

**KERMAN CITY COUNCIL
COUNCIL MEETING**

**December 02, 2009– Regular Meeting
6:30 PM**

AGENDA

**Kerman City Hall
850 S. Madera Avenue
Kerman, CA 93630**

City Council: Mayor Trinidad M. Rodriguez, Council Members: Richard Stockwell, Raj Dhaliwal, Jack Sidhu, Charlie Jones

City meetings are intended to be accessible to all persons. Please let us know if you require any accommodation to allow you to access and participate in this meeting. For assistance, please call (559) 846-9380 two days prior to the meeting.

Materials related to an item on this agenda that are public documents and are submitted after distribution and posting of the agenda are available for public inspection in the City Clerk's office at 942 South Madera Avenue, Kerman, during normal business hours. Documents that are public documents provided by others during a meeting will be available at the same location during business hours after the meeting.

Present:

Absent:

Also Present:

WELCOME - Mayor Trinidad M. Rodriguez

CALL TO ORDER

ROLL CALL - City Clerk

INVOCATION - As Offered

At this time the Council wishes to provide anyone an opportunity to provide a brief invocation or inspirational thought. In accordance with law, we would request only that this opportunity not be used to recruit converts, or to advance any one, or to disparage any other faith or belief. If no one steps forward, we will observe a moment of silence so that we may all focus our thoughts on how best to serve our community.

PLEDGE OF ALLEGIANCE – City Clerk

1. AGENDA APPROVAL

2. PRESENTATIONS/COMMENDATIONS

2.A Presentation: Senior Citizens and Community Services - by Community Services Director Philip Gallegos and Senior Services Staff [PG]

Philip Gallegos, the Community Services Director, in concert with Senior Services staff, will make a presentation highlighting our Senior Citizens, Transportation, Community and Social Service programs. Information on the program components are included in the Council packet. They are: Senior Center Operations and Activities, In-Center Lunch and Home Bound Meals Program, Recreation, and Transportation. Senior programs are funded in part by the Fresno-Madera Area Agency on Aging, with the City of Kerman funding the majority of these services. The Kerman Transit Service is funded in part by the Fresno County Rural Transits Agency and Measure C funds.

Recommendation: Council accept presentation and ask questions.

REQUEST TO ADDRESS COUNCIL

This portion of the meeting is reserved for members of the public to address the Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Council on items on the Agenda should notify the Mayor when that Agenda item is called, and the Mayor will recognize your discussion at that time. It should be noted that the Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Speakers are asked to please use the microphone, and provide their name and address.

3. PUBLIC HEARINGS / PUBLIC MEETING – 6:30 p.m.

3.A Public Hearing RE: Abatement of Nuisance Trees at 14855 W. B Street, Kerman [KM]

Public Hearing RE: Abatement of Nuisance Trees at 14855 W. B Street, Kerman

Cottonwood trees growing at the rear of the property at 14855 W. B Street are creating a problem with the sewer and water systems located in the adjacent alley. The roots are very invasive and recently have totally blocked the sewer main and broken the water main. Pursuant to Kerman Municipal Ordinance 12.20.050, the cottonwood trees growing on the property were found to be endangering the security or usefulness of the sewer and water systems located in the alley and were declared a public nuisance. The property owners were served with a fifteen day abatement notice that included a notice of opportunity to appear before the Kerman City Council on December 2, 2009 and appeal the finding.

A register letter was sent to the property owner but they have not responded.

Recommendation: Through City Council motion to approve the abatement of the trees and assess the owners of the property the cost of removal.

4. CONSENT CALENDAR (Items that are not pulled from the Consent Calendar are approved by a single motion.)

4.A Approval of Minutes:
11/18/2009

4.B Payroll Report:
Report: November 01, 2009 - November 14, 2009: \$112,543.88; Overtime: \$1,883.86; Standby & FTO: \$898.78; Comp time Earned: 9.5

4.C Warrants:
Nos. 29547 - 29624 \$354,149.41

5. PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AGREEMENTS, ETC

5.A Resolution: Wastewater Treatment Plant - Supervisory Control And Data Acquisition (SCADA) System Proposal Award [KM]

The expansion of the Waste Water Treatment Plant requires that the Supervisory Control And Data Acquisition (SCADA) system be expanded and integrated into the new equipment. The City of Kerman sent out a Request for bids through Provost and Pritchard and received three bids. The low bid for the work was submitted by ICAD with a bid of \$68,862. The other bids received were from Automated Controls \$169,000 and Tesco \$82,000. The electrical engineer for the WWTP expansion has checked ICAD's bid proposal to ensure that all bid requirements have been met. This work is outside the Clark Bros. contract and will be charged out of the Sewer Major Facilities Impact Fees account.

