standards. The change will better align the cost of service to meter capacity.

TABLE 10 - EQUIVALENT METER RATIOS		
Meter Size	Current Ratios	Proposed AWWA Meter Ratios
5/8"	1.0	1.0
3/4"	1.0	1.0
1"	1.3	1.3
1 1/2"	1.8	1.6
2"	2.4	2.6
3"	4.3	10.0
4"	5.9	12.7
6"	10.0	19.1
8"	14.5	26.4

Revise Consumption Tier Breakpoints

The current tier structure includes three tiers with the majority of water sold at the second tier. BWA recommends the City revise its tier structure to better distribute water sales among the various rate tiers. The proposed rate structure is designed to minimize the impact on residential customers who use low to average consumption while encouraging conservation. Table 11 and Chart 4 compare the number of total bills and the distribution of water sales in 2008/09 under the current rates to the proposed four tiered structure.

TABLE 11 - PROPOSED TIER STRUCTURE					
Tier	Use (ccf)	Number of Bills Ending		Water Consumption (ccf)	
		in Tier	% of Total	in Tier	% of Total
Current Tiers					
Tier 1	0 - 3	4,506	7.0%	189,515	12.1%
Tier 2	3.1 - 70	58,384	90.4%	1,054,942	67.6%
Tier 3	70.1 +	<u>1,684</u>	<u>2.6%</u>	<u>317,159</u>	<u>20.3%</u>
Total		64,574	100.0%	1,561,616	100.0%
Proposed Tiers					
Tier 1	0 - 3	4,506	7.0%	189,515	12.1%
Tier 2	3.1 - 20	37,367	57.9%	706,567	45.2%
Tier 3	20.1 - 50	19,138	29.6%	295,645	18.9%
Tier 4	50.1 +	<u>3,563</u>	<u>5.5%</u>	<u>369,889</u>	<u>23.7%</u>
Total		64,574	100.0%	1,561,616	100.0%



RECOMMENDED RATES

Table 12 details the proposed annual water rates increases based on the cash flow projections. Water rates were developed to cover O&M costs, build fund reserves, and provide debt service funding for water capital improvement projects. Although the proposed rates are shown through 2019/20, the City will only be adopting 5 years of rate increases beginning in 2010/11 through 2014/15.

TABLE 12 - PROPOSED RATES													
Current 2009/10				Proposed									
				2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Rate Option 1 - 5% Transfer to Capital													
% Rate Adjustment				4%	4%	4%	4%	4%	3%	3%	3%	3%	3%
Service Charge	Meter Ratio	Rate	Meter Ratio										
5/8 x 3/4 inch meter	1.0	\$9.08	1.0	\$9.44	\$9.82	\$10.21	\$10.62	\$11.04	\$11.37	\$11.71	\$12.06	\$12.42	\$12.79
3/4 inch meter	1.0	\$9.08	1.0	\$9.44	\$9.82	\$10.21	\$10.62	\$11.04	\$11.37	\$11.71	\$12.06	\$12.42	\$12.79
1 inch meter	1.3	\$12.20	1.3	\$12.69	\$13.20	\$13.73	\$14.28	\$14.85	\$15.30	\$15.76	\$16.23	\$16.72	\$17.22
1-1/2 inch meter	1.8	\$15.94	1.6	\$15.10	\$15.70	\$16.33	\$16.98	\$17.66	\$18.19	\$18.74	\$19.30	\$19.88	\$20.48
2 inch meter	2.4	\$21.91	2.6	\$24.54	\$25.52	\$26.54	\$27.60	\$28.70	\$29.56	\$30.45	\$31.36	\$32.30	\$33.27
3 inch meter	4.3	\$39.45	10.0	\$94.40	\$98.18	\$102.11	\$106.19	\$110.44	\$113.75	\$117.16	\$120.67	\$124.29	\$128.02
4 inch meter	5.9	\$53.34	12.7	\$119.89	\$124.69	\$129.68	\$134.87	\$140.26	\$144.47	\$148.80	\$153.26	\$157.86	\$162.60
6 inch meter	10.0	\$90.70	19.1	\$180.30	\$187.51	\$195.01	\$202.81	\$210.92	\$217.25	\$223.77	\$230.48	\$237.39	\$244.51
8 inch meter	14.5	\$131.49	26.4	\$249.22	\$259.19	\$269.56	\$280.34	\$291.55	\$300.30	\$309.31	\$318.59	\$328.15	\$337.99
Quantity Rate per ccf	Tiers	Rate	Tiers										
Tier 1	0 - 3	\$1.02	0 - 3	\$1.06	\$1.10	\$1.14	\$1.19	\$1.24	\$1.28	\$1.32	\$1.36	\$1.40	\$1.44
Tier 2	3.1 - 70	\$1.32	3.1 - 20	\$1.37	\$1.42	\$1.48	\$1.54	\$1.60	\$1.65	\$1.70	\$1.75	\$1.80	\$1.85
Tier 3	70.1 +	\$2.46	20.1 - 50	\$1.67	\$1.74	\$1.81	\$1.88	\$1.96	\$2.02	\$2.08	\$2.14	\$2.20	\$2.27
Tier 4	n/a	n/a	50.1 +	\$2.36	\$2.45	\$2.55	\$2.65	\$2.76	\$2.84	\$2.93	\$3.02	\$3.11	\$3.20
Rate Option 2 - 10% Transfer to Capital													
% Rate Adjustment				5%	5%	5%	5%	5%	4%	4%	4%	4%	4%
Service Charge	Meter Ratio	Rate	Meter Ratio										
5/8 x 3/4 inch meter	1.0	\$9.08	1.0	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.05	\$12.53	\$13.03	\$13.55	\$14.09
3/4 inch meter	1.0	\$9.08	1.0	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.05	\$12.53	\$13.03	\$13.55	\$14.09
1 inch meter	1.3	\$12.20	1.3	\$12.81	\$13.45	\$14.12	\$14.83	\$15.57	\$16.19	\$16.84	\$17.51	\$18.21	\$18.94
1-1/2 inch meter	1.8	\$15.94	1.6	\$15.25	\$16.01	\$16.81	\$17.65	\$18.53	\$19.27	\$20.04	\$20.84	\$21.67	\$22.54
2 inch meter	2.4	\$21.91	2.6	\$24.78	\$26.02	\$27.32	\$28.69	\$30.12	\$31.32	\$32.57	\$33.87	\$35.22	\$36.63
3 inch meter	4.3	\$39.45	10.0	\$95.30	\$100.07	\$105.07	\$110.32	\$115.84	\$120.47	\$125.29	\$130.30	\$135.51	\$140.93
4 inch meter	5.9	\$53.34	12.7	\$121.03	\$127.08	\$133.43	\$140.10	\$147.11	\$152.99	\$159.11	\$165.47	\$172.09	\$178.97
6 inch meter	10.0	\$90.70	19.1	\$182.02	\$191.12	\$200.68	\$210.71	\$221.25	\$230.10	\$239.30	\$248.87	\$258.82	\$269.17
8 inch meter	14.5	\$131.49	26.4	\$251.59	\$264.17	\$277.38	\$291.25	\$305.81	\$318.04	\$330.76	\$343.99	\$357.75	\$372.06
Quantity Rate per ccf	Tiers	Rate	Tiers										
Tier 1	0 - 3	\$1.02	0 - 3	\$1.07	\$1.12	\$1.18	\$1.24	\$1.30	\$1.35	\$1.40	\$1.46	\$1.52	\$1.58
Tier 2	3.1 - 70	\$1.32	3.1 - 20	\$1.39	\$1.46	\$1.53	\$1.61	\$1.69	\$1.76	\$1.83	\$1.90	\$1.98	\$2.06
Tier 3	70.1 +	\$2.46	20.1 - 50	\$1.69	\$1.77	\$1.86	\$1.95	\$2.05	\$2.13	\$2.22	\$2.31	\$2.40	\$2.50
Tier 4	n/a	n/a	50.1 +	\$2.38	\$2.50	\$2.63	\$2.76	\$2.90	\$3.02	\$3.14	\$3.27	\$3.40	\$3.54

PROJECTED RATE IMPACTS

Table 13 calculates the impacts of the rate adjustments for single family residential customers with 5/8 inch or 3/4 inch meters. Table 14 shows the impacts for non-residential customers. Due to the rate structure modifications to the meter ratios and the tier structure, the actual impact of the rate adjustments will vary based on each customer's meter size and water consumption patterns. In general, residential customers who use low to average monthly use will see the least impact.

TABLE 13 - IMPACTS FOR SINGLE FAMILY RESIDENTIAL CUSTOMERS

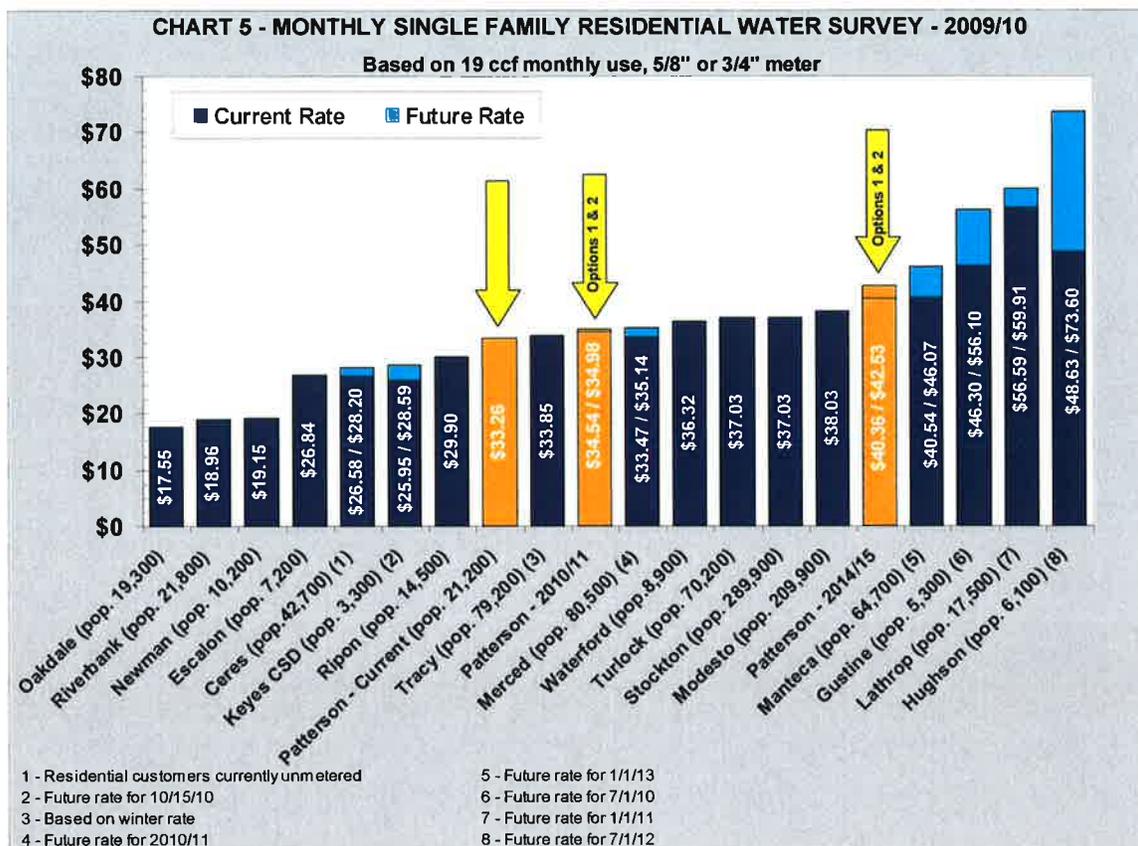
Customer	Monthly Use (ccf)	2009/10 Current	Projected Monthly Bills	
			Option 1 - 4%	Option 2 - 5%
Single Family Residential - 5/8" or 3/4" meter				
<u>Tier 1</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	3	\$3.06	\$3.18	\$3.21
<i>Increase \$</i>			\$0.12	\$0.15
<i>Increase %</i>			3.9%	4.9%
Total Water Service Charge		\$12.14	\$12.62	\$12.74
<i>Increase \$</i>			\$0.48	\$0.60
<i>Increase %</i>			4.0%	4.9%
<u>Tier 2 - Average Use</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	19	\$24.18	\$25.10	\$25.45
<i>Increase \$</i>			\$0.92	\$1.27
<i>Increase %</i>			3.8%	5.3%
Total Water Service Charge		\$33.26	\$34.54	\$34.98
<i>Increase \$</i>			\$1.28	\$1.72
<i>Increase %</i>			3.8%	5.2%
<u>Tier 3</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	35	\$45.30	\$51.52	\$52.19
<i>Increase \$</i>			\$6.22	\$6.89
<i>Increase %</i>			13.7%	15.2%
Total Water Service Charge		\$54.38	\$60.96	\$61.72
<i>Increase \$</i>			\$6.58	\$7.34
<i>Increase %</i>			12.1%	13.5%
<u>Tier 4</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	60	\$78.30	\$100.17	\$101.34
<i>Increase \$</i>			\$21.87	\$23.04
<i>Increase %</i>			27.9%	29.4%
Total Water Service Charge		\$87.38	\$109.61	\$110.87
<i>Increase \$</i>			\$22.23	\$23.49
<i>Increase %</i>			25.4%	26.9%

TABLE 14 - IMPACTS FOR NON-SINGLE FAMILY RESIDENTIAL CUSTOMERS				
Customer	Monthly Use (ccf)	2009/10 Current	Projected Monthly Bills	
			Option 1 - 4%	Option 2 - 5%
Non-Single Family Residential				
<u>5/8" Meter</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	10	\$12.30	\$12.77	\$12.94
<i>Increase \$</i>			\$0.47	\$0.64
<i>Increase %</i>			3.8%	5.2%
Total Water Service Charge		\$21.38	\$22.21	\$22.47
<i>Increase \$</i>			\$0.83	\$1.09
<i>Increase %</i>			3.9%	5.1%
<u>3/4" Meter</u>				
Service Charge		\$9.08	\$9.44	\$9.53
<i>Increase \$</i>			\$0.36	\$0.45
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	14	\$17.58	\$18.25	\$18.50
<i>Increase \$</i>			\$0.67	\$0.92
<i>Increase %</i>			3.8%	5.2%
Total Water Service Charge		\$26.66	\$27.69	\$28.03
<i>Increase \$</i>			\$1.03	\$1.37
<i>Increase %</i>			3.9%	5.1%
<u>1" Meter</u>				
Service Charge		\$12.20	\$12.69	\$12.81
<i>Increase \$</i>			\$0.49	\$0.61
<i>Increase %</i>			4.0%	5.0%
Quantity Charge	22	\$28.14	\$29.81	\$30.22
<i>Increase \$</i>			\$1.67	\$2.08
<i>Increase %</i>			5.9%	7.4%
Total Water Service Charge		\$40.34	\$42.50	\$43.03
<i>Increase \$</i>			\$2.16	\$2.69
<i>Increase %</i>			5.4%	6.7%
<u>1 1/2" Meter</u>				
Service Charge		\$15.94	\$15.10	\$15.25
<i>Increase \$</i>			(\$0.84)	(\$0.69)
<i>Increase %</i>			-5.3%	-4.3%
Quantity Charge	26	\$33.42	\$36.49	\$36.98
<i>Increase \$</i>			\$3.07	\$3.56
<i>Increase %</i>			9.2%	10.7%
Total Water Service Charge		\$49.36	\$51.59	\$52.23
<i>Increase \$</i>			\$2.23	\$2.87
<i>Increase %</i>			4.5%	5.8%

<u>2" Meter</u>				
Service Charge		\$21.91	\$24.54	\$24.78
<i>Increase \$</i>			\$2.63	\$2.87
<i>Increase %</i>			12.0%	13.1%
Quantity Charge	58	\$75.66	\$95.45	\$96.58
<i>Increase \$</i>			\$19.79	\$20.92
<i>Increase %</i>			26.2%	27.7%
Total Water Service Charge		\$97.57	\$119.99	\$121.36
<i>Increase \$</i>			\$22.42	\$23.79
<i>Increase %</i>			23.0%	24.4%
<u>3" Meter</u>				
Service Charge		\$39.45	\$94.40	\$95.30
<i>Increase \$</i>			\$54.95	\$55.85
<i>Increase %</i>			139.3%	141.6%
Quantity Charge	92	\$145.62	\$175.69	\$177.50
<i>Increase \$</i>			\$30.07	\$31.88
<i>Increase %</i>			20.6%	21.9%
Total Water Service Charge		\$185.07	\$270.09	\$272.80
<i>Increase \$</i>			\$85.02	\$87.73
<i>Increase %</i>			45.9%	47.4%
<u>4" Meter</u>				
Service Charge		\$53.34	\$119.89	\$121.03
<i>Increase \$</i>			\$66.55	\$67.69
<i>Increase %</i>			124.8%	126.9%
Quantity Charge	108	\$184.98	\$213.45	\$215.58
<i>Increase \$</i>			\$28.47	\$30.60
<i>Increase %</i>			15.4%	16.5%
Total Water Service Charge		\$238.32	\$333.34	\$336.61
<i>Increase \$</i>			\$95.02	\$98.29
<i>Increase %</i>			39.9%	41.2%

WATER RATE SURVEY

Chart 5 shows a rate survey of the surrounding area for a single family residential customer with either a 5/8 inch or 3/4 inch meter consuming 19 ccf per month based on 2009/10 rates. The survey compares the City's current and proposed water rates for 2010/11 and 2014/15 for both rate options. Future rate increases for many agencies are unknown; the cities and agencies that have approved multi-year increases are shown. The City's current rate falls in the mid-range, and future rates are also expected to fall in the mid-range.



RECOMMENDATION

Based on input from the Project Team, BWA recommends implementing Water Rate Scenario #1 which is based on a 5 percent annual transfer to the capital fund and implementing the rate structure adjustments. The rate increases and structural modifications will enable the water enterprise to fund its future operating and maintenance expenses and capital improvement program while maintaining an adequate level of debt service coverage and utility reserves. For a typical single family residential customer using 19 hcf a month, the rate increase for 2010/11 will result in a \$1.28 monthly increase.