The SCADA system monitors several operational aspects at the WWTP that include water levels, flow levels, automatic controls such as the standby generator and the automatic gate on the main effluent pipe to the head-works. The SCADA alarm system can contact Stand-By staff if a disruption occurs.

ICAD has been the installer of previous SCADA systems for the City.

Recommendation: Approve Resolution awarding the SCADA Project to ICAD for \$68,862.00.

5.B Ordinance: Introduce by Title Only, Waive Further Reading of Ordinance, and Set Public Hearing for adoption of an Ordinance amending Title 13 of the Kerman Municipal Code by adding Chapter 13.06 regarding the adoption of a Water Efficiency Landscape Ordinance [RM/LP]

This item was brought to the City Council at the November 18, 2009 meeting. After considering the matter, the City Council directed staff to bring forth an Ordinance adopting the Model Water Efficiency Ordinance (MWELo) prepared by the California Department of Water Resources (DWR). The Ordinance will be introduced at tonight's meeting and a public hearing for adoption of the Ordinance will be set for the December 16, 2009 City Council meeting.

Staff recognizes that DWR's Model Water Efficiency Landscape Ordinance is burdensome and overly restrictive. However, by adopting the MWELo Kerman would be in compliance with AB 1881 and staff would have more time to evaluate the MWELo and recommend revisions to simplify the administration and implementation of the Ordinance for the Council's consideration early next year.

Recommendation: City Council introduce by title only, waive further reading of Ordinance, and set public hearing date for December 16, 2009 for adoption of an Ordinance amending Title 13 of the Kerman Municipal Code by adding Chapter 13 regarding the adoption of a Water Efficiency Landscape Ordinance.

6. WRITTEN COMMUNICATIONS

7. ADMINISTRATIVE REPORTS

7.A Fresno County Cal Works 80/20 Employment Program [KM]

The Federal Government through the American Recovery and Reinvestment Act of 2009 is making several million dollars available to Fresno County Businesses and Municipalities for labor subsidies aimed at mobilizing the workforce. The program expires 9/30/10. There is no obligation to hire after expiration.

Cal Works (welfare program) has about 25,000 people signed up but only 11,000 are eligible and have qualified for work. The program representative emphasized that the candidates are qualified.

The City must pay average wages of like job to the program employee. This includes all insurance, taxes, workers comp, benefits that our city employees receive. (Hourly wage) Employees must complete 35 hours or more of work each week. There is a 45 day turn around to receive payments for reimbursement. There is no limit to amount of employees hired. The program will pay for wages, work related supplies and materials, training and supervision expenses. We are requesting three (3) positions:

- * Public Works Maintenance Worker*
- * Police Dept. Receptionist Clerk*
- * Finance Dept. Account Receptionist*

These employee placements will earn regular beginning salary with benefits excepting PERS retirement. The City will fill out the job order description form and send it in. They will choose qualified applicants from which we can interview and pick the best candidate. After choosing the candidate we must go online and complete an employee registration form. The program will provide a week long workshop. Anytime throughout the program we have the ability to dismiss the employee if we are not satisfied with their performance. We will be able to recruit another worker

Estimate Fiscal Impact:

** FY 2009/10 - (6 mos. from Jan to June 30th) each position approximately \$4,000 each for a total of \$12,000*

** FY 2010/11 - (3 mos. from July to Sept. 30th) each position approx. \$2,000 each for a total of \$6,000.*

Police Dept. cost will be General Fund; Finance and Public Works will be charged to: Water, Sewer & Refuse

For over one year the City has opened with seven (7) open positions. This additional help will be of great assistance to keep service high at very low costs. The loss of the Proteus workers this last week has left a huge gap.

In conjunction with the EDC Bear Action Network and the Kerman Chamber we are hosting several workshops for businesses in order that Kerman business may benefit from this outstanding service.

Recommendation: Council approve staff applying to the Cal Works 80/20 Program for the three (3) positions as presented and allocating the appropriate funds for each fiscal year.