3 WASTEWATER RATE STUDY

SUMMARY OF KEY FINDINGS AND RECOMMENDATIONS

- **Financial Overview** – Overall, the City’s sewer enterprise is in sound financial condition. The enterprise maintains a healthy level of fund reserves. As of July 1, 2009, the enterprise had about \$3.3 million in operating and capital reserves.
- **Rate Adjustments** – The proposed rate adjustments are designed to keep rates in line with cost inflation and to provide sufficient revenues for the City's operating and capital programs. The adjustments are needed to fund operating expenditures and capital projects and to meet debt service covenants.
- **Rate Options** – This report presents two rate options for consideration. The first rate option maintains current rate structure while increasing rates each year based on the cash flow projections. The second rate option proposes a modification to the commercial consumption rate in which customers are charged based on their strength factor.
- **Rate Impacts** – The goal is to minimize the impact on all customers. For both rate options, there are no changes to the residential fixed rate. Because of the structural changes proposed in the second rate option, some commercial customers may face slightly higher or slightly lower impacts based on actual water consumption and business type.

SEWER ENTERPRISE OVERVIEW

Wastewater Customers

The City currently provides wastewater service to approximately 6,481 customers. The majority of customers are single family residential, accounting for nearly 89 percent of all customers. The City also provides sewer service to approximately 400 customers in Diablo Grande.

TABLE 1 - NUMBER OF SEWER ACCOUNTS		
Customer	No. of Accounts	% of Total
Single Family Residential	5,126	83.4%
Single Family Residential - Diablo Grande	400	6.5%
Commercial	217	3.5%
Multi-Unit Residential	<u>402</u>	<u>6.5%</u>
Total	6,145	100.0%

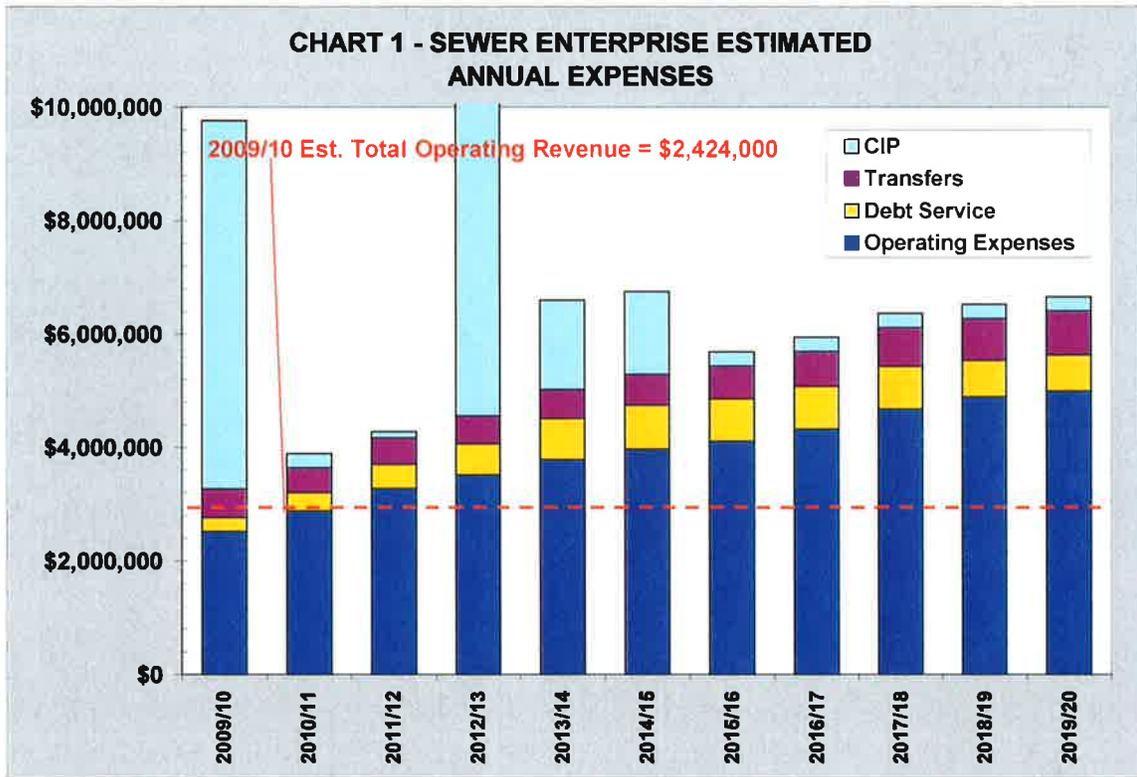
Current Sewer Rates

Table 2 shows a schedule of current sewer service charges. Residential customers are charged a flat monthly charge. Commercial customers are charged the same flat charge but are also billed a consumption rate per ccf for any water use over 10 ccf. The rate for industrial customers is based on actual flow, biochemical oxygen demand and suspended solids discharge. Diablo Grande customers are charged a flat charge equivalent to 1.5 times the current rate.

TABLE 2 - CURRENT SEWER RATES (EFFECTIVE JULY 1, 2009)	
Residential	
Flat Rate	\$26.36
Diablo Grande	\$39.54
Commercial	
Flat Rate includes 10 ccf	\$26.36
Over 10 ccf - rate per ccf	\$1.50
Industrial	
Flow - per gallon	\$0.00330579
BOD - per lb	\$0.41529618
SS - per lb	\$0.41529618
Source: City of Patterson Resolution No. 2005- 82	

TOTAL REVENUE REQUIREMENT

For 2010/11, the total sewer revenue requirement including operating expenses, transfers, debt service and capital projects, is approximately \$3.4 million. Operating expenses account for 65 percent of the revenue requirement while transfers comprise 17 percent of the total. Debt service and transfer comprise 8 percent and 17 percent, respectively. These percentages will vary each year based on the sewer budget and CIP. Chart 1 graphically depicts the City's estimated expenditures beginning in 2009/10 through 2018/19.



Operating Expenses

Total operating expenses for 2010/11 are projected at approximately \$2.1 million. Operating expenses are divided between operations and collections and include salary and benefits, operations and maintenance, and ongoing capital replacement and repairs. All operating expenses, except for salaries, have been escalated by 3 percent each year. Salary and benefits are escalated by 5 percent yearly. Expenditures for biosolids disposal and the implementation of a FOG program have been included in the projections.

The operating fund is required to make two transfers each year. The first transfer is to the general fund to cover overhead and administrative costs and is equal to 15 percent of operating expenses. The second transfer is to the water capital fund, and the amount is based on excess operating revenues available at the end of the fiscal year. Based on staff input, BWA recommends that the target for the transfer to the capital fund be set at 10 percent of total water sales revenue. This target will ensure that a portion of sewer service charge revenues is allocated to fund capital projects each year.

TABLE 3 - SEWER OPERATING EXPENSES												
	Budget Escalation		Projected									
	2009/10	Factor	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Operating Expenses												
Operations												
Salary & Benefits (1)	\$722,194	5.0%	\$758,000	\$856,000	\$899,000	\$944,000	\$991,000	\$1,041,000	\$1,093,000	\$1,220,000	\$1,281,000	\$1,345,000
Operations & Maintenance (2)	611,490	3.0%	632,000	653,000	675,100	697,205	720,315	744,431	769,553	795,681	822,815	849,956
Automatic Payment/Credit Card Payment Fee (3)	10,000	3.0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Capital (R & R)	52,175	3.0%	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	70,000	72,000
Subtotal Operations Expenses	1,395,859		1,454,000	1,575,000	1,642,100	1,711,205	1,783,315	1,859,431	1,938,553	2,093,681	2,183,815	2,276,956
Percent Change	22.5%		4.2%	8.3%	4.3%	4.2%	4.2%	4.3%	4.3%	8.0%	4.3%	4.3%
Collections												
Salary & Benefits (1)	205,027	5.0%	215,000	286,000	300,000	315,000	331,000	348,000	365,000	383,000	476,000	500,000
Operations & Maintenance (2)	156,050	3.0%	161,000	166,000	171,000	176,000	181,000	186,000	192,000	198,000	204,000	210,000
Automatic Payment/Credit Card Payment Fee (3)	0	0.0%	0	0	0	0	0	0	0	0	0	0
Capital (R & R) (4)	6,835	3.0%	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
Subtotal Collections Operating Expenses	367,912		383,000	459,000	478,000	496,000	519,000	541,000	564,000	588,000	687,000	717,000
Percent Change	45.2%		4.1%	19.8%	4.1%	4.2%	4.2%	4.2%	4.3%	4.3%	16.8%	4.4%
Total Operations & Collections												
Salary & Benefits (1)	927,221	5.0%	973,000	1,142,000	1,199,000	1,259,000	1,322,000	1,389,000	1,458,000	1,603,000	1,757,000	1,845,000
Operations & Maintenance (2)	787,540	3.0%	793,000	819,000	846,100	873,205	901,315	930,431	961,553	993,681	1,026,815	1,059,956
Automatic Payment/Credit Card Payment Fee (3)	10,000	3.0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Capital (R & R) (4)	59,010	3.0%	206,000	115,000	95,000	67,000	69,000	91,000	148,000	245,000	317,000	254,000
Biosolids Disposal	0	3.0%	136,000	140,000	144,000	148,000	152,000	157,000	162,000	167,000	172,000	177,000
FOG Program	0	3.0%	0	20,000	21,000	22,000	23,000	24,000	25,000	26,000	27,000	28,000
Total Operating Expenses	1,763,771		2,118,000	2,246,000	2,315,100	2,379,205	2,477,315	2,601,431	2,764,553	3,044,681	3,309,815	3,373,956
Percent Change	26.6%		20.1%	6.0%	3.1%	2.8%	4.1%	5.0%	6.3%	10.1%	8.7%	1.9%
Transfers												
Transfer to General Fund (5)	250,438	varies	318,000	337,000	347,000	357,000	372,000	390,000	415,000	457,000	496,000	506,000
Transfer to Wastewater Capital Fund - 10% (6)	250,000	varies	236,900	257,000	278,800	296,900	316,200	333,500	348,400	364,000	380,300	397,300
Total Transfers	500,438		554,900	594,000	625,800	653,900	688,200	723,500	763,400	821,000	876,300	903,300
Percent Change	-53.8%		10.9%	7.0%	5.4%	4.5%	5.2%	5.1%	5.5%	7.5%	6.7%	3.1%
TOTAL OPERATING EXPENSES	2,264,209		2,672,900	2,840,000	2,940,900	3,033,105	3,165,515	3,324,931	3,527,953	3,865,681	4,186,115	4,277,256
Percent Change	-8.5%		18.1%	6.3%	3.6%	3.1%	4.4%	5.0%	6.1%	9.6%	8.3%	2.2%

1- Includes Projected Personnel Costs Needs Through 2019/20
2- Includes Projected Equipment and Vehicle Needs Through 2019/20.
3- Setup and annual costs for automatic payment to be determined.
4- \$150,000 of Capital R&R projects for 2018/19 allocated to 2017/18
5- 15% of Operating Expenses
6- 10% of Total Sewer Service Revenues

Sewer Capital Improvement Plan

The 10-year sewer capital improvement program from 2010/11 through 2019/20 includes over \$16 million in potential improvements. Adjusting for inflation at 3 percent annually and including factors for contingency and engineering and construction management, the total is projected at \$26 million. The sewer capital projects are broken out into three categories: Operations and Maintenance/Miscellaneous, Water Program, and Retrofit and Replacement. Major projects include biosolids handling, a wastewater treatment plant expansion, and retrofitting utilities in the Old Town Area. For 2015/16 through 2019/20, capital expenditures are estimated at \$250,000 each year. Projects will be funded through various sources, including rates, bonds, developer contributions, grants, and sewer impact fees. Table 4 outlines the City's water capital improvement program. The CIP will be reviewed and updated annually by City staff.

TABLE 4 - SEWER CAPITAL IMPROVEMENT PROGRAM												
	Budget		Projected								Total Ten Year CIP	
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19		2019/20
Operations & Maintenance / Misc. Projects												
Development of New Corp Yard	\$959,756	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	50,000
Adding SCADA to Ward & Orange Lift Station	0	50,000	0	0	0	0	0	0	0	0	0	50,000
<u>Consulting Services/Misc.</u>	<u>4,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal Operations & Maintenance / Misc. Projects	963,756	100,000	0	0	0	0	0	0	0	0	0	100,000
Wastewater Program Projects												
N. Oxidation Ditch Upgrade (SRF Loan)	875,000	0	0	0	0	0	0	0	0	0	0	0
El Circulo Project	20,000	0	0	0	0	0	0	0	0	0	0	0
Biosolids Removal, Pond 1	95,000	75,000	75,000	75,000	0	0	0	0	0	0	0	225,000
WWTP Design, Econ Bank Loan	38,573	0	0	0	0	0	0	0	0	0	0	0
WWTP Expansion, Phase III	0	0	0	14,000,000	0	0	0	0	0	0	0	14,000,000
Biosolids Handling Equipment	1,900,000	0	0	0	0	0	0	0	0	0	0	0
<u>Orange Ave/Hartley Ave Sewer Main (Arcadia Development Easement Deed)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>650,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>650,000</u>
Subtotal Wastewater Program Projects	2,928,573	75,000	75,000	14,075,000	0	650,000	0	0	0	0	0	14,875,000
Retrofit & Replacement												
Old Town Utility Replacement Project, Phase I	1,610,000	0	0	0	0	0	0	0	0	0	0	0
Old Town Utility Replacement Project, Phase II & III	0	0	0	0	1,000,000	250,000	0	0	0	0	0	1,250,000
Emergency Sewer Line Repair	0	0	0	0	0	0	0	0	0	0	0	0
<u>CDBG Sewer Mains Replacement Project</u>	<u>163,322</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal Retrofit & Replacement	1,773,322	0	0	0	1,000,000	250,000	0	0	0	0	0	1,250,000
Subtotal CIP (4)	5,665,651	175,000	75,000	14,075,000	1,000,000	900,000	0	0	0	0	0	16,225,000
Escalation Factor	1.03	1.06	1.09	1.13	1.16	1.19	1.23	1.27	1.30	1.34	1.38	12
Subtotal CIP - Escalated	5,835,621	185,658	81,955	15,841,537	1,159,274	1,074,647	0	0	0	0	0	18,343,070
Engineering & Construction Management - 20%	0	37,132	16,391	3,168,307	231,855	214,929	0	0	0	0	0	3,668,614
Contingency - 20%	0	37,132	16,391	3,168,307	231,855	214,929	0	0	0	0	0	3,668,614
TOTAL SEWER CIP	\$5,835,621	\$259,921	\$114,736	\$22,178,151	\$1,622,984	\$1,504,506	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	26,930,298

Source: Sewer CIP (Updated 2/11/10)

Outstanding Debt

The sewer enterprise presently has four outstanding debt issues and a vehicle lease payment as shown on Table 5. In 2009/10, the City sold \$3,195,000 in sewer revenue bonds and received at \$1,095,000 State Revolving Fund loan to fund capital improvements. Future debt obligations include repaying an \$850,000 loan from the general fund and a \$2.5 million borrowing in 2013/14. Annual debt service for 2010/11 is estimated at \$321,000 and will increase to over \$700,000 in 2013/14. Debt service payments are provided by the City's financial advisor.

The City has to legally abide by a number of debt covenants designed to ensure adequate repayment security. The first covenant requires the City to maintain a debt service coverage ratio of 130 percent on income from all revenues including sewer impact fees. The second covenant requires the City to achieve 115 percent coverage on annual debt service based solely on operating revenues. Based on the cash flow projections, the sewer enterprise is in compliance with the covenants.

TABLE 5 - DEBT SERVICE												
Issue	Amount	Projected										
		2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
1979 Sewer Revenue Bonds, Series A & B	\$250,000	\$13,950	\$14,125	\$13,675	\$14,200	\$17,250	\$17,250	\$17,250	\$17,250	\$17,250	\$6,756	\$6,756
2007 Economic Development Bank Loan	706,329	0	0	100,000	100,000	100,000	100,000	100,000	100,000	106,329	0	0
2009 SRF Loan	1,069,602	0	69,262	69,262	69,262	69,262	69,262	69,262	69,262	69,262	69,262	69,262
2009 Sewer Revenue Bonds	3,195,000	212,547	212,575	216,468	215,038	212,938	215,838	213,563	216,288	213,488	215,688	212,688
Lease Payment Impala/Vacuum Truck (1)	25,305	25,305	25,305	25,305	25,305	25,305	25,104	0	0	0	0	0
General Fund Loan (2)	850,000	0	0	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Future Debt - 2013/14 (3)	<u>2,500,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>175,000</u>	<u>225,000</u>						
Total	8,570,931	251,802	321,267	424,709	503,804	679,754	732,453	705,074	707,799	711,328	596,705	593,705
Percent Change			27.6%	32.2%	18.8%	34.9%	7.8%	-3.7%	0.4%	0.5%	-16.1%	-0.5%

1 - Shared with Water Enterprise - 33% Water / 67% Sewer

2 - Assumes even annual payments with 4% interest for 14 years beginning in 2012/13, loan may be repaid sooner if funds are available

3 - Debt service from Sewer CIP 2/11/10

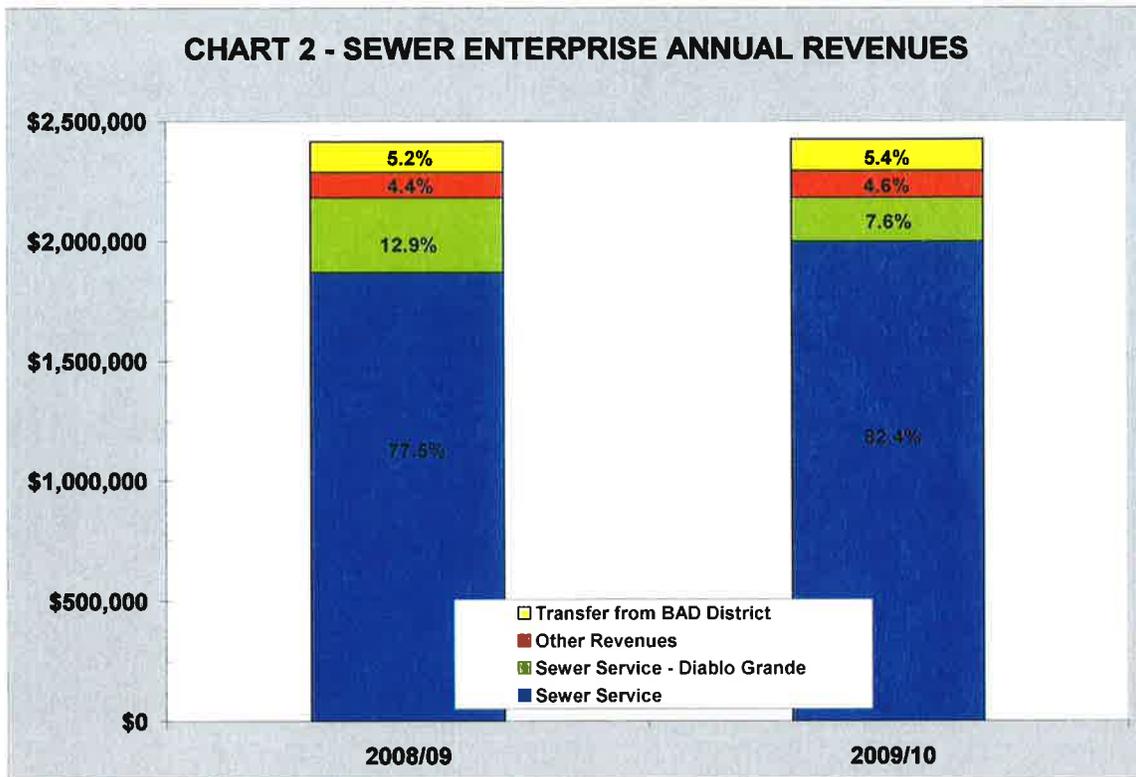
RESERVE FUNDS

As of July 1, 2009, the City held reserves of nearly \$3.3 million in both water operations and capital as shown on Table 6. The City currently does not have a minimum fund reserve balance for the water enterprise. BWA recommends the City aim to maintain a sewer enterprise operating fund reserve target equivalent to 30 percent of annual operating and maintenance expenditures. This is an achievable and healthy level of reserves that should provide adequate financial cushion for dealing with annual revenue and expense fluctuations and non-catastrophic emergencies. The fund reserve target will escalate over time as expenses for the water enterprise gradually increase. It is acceptable if reserves fall below the target on a temporary basis, provided action is taken to achieve the target over the longer run.

TABLE 6 - RESERVE FUND BALANCES AS OF JULY 1, 2009	
Sewer Operations - Fund 605	
<u>Unrestricted</u>	
Cash Bank of the West	<u>\$278,123</u>
Subtotal Unrestricted	278,123
<u>Restricted</u>	
Cash w/Fiscal Agent	24,037
Cash Fiscal Agent - Reserve Fund	<u>216,475</u>
Subtotal Restricted	240,512
Total Fund 605 Reserves	518,634
Sewer Capital - Fund 606	
Cash	0
Cash Bank of the West	<u>3,272,871</u>
Subtotal Unrestricted	3,272,871
Total Fund 606 Reserves	3,272,871
Source: General Ledger - Summary Trial Balance and CIP (2/11/10)	

REVENUES

For the budget year 2009/10, the City anticipates to collect total water revenues of about \$2.4 million. Water service revenues are projected at \$2.1 million, accounting for approximately 90% of all revenues. Other revenue sources include transfers from BAD districts, interest, late fees, permit fees, code enforcement, and other miscellaneous fees. Chart 2 shows a breakdown of the water enterprise's revenues for 2008/09 and 2009/10.



CASH FLOW PROJECTIONS

Based on the total revenue requirement, BWA developed 10-year cash projections to evaluate long-term finances and determine rate increases as shown on Table 7. The projected rate increases include three 8 percent increases beginning in 2010/11 through 2012/13 followed by two 6 percent increases thereafter. BWA financial projections are based on the best information currently available as well as a number of conservative assumptions including:

Revenues

- The first rate adjustments will take effect on September 3, 2010 and on July 1 of each year thereafter.
- Growth in customer base is conservatively projected to yield a 0.5% increase in net revenues each year beginning 2010/11. Assumes no growth for Diablo Grande customers.
- All other revenues are projected to increase at 3 percent annually.
- Rates are designed to meet debt service coverage requirements each year.
- Capital revenue sources and amounts are based on the wastewater capital improvement program.

Expenses

- All operating expenses, except for salary and benefits, escalate at the annual rate of 3.0 percent from the 2009/10 budget to account for cost inflation.
- The projections include a \$2.5 million bond issue in 2013/14.
- Debt service payments include the general fund loan repayment beginning in 2012/13.
- The yearly transfer to the general fund is equivalent to 15 percent of operating expenditures.
- The annual transfer from the operating fund to the capital fund is equal to 10 percent of total sewer service revenues.
- Capital project expenditures beginning in 2015/16 are estimated at \$250,000 yearly. The CIP will be reviewed and updated annual by the City.

TABLE 7 - SEWER ENTERPRISE CASH FLOW PROJECTIONS											
	Budget				Projected						
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Beginning Fund Balance											
Operating Fund 605	\$518,634	\$428,845	\$299,045	\$222,345	\$265,045	\$400,040	\$599,325	\$816,994	\$1,015,441	\$1,038,360	\$910,145
Capital Fund 606	3,272,870	1,706,944	3,149,719	2,974,506	1,293,239	2,550,064	1,209,878	1,088,439	902,003	778,401	839,163
% Rate Adjustment	6.0%	8.0%	8.0%	8.0%	6.0%	6.0%	5.0%	5.0%	4.0%	4.0%	4.0%
Growth - %		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
REVENUES											
Operating Revenues											
Sewer Service	1,998,000	2,088,000	2,286,000	2,481,000	2,643,000	2,816,000	2,972,000	3,136,000	3,278,000	3,426,000	3,581,000
Sewer Service - Diablo Grande	185,000	198,000	214,000	231,000	245,000	260,000	273,000	287,000	298,000	310,000	322,000
Interest	16,000	16,500	17,000	17,500	18,000	18,500	19,100	19,700	20,300	20,900	21,500
Other Revenues	95,420	98,400	101,400	104,500	107,700	111,000	114,300	117,700	121,200	124,700	128,400
<u>Transfer from BAD Districts</u>	<u>130,000</u>	<u>133,900</u>	<u>137,900</u>	<u>142,000</u>	<u>146,300</u>	<u>150,700</u>	<u>155,200</u>	<u>159,900</u>	<u>164,700</u>	<u>169,600</u>	<u>174,700</u>
Total Operating Revenue	2,424,420	2,534,800	2,756,300	2,976,000	3,160,000	3,356,200	3,533,600	3,720,300	3,882,200	4,051,200	4,227,600
Capital Revenues											
Transfer from Sewer Operating Fund - 10% (6)	500,000	228,600	250,000	271,200	288,800	307,600	324,500	342,300	357,600	373,600	390,300
From General Fund (Loan)	850,000	0	0	0	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	2,500,000	0	0	0	0	0	0
State Loan (SRF Funding)	1,069,602	0	0	0	0	0	0	0	0	0	0
Misc. Grant Funding (i.e. CBGB Funds) Fund 312	163,322	0	0	0	0	0	0	0	0	0	0
CFD (Keystone Business Park)	1,400,000	1,400,000	0	400,000	0	0	0	0	0	0	0
Economic Development Bank Loan (WWTP Expansion Phase III Design) -	38,573	0	0	0	0	0	0	0	0	0	0
Developer Contributions	0	0	0	19,600,000	0	0	0	0	0	0	0
Sewer Impact Fee Revenue	0	44,362	114,232	729,488	770,763	589,173	509,136	429,062	480,126	533,868	590,401
<u>Sewer Impact Fee Revenue - Comm/Indus</u>	<u>500,000</u>	<u>351,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Capital Revenue	4,521,497	2,023,962	364,232	21,000,688	3,559,563	896,773	833,636	771,362	837,726	907,468	980,701
TOTAL REVENUES	6,945,917	4,558,762	3,120,532	23,976,688	6,719,563	4,252,973	4,367,236	4,491,662	4,719,926	4,959,668	5,208,301
EXPENSES											
Operating Expenses											
Salary & Benefits (1)	927,221	973,000	1,142,000	1,199,000	1,259,000	1,322,000	1,389,000	1,458,000	1,603,000	1,757,000	1,845,000
Operations & Maintenance (2)	777,540	803,000	829,000	858,100	883,205	911,315	940,431	971,553	1,003,681	1,036,815	1,069,956
Capital (R & R) (3)	59,010	206,000	115,000	95,000	67,000	69,000	91,000	148,000	245,000	317,000	254,000
Biosolids Disposal	0	136,000	140,000	144,000	148,000	152,000	157,000	162,000	167,000	172,000	177,000
FOG Program	0	0	20,000	21,000	22,000	23,000	24,000	25,000	26,000	27,000	28,000
Transfer to General Fund (5)	250,438	318,000	337,000	347,000	357,000	372,000	390,000	415,000	457,000	496,000	506,000
<u>Transfer to Sewer Capital Fund - 10% (6)</u>	<u>500,000</u>	<u>228,600</u>	<u>250,000</u>	<u>271,200</u>	<u>288,800</u>	<u>307,600</u>	<u>324,500</u>	<u>342,300</u>	<u>357,600</u>	<u>373,600</u>	<u>390,300</u>
Total Operating Expenses	2,514,209	2,664,600	2,833,000	2,933,300	3,025,005	3,156,915	3,315,931	3,521,853	3,859,281	4,179,415	4,270,256
Capital Expenses											
Capital Improvement Project	5,835,621	259,921	114,736	22,178,151	1,622,984	1,504,506	250,000	250,000	250,000	250,000	250,000
Debt Service (4)	251,802	321,267	424,709	503,804	679,754	732,453	705,074	707,799	711,328	596,705	593,705
Total Capital Expenses	6,087,423	581,187	539,446	22,681,955	2,302,738	2,236,959	955,074	957,799	961,328	846,705	843,705
TOTAL EXPENSES	8,601,632	3,245,787	3,372,446	25,615,255	5,327,743	5,393,874	4,271,005	4,479,652	4,820,609	5,026,120	5,113,961
Net Revenues - Operating Fund	(89,789)	(129,800)	(76,700)	42,700	134,995	199,285	217,669	198,447	22,919	(128,215)	(42,656)
<u>Net Revenues - Capital Fund</u>	<u>(1,565,926)</u>	<u>1,442,775</u>	<u>(175,213)</u>	<u>(1,681,267)</u>	<u>1,256,825</u>	<u>(1,340,186)</u>	<u>(121,439)</u>	<u>(186,437)</u>	<u>(123,602)</u>	<u>60,762</u>	<u>136,996</u>
TOTAL NET REVENUES	(1,655,715)	1,312,975	(251,913)	(1,638,567)	1,391,820	(1,140,901)	96,230	12,010	(100,683)	(67,453)	94,340
Ending Fund Balance											
Operating Fund 605	428,845	299,045	222,345	265,045	400,040	599,325	816,994	1,015,441	1,038,360	910,145	867,489
Capital Fund 606	1,706,944	3,149,719	2,974,506	1,293,239	2,550,064	1,209,878	1,088,439	902,003	778,401	839,163	976,159
Debt Service Coverage w/ Impact Revenues (Min. 1.30x)	4.61	2.53	1.47	2.76	2.28	2.00	2.04	1.96	1.85	2.14	2.43
<i>Target Met</i>	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Debt Service Coverage based on rates (Min. 1.15x)	2.62	1.30	1.20	1.31	1.15	1.20	1.32	1.35	1.18	1.24	1.44
<i>Target Met</i>	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Fund Reserve Target - 30% of Operating Expenses	529,131	635,400	673,800	694,530	713,762	743,195	780,429	829,366	913,404	992,945	1,012,187
<i>Target Met</i>	no	no	no	no	no	no	yes	yes	yes	no	no
1 - Includes Projected Personnel Costs Through 2019/20 2 - Includes \$10,000 annually for automatic payment/credit card payment fee 3 - Includes Projected Equipment and Vehicle Needs Through 2019/20 4 - Includes \$850,000 General Fund loan repayment 5 - 15% of Operating Expenses 6 - 10% of Total Sewer Service Revenues											

RATE OPTIONS

Two rate structure options are presented for consideration as detailed in Table 8. Sewer rates were developed to cover O&M costs, build fund reserves, and provide debt service funding for water capital improvement projects. Although the proposed rates are shown through 2019/20, the City will only be adopting 5 years of rate increases beginning in 2010/11 through 2014/15.

Rate Option 1

The first rate option is to maintain the City's current rate structure escalated by the proposed rates. The residential rate remains a monthly fixed charge. Commercial customers are charged a fixed charge in addition to a consumption charge for any water consumed over 10 ccf. In previous years, the consumption rate has not been escalated. However, BWA is recommending increasing the commercial consumption rate by the same percentage as the fixed charge. BWA also recommends increasing the industrial rates yearly by the same percentage.

Rate Option 2

The second rate option proposes no modification to the residential rates. Commercial customers will be charged the same fixed rate plus a consumption charge for water use over 8 ccf that is weighted by business type. The amount of water has been decreased from 10 ccf to 8 ccf to make the commercial rates more equitable with residential rates. Typical winter water use for residential customers is 8 ccf per month. For the commercial consumption rates, there are two strength categories – domestic and medium/high. Domestic strength customers include offices, retail, schools and health services, comprising nearly 85 percent of all commercial customers. The medium/high strength category includes markets, delis, mixed use, RV parks, and restaurants. Approximately 35 businesses fall into the higher strength category. Similar to the rate option 1, BWA recommends increasing both the commercial consumption rate and industrial rates annually.

TABLE 8 - SEWER RATE OPTIONS											
	Current 2009/10	2010/11	2011/12	2012/13	2013/14	Proposed					
						2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
% Rate Adjustment		8%	8%	8%	6%	6%	5%	4%	4%	4%	4%
Rate Option 1 - Base Case											
Residential											
Flat Rate	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31	\$39.18	\$40.75	\$42.38	\$44.08	\$45.84
Diablo Grande - Flat Rate	\$39.54	\$42.71	\$46.13	\$49.82	\$52.80	\$55.97	\$58.77	\$61.13	\$63.57	\$66.12	\$68.76
Commercial											
Flat Rate includes 10 ccf	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31	\$39.18	\$40.75	\$42.38	\$44.08	\$45.84
Over 10 ccf - rate per ccf	\$1.50	\$1.62	\$1.75	\$1.89	\$2.00	\$2.12	\$2.23	\$2.32	\$2.41	\$2.51	\$2.61
Industrial											
Flow - per gallon	\$0.00330579	\$0.00357025	\$0.00385587	\$0.00416434	\$0.00441420	\$0.00467905	\$0.00491300	\$0.00510952	\$0.00531390	\$0.00552846	\$0.00574752
BOD - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536	\$0.61720613	\$0.64189438	\$0.66757016	\$0.69427297	\$0.72204389
SS - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536	\$0.61720613	\$0.64189438	\$0.66757016	\$0.69427297	\$0.72204389
Rate Option 2											
Residential											
Flat Rate	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31	\$39.18	\$40.75	\$42.38	\$44.08	\$45.84
Diablo Grande - Flat Rate	\$39.54	\$42.71	\$46.13	\$49.82	\$52.80	\$55.97	\$58.77	\$61.13	\$63.57	\$66.12	\$68.76
Commercial											
Flat Rate includes 8 ccf	\$26.36	\$28.47	\$30.75	\$33.21	\$35.20	\$37.31	\$39.18	\$40.75	\$42.38	\$44.08	\$45.84
Consumption Charge per ccf											
Domestic	1.0	\$1.50	\$1.62	\$1.75	\$1.89	\$2.00	\$2.12	\$2.23	\$2.32	\$2.41	\$2.51
Medium/High	1.5	\$1.50	\$2.43	\$2.62	\$2.83	\$3.00	\$3.18	\$3.34	\$3.47	\$3.61	\$3.75
Industrial											
Flow - per gallon	\$0.00330579	\$0.00357025	\$0.00385587	\$0.00416434	\$0.00441420	\$0.00467905	\$0.00491300	\$0.00510952	\$0.00531390	\$0.00552846	\$0.00574752
BOD - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536	\$0.61720613	\$0.64189438	\$0.66757016	\$0.69427297	\$0.72204389
SS - per lb	\$0.41529618	\$0.44851987	\$0.48440146	\$0.52315358	\$0.55454279	\$0.58781536	\$0.61720613	\$0.64189438	\$0.66757016	\$0.69427297	\$0.72204389

PROJECTED RATE IMPACTS

Table 9 calculates the impacts of the rate adjustments for residential customers and a sample of commercial customers. Residential customers will see the same increase in both

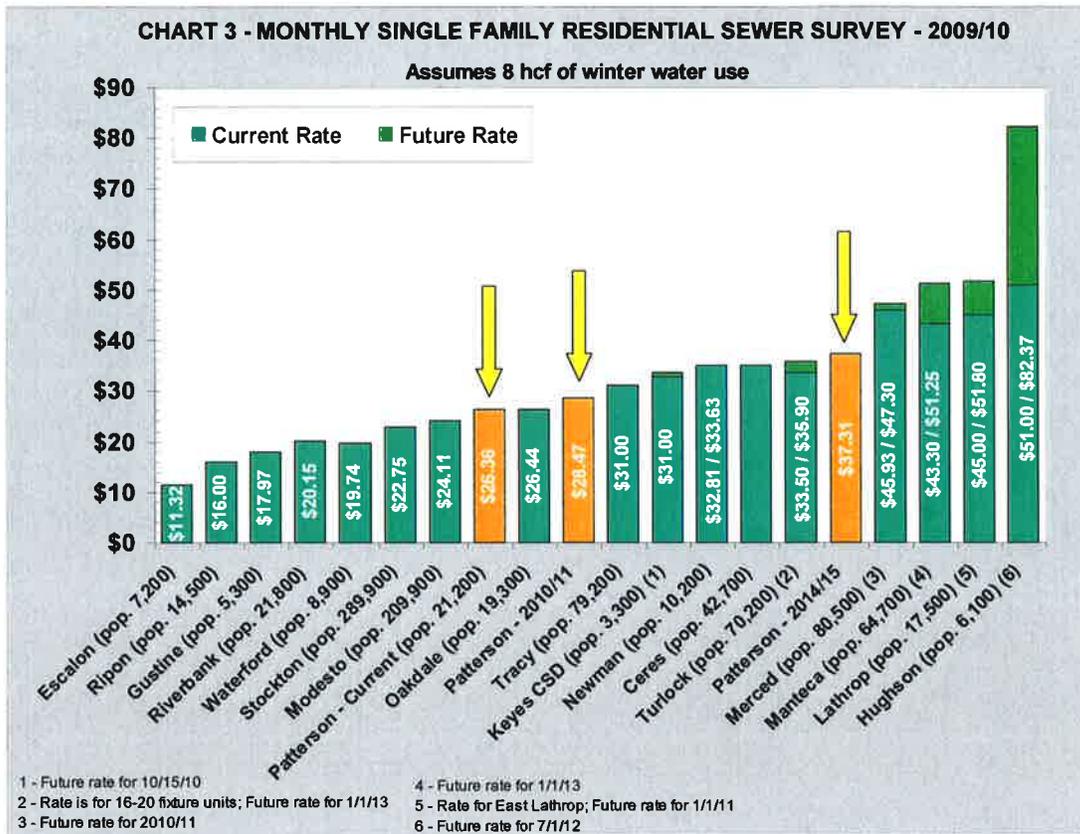
rate options. The rate impacts for commercial customers will vary based on water consumption and business type.