**7.B 2010 Ballot Measure: Californians To Protect Local Taxpayers and Vital Services.
[RM]**

The League of California Cities is part of a coalition that filed a proposed ballot measure for the November 2010 ballot to "protect local government revenues from state raids and loans. Specifically the ballot measure would:

** Prohibit the State from taking, borrowing or redirecting local taxpayer funds dedicated to public safety, emergency response and other vital local government services (including redevelopment); and*

**Protect vital, dedicated transportation and public transit fund from state raids*

As the measure moves forward to become qualified for the November 2010 ballot the League will keep coalition member cities and groups informed as to support of the measure.

At this time the League is requesting individual city support for the 2010 Ballot Measure: Californians To Protect Local Taxpayers and Vital Services

While the City of Kerman may inform its constituents of our support or the proposed 2010Ballot Measure: Californians To Protect Local Taxpayers and Vital Services; the City may not use City resources to promote. However, one's private time may be utilized towards this end.

Attached is a memo from Chris McKenzie, Executive Director of the League of California Cities which provided more detail regarding this effort.

Recommendation: Council Authorize City to Join with the California League of Cities in Support of the proposed 2010 Ballot Measure: Californians To Protect Local Taxpayers and Vital Services and to so inform the California League of Cities.

8. COUNCIL REPORTS

8.A Mayor's Report

1. City of Kerman Holiday Party - December 5, 2009
2. Pageantry of Lights Parade - December 12, 2009 - 6 pm

8.B Council Members' Reports

9. CLOSED SESSION

9.A Property Negotiations - 942 S. Madera Ave

COUNCIL RECONVENE FROM CLOSED SESSION

10. ADJOURNMENT

A CHRISTMAS CAROL



Wednesday
December 2, 2009
10:00am

Movie & lunch
Cost for movie and lunch on your own.

Please make your reservation before
December 1, 2009



The Golden Years

Kerman Senior Center Newsletter

Recreation & Community Services

720 S. 8th Street

Kerman, California 93630

Volume 7, Issue 4

November/December 2009/January 2010

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Answers to Safety Quiz

**What Do You Know
About Your Fellow
Kerman Senior Center
Seniors**

What's Happening Senior Center Events

November 11 - Veteran's Day, Senior Center Closed

November 20 - Thanksgiving Dinner and Dance 1:00 to 4:00 Community Teen Center

November 26-27 - Thanksgiving Holiday, Senior Center Closed

December 11 - Christmas Party 11:00 to 1:00 Community Teen Center

December 24, 25, 31 - Christmas Holiday, Senior Center Closed

January 1 - New Year's Day, Senior Center Closed



A Tree for the Holidays

I took my first teaching job in 1959 in Ludlow, Massachusetts. The school was in a working-class neighborhood of mixed nationalities, including Puerto Rican, Italian and Portuguese.

The adults worked long hours, but their jobs were low-paying and budgets were strained to the limit. My third graders wore hand-me-downs and shared toys with their siblings. Too often, the lunches served in our school cafeteria were their only hot meal each day.

For most of their families, a new pencil box or notepad was a major investment. I doubted my students would find much under their Christmas trees-if they had trees at all.

As the holidays approached, our principal announced that the Lions Club would deliver a Christmas tree to each classroom on a Monday. At the end of the week, each teacher was to choose a deserving student to take the tree home for Christmas.

When my students heard the news, their faces glowed with joy.

The Grand Delivery

Early Monday morning, we heard a knock on our classroom door. There stood a man holding the scrawniest Christmas tree I'd ever seen. The sad little sapling was already dropping needles, but my wide-eyed student didn't seem to notice.

It was obvious our shabby little sapling needed to be decorated before the children would settle down, so I suggested we begin with the string of lights I'd brought in.

Soon everyone had a job. Joey made paper circles while some of the girls drew angels for decorations.

Sammy had saved tin can covers because they resembled shiny balls. Loretta brought wads of cotton to drape over the ends of branches, and another girl had brought fluffy popcorn to be strung.

When all 30 of us agreed our tree was complete, I asked John, our class president, to plug in the lights. There were shouts of glee, and I had to agree-our little tree shimmered and glowed as if transformed by magic.

Each day that week, the students arrived early to admire their little tree. Even some moms and dads managed to come by to see it on their way to work.

A Weighty Decision

Meanwhile, I began worrying about who would take this special tree home.