TABLE 9 - IMPACTS FOR CUSTOMERS				
	Monthly Use (ccf)	2009/10 Rate	Projected 2010/11 Monthly Bill	
			Option 1	Option 2
Single Family Residential				
Flat Rate		\$26.36	\$28.47	\$28.47
<u>Consumption Rate</u>		\$0.00	\$0.00	\$0.00
Total Sewer Service Charge		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Commercial				
<u>Domestic Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	10	\$0.00	\$0.00	\$3.24
Increase \$			\$0.00	\$3.24
Increase %			0.0%	100.0%
Total Sewer Service Charge		\$26.36	\$28.47	\$31.71
Increase \$			\$2.11	\$5.35
Increase %			8.0%	20.3%
<u>Domestic Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	45	\$52.50	\$56.70	\$59.94
Increase \$			\$4.20	\$7.44
Increase %			8.0%	14.2%
Total Sewer Service Charge		\$78.86	\$85.17	\$88.41
Increase \$			\$6.31	\$9.55
Increase %			8.0%	12.1%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
Increase \$			\$2.11	\$2.11
Increase %			8.0%	8.0%
Consumption Rate	29	\$28.50	\$30.78	\$51.03
Increase \$			\$2.28	\$22.53
Increase %			8.0%	79.1%
Total Sewer Service Charge		\$54.86	\$59.25	\$79.50
Increase \$			\$4.39	\$24.64
Increase %			8.0%	44.9%

<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	52	\$63.00	\$68.04	\$106.92
<i>Increase \$</i>			\$5.04	\$43.92
<i>Increase %</i>			8.0%	69.7%
Total Sewer Service Charge		\$89.36	\$96.51	\$135.39
<i>Increase \$</i>			\$7.15	\$46.03
<i>Increase %</i>			8.0%	51.5%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	84	\$111.00	\$119.88	\$184.68
<i>Increase \$</i>			\$8.88	\$73.68
<i>Increase %</i>			8.0%	66.4%
Total Sewer Service Charge		\$137.36	\$148.35	\$213.15
<i>Increase \$</i>			\$10.99	\$75.79
<i>Increase %</i>			8.0%	55.2%
<u>Medium/High Strength</u>				
Flat Rate		\$26.36	\$28.47	\$28.47
<i>Increase \$</i>			\$2.11	\$2.11
<i>Increase %</i>			8.0%	8.0%
Consumption Rate	223	\$319.50	\$345.06	\$522.45
<i>Increase \$</i>			\$25.56	\$202.95
<i>Increase %</i>			8.0%	63.5%
Total Sewer Service Charge		\$345.86	\$373.53	\$550.92
<i>Increase \$</i>			\$27.67	\$205.06
<i>Increase %</i>			8.0%	59.3%

SEWER RATE SURVEY

Chart 3 shows a rate survey of the surrounding area for single family residential customers based on 2009/10 rates. The survey compares the City's current and proposed sewer rates for 2010/11 and 2014/15. Future rate increases for many agencies are unknown; the cities and agencies that have approved multi-year increases are shown. The City's current rate falls in the mid-range, and future rates are also expected to fall in the mid-range.



RECOMMENDATION

Based on input from the Project Team, BWA recommends implementing Sewer Rate Option #1 in order to fund the sewer enterprise's long-term operating and maintenance expenses and capital improvement program while maintaining an adequate level of debt service coverage and utility reserves. For a typical single family residential customer, the rate increase for 2010/11 will result in a \$2.11 monthly increase.

4 PROPOSITION 218

Proposition 218, the “Right to Vote on Taxes Act”, was approved by California voters in November 1996 and is codified as Articles XIII C and XIII D of the California Constitution. Proposition 218 establishes requirements for imposing or increasing property related taxes, assessments, fees and charges. For many years, there was no legal consensus on whether water and sewer rates met the definition of “property related fees”. In July 2007, the California Supreme Court essentially confirmed that Proposition 218 applies to water rates. The prevailing legal consensus is that Proposition 218 also applies to wastewater rates.

BWA recommends the City follow the procedural requirements of Proposition 218 for all water and wastewater rate increases. These requirements include:

- **Noticing Requirement:** The City must mail a notice of proposed rate increases to all affected property owners. The notice must specify the basis of the fee, the reason for the fee, and the date/time/location of a public rate hearing at which the proposed rates will be considered/adopted.
- **Public Hearing:** The City must hold a public hearing prior to adopting the proposed rate increases. The public hearing must be held not less than 45 days after the required notices are mailed.
- **Rate Increases Subject to Majority Protest:** At the public hearing, the proposed rate increases are subject to majority protest. If more than 50% of affected property owners submit written protests against the proposed rate increases, the increases cannot be adopted.

Proposition 218 also established a number of substantive requirements that are generally deemed to apply to utility service charges, including:

- **Cost of Service** - Revenues derived from the fee or charge cannot exceed the funds required to provide the service. In essence, fees cannot exceed the “cost of service”.
- **Intended Purpose** - Revenues derived from the fee or charge can only be used for the purpose for which the fee was imposed.
- **Proportional Cost Recovery** - The amount of the fee or charge levied on any customer shall not exceed the proportional cost of service attributable to that customer.
- No fee or charge may be imposed for a service unless that service is used by, or immediately available to, the owner of the property. Standby charges shall be classified as “assessments” which are governed by Article 13D Section 4.

Charges for water, sewer, and refuse collection are exempt from the additional voting requirements of Proposition 218 provided the charges do not exceed the cost of providing service and are adopted pursuant to procedural requirements of Proposition 218.

Appendix I - Water Shortage Contingency Plan Resolution

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RESOLUTION NO. 2016-_____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON
ADOPTING THE WATER SHORTAGE CONTINGENCY PLAN AS INCLUDED IN THE
2015 URBAN WATER MANAGEMENT PLAN.**

WHEREAS, the California Legislature enacted Assembly Bill 11X during the 1991 Extraordinary Session of the California Legislature (an act to amend California Water Code Sections 10620, 10631, and 10652, and to add Section 10656 to the California Water Code, relating to water); and

WHEREAS, AB11X requires that every urban water supplier providing potable water directly to more than 3,000 customers or supplying more than 3,000 acre feet of water to develop a Water Shortage Contingency Plan; and

WHEREAS, AB11X mandates that said Water Shortage Contingency Plan be filed with the California Department of Water Resources by January 31, 1992; and

WHEREAS, the city of Patterson (City) is an urban water supplier providing water to more than 3,000 customers, and therefore, has prepared and filed a Water Shortage Contingency Plan, in compliance with requirements of AB11X; and

WHEREAS, the City obtains water from the Delta-Mendota Groundwater Subbasin; and

WHEREAS, the City's 2015 Urban Water Management Plan (UWMP) was approved in June 2016, and includes a Water Shortage Contingency Plan that sets forth three water conservation stages, attached hereto as Exhibit A, designed to reduce overall water usage; and

WHEREAS, public hearings have been conducted regarding the implementation of the City's Water Shortage Contingency Plan;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the city of Patterson:

1. The Water Shortage Contingency Plan is hereby implemented;
2. The City is hereby authorized (should the need arise) to declare a Water Shortage Emergency and implement the Water Shortage Contingency Plan;
3. The City shall take necessary actions to mitigate the effects on customers of the water shortage while continuing to fulfill its duties as a public utility water company.

The foregoing resolution was passed by the City Council of the city of Patterson at a regular meeting held on the 7th day of June 2016, by _____, who moved its adoption, which motion was duly seconded by _____, and the resolution adopted by the following vote:

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YES:
NOES:
ABSENT:

APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

I hereby certify that the foregoing is a full, correct and true copy of a resolution passed by the City Council of the city of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATED:

Maricela L. Vela, City Clerk of the City of Patterson

Appendix J - 2013-2014 Best Management Practice Report

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CUWCC BMP Retail Coverage Report 2014

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK

73 City of Patterson

1. Conservation Coordinator provided with necessary resources to implement BMPs?

Name:

Title:

Email:

2. Water Waste Prevention Documents

WW Document Name	WWP File Name	WW Prevention URL	WW Prevention Ordinance Terms Description
Option A Describe the ordinances or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.			
Option B Describe any water waste prevention ordinances or requirements adopted by your local jurisdiction or regulatory agencies within your service area.		http://www.codepublishing.com/CA/Patterson/	Section 13.21.240 Negligent Waste of Water and Section 13.24.380 Irrigation of Private Lawns Restricted
Option C Describe any documentation of support for legislation or regulations that prohibit water waste.			
Option D Describe your agency efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.			
Option E Describe your agency support positions with respect to adoption of legislation or regulations that are consistent with this BMP.			
Option F Describe your agency efforts to support local ordinances that establish permits requirements for water efficient design in new development.			

At Least As effective As

Exemption

Comments:



CUWCC BMP Retail Coverage Report 2014

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control

Exempt

73 City of Patterson

Completed Standard Water Audit Using AWWA Software? No

AWWA File provided to CUWCC? No

AWWA Water Audit Validity Score?

Complete Training in AWWA Audit Method No

Complete Training in Component Analysis Process? No

Component Analysis? No

Repaired all leaks and breaks to the extent cost effective? No

Locate and Repair unreported leaks to the extent cost effective? No

Maintain a record keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair. No

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.3 Metering With Commodity

Exempt

73 City of Patterson

Numbered Unmetered Accounts No

Metered Accounts billed by volume of use Yes

Number of CII Accounts with Mixed Use Meters 0

Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? No

Feasibility Study provided to CUWCC? No

Date: 1/1/0001

Uploaded file name:

Completed a written plan, policy or program to test, repair and replace meters Yes

At Least As effective As

Exemption

Comments:

Although the city has requested an exemption in the past, 100 percent of our water connections are metered and billed volumetrically. As for replacement of the meters, the city replaces meters depending on their lifespan, which is 10-15 years.



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.4 Retail Conservation Pricing

On Track

73 City of Patterson

Implementation (Water Rate Structure)

Customer Class	Water Rate Type	Conserving Rate?	(V) Total Revenue Comodity Charges	(M) Total Revenue Fixed Carges
Single-Family	Increasing Block	Yes	1679240.27	745703
Multi-Family	Increasing Block	Yes	34313.14	23568.5
Commercial	Increasing Block	Yes	533379.25	179513.39
Dedicated Irrigation	Increasing Block	Yes	882698.17	75768.79
			3129630.83	1024553.68

Calculate: V / (V + M) 75 %

Implementation Option: Use Annual Revenue As Reported

Use 3 years average instead of most recent year

Canadian Water and Wastewater Association

Upload file:

Agency Provide Sewer Service: Yes

Customer Class	Rate Type	Conserving Rate?
Single-Family	Non-Volumetric Flat Rate	No
Multi-Family	Non-Volumetric Flat Rate	No
Commercial	Increasing Block	Yes

At Least As effective As

Exemption

Comments:

For commercial sewer charges, charges are based on water meter readings. There is a flat rate of \$37.21 for the first 10 ccf. Over 10 ccf, the rate per ccf is \$2.12.



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

73

City of Patterson

Retail

Does your agency perform Public Outreach programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quarter of the reporting year? Yes

Public Outreach Program List	Number
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets	2
Website	4
General water conservation information	4
Total	10

Did at least one contact take place during each quarter of the reporting year? Yes

Number Media Contacts	Number
Newspaper contacts	4
Total	4

Did at least one website update take place during each quarter of the reporting year? Yes

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Public Outreach	15000
Total Amount:	15000

Public Outreach Additional Programs

Public Events

Description of all other Public Outreach programs

Comments:

At Least As effective As

Exemption



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

ON TRACK

73 City of Patterson

Retail

Does your agency implement School Education programs? No

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

Materials meet state education framework requirements? Yes

Environmental handouts and presentation meet the CA Department of Education's Curriculum and Instruction.

Materials distributed to K-6? Yes

Environmental handouts and presentation met the CA Department of Education's Curriculum and Instruction.

Materials distributed to 7-12 students? No (Info Only)

Annual budget for school education program: 3800.00

Description of all other water supplier education programs

We hold four public outreach events: Apricot Fiesta, Arbor Week, National Public Works Week, and the Back to School Event.

Comments:

At Least As effective As No

Exemption No 0



CUWCC BMP Coverage Report 2014

BMP3 - Residential

Exempt

Agency **City of Patterson**

Date Agency Signed MOU: 12/8/1997

Coverage Option: Traditional

Total Measured Water Savings (AF/Year)

TRADITIONAL	FLEXTRACK	ACTUAL	TARGET	Prior Activities Credit
5.09	0	5.09	5.52	

Residential Assistance

	Single Family Accounts	Single Family Target	Multi Family Units	Multi Family Target
Total Number Of Accounts/Units	5788		27	
Total Participants during Reporting	0		0	
Number of Leak Detection Surveys or Assistance on Customer Property	95	86.82	2	0.41
Number of Faucet Aerators Distributed	128		0	
Number of WSS Showerheads Distributed	83			
Landscape Water Surveys	95	86.82	0	

Has agency reached a 75% market saturation for showerheads? Yes

High Efficiency Clothes Washers

	Single Family Accounts	Single Family Target
Number of installations for HECW	0	57.88
Are financial incentives provided for HECWs?	Yes	
Has agency completed a HECW Market Penetration Study?	No	

Water Sense Specification Toilets

Retrofit 'On Resale' Ordinance exists	No	
75% Market Penetration Achieved	No	
	Single Family Units	Multi Family Units
Five year average Resale Rate	0.00	0.00
Number Toilets per Household	0	0
Number WSS Toilets Installed	28	0
Target Number of WSS Toilets	0.00	0.00

WSS for New Residential Development

	Single Family Units	Multi Family Units
Does an Ordinance Exists Requiring WSS Fixtures and Appliances in new SF and MF residences?	No	Yes
Number of new SF & MF units built	0	0
Incentives		



CUWCC BMP Coverage Report 2014

BMP3 - Residential

Exempt

Unique Conservation Measures

Residential Assistance / Landscape Water Survey unique water savings

Measured water savings (AF/YR) 0

Uploaded file name:

High Efficiency Clothes Washers unique water savings

Measured water savings (AF/YR) 0

Uploaded file name:

WaterSense Specification toilets unique water savings

SF Measured water savings (AF/YR) MF Measured water savings (AF/YR)

Uploaded file name:

WaterSense Specification toilets for New Residential development unique water savings

Measured water savings (AF/YR) 0

Uploaded file name:

High bill contact with single-family and multi-family customers

Measured water savings (AF/YR)

Uploaded file name:

Educate residential customers about the behavioral aspects of water conservation

Measured water savings (AF/YR) 0

Uploaded file name:

Notify residential customers of leaks on the customer's side of the meters

Measured water savings (AF/YR) 0

Uploaded file name:

Provide bill or surcharge refunds for customers to repair leaks on the customer's side of the meters

Measured water savings (AF/YR) 0

Uploaded file name:

Provide unique water savings fixtures that are not included in the BMP list above

Measured water savings (AF/YR) 0

Uploaded file name:

Install residence water use monitors

Measured water savings (AF/YR) 0

Uploaded file name:

Participate in programs that provide residences with school water conservation kits

Measured water savings (AF/YR) 0

Uploaded file name:

Implement in automatic meter reading program for residential customers



CUWCC BMP Coverage Report 2014

BMP3 - Residential

Exempt

Measured water savings (AF/YR) 0

Uploaded file name:

OTHER Types of Measures

Measured water savings (AF/YR) 0

Uploaded file name:

Traditional Water Savings Calculation result:

Measures	Target Water Savings (AF):	Actual Water Savings (AF):
SF Leak Detection Surveys	1.95	2.13
MF Leak Detection Surveys	0.00	0.02
Landscape Water Surveys	1.95	2.13
SF WSS Toilets Installed	0.00	0.81
MF WSS Toilets Installed	0.00	0.00
HECW	1.62	0.00

Comments:

At Least As Effective As No

Exemption Yes Cost Effectiveness



CUWCC BMP Coverage Report 2014

BMP4 - Commercial Industrial Institutional

Exempt

Agency **City of Patterson**

Date Agency Signed MOU: 12/8/1997

Coverage Option: Traditional

CII Baseline Water Use (AF): 245.00

CII Water Use Reduction(AF): 24.5

Total Measured Water Savings (AF/Year)

TRADITIONAL	FLEXTRACK	ACTUAL	TARGET	Prior Activities Credit
0	0	0	10.54	

	<u>Quantity Installed:</u>	<u>Water Savings:</u>	<u>Accept Council's default value</u>
Water Efficiency Measures:			
1 High Efficiency Toilets (1.2 GPF or less)	0		No
2 High Efficiency Urinals (0.5 GPF or less)	0		No
3 Ultra Low Flow Urinals	0.00		No
4 Zero Consumption Urinals	0.00		No
5 Commercial High Efficiency Single Load Clothes Washers	0.00		No
6 Cooling Tower Conductivity Controllers	0.00		No
7 Cooling Tower pH Controllers	0.00		No
8 Connectionless Food Steamers	0.00		No
9 Medical Equipment Steam Sterilizers	0.00		No
10 Water Efficient Ice Machines	0.00		No
11 Pressurized Water Brooms	0.00		No
12 Dry Vacuum Pumps	0.00		No

Total Water Savings: 0.00

Unique Conservation Measures

Industrial Process Water Use Reduction

Measured water savings (AF/YR)

Uploaded file name:

Commercial Laundry Retrofits

Measured water savings (AF/YR)

Uploaded file name:

Industrial Laundry Retrofits

Measured water savings (AF/YR)

Uploaded file name:

Filter Upgrades (for pools, spas and fountains)



CUWCC BMP Coverage Report 2014

BMP4 - Commercial Industrial Institutional

Exempt

Measured water savings (AF/YR)

Uploaded file name:

Car Wash Reclamation Systems

Measured water savings (AF/YR)

Uploaded file name:

Wet Cleaning

Measured water savings (AF/YR)

Uploaded file name:

Water Audits (to avoid double counting, do not include device/replacement water savings)

Measured water savings (AF/YR)

Uploaded file name:

Clean In Place (CIP) Technology (such as bottle sterilization in a beverage processing plant)

Measured water savings (AF/YR)

Uploaded file name:

Waterless Wok

Measured water savings (AF/YR)

Uploaded file name:

Alternative On-site Water Sources

Measured water savings (AF/YR)

Uploaded file name:

Sub-metering

Measured water savings (AF/YR)

Uploaded file name:

High Efficiency Showerheads

Measured water savings (AF/YR)

Uploaded file name:

Faucet Flow Restrictors

Measured water savings (AF/YR)

Uploaded file name:

Water Efficiency Dishwashers

Measured water savings (AF/YR)

Uploaded file name:

Hot Water on Demand

Measured water savings (AF/YR)

Uploaded file name:

Pre-rinse spray Valves of 1.3 gpm (gallons per minute) or less



CUWCC BMP Coverage Report 2014

BMP4 - Commercial Industrial

Exempt

Institutional

Pre-rinse spray Valves of 1.3 gpm (gallons per minute) or less

Measured water savings (AF/YR)

Uploaded file name:

Central Flush Systems

Measured water savings (AF/YR)

Uploaded file name:

Other Measures chosen by the Agency

Measured water savings (AF/YR)

Uploaded file name:

Comments:

At Least As Effective As

No

Exemption

Yes Cost Effectiveness



CUWCC BMP Coverage Report 2014

BMP5 - Landscape

Exempt

Agency **City of Patterson**

Date Agency Signed MOU: 12/8/1997

Coverage Option: Traditional

Total Measured Water Savings (AF/Year)

TRADITIONAL	FLEXTRACK	ACTUAL	TARGET	PRIOR ACTIVITIES CREDIT
0	0	0	0	0

1) Accounts with Dedicated Irrigation Meters

- a) Number of dedicated irrigation meter accounts 149
- b) Number of dedicated irrigation meter accounts with water budgets
- c) Aggregate water use for all dedicated non-recreational landscape accounts with water budgets
- d) Aggregate acreage assigned water budgets for dedicated non-recreational landscape accounts with budgets

Aggregate acreage of recreational areas assigned water budgets for dedicated recreational landscape accounts with budgets

Preserved water use records and budgets for customers with dedicated landscape irrigation accounts for at least four years No

Unique measured water Savings (AF/YR) in this measure

Uploaded the backup data if there are unique measured water savings? No

Technical Assistance

Number of Accounts 20% over-budget

Number of Accounts 20% over-budget offered technical assistance

Number of Accounts 20% over-budget accepting technical assistance

Unique measured water Savings (AF/YR) in technical assistance

Uploaded the backup data if there are unique measured water savings? No

2) Commercial / Industrial / Institutional Accounts without Meters or with Mixed-Use Meters

Number of mixed use and un-metered accounts. 0

Number of irrigation water use surveys offered

Number of irrigation water use surveys accepted

Type: Incentives numbers received by customers: 0 \$ Value: 0

Type: Rebates numbers received by customers: \$ Value: 0

Type No- or low-Interest loan offered numbers received by customers: \$ Value: 0

Annual water savings by customers receiving irrigation water savings surveys and implementing recommendations

Estimated annual water savings by customers receiving surveys and implementing recommendations



CUWCC BMP Coverage Report 2014

BMP5 - Landscape

Exempt

Unique measured water Savings (AF/YR) in this measure

Uploaded the backup data if there are unique measured water savings? No

Financial Incentives

Unique measured water Savings (AF/YR) in Financial incentives

Uploaded the backup data if there are unique measured water savings? No

Unique Conservation Measures

1. Monitor and report on landscape water use

1a. Measure landscapes and develop water budgets for customers with dedicated landscape meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.

Uploaded file name:

1b. Measure landscapes and develop water budgets for customers with Mixed Use meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.

Uploaded file name:

1c. Establish agency-wide water budget. (Include in Help notes: ETo based water budget in the MWELo changed in 2010 from .8ETo to .7ETo.)

Uploaded file name:

1d. Establish agency-wide, sector-based irrigation goal to reduce water use, based on season.

Uploaded file name:

2. Provide technical landscape resources and training

2a. Upon customer requests, provide landscape irrigation management and landscape design information and resources: provide assistance, answer customer questions, respond to run-off and high-bill calls.

Uploaded file name:

2b. Perform landscape & irrigation audits: including irrigation scheduling, plant information, and landscape area measurement.

Uploaded file name:

2c. Sponsor, co-sponsor, promote, or support landscape workshops, training, presentations and other technical educational events for homeowners and professionals: design, installation, maintenance, water management.

Uploaded file name:

2d. Establish time-of-day irrigation restrictions.

Uploaded file name:

2e. Establish day-of-week irrigation restrictions.

Uploaded file name:

3. Provide incentives



CUWCC BMP Coverage Report 2014

BMP5 - Landscape

Exempt

3a. Establish landscape budget-based rates.

Uploaded file name:

3b. Provide incentives for conversions from mixed-use meters to dedicated landscape meters.

Uploaded file name:

3c. Provide incentives for irrigation equipment upgrades that improve distribution uniformity, irrigation efficiency, or scheduling capabilities.

Uploaded file name:

3d. Provide incentives for the reduction of water use over an irrigated area, or reduction in the size of the irrigated area due to replacement of turf or other high water-using plants with low water-using plants, artificial turf, or permeable surfaces.

Uploaded file name:

3e. Provide incentives for conversions from potable to recycled water.

Uploaded file name:

3f. Provide incentives for the use of alternative sources of water in the landscape (i.e. gray water, rainwater, cisterns, etc.)

Uploaded file name:

4. Participate in local and regional planning and regulatory activities

4a. Collaborate with planning agencies at the local and regional level, other water suppliers in the area and stakeholders in response to state or federal requirements such as the State Model Water Efficient Landscape Ordinance and AB 1881. Participate in the development, review, implementation, and enforcement of requirements for new developments. Provide water use data to planning agencies.

4b. Establish or participate in a water conservation advisory committee or other community outreach effort to drive market transformation and exchange information about landscape water conservation with developers, community-based organizations, homeowners associations, residential customers, landscape professionals, educators, other water suppliers in region.

4c. Participate in regional efforts: integrated water resource management, watershed management, NPDES permit agencies, etc.

5. Develop a holistic approach to landscape water use efficiency

5a. Develop and implement a comprehensive landscape water conservation program for all customers. Target marketing efforts to those most likely to result in benefits to both customer and Agency.

Uploaded file name:

6. Other Measures

Other Landscape Measures:

Uploaded file name:

Comments:



CUWCC BMP Coverage Report 2014

BMP5 - Landscape

Exempt

At Least As Effective As

No

Exemption

Yes Cost Effectiveness

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Appendix K - Notification Letters

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NOTICE

CITY OF PATTERSON 2015 URBAN WATER MANAGEMENT PLAN UPDATE

DATE: February 16, 2016
TO: All Interested Parties
FROM: Maria Encinas, Water Resources Manager
SUBJECT: 2015 Urban Water Management Plan Update



Existing state law requires each urban water supplier to prepare and adopt an urban water management plan at least once every five years. The City of Patterson (City) is currently preparing an update to its 2010 Urban Water Management Plan (UWMP). The UWMP documents the City's plans to ensure adequate water supplies to meet existing and future demands for water under a range of water supply conditions, including water shortages.

As part of the UWMP process, the City is required to notify those agencies which the City receives water from, sells water to, or the County in which water is delivered (California Water Code § 10621 (b)). Additionally, the City has chosen to notify those agencies who may become partners in a Groundwater Sustainability Agency (GSA). If you are receiving this letter, the City is either required to notify you or has chosen to do so voluntarily.

We anticipate having a draft plan available for public review in May 2016. The final plan will be submitted to the California Department of Water Resources by July 1, 2016. If you have any questions or comments, please contact me at the number below:

Maria Encinas,
Water Resources Manager
City of Patterson
PO Box 667
Patterson, CA 95363
(209) 895-8061
mencinas@ci.patterson.ca.us

Sincerely,

Maria Encinas

Maria Encinas
City of Patterson

NOTICE

CITY OF PATTERSON 2015 URBAN WATER MANAGEMENT PLAN UPDATE

DATE: March 28, 2016
TO: All Interested Parties
FROM: Maria Encinas, Water Resources Manager
SUBJECT: 2015 Urban Water Management Plan Update



This letter is being provided to you as a follow up to the letter sent to you on February 16, 2016 informing you of the City of Patterson's (City) preparation of a 2015 Urban Water Management Plan (UWMP). Notice is hereby given that the City has scheduled a public meeting on June 7, 2016 to review and adopt the 2015 UWMP. The meeting will be held at 7:00 p.m. in the Patterson City Council Chambers, 1 Plaza, Patterson, California 95363.

All interested parties are invited to attend the public meeting and present their views. If you are unable to attend the public hearing, you may also submit to the City, by the time the proceedings begin, written comments regarding the subject of the meeting. These comments will be brought to the attention of the Council and will become part of the official public record. Written comments can be sent to City Council, Attn: 2015 UWMP, 1 Plaza, Patterson, California 95363.

We anticipate a public draft of the 2015 UWMP being made available by April 22, 2016. The draft 2015 UWMP can be viewed or printed from the City website at www.ci.patterson.ca.us (enter "UWMP" in the site Search field located in the upper right hand corner of the homepage). A hard copy of the document will also be available for review at City Hall, (1 Plaza, Patterson, CA 95363). If you have any questions or comments, please contact me at the number below:

Maria Encinas,
Water Resources Manager
City of Patterson
PO Box 667
Patterson, CA 95363
(209) 895-8061
mencinas@ci.patterson.ca.us

Sincerely,

A handwritten signature in blue ink that reads "Maria Encinas".

Maria Encinas
City of Patterson

Appendix L - Public Notice of UWMP Hearing

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Online Notices

We anticipate a public draft of the 2015 UWMP being made available by April 22, 2016 and can be accessed below. A hard copy of the document will also be available at City Hall.

All interested parties are invited to attend the public meeting on June 7, 2016 at 7:00pm in the Patterson City Council Chambers, located at 1 Plaza, Patterson, CA 95363. If you are unable to make this date, please submit your written comments by the time the proceedings begin to City Council, Attn: 2015 UWMP, PO Box 667, Patterson, CA 95363.

An informational meeting on this topic will be held on April 19, 2016 beginning at 7:00pm in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363. If you have any questions, please call (209) 895-8061.

[Notice of Public Hearing-2015 UWMP](#)

**NOTICE OF PUBLIC HEARING
TO CONSIDER THE DRAFT 2015 URBAN WATER
MANAGEMENT PLAN
FOR THE CITY OF PATTERSON**

Notice is hereby given that the City of Patterson (City) will conduct a public hearing to consider the Draft 2015 Urban Water Management Plan (UWMP), including the SBx7-7 conservation requirement, on Tuesday, June 7, 2016 at the City Council meeting which begins at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363.

All interested parties are invited to attend the public meeting and present their views. Persons who are unable to attend the public hearing may also submit to the City, by the time the proceedings begin, written comments regarding the subject of the hearing. These comments will be brought to the attention of the City Council and will become part of the official public record. Written comments can be sent to City Council, Attn: 2015 UWMP, PO Box 667, Patterson, CA 95363.

The Draft 2015 UWMP can be viewed or printed from the City website starting April 22, 2016 at www.ci.patterson.ca.us (enter "UWMP" in the site Search field located in the upper right hand corner of the homepage). A copy of the document will also be available for review at City Hall, 2nd Floor (1 Plaza, Patterson, CA).

An informational meeting on this topic will be held on April 19, 2016 beginning at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363.

For more information, please call Maria Encinas at 209-895-8061 or email mencinas@ci.patterson.ca.us.

Billing Notice

MONTHLY BILL FOR SERVICE

Your bill is due and payable by the due date and becomes delinquent thereafter. If payment for utility service on your current or a previous bill has not been made before becoming delinquent, your service may be turned off. In that event, restoration will not be made until the utility charges and all penalties have been paid. In addition, a deposit may be required to reestablish your credit. All penalties herein provided must be paid whether or not service is discontinued.

If charges are not paid by the bill's due date, a penalty of \$10.00 will be added to said charges. Interest of one percent per month will be added to the past due balance on the first day of each month following. If full charges and penalties are not paid within fifteen (15) days after the due date, there will be an additional \$10.00 penalty assessed and the City shall disconnect service and an administrative charge in the amount of \$20.00 will be imposed. (Ord. 612 & 13(c))

IT IS UNLAWFUL FOR ANY PERSON TO INTERFERE WITH THE CITY SERVICES LINES, VALVES OR METERS

DROP BOX NOW AVAILABLE

**Schedule your Bulky Item Pick-Ups by calling Patterson City Hall @ 209-895-8040.
You get 2 free – per year - per address – Utility Account must be Current to Schedule**

NOTICE OF PUBLIC HEARING TO CONSIDER THE DRAFT 2015 URBAN WATER MANAGEMENT PLAN FOR THE CITY OF PATTERSON.

Notice is hereby given that the City of Patterson (City) will conduct a public hearing to consider the Draft 2015 Urban Water Management Plan (UWMP), including the SBx7-7 conservation requirement, on Tuesday, June 7, 2016 at the City Council meeting which begins at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363.

All interested parties are invited to attend the public meeting and present their views. Persons who are unable to attend the public hearing may also submit to the City, by the time the proceedings begin, written comments regarding the subject of the hearing. These comments will be brought to the attention of the City Council and will become part of the official public record. Written comments can be sent to City Council, Attn: 2015 UWMP, PO Box 667, Patterson, CA 95363.

The Draft 2015 UWMP can be viewed or printed from the City website starting April 22, 2016 at www.ci.patterson.ca.us (enter "UWMP" in the site Search field located in the upper right hand corner of the homepage). A copy of the document will also be available for review at City Hall, 2nd Floor (1 Plaza, Patterson, CA).

An informational meeting on this topic will be held on April 19, 2016 beginning at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza,

■ **PUBLIC NOTICE** ■

**NOTICE OF PUBLIC HEARING TO
CONSIDER THE DRAFT 2015
URBAN WATER MANAGEMENT PLAN
FOR THE CITY OF PATTERSON.**

Notice is hereby given that the City of Patterson (City) will conduct a public hearing to consider the Draft 2015 Urban Water Management Plan (UWMP), including the SBx7-7 conservation requirement, on Tuesday, June 7, 2016 at the City Council meeting which begins at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363. All interested parties are invited to attend the public meeting and present their views. Persons who are unable to attend the public hearing may also submit to the City, by the time the proceedings begin, written comments regarding the subject of the hearing. These comments will be brought to the attention of the City Council and will become part of the official public record. Written comments can be sent to City Council, Attn: 2015 UWMP, PO Box 667, Patterson, CA 95363. The Draft 2015 UWMP can be viewed or printed from the City website starting April 22, 2016 at www.ci.patterson.ca.us (enter "UWMP" in the site Search field located in the upper right hand corner of the homepage). A copy of the document will also be available for review at City Hall, 2nd Floor (1 Plaza, Patterson, CA). An informational meeting on this topic will be held on April 19, 2016 beginning at 7:00 p.m. in the City Council Chambers, City Hall, 1 Plaza, Patterson, CA 95363. For more information, please call Maria Encinas at 209-895-8061 or email mencinas@ci.patterson.ca.us.

4/7,14

Appendix M - City Council UWMP Adoption Resolution

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RESOLUTION NO. 2016-_____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTERSON
ADOPTING THE 2015 URBAN WATER MANAGEMENT PLAN.**

WHEREAS, the Urban Water Management Planning Act of 1983, amended through 2015, (the Act) requires that an urban water supplier serving 3,000 customers or 3,000 acre-feet per year must prepare an Urban Water Management Plan (Plan) update every five years beginning in 1985; and

WHEREAS, the city of Patterson (City), in compliance with the Act, has prepared its first Plan in 2015; and

WHEREAS, the preparation of the Plan has been coordinated with the other public agencies to the extent practicable, and staff has encouraged the active involvement of diverse social, cultural and economic elements of the population within the City's retail water service area during preparation of the Plan; and

WHEREAS, on June 7, 2016 , a Draft Plan was presented to the City Council and a Public Hearing was held during the Council meeting in order to receive public comment on the Draft Plan; and

WHEREAS, minor revisions to the Draft Plan have been made based on public comments received at the Public Hearing and during the public comment period of April 22, 2016 through May 25, 2016; and

WHEREAS, preparation and adoption of Urban Water Management Plans pursuant to the provisions of Section 10652 of the State Water Code is a statutory exemption under CEQA Guidelines Section I 5282(v); and

WHEREAS, a Final 2015 Urban Water Management Plan is today presented to the Council for consideration; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the city of Patterson that this City Council has reviewed and considered the Final 2015 Plan, and hereby adopts the Plan.