Many of my student wouldn't get even one Christmas present-their parents' paychecks didn't stretch that far. This little tree could mean so much to any one of them...and, frankly, each child was deserving.

Finally, I decided to turn the problem over to the student themselves. On Thursday afternoon, I presented my idea and the children agree to decide.

continued on page 3

SAFETY QUIZ

Write down your answers and go to page 4 for the answers

- 1. If you are attacked by a stranger, in order to survive, you must**
 - A. Overpower the attacker
 - B. Distract the attacker so that you can break free and escape to safety
 - C. Go along with the attack because you can't fight someone bigger and stronger
- 2. If attacked, which question would help you escape?**
 - A. Why is this happening to me?
 - B. Is he going to rape or kill me?
 - C. What did I do wrong?
 - D. How can I get out of this situation?
- 3. The best way to avoid being selected as a victim is to**
 - A. Look around when you are walking and glance at other people
 - B. Keep to yourself and avoid looking at other people so they will leave you alone
 - C. Look at other people and smile and say, "hi"
- 4. If you are attacked, the safest thing to do is**
 - A. Make a lot of noise and call attention to the situation
 - B. Be quiet so you don't upset the attacker
 - C. Go along with the attacker's demands so that he won't hurt you
- 5. You are walking to your car in a parking lot when a suspicious stranger approaches you asking for directions. The safest thing to do is**
 - A. Scream for help
 - B. Run in the opposite direction
 - C. Hold your open hands up and yell, "back off!"
- 6. Most common place to be attacked**
 - A. Parking lot
 - B. The park
 - C. The mall
 - D. Walking down the street alone
- 7. You hear an intruder enter your home during the night when you are alone**
 - A. You call 911 and leave the line open
 - B. Get something to hit intruder with
 - C. Locate the intruder so you can identify him
 - D. Take your cordless or cell phone, get out of the house and call 911
- 8. When stopped in traffic**
 - A. Pull up as close as possible to the vehicle in front of you
 - B. Leave a couple feet between your car and the vehicle in front of you
 - C. Stay far enough behind the vehicle in front of you that you can see it's tires meet the road

I'M NOT OLD, I'M JUST MATURE

Today at the drugstore, the clerk was agent. From my purchase this chap took off 10 percent.

I asked for the cause of a lesser amount; and he answered, "Because of the Seniors Discount."

I went to McDonald's for a burger and fries; and there, once again, got quite a surprise.

The clerk poured some coffee which he handed to me. He said, "For you seniors, the coffee is free."

Understand—I'm not old—I'm merely mature; But some things are changing, temporarily, I'm sure.

The newspaper print get small each day, and people speak softer—can't hear what they say.

My teeth are my own (I have the receipt), and my glasses identify people I meet.

Oh, I've slowed down a bit—not a lot, I am sure.

You see, I'm not old—I'm only mature.

The gold in my hair has been bleached by the sun. You should see all the damage that chlorine has done. Washing my hair has turned it all white, But don't call it gray—saying "blond" is just right.

My car is all paid for—not a nickel is owed. Yet a kid yells, "Old duffer—get off of the road!"

My friends all get older—much faster than me. They seem much more wrinkled, from what I can see.

I've got "character lines, not wrinkles—for sure, But don't call me old—just call me mature.

The steps in the houses they're building today are so high that they take—your breath all away;

And the streets are much steeper than 10 years ago. That should explain why my walking is slow.

But I'm keeping up on what's hip and what's new, and I think I can still dance a mean boogaloo.

I'm still in the running—in this I'm secure, I'm not really old—I'm only mature.



Continued A Tree for the Holidays

Placing John in charge of the meeting, I left the classroom.

As I waited outside, I wondered how this puzzle would be resolved. Soon John came out and told me the class had reached a solution.

There was a hushed silence as I entered the room. Then, with a wide grin across his freckled face, John announced that every child had voted to give me the tree as my Christmas gift from them!

I'd never dreamed of this option. How could I take the children's beloved tree home when each of them was so needy?

Tears spilled from my eyes. That tree meant so much to each child, yet they were willing to give it to me. There seemed no alternative but to gratefully accept the sacrifice.

Many years have since passed. But I've never forgotten the loving little hearts behind that precious gift. Truly, I'd experienced the real meaning of Christmas.