The foregoing resolution was passed by the City Council of the city of Patterson at a regular meeting held on the 7th day of June 2016, by _____, who moved its adoption, which motion was duly seconded by _____, and the resolution adopted by the following vote:

YES:
NOES:
ABSENT:

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APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

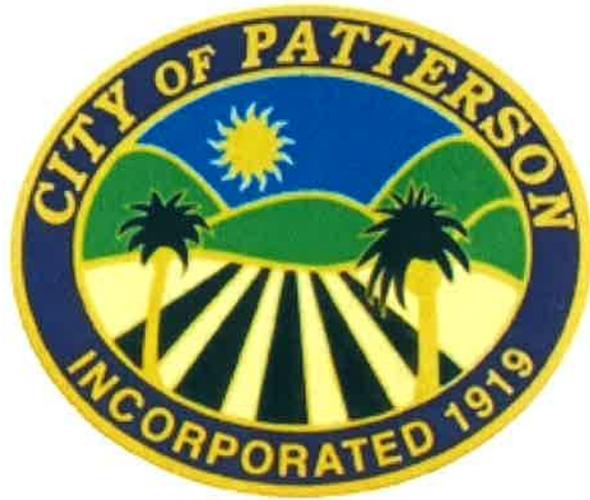
I hereby certify that the foregoing is a full, correct and true copy of a resolution passed by the City Council of the city of Patterson, a Municipal Corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

DATED:

Maricela L. Vela, City Clerk of the City of Patterson

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9. CITY STAFF REPORTS



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council

FROM: Ken Irwin, City Manager *KI*

MEETING DATE: June 7, 2016

ITEM NO: 9.a.

SUBJECT: Review and Approval of the New Law Enforcement Services Agreement Between the City of Patterson and the County of Stanislaus

RECOMMENDATION

It is recommended that the City Council authorize the Mayor and City Manager to execute the new law enforcement services agreement between the City of Patterson and the County of Stanislaus.

BACKGROUND

In the late 1990's the City of Patterson contracted with the Stanislaus County Sheriff's Office for a full-range of law enforcement services. The most recent agreement between the two agencies was for a three-year term and will expire on June 30, 2016. A new contract detailing general law enforcement services and functions is summarized, and the term of service would be for four years terminating in 2020.

Patterson is one of four cities in Stanislaus County that contract with the County Sheriff's Office for law enforcement services. Besides Patterson, the others are Hughson, Waterford, and Riverbank. With the exception of Riverbank, Hughson and Waterford have already approved the new standardized agreement with the County, and those agreements will be approved by the Stanislaus County Board of Supervisors later this month.

ANALYSIS

Approximately 3 months ago the City and County began discussions on a new multi-year agreement. With hopes to keep the contracts the same for the four contract Cities, the City of Hughson, Water, and Riverbank were also present at the meetings. The City Manager of each City was present at the meetings. The meetings provided an opportunity for the City and County to discuss the current service levels and discuss current challenges that could possibly affect the contract language. There was a general consensus between the Cities and County that the current model is meeting the City's expectations and appeared to be the most cost effective model. It was concluded that all Cities with contracts expiring on June 30, 2016 were interested in renewing their current agreements with a few minor inclusions and clarifications.

The proposed agreement contains the following key provisions:

Term: The term of the agreement shall be July 1, 2016 through June 30, 2020, or 4 years.

Termination: Either party may terminate the agreement, without cause, upon 180 days written notice to the other party.

Level of Service: No later than July 1 of each year, City and County staff will sign new Exhibits A, B, and C which set forth the levels of staffing and service for the upcoming fiscal year. The City may request a change in the level of service at any time by submitting a written request to the County. County will meet and confer with the City to discuss the change within 30 days of the request.

Activity Reports: Each month the County will provide standard reports to the City through the Chief of Police, reporting the monthly statistical crime and response and community policing information occurring within the City limits.

Billing: Thirty (30) days after the close of each calendar month, the County shall deliver to the City a statement covering 1/12 (one-twelfth) of the estimated annual contract amount, and the City shall pay the County the amount stated within 30 days after receipt. At the end of each quarter (March, June, September, and December) the County shall calculate its actual cost to provide the services under the agreement for that quarter and provide a quarterly statement of actual costs to the City. At the close of the fiscal year, the County will provide the City with a final reconciliation ("true-up") showing the amount due either party. The party owing shall pay the other party within 30 days after the issuance of the final reconciliation statement.

Chief of Police: After considering the recommendations of the City, the County will assign a Lieutenant who will act as the Chief of Police for the City. The Chief of Police will generally manage law enforcement activities on behalf of the City. The Chief of Police will coordinate the delivery of law enforcement services under the agreement and manage and supervise the personnel assigned to provide law enforcement services to the City. The new agreement increases the percentage of the Chief's salary and benefits paid by the City from 80% (eighty percent) to eighty-five percent (85%).

Replacement of the Chief of Police: The agreement spells out a clear process for the replacement of the Chief of Police, when the position is vacated. The process includes City involvement in the selection of the new Chief. The agreement also allows for City participation in the annual performance evaluation of the Chief. The only change to the contract language regarding the Chief, is the Chief will serve a minimum three-year term with an optional fourth year upon mutual approval by the City and the Sheriff. This change is designed to accommodate succession planning with the Lieutenants and create a better pool of applicants in the future.

General Staffing: All other positions shall serve terms in accordance with their respective Memorandums of Understanding with the County and as described in the attached exhibits.

Facilities: The City shall furnish, at its own cost and expense, office space reasonably deemed necessary by the Sheriff to provide law enforcement services, including all furniture and furnishings, office supplies, janitorial service, heating and cooling systems, maintenance and upkeep, and utilities.

Vehicle Maintenance and Replacement: The agreement contains detailed information as to vehicle replacement and maintenance standards consistent with the County's fleet management policies. Specific requirements related to motorcycle purchases are also included.

FISCAL IMPACT

For fiscal year 2016-2017, the estimated cost for law enforcement services is \$4,300,532. The fees also include the addition of one Community Service Officer and a School Resource Officer (25% City / 75% School) approved during the fiscal year 2015/2016

STANISLAUS COUNTY
LAW ENFORCEMENT SERVICES
AGREEMENT

City of Patterson
2016-2020

STANISLAUS COUNTY
LAW ENFORCEMENT SERVICES

AGREEMENT

THIS AGREEMENT, is made and entered into by and between the County of Stanislaus, a political subdivision of the State of California (hereinafter referred to as “County”), and the City of Patterson, a municipal corporation, (hereinafter referred to as “City”), (the County and City are each sometimes referred to herein as a “Party,” and collectively as “Parties.”)

RECITALS

WHEREAS, City desires County to perform law enforcement services and functions within its boundaries; and

WHEREAS, County agrees to perform such law enforcement services and functions as described herein and pursuant to the terms and conditions hereinafter set forth; and

WHEREAS, the parties to this Agreement have the legal authority to enter into this Agreement pursuant to the provisions of Article I, Chapter 1, Part 2, Division 1, Title 5, sections 51300, *et seq.*, and Chapter 5, Division 7, Title 1, sections 6500, *et seq.*, and section 55632 of the Government Code of the State of California.

NOW, THEREFORE, the parties hereto agree as follows:

1. Term. The Term of this Agreement shall be July 1, 2016, though June 30, 2020 (the “Term”) unless sooner terminated or extended as provided for herein.
 - A. Extension. No later than six months prior to the expiration of the Term, the Parties shall meet and confer in good faith regarding the extension of the Term. If the negotiations are not completed, the Sheriff is authorized to extend this Agreement for two terms of three months each.
2. Termination. Either Party may terminate this Agreement, without cause, upon 180 days written notice to the other Party.
 - A. Termination Process.
 - i. Transition Plan. Upon expiration of the Term or upon receipt of notice of termination, the Parties may prepare and implement a transition plan that quickly and orderly transitions the law enforcement responsibilities from the County to the City. The transition plan should be completed no later than three months following the termination date. The transition plan may identify and address personnel, equipment, workload, on-going investigations, and any other issues related to the transition. The City and County shall agree to the cost of developing and implementing the transition plan and the City shall pay the agreed upon amount.

3. Law Enforcement Services.

A. County shall provide, within the corporate limits of the City, general law enforcement services and functions of the type coming within the jurisdiction of, and customarily rendered by, the Stanislaus County Sheriff under the statutes of the State of California, and under the municipal codes of City. The County shall provide only those general law enforcement services set forth in the General Law Enforcement Service Request attached hereto as Exhibit A.

B. No later than July 1 of each year, the City and the County shall sign new Exhibits A, B & C and attach them to this Agreement as an amendment. The City may request a change in the level of service at any time by submitting a written request to the County. County will meet and confer with the City to discuss the change within 30 days of the request and, if appropriate, prepare new Exhibits for signature by the Parties, which shall be attached as an amendment hereto.

C. If the City is unable to fund this Agreement in its entirety, the City will notify the County in writing at least 60 days prior to any proposed changes regarding the level of service set forth in Exhibit A. The County will make a reasonable effort to accommodate the service level changes requested by the City.

4. Reporting.

A. Activity Reports. Each month the County will provide standard reports to the City through the Chief of Police, reporting the monthly statistical crime and response and community policing information occurring within the City limits. The parties shall meet and confer regarding the content of the monthly reports.

B. Media Releases. The County will prepare news releases concerning major crime investigations within the City and will send a copy of the release to the City within a reasonable time prior to its release to news outlets.

5. Compensation.

A. Contract Amount.

i. City shall pay the County's actual cost to provide the City the general law enforcement services set forth in Exhibits A, B, and C. The term "actual cost" includes the cost associated with absences from work due to sick, vacation, special accrued leave time (SALT), holiday, training and disability leaves or other leaves; and payments made by the County to personnel assigned to City for accrued leave time upon retirement or separation of service.

1. City acknowledges that the City historically has not directly or indirectly compensated the County for the administrative costs incurred by the County in providing the additional staff support services required to provide the services to the City and which administrative costs would not be incurred in the absence of the existence of this Agreement. These so far un-captured support services costs

include, but are not limited to; case, property and records management, crime scene identification, administration, information technology, background checks, internal affairs, human resources, payroll, financial and specialized training. Although the County is not at this time requesting the City to pay administrative costs, the County anticipates budgeting issues may require it to capture those additional costs in the future. The County's administrative costs will be charged to the City, if at all, through an amendment of the Exhibits.

- ii. The City shall compensate the County for its services under this Agreement at the rates and in the estimated annual amount forth on Exhibit C, (the "Annual Contract Amount"). At the close of each fiscal year, County shall re-establish the rates and the estimated Annual Contract Amount and revise Exhibit C accordingly.
- iii. In the event salaries, wages and benefits of the County officers and employees are changed at a time not coincident with the close of the fiscal year, the rates for salaries and wages set forth in Exhibit C and the rates and estimated Annual Contract Amount shall be readjusted to reflect the appropriate rates. In the event insurance costs for County 's liability or workers' compensation programs are changed at a time not coincident with close of the fiscal year, the reimbursement rates for County 's liability program set forth in Exhibit C shall be readjusted to reflect the appropriate amounts, which the City shall pay effective 30 days after written notification to City.
- iv. City shall pay the County's insurance costs attributable to the services provided under this Agreement, including but not limited to, general liability, self-insurance, unemployment and worker compensation.
- v. The City shall pay its share of the accumulated leave accrual of the Chief of Police upon that employee vacating the Chief of Police position for any reason. The City's share shall be defined as the percentage of time assigned to the City of the total actual leave accrual.

B. Billing.

- i. 30 days after the close of each calendar month, County shall deliver to City a statement covering 1/12 (one-twelfth) of the estimated Annual Contract Amount and City shall pay County the amount stated thereon within 30 days after receipt of the statement. At the end of each quarter (March, June September, and December) County shall calculate its actual cost to provide services under this Agreement for that quarter and provide a quarterly statement of actual costs to the City. At the close of the fiscal year the County will provide the City with a final reconciliation ("true-up") showing the amount due either party. The party owing shall pay the other party within 30 days after issuance of the final reconciliation statement.
- ii. Notwithstanding any provision of law to the contrary, including, but not limited to section 907 of the California Government Code. If any amount due to County from City is not received by County within 30 days after the date of billing, County may

satisfy such indebtedness from any and all funds of City collected by County, after giving written notice to City of County's intention to do so.

6. Revenues.

A. All revenues currently received by the City as revenue pertaining to police services or generated by police services will continue to be City revenue with the exception of Peace Officer Standards and Training (POST) reimbursement, Police Reserve revenue and individual booking fee recovery revenue. The County makes no commitment to any revenues other than that the revenues will not be diverted for County use by this Agreement, except for those excluded above.

B. Booking fees may be charged to City for arrests made by deputy sheriffs assigned to the City Police Services if the County charges Booking Fees to the other nine cities as outline in Government Code Section 29550, AB1805 – Booking Fee Solution and County Code Section 4.52.010.

C. The proceeds from incidental asset forfeitures that occur in the City by a City assigned deputy shall be allocated to the "law enforcement agency" or City pursuant to California asset forfeiture laws. Any proceeds from a planned activity that occurs in the City over which the County has full control will be shared equally between the City and Sheriff unless otherwise agreed upon in advance. The proceeds from a planned and coordinated activity that occurs in the County jurisdiction, from an incident that originates within the City will be shared equally between the County and City. If assistance is provided to any other law enforcement agency either in the City or outside the City, by deputies who are on duty within the City, the County will make a good faith effort to obtain a share of any forfeiture proceeds for the City to offset any use of the officers. The City agrees that all money received under this provision will be used only as authorized in sections 11470 *et seq.*, of the California Health and Safety Code.

7. Organization. County will provide the services to be performed herein through the following staffing:

A. Chief of Police.

- i. Appointment Process: The position of Chief of Police will be filled in accordance with County policy and employee collective bargaining unit contracts. The County shall provide a list of Lieutenants qualified to serve as the Chief of Police for the City. The City may interview the candidate(s) and provide the County with the City's recommendation of the candidate to be appointed as the Chief of Police. After considering the recommendations of the City, the County will assign a Lieutenant who will act as the Chief of Police (the "Chief of Police").
- ii. Replacement Process. The County may replace the Chief of Police after 90 days written notice to the City. The County will remove the Chief of Police within 30 days of receipt of a written request from the City stating the reasonable cause for said request. Upon the City's request, the County shall temporarily appoint a person as acting Chief of Police and fill a vacant Chief of Police position within 60

days of receipt of the City's request and in accordance with County policy and employee collective bargaining unit contracts as described in 7(A)(i).

iii. Service Expectations. The Chief of Police will generally manage law enforcement activities on behalf of the City. The Chief of Police will coordinate the delivery of law enforcement services under this Agreement and manage and supervise the personnel assigned to provide law enforcement services to the City. The Chief of Police, or designee, will attend all City Council meetings and will be available to City Staff at all reasonable times. The Chief of Police will meet with City officials on a periodic basis, the frequency of which will be determined by the City, to assure local control over the quality and service and to identify goals and programs to create a safer community.

B. Assigned Sergeants. In addition to the Chief of Police, the County may assign one or more Sergeants to work within the City to assist the Chief of Police to assist with the supervision of other assigned personnel, and to provide law enforcement services to the City. The number of Sergeants assigned shall be indicated in Exhibit A.

C. Assigned Deputies. The County shall assign Deputy Sheriffs to provide law enforcement services to the City, in the number indicated in Exhibit A.

D. Other Staff. The County shall assign other departmental staff necessary to provide the law enforcement services required to be performed herein as indicated in Exhibit A.

8. Administration of Personnel.

A. Independent Contractor. The County is acting as an independent contractor under this Agreement so that:

- i. This agreement does not create any relationship of employer or employee, or principal and agent between City and County or any of County's agents or employees. All persons employed in the performance of this Agreement shall be employees of County for all purposes. No person employed by County hereunder shall have any status, right or privilege of City employees, including, but not limited to, City pension, or City civil service.
- ii. No officer, employee or department of County shall perform for City any law enforcement service or function not coming within the scope of the duties of such officer, employee or department in performing such services or functions for County.
- iii. The planning, organization, scheduling, direction, supervision, standards of performance and discipline of Sheriff's personnel and all other matters incidental to the delivery of general Law Enforcement Services to the City shall be at the sole discretion of the County and the Sheriff. The Sheriff shall retain exclusive authority over the activities of his or her personnel and equipment working in the City.

- iv. The night, day and evening patrol, supervisory and clerical shifts shall be established by the Sheriff after consultation with the City Manager.
- v. All employment matters relating to County employees assigned to the City will be handled in accordance with County policy and procedures and employee bargaining unit contracts, including, but not limited to, officer complaints, discipline, promotion and duty assignments.
- vi. Any pay for performance review of County personnel assigned to provide services under this Agreement shall follow the procedures of the County and the Stanislaus County Sheriff's Management Association (SSMA). The City may participate in the performance reviews of the assigned Chief of Police as an evaluator, by notifying the County of their assignment of one or more of the following participants or their designee: the City Manager, the Mayor, or City Council member.
- vii. The Sheriff shall give prompt consideration to all requests of the City regarding the delivery of general Law Enforcement Services. The Sheriff shall make every effort to comply with these requests if they are considered within good law enforcement practices.
- viii. In the event of a dispute between parties regarding the extent of the duties and functions to be rendered or the minimum level or manner of performance of such services, the determination made by the Sheriff shall be final and conclusive.

B. City's Right to Request Replacement Personnel. The City shall have the right to request the County to replace County personnel assigned to provide services under this Agreement, provided such request is made for reasonable cause.

C. Sick Leave Temporary Replacement. If an assigned employee is absent from duty due to illness or injury for longer than 80 consecutive hours, the County may provide a replacement if available in accordance with Exhibit A.