OPEN ENROLLMENT STARTS NOVEMBER 15, 2009 FOR MEDICARE PRESCRIPTION DRUG PLANS

Open enrollment for Medicare Advantage plans and the Medicare Prescription Drug Program begins on November 15, 2009. Between now and the end of the open enrollment period, many insurance agents will engage in vigorous marketing and sales efforts.

As you know < consumer education is the key to fighting unscrupulous and illegal sales practices > Here are some simple tips that can reduce improper Medicare-related sales practices aimed at seniors.

To help protect yourself from aggressive or deceptive sales practices, please consider these tips:

Make Sure They're Licensed: Not all people marketing Medicare Advantage plans are insurance agents. If the person you are dealing with claims to be an insurance agent, contact the California Department of Insurance or visit www.insurance.ca.gov to verify license status. Insurance agents are required to print their license number on all business cards, quotations, and advertisements. Also, verify that the insurance company is licensed to do business in California.

Cold Calls Prohibited: Federal regulations prohibit "cold calls" which may take the form of uninvited sales calls, door-to-door visits, unsolicited emails, telephone calls or any other type of sales contact without your express invitation.

Be Stingy with Personal Information: Never give out personal information such as your Social Security number, bank account numbers, or credit card information over the phone. Verify that the person you are dealing with has proper authority to act on behalf of the plan before you provide your Medicare number. This is a good time to seek assistance from a trusted relative, friend or advisor.

Medicare Has No Official Sales Reps: Be wary of any salesperson who says that he/she is a Medicare representative. Medicare does not send "representatives" to solicit.

No Marketing in Educational or Care Settings: Federal regulations prohibit the marketing of Medicare products in places where health care is delivered (such as doctor's office, clinic, or pharmacy counter) or at an education event.

No Such Thing as a Free Lunch: federal regulations prohibit offers of free meals for listening to a sales presentation or for signing up in a particular plan.

Don't Let Them Oversell You: Federal regulations prohibit selling additional insurance products during any sales or marketing presentation for a Medicare Advantage or Prescription Drug Plan.

Read and Understand the Plan: Be sure that the plan that you choose matches your needs and that you can continue to see your current health care providers if you wish. It may be very difficult or even impossible to "undo" your selection later

Home Care Guide for Flu

Caring for a Person With Flu

- Have the sick person rest and stay in bed if running a fever.
- Allow the sick person to judge what bed covers are needed; when fever is high the person may feel very cold and want more blankets.
- Use fever reducers such as acetaminophen (e.g., Tylenol) or ibuprofen (e.g., Advil or Motrin); follow the package label or a doctor/nurse's direction to reduce fever, headache, and muscle, joint, or eye pain.
- Give fluids for the sick person to drink as much as he/she can.
- Give light foods as the person wants; fluids are more important than food in the first days when the fever may be highest.
- Avoid touching your eyes, nose, or mouth. Germs often spread this way.
- Have the sick person gargle; use lozenges or hard candy for a sore throat.



Get a Flu Shot!

Protect yourself. If you don't get flu vaccine, you can catch the flu and end up very sick. A flu shot cannot give you the flu. It is made from killed flu viruses. Flu



Don't Forget to Recycle on your
designated Day



Celebrate Healthy Weight Week!

January 17-23, 2010 marks Healthy Weight Week—a time to celebrate healthy lifestyles that prevent overeating and weight problems. It's a time to start living healthier and developing health-promoting habits. So, instead of going on a crash diet this New Year, speak with your doctor and develop a weight-loss plan that's best for you. After doing so, you may want to keep these tips in mind.

Ten Healthy Tips to Weight Loss:

- Weight yourself on a regular schedule.
- Eat high-fiber foods versus those high in fat.
- Instead of missing meals, eat 3-6 small meals per day to prevent getting hungry.
- Use a non-stick spray or low-calorie butter substitute instead of butter.
- Create a balanced meal plan with your health-care provider.
- Bake or broil instead of frying.
- When eating out, order from the low-fat/low-calorie "Light menus."
- Use healthy sugar substitutes as sweeteners.
- Use a small plate at mealtime.
- Eat/chew slowly and learn to stop eating before you are full.

2010 brings with it a time to start anew. Healthy weight is not about denying yourself, but about eating well, living actively, and feeling good about yourself.