D. Disciplinary Temporary Replacement. If an assigned employee is absent from duty due to a disciplinary action for longer than 24 hours, the County may provide a replacement in accordance with Exhibit A.

E. Annual Leave. If an assigned employee is absent from duty for annual leave, a planned absence, or an unplanned absence, for a period of 80 consecutive hours, the County may provide a temporary replacement until such time as the assigned employee is able to return to duty.

F. Vacancies. Any vacancies will be filled using the County's procedures for filling vacancies within the Sheriff's Department as defined in Department policy or Personnel Memorandum of Understanding (MOUs). New officers assigned will receive appropriate orientation regarding special characteristics and needs of City. The term of an employee's assignment will comply with the applicable Personnel MOU.

G. Staffing. The County shall ensure that a minimum of one patrol deputy (the "Primary

Patrol”) is on duty within the City limits at all times, except when the deputy is out of the City to transport a prisoner to the County jail, attend court, completing a traffic stop that begins in and terminates out of the City limits or when providing backup or mutual aid to another law enforcement officer or at the direction of the Sheriff or designee.

- i. Temporary staffing absences of the Primary Patrol deputy will be filled with existing City Police Services deputies and if none is available, then with Sheriff deputies on straight time, and if none is available, Sheriff deputies on overtime.
- ii. All personnel assigned to the City, including the Primary Patrol deputy, may assist with incidents outside the City limits involving critical and life threatening situations. However, if a critical incident occurs in the City while the personnel are assisting outside the City limits, the County will either dispatch additional forces to the City or will release the assigned personnel to respond.

9. City Responsibilities. In support of the County providing the law enforcement services described herein, the City promises:

A. Municipal Authority. The city hereby confers municipal police authority on such County employees as might be engaged in enforcing City ordinances within City boundaries.

B. Criminal Justice Services. The City shall provide the criminal justice system services necessary to support this Agreement attributable to the enforcement of state and municipal laws within the City.

C. Supplies. The City shall supply at its own cost and expense any special stationery, supplies, notices, forms, logos, insignias, name tags, badges, and/or uniforms which are to be issued in the name of the City.

D. Facilities. The City shall furnish at its own cost and expense office space reasonably deemed necessary by the Sheriff to provide the law enforcement services herein described and all furniture and furnishings, office supplies, janitorial service, HVAC, upkeep and maintenance, and utilities.

10. Equipment and Vehicles.

A. Vehicles.

- i. Pursuant to the first contract between the County and City for law enforcement services, the City transferred title to certain vehicles and installed equipment to the County. The original vehicles and their replacements, are identified in the Property Inventory attached hereto as Exhibit B.
- ii. Upon termination of this Agreement the County will transfer to the City title for vehicles similar to those identified as the vehicles originally transferred to the County in Exhibit B, excluding any enhancements added to the vehicle and paid for by the County. Similar vehicles are defined as a vehicle having the same

functionality, upgrades and mileage within $\pm 5,000$ miles of the current mileage of the vehicle in use. Any vehicle being leased by the County at the time of termination that is assigned to City, will not be replaced but the City will be provided the option of taking over the lease from County if no other similar vehicle is available.

- iii. Any vehicles purchased using City funds during the Term of this Agreement shall be added to Exhibit B. Exhibit B shall be reviewed annually by the Parties and if necessary will be updated to reflect the deletion of vehicles no longer needed for law enforcement service and returned to the City and the addition of any vehicles provided by City or purchased with City funds.
- iv. Vehicles shall be used to provide to law enforcement services at the discretion of the Sheriff or designee and in compliance with the Sheriff's Department policies.
- v. The City shall reimburse the County for the actual cost to operate any vehicle used in the performance of the law enforcement services provided herein, (herein after the "Vehicle Cost Reimbursement"). The cost included in the Vehicle Cost Reimbursement amount includes, but is not limited to: fuel, maintenance, replacement costs, financing costs, fleet services and costs of insurance.
- vi. County shall invoice City monthly for the estimated Vehicle Cost Reimbursement. The estimated Vehicle Cost Reimbursement will be computed annually on a cost per mile basis and will be the same as the vehicle operating costs calculated for other County vehicles in the same class, plus an additional charge for the cost of insurance. The actual Vehicle Cost Reimbursement will be calculated quarterly (March, June, September, and December). The Parties will "true-up" the estimated cost with the actual cost at the close each fiscal year. The current estimated Vehicle Cost Reimbursement rates are shown in Exhibit C and shall be updated each fiscal year by the County.
- vii. City shall provide to, or reimburse County for, any decals or special signage that is used to distinguish the vehicles with City markings.
- viii. The estimated Vehicle Cost Reimbursements shall be billed separately and trued-up at the end of each quarter per Section B, Billing.
- ix. Vehicles will be replaced according to the County's General Services Agency Fleet Services Policy, as approved and adopted by the Board of Supervisors from time to time. The March 12, 2013, Fleet Services Policy established the following minimum guidelines consistent with current/historical trend analysis to quantify planning for the replacement of County Vehicles.

Vehicle Type	Years	Miles
Patrol vehicles	5	100,000
Sedan, passenger minivans (Detectives/Chief)	8	100,000

Light truck/van, medium truck	10	100,000
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- x. Other factors used in evaluating replacement include vehicle condition, maintenance/cost history, and suitability for current use. With respect to necessary repairs, consideration will be given to the cost of such repairs and impact on the vehicle's useful life, compared with the cost of acquiring a new vehicle in order to determine the most cost-effective option. Specialty vehicles will be evaluated on a case-by-case basis. The Fleet Manager may extend the life of a vehicle on a year-to-year basis so long as the vehicle is safe and reliable, and meets all required emission standards. Upon termination of this Agreement, the City shall not be entitled to that portion of the Vehicle Cost Reimbursement collected from the City allocated to the replacement of the vehicles.

B. Motorcycles.

- i. If the City desires to have motorcycle officer(s) assigned to the City, the City will fund 100% of the purchase, equipment, repair, maintenance, and insurance. The County will not charge a per mile replacement fee for the motorcycle(s). At the end of the motorcycle(s)' useful life, should the City wish to continue motorcycle operations, the City will fund 100% of a replacement motorcycle(s).
- ii. Motorcycle(s) will be taken out of service following minimum guidelines consistent with current/historical trend analysis to quantify planning for the replacement of motorcycle(s) at approximately 40,000 miles or end of manufactures warranty.
- iii. The motorcycle will be registered to the County. County agrees that upon termination of this agreement the County will transfer ownership of motorcycle(s). Excluded are any enhancements added to the vehicle and paid for by the County.
- iv. The County through County's Fleet Manager will maintain the service records of the motorcycle(s) and assign a County vehicle number. County may use a certified motorcycle service center to make the repairs and maintenance of the motorcycle(s). County shall invoice City at least quarterly for each motorcycle(s) providing police services to City. Said cost will include gasoline, repairs, and maintenance and insurance costs of each motorcycle. City agrees to provide to, or reimburse, County for any decals or special signage that is used to distinguish the motorcycle(s) with City markings. Actual motorcycle(s) costs for gasoline, repairs and maintenance will be "trued up" quarterly (March, June, September and December). This "true-up" method will be utilized to close each fiscal year for those items listed in Exhibit C.
- v. The County will provide a certified employee who will be assigned as the City's motor officer. Motorcycle(s) shall be used to provide to law enforcement services at the discretion of the Sheriff or designee and in compliance with County, Sheriff's Department and City policies.

C. Equipment.

- i. The County shall purchase those supplies, equipment, services and materials needed for the performance of law enforcement services within the City limits, and the City shall reimburse the County for the cost to procure.
- ii. Equipment purchased by the County at the cost of the City shall be placed on the Property Inventory attached hereto as Exhibit B. The City has provided to the County certain police equipment, which is included in the Property Inventory shown on Exhibit B. Exhibit B shall be reviewed annually and if necessary will be updated to reflect the deletion of items no longer needed for law enforcement service and returned to the City and the addition of any equipment provided by City and all other equipment purchased at the City's expense.
- iii. Any equipment purchased using City funds will be used in performance of the law enforcement services in the City and will not be used for non-City functions, except for mutual aid situations, unless authorized by the City Manager. City equipment will be maintained in a manner, and replaced at the City's cost and expense at a point in time that is consistent with the customary maintenance and replacement schedule for like equipment provided by the County in policing the unincorporated areas.
- iv. Upon termination, and subject to the Transition Plan referred to in paragraph 2 of this Agreement, the County will return to the City those items identified in Exhibit B, or equipment of equal or similar value, except those items that have reached the end of their useful life or is non-serviceable.
- v. County will advise City when any item listed in Exhibit B is no longer needed or becomes non-serviceable.

11. Liability and Indemnification.

A. County's Obligation. City, its officers and employees, by this Agreement, shall not assume any liability for the direct payment of any salary or wages to any County officer or employee performing services hereunder for City, nor for the direct payment of compensation or indemnity to any County officer or employee for any injury to or illness of such officer or employee arising out of their employment by County, and County shall hold harmless, defend and indemnify City, its officers and employees, against any and all costs, expenses, claims, suits and liability for bodily and personal injury to or death of any person and for injury to or loss of any property resulting therefrom or arising out of or in any way connected with any negligent or wrongful acts or omissions of County, its officers and employees, in performing or authorizing the performance of or in failing to perform or authorize the performance of any work, services or functions provided for, referred to in or in any way connected with any work, services or functions to be performed under this Agreement.

- i. City's Obligation. County, its officers and employees, by this Agreement, shall not assume any liability for the negligent or wrongful acts or omissions of City, nor of any officer or

employee thereof, nor for any dangerous condition of the streets, public work, or property of City, and City shall hold harmless, defend and indemnify County, its officers and employees, against any and all costs, expenses, claims, suits and liability for bodily and personal injury to or death of any person and for injury to or loss of any property resulting therefrom or arising out of or in any way connected with any negligent or wrongful acts or omissions of City, its officers and employees, in performing or authorizing the performance of or in failing to perform or authorize the performance of any work, services or functions provided for, referred to in or in any way connected with any work, services or functions to be performed under this Agreement.

B. City Ordinances. Notwithstanding the forgoing, the County does not assume liability or responsibility for or in any way release the City from any liability or responsibility that arises in whole or in part from the enforcement of City ordinances, rules or regulations. In any case, claim, suit, action or administrative proceeding in which the enforceability and/or validity of any such City ordinance, rule or regulation is at issue, the City shall defend and indemnify and hold harmless the County, and its officers and employees, against any and all costs, expenses, claims, suits and liability that arises in whole or in part from enforcement of City ordinances, rules or regulations.

C. Injuries to County Employees. Notwithstanding the forgoing, County warrants that it is insured, or is permissibly self-insured, for workers' compensation coverage and agrees that its employees providing services to City pursuant to this Agreement will be covered by County's workers' compensation program or insurance for all injuries arising out of or occurring in the course and scope of their employment. Furthermore, County shall not pursue any action against City, including, but not limited to an action for subrogation, if a County employee performing service pursuant to this Agreement obtains worker's compensation benefits which may be or are attributable to the conduct or alleged negligent or wrongful act or omission of City, its officers and or employees, or dangerous conditions of the street or property of City.

12. Default.

A. Cure. In the event a party to this Agreement fails to perform pursuant to the terms and conditions of this Agreement, the party to whom an obligation is owed will provide the non-performing party with at least 30 days prior written notice of said non-performance, upon which the non-performing party will have the opportunity to comply with the request for performance, or in the event of continued non-performance, the parties shall have the right to then pursue any and all available legal remedies.

B. Failure to give Notice. Failure to give, or delay in giving, Notice of Default shall not constitute a waiver of any obligation, requirement or covenant required to be performed hereunder. Except as otherwise expressly provided in this Agreement, any failure or delay by either Party in asserting any rights and remedies as to any breach shall not operate as a waiver of any breach or of any such rights or remedies. Delay by either Party in asserting any of its rights and remedies shall not deprive such Party of the right to institute and maintain any action or proceeding which it may deem appropriate to protect, assert or enforce any such rights or remedies.

13. Attorney Fees. In the event that a party to this Agreement commences litigation to enforce the performance of this Agreement, the prevailing party shall be entitled to an award of its costs of litigation, including the cost of expert and attorneys' fees.

14. Notices.

A. Any notice or notices provided for by this Agreement to be given or served upon the County shall be given or served by letter deposited in the United States Mail, postage prepaid and addressed to:

Stanislaus County Sheriff's Department
250 E. Hackett Rd
Modesto, CA 95358

B. Any notice or notices provided for by this Agreement to be given or served upon the City shall be given or served by letter deposited in the United States Mail, postage prepaid and addressed to:

City of Patterson
1 Plaza
Patterson, CA 95363

15. Audits.

A. Pursuant to Government Code section 8546.7, City and County shall be subject to examination and audit by the State Auditor for a period of 3 years after final payment by City to County under this Agreement. City and County shall retain all records relating to the performance of this Agreement for said 3 year period as a minimum.

B. County agrees that relevant records shall be made available to the City to audit and examine if the City requests such audit and examination by contacting the Sheriff or his representative at least 10 working days prior to the commencement of the audit and examination.

16. Necessary Acts. The parties to this Agreement hereby authorize their respective officers and employees to do all things reasonably necessary to accomplish the purposes of this Agreement.

17. Designations. County designates the Sheriff of Stanislaus County, or his designee, to represent County in all matters pertaining to the administration of this Agreement. The City designates its City Manager, or his designee, to represent City in all matters pertaining to the administration of this Agreement. Both City and County will provide the full cooperation and assistance of its officers, agents, and employees to each other in performance of this Agreement.

18. Modification Only in Writing. This Agreement may not be modified, amended, changed,

added to, or subtracted from by the mutual consent of the parties hereto if such amendment or change is not in written form and executed with the same formalities as this Agreement and attached to the original Agreement to maintain continuity. Notwithstanding anything to the contrary, no oral agreement or directive from or between either Party, or their designees shall operate to amend or change the terms of this Agreement.

19. Entire Agreement. This Agreement contains the entire Agreement of the parties, and no representations, inducements, promises, or agreements otherwise between the parties, not embodied herein, or incorporated herein by reference shall be of any force or effect. Notwithstanding anything to the contrary, no term or provision hereof may be changed, waived, discharged, or terminated unless the same is in writing executed by the parties above.
20. Severability. If any portion of this Agreement or application thereof to any person or circumstance shall be declared invalid by a court of competent jurisdiction, or if it is found in contravention of any federal, state or County statute, ordinance or regulation, the remaining provisions of this Agreement or the application thereof shall not be invalidated thereby and shall remain in full force and effect to the extent that the provisions of this Agreement are severable.
21. Precedence. The contract documents consist of this Agreement and Exhibits A, B and C. In the event of a conflict between or among the contract documents, the order of precedence shall be the Exhibits and then the provisions of the main body of this Contract, i.e., those provisions set forth in the recitals and articles of this Agreement.
22. No Third Party Beneficiary. This Agreement shall not confer third party beneficiary status on any non-party, including the citizens of either Party.
23. Successors and Assigns. This Agreement shall be binding on and enforceable by and against the parties to it and their respective heirs, legal representatives, successors and assigns.
24. Duplicate Counterparts. This Agreement may be executed in any number of counterparts, and each such counterpart, executed telecopy, fax or photocopy shall be deemed to be an original instrument, but all of which together shall constitute one and the same Agreement.
25. Legal Requirements. The Parties shall comply with all applicable federal, state, and local laws in performing this Agreement.
26. Venue. The laws of the State of California shall apply to the construction and enforcement of this Agreement. Any action at law, suit in equity, or judicial proceedings for the enforcement of this Agreement or any provision hereto shall be in the Superior Court of Stanislaus County.

Signatures on following page:

IN WITNESS WHEREOF, the Parties have executed the Agreement in the County of Stanislaus, State of California.

COUNTY OF STANISLAUS

CITY OF PATTERSON

By: _____
Dick Monteith,
Chairman

By: _____
Luis Molina
Mayor

Date: _____

Date: _____

ATTEST:

ATTEST:

By: _____
Elizabeth King,
Clerk

By: _____
Maricela Vela,
City Clerk

APPROVED AS TO CONTENT:

APPROVED AS TO CONTENT:

By: _____
Adam Christianson,
Sheriff

By: _____
Ken Irwin,
City Manager

APPROVED AS TO FORM:
John P. Doering
County Counsel

APPROVED AS TO FORM:
CITY ATTORNEY

By: _____
Rob Taro,
Deputy County Counsel

By: _____
Tom Hallinan
City Attorney

**EXHIBITS A, B, & C
TO
STANISLAUS COUNTY
LAW ENFORCEMENT SERVICES
AGREEMENT**

**City of Patterson
(2016-2020)**

EXHIBIT A

**CITY OF PATTERSON
GENERAL LAW ENFORCEMENT
SERVICE LEVEL
REQUEST**

1. City Request. City requests the County to perform the general law enforcement services listed here below at the staffing level shown. The Sheriff and the City Manager have discussed and agree to the services and staffing levels described below.
2. Property Inventory. The Sheriff and the City Manager have reviewed the Property Inventory attached as Exhibit B and agree that it is accurate and complete.
3. Contract Rates. The Sheriff and the City Manager have reviewed the Contract Rates attached as Exhibit C and accept those rates.
4. Services to be Performed. County will provide to City the following General Law Enforcement Services:
 - a. Patrol, Investigation, Traffic and all Auxiliary and Technical Service, case, property, and records management, crime scene identification, administration, information technology, backgrounds, internal affairs, human resources, payroll, financial and specialized training.
5. Excluded Services: Any services of which the County may be a party, such as a J.P.A. or task force M.O.U., such as, S.D.E.A, StanCATT, Cal-MMET, HIDTA, and SR911.
6. Ancillary Services: County will provide the following ancillary Services: STARS Program; Reserve Program.
7. Special Events: The City and County shall share equally the cost of law enforcement services for the annual "Apricot Fiesta."
8. Staffing Level. The staffing level which will be provided is as follows:

Patrol	Twelve Primary Patrol deputies (three deputies on A & B squads, both day and graveyard shifts).	Backfill a minimum of two (2) per shift. 24/7, 365 days
Detectives	Four, normal business hours, 10 hours/day, 4 days/week.	No backfill
Traffic	Two - (one deputy on A & B) day shift.	No backfill
School Resource Officer	One, normal business hours, 10 hours/day, 4 days/week.	No backfill
Sergeants	Three Sergeants, one per shift (A & B squads, Swing shifts) and one normal business hours 10 hours/day 4 days/week	No backfill

	with flexibility.	
Chief*	85% of a Chief of Police, normal business hours, 15% paid by the County and 85% paid by City.	No backfill
Community Service Officer (CSO)	One, normal business hours, 8 hours/day, 5 days/week.	No backfill
Supervising Legal Clerk I/II	One, normal business hours, 8 hours/day, 5 days/week.	No backfill
Clerical – Legal III	Two, normal business hours, 8 hours/day, 5 days/week.	No backfill

- a. * The Chief of Police will have split duties and responsibilities and will split time between the County and the City. The cost of the position shall be allocated as shown below. The County will ensure that the Chief of Police divides his/her time in a manner that ensures the proper management of the City law enforcement services. If the time allocation changes, the parties will meet and confer in good faith and adjustment this cost sharing formula in accordance with their mutual agreement.

	CITY of Patterson	COUNTY
Chief of Police	85%	15%

9. Personnel Term: The Chief of Police will serve a term of three years with an optional fourth year eligible upon approval by both the City and the Sheriff. All other positions will serve terms in accordance with their respective Memorandums of Understanding.
10. Facilities: The City shall provide the existing police facility at 33 S. Del Puerto Avenue, Patterson, for the County to conduct law enforcement services.
11. Dispatch Services: The City shall use the same dispatch services utilized by the Sheriff's Department while this contract is in effect.

APPROVED AND ACCEPTED BY:

STANISLAUS COUNTY SHERIFF:

CITY MANAGER:

By: _____
Adam Christianson,
Sheriff

By: _____
Ken Irwin,
City Manager

Date: _____

Date: _____

**EXHIBIT B
PATTERSON POLICE SERVICES
PROPERTY INVENTORY
AS OF JUNE 2016**

Vehicles inventory per original agreement in 1998:

1. 1993 Ford Crown Victoria #323 Detective	100,118 miles
2. 1993 Ford Crown Victoria #324 Chief's	54,444 miles
3. 1994 Ford Crown Victoria #325 Patrol	103,929 miles
4. 1994 Ford Crown Victoria #326 Patrol	86,771 miles
5. 1995 Chevrolet Caprice #327 Patrol	38,300 miles
6. 1992 Ford Bronco 4 WD #329 Patrol	84,329 miles

Current vehicle inventory as of June 2013:

1. 07-44 2007 Pontiac Grand Prix (Detective)	83,331 miles
2. 09-37 2009 Ford F150 ½ Ton (CSO)	42,547 miles
3. 09-74 2009 Ford Crown Victoria (Detective)	60,092 miles
4. 09-94 2009 Nissan Altima 2.5S	108,252 miles
5. 11-05 2011 Ford Crown Victoria (Traffic)	83,156 miles
6. 11-14 2011 Ford Crown Victoria	87,733 miles
7. 11-53 2011 Ford Crown Victoria	32,377 miles
8. 11-64 2011 Ford Crown Victoria(SRO)	68,991 miles
9. 12-27 2012 Chevrolet Impala (Chief)	43,289 miles
10. 13-22 2013 Chevrolet Tahoe (K9)	58,414 miles
11. 14-02 2014 Ford Explorer	44,292 miles
12. 14-04 2014 Ford Explorer	20,495 miles
13. 14-10 2014 Ford Explorer	18,893 miles
14. 14-22 2014 Ford Explorer	44,292 miles
15. 14-601 2014 Harley Street Glide	18,500 miles
16. 15-17 2015 Ford Explorer	8,664 miles
17. 15-53 2015 Harley Street Glide	2,030 miles

The following inventory of the major items of the Police Department:

Computers

- 17 Office Computers
- 6 Mobile Computers (In-car) (08-35, 09-21, 09-37, 10-01, 10-13 & 11-05)

Printers

- 1 HP4240 (LaserJet)

Fax Machine

HP C6180 Fax/Scan/Copy

Cameras

- 16 Digital cameras
- CSO camera

Portable Radios

- 3 HT1250

5 HT750

Lidar & Radar

Kustom Prolaser III Lidar
Kustom Radar Hand-held
2 Golden Eagle Mobile Radar
1 Stalker Radar
1 Kustom Road Runner Radar
1 Kustom HR-12 Radar
2 GENESIS -VP

Firearms

1 Remington 700 Rifle w/Leopold 10x Scope (On loan to Sheriff's SWAT unit)
6 Remington 870 12ga shotguns
1 Glock 18 full auto (At SOC)
3 Colt AR-15 .223 Rifle

Police Bikes

2- Diamondbacks
2-Raleigh

Telephone System

19-Nortel Network Desk phones-City of Patterson Phones
17-Cisco IP Desk phones

Misc. Equipment

18 Desks	12 Tables	8 20" TV
4 DVD Player	8 Paper Shredders	22 File Cabinets
1 IBM Typewriter	38 Lockers	4 Bookshelves
1 Gun Safe	1 Wet/dry Vac	2 PAZ units
1 Bull horn	1 Door Ram	3 Storage Cabinets
1 Gram scale	19 Fire Extinguishers	58 Chairs
3 Forms Cabinets	1 Scanners	1 Radar Trailer
1 Base station radios	2 Tool boxes w/tools	1 Animal catch poles
3 Bolt cutters	2 Transcription unit	1 VCR
32-Small lockers	19-Prop/Evid lockers	

Copy machine is on a county lease.

County Oracle Inventory Records January 2013:

Asset Tag#	Asset Description	Serial Number
86680	HP Desktop Computer	2UA8170DS0
85222	Printer HP LJ 4240N	SCNRXX34055
84772	Printer HP LJ P4014N	SCNDX106552
84773	Printer HP LJ P4014N	SCNDX206179
85672	Tracker ST811 Guardian Deluxe Kit	N/A
84767	Motorola XTS2500 Portable	407CJH1684
84768	Motorola XTS2500 Portable	407CJH4640
85916	Radar Gun	200-2078-00
84702	Motorola XTS1500	687CJM1635-CSO
82606	HP LJ 4240N	CNRXH66774
	Kodak Easyshare Z740 Camera	KCKDT60200563
	HP OFFICE JET PRO K550	MY73771027

**EXHIBIT C
PATTERSON POLICE SERVICES – CONTRACT
RATES**

	Budget 2015/2016	Budget 2016/2017	Budget Variance	Var %
Staffing				
Lieutenant/Chief (No Backfill)	0.8	0.85	0.05	6%
Sergeant (No Backfill)	3	3	0.00	0%
Deputy Sheriff/Patrol (Backfill)	12	12	0.00	0%
Deputy Sheriff/Traffic (No Backfill)	2	2	0.00	0%
Deputy Sheriff/Detective (No Backfill)	4	4	0.00	0%
Deputy Sheriff/SRO (No Backfill)	0	1	1.00	100%
Community Service Officer (CSO) (No Backfill)	1	2	1.00	100%
Supervising Legal Clerk I/II (No Backfill)	1	1	0.00	0%
Legal Clerk III (No Backfill)	2	2	0.00	0%
Total Officers including Lieutenant	25.8	27.85	1.05	4%
Officers per 1,000 based on Population of	20,868	1.24	1.33	0.10
Officers per 1,000 based on Population of	20,868	1.24	1.33	0.10
Total Salary and Benefits	2,993,081	3,234,416	241,335	8%
Overtime and Extra Help (Backfill, Grants, School, Security events)	236,830	252,978	16,148	7%
Service, Supplies and Other Charges	156,845	163,050	6,205	4%
SR911 Dispatch Services	354,260	297,242	(57,018)	-16%
Other Charges (County CAP's)	77,315	97,846	20,531	27%
Transcription Costs	13,000	15,000	2,000	15%
Fixed Assets	41,000	-	(41,000)	-100%
Patrol Vehicle Charges (Rates below)	174,680	-	(174,680)	-100%
Vehicle Replacement Costs (Was Depreciation only 15/16)	25,000	240,000	215,000	860%
Total Cost of City Contract	4,072,011	4,300,532	228,521	6%
	4,072,011			
Revenues:				
City Law Enforcement Services	4,050,481	4,148,619	98,138	2%
Apricot Fiesta	19,030	22,607	3,577	19%
Other Law Enforcement Services	2,500	4,306	1,806	72%
School Resource Officer	-	125,000	125,000	100%
Total Revenue	4,072,011	4,300,532	228,521	6%

Type of Vehicle	Mileage Rate
Patrol Car	\$ 0.90
Intermediate Sedan	\$ 0.66
Full Size Sedan	\$ 0.83
SUV Patrol	\$ 1.47

Current vehicle inventory as of March 2016:	
Description	Vehicle #
2007 Pontiac Grant Prix	07-44
2009 Ford F150	09-37
2009 Ford Police Interceptor (Crown Victoria)	09-74
2009 Ford Police Interceptor (Crown Victoria)	09-94
2011 Ford Police Interceptor (Crown Victoria)	11-05
2011 Ford Police Interceptor (Crown Victoria)	11-14
2011 Ford Police Interceptor (Crown Victoria)	11-53
2011 Ford Police Interceptor (Crown Victoria)	11-64
2012 Chevrolet Impala	12-27
2013 Chevrolet Tahoe	13-22
2014 Ford Explorer Patrol SUV	14-02
2014 Ford Explorer Patrol SUV	14-04
2015 Ford Explorer Patrol SUV	14-10
2015 Ford Explorer Patrol SUV	14-22
2015 Ford Explorer Patrol SUV	15-17
Additional Vehicles not included in the replacement program	
2014 Harley Street Glide	14-601
2015 Harley Street Glide	15-53
2016 Zero DSP	



CITY COUNCIL AGENDA REPORT

TO: Mayor Molina and Members of the City Council
FROM: City Manager Irwin
BY: City Attorney Hallinan
MEETING DATE: June 7, 2016
ITEM NO.: 9.b.
SUBJECT: Approve a Resolution (No. 2016-50) to be Forwarded to Stanislaus County Board of Supervisors in Support of a Reward to a Real Estate Watchdog

RECOMMENDATION

Approve attached Resolution to be forwarded to Stanislaus County Board of Supervisors in support of a reward to a real estate watchdog.

ANALYSIS

California's Proposition 13, passed in 1978, was the nation's first modern legislation to keep real property tax assessments and taxes stable until a property sale. The measure was designed to protect existing owners from rising taxes amid escalating real estate values. Prior to 1978, assessors did not care who owned a building or real estate as property was appraised yearly and taxed based on that valuation. Property values are now essentially frozen at the time the owner obtained the real estate and only reassessed when it changes hands. Determining ownership and when it changes is paramount.

Under California law, a property reassessment, which usually leads to higher real property taxes, occurs only after real estate changes hand or is upgraded. This creates an incentive for some owners to hide transactions. County Tax Assessors rely on buyers and sellers who are obligated to declare ownership changes so the higher taxes can be collected promptly rather than retroactively.

Stanislaus County, particularly Stanislaus County Assessor, is responsible for the proper assessment of all property taxes within Stanislaus County. "All property in the State, not exempt under the laws of the United States, or, of this State is subject to taxation...." Cal Constitution, article XIII, section 1(a). All property is taxable and shall be assessed at the same percentage of fair market value.

Stanislaus County is constitutionally required to properly assess all property within Stanislaus County, including any improperly assessed property and to encourage reporting of property tax evasion due to simple mistake, misfeasance, malfeasance, fraud, or for whatever reason a property owner's assessment has not been correctly assessed as lost property taxes impact provision of such vital public services as law enforcement services, social welfare programs, and other essential services.

ESCAPED ASSESSMENTS

A Patterson citizen has discovered what he believes is a property owner's failure to report a change of ownership triggering escaped assessments of at least \$2,000,000 (eight years of unreported escaped assessments of property taxes, penalty and interest of a rate of 9% and 8% respectively, a 25% penalty if the escaped assessment involves personal property, and supplemental taxes).

This lost property tax revenue not only impacts education funding, but cities and special districts, as well as county revenue. Therefore, any decision not to collect this lost revenue also has fiscal impacts upon cities as well as special districts. This would appear to be one of the "innovative ways" to expand services. As written in the Guest Column of the West Side Index, March 16, 2016, Supervisor Jim DeMartini stated:

"Cooperation between all levels of governments is essential for the efficient delivery of services. Stanislaus County is committed to building strong relationships with city, state, and federal governments to best serve local communities. The county has sought innovative ways to utilize partnerships, leverage resources, and expand services to the people of Stanislaus County.

The cities and Stanislaus County generally work well together and why shouldn't they? Both are in the same business, which is providing necessary services that give us the quality of life we all enjoy."

It is believed that some portion of this \$2,000,000 is lost revenue to the City of Patterson. It is estimated that Stanislaus County would receive approximately \$16,000 annual as its allocation (12%) of property tax revenues. a lump sum of at least \$140,000 (even with a proposed reward paid to the real estate watchdog of 5%), plus possible \$16,000 for its administrative costs.

There is no statute that explicitly permits a real estate watchdog, such as this citizen, from receiving a reward. However, there is no law that prohibits a taxing entity, whose constitutional responsibility is to properly assess all properties, from contracting or permitting someone to collect a reward for a portion of the entities property tax receipts. In fact, the City and County of San Francisco adopted in 2011 a reward for information concerning underpayment of property tax that authorizes payment up to \$500,000 for such information. A copy of San Francisco Administrative Code Section 10.177.2 and 10.177-3 is attached.

PUBLIC POLICY

The public policy in this situation is stated in the State Constitution requiring that all property shall be properly taxed and assessed at the same percentage of fair market value. An assessor has a constitutional duty to levy escaped assessments and after more than eight years it does not appear that the County Assessor will find the property tax evasion. Fairness is paramount to all County taxpayers, particularly at this time of year when homeowners are paying their property taxes. Fairness also demands that a property owner who has evaded payment of its property taxes for

more than eight years should not be rewarded. There does not appear to be any public policy that should protect a property tax evader.

There are not enough County Assessor's auditors and county staff to monitor all transactions in Stanislaus County. Citizens should be encouraged via a reward system to report such property tax evasion. Rewards are given by the State or the courts to individuals, up to 30% of recovered damages, for reporting false claims made to the state or local units of government. Rewards up to 30% of the recovered taxes are also given to individuals by the federal government who report federal tax evaders. Whistleblowers/real property watchdogs should be encouraged as it saves from increasing County Assessor's staff to fulfill their duty to properly assess all properties in the County.

The City of Patterson supports the request, as stated in the attached letter, for a reward of 5% of the total escaped assessments, penalties, interest, and supplemental assessments. Also, it should be noted that Stanislaus County could possibly be repaid up to 1/6 of this reward pursuant to Property Tax Administration Cost, permitted by Revenue and Taxation Code section 95.3 and 97.75 and Stanislaus County Ordinance Code section 4.44.010.

RESOLUTION NO. 2016-50

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PATTTERSON
RECOMMENDING THAT THE STANISLAUS COUNTY BOARD OF SUPERVISORS
PROVIDE FOR A REAL ESTATE WATCHDOG REWARD**

WHEREAS, after the passage of Proposition 13 in 1978, real property is reassessed only after it is transferred to a new owner; and

WHEREAS, Stanislaus County, particularly the Stanislaus County Assessor, is responsible for the proper assessment of all property taxes within Stanislaus County; and

WHEREAS, Stanislaus County is constitutionally required to properly assess all property within the county, including any improperly assessed property and to encourage reporting of property tax evasion due to simple mistake, misfeasance, malfeasance, fraud, or for whatever reason as improperly assessed property adversely impacts provision of vital public services; and

WHEREAS, a Patterson citizen has discovered what he believes is a property owner's failure to report a change of ownership triggering escaped assessments of approximately \$2,000,000; and

WHEREAS, as lost property tax revenue impacts school, cities, and special districts funding, as well as the county's revenue, and therefore any decision not to collect escaped property tax revenue impacts of \$2,000,000 also effects cities and special districts; and

WHEREAS, Stanislaus County Board of Supervisor Jim DeMartini has written that Stanislaus County has "sought innovative ways" to expand services to Stanislaus County; and

WHEREAS, the City and County of San Francisco has adopted an ordinance to reward real estate watchdogs, such as the Patterson citizen who has found escaped assessments, as an innovative way to expand revenue for the City of San Francisco; and

WHEREAS, public policy is clearly stated in the State Constitution that all property shall be properly taxed and assessed at the same percentage of the fair market value; and

WHEREAS, Stanislaus County has a constitutional duty to levy escaped assessments and there can be no public policy that should protect property tax evader; and

WHEREAS, fairness is paramount to all County taxpayers who at this particularly time of the year are paying their property taxes; and

WHEREAS, **there** are not enough County staff to monitor all property transfers in the county and citizens should be encouraged via a reward system to report such significant property tax evasion that involve approximately \$2,000,000; and

WHEREAS, the State of California already rewards individuals who report false claims up to 30% of the recovery as does the federal government for federal income tax evasion.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Patterson that it supports the reward request as stated in the February 4, 2016 letter to Supervisor Jim

DeMartini for 5% of the total escaped assessments, penalties, interest, and supplemental taxes and directs the City Clerk to send a copy of this resolution to Stanislaus County Board of Supervisors.

The foregoing resolution was passed by the City Council at a regular meeting held on the 7th day of June, 2016, _____, who moved its adoption, which motion was duly seconded by _____ by the resolution adopted by the following roll call vote:

AYES:

NOES:

EXCUSED:

APPROVED:

Luis I. Molina, Mayor of the City of Patterson

ATTEST:

Maricela L. Vela, City Clerk of the City of Patterson

I hereby certify the foregoing is a full, correct, and true copy of a resolution passed by the City Council of the City of Patterson, a municipal corporation of the County of Stanislaus, State of California, at a regular meeting held on the 7th day of June, 2016, and I further certify that said resolution is in full force and effect and has never been rescinded or modified.

Dated:

City Clerk of the City of Patterson