Answers to Safety Quiz

1. **B** is the correct answer. Self-defense has more to do with distracting the attacker and throwing him off-guard than it does with overpowering him.
2. **D** is the correct answer. It's the only question that will assist you in coming up with an escape plan. The other two questions are things you have no control over.
3. **A** is the correct answer. You need to be looking around as you walk. Attackers need to see you notice them so they can realize that you would be able to identify them.
4. **A** is the correct answer. Attackers look for the path of least resistance, weak victims. The more noise you make, the more afraid he is that he would get caught and he will be more likely to leave and wait for a weaker victim.
5. **C** is the correct answer. Show the attacker you are not afraid to make a scene and fight back. Be the path of MOST resistance! Running in the opposite direction is also a good choice.
6. **A** is the correct answer. Parking lots are the most common places to be attacked.
7. **D** is the correct answer. Get out of the house immediately. Don't waste time making a phone call from inside the house.
8. **C** is the correct answer. This will allow you enough room to maneuver if someone approaches your vehicle or if there is an emergency.

What do you know about your fellow Kerman Senior Center Seniors?

Pauline Corcoran—Has a Secret Pal

Marie Hurlbert—Volunteered as her church secretary at the United Methodist Church in the 1960's

Mrs. Tostie—Has one daughter and two granddaughters

Vacillo Reyes—Retired as a Farm Labor and has two daughters and 6 grandchildren

Mr. & Mrs. Lara - have been married for 45 years

Yolanda Taylor—Worked in the Library, and 5 & 10 Store in the 1930's and 1940's in Madera

Chuck Cox—worked for the County as a heavy equipment operator

Sandra Miller—Was a Foster Parent for 25 years in Washington and Oregon

Kerman Senior Center Staff 846-8643

Philip Gallegos - Director
Nancy Moore - Senior Services Coordinator
Barbara Arredondo—Transportation Coordinator
Judy Wright - Nutrition Coordinator
Carmen Acosta - AARP Nutrition



Grandpa Says:

A foolish husband says to his wife, "Honey you stick to the washin', ironin, cookin', and scrubbing'. No wife of mine is gonna work."



KERMAN SENIOR CENTER

The Senior Center opened in February 1979 and is located on the northeast corner of 8th and "D" Streets. Our building consists of an arts and crafts/bingo room, library, dining room, and kitchen. Our purpose is to serve and assist local seniors.

The Kerman Senior Center provides persons 60 years of age and older with the opportunities and services, including information relating to assistive technology, available to them within the community. Our program is able to assess the problems and capacities of each individual and to link them to the opportunities and services available to ensure (to the extent practical) that they receive the services they need and are aware of the various opportunities available.

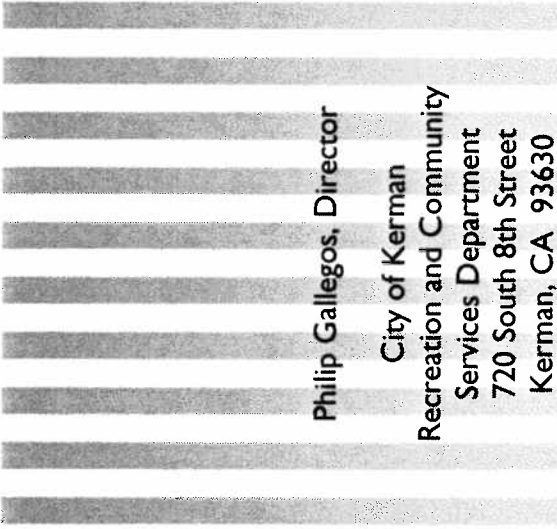


Nancy Moore
Senior Services Coordinator
Kerman Senior Center

Telephone 559-846-9329

Fax 559-842-5217

Email nmoore@cityofkerman.org



Philip Gallegos, Director
City of Kerman
Recreation and Community
Services Department
720 South 8th Street
Kerman, CA 93630

Partially funded by Fresno-Madera Area
Agency on Aging (FMAAA)
1-800-510-2020

City of Kerman

SENIOR CENTER

Hours

8:00 a.m. to 5:00 p.m.

720 South 8th Street
Kerman, CA 93630

Telephone 559-846-8643
Fax 559-842-5217

*Creating Community
through People, Parks,
and Programs*

SENIOR EVENTS

Daily Activities
Information & Assistance
Hot Meal (Lunch)
Exercise
Homebound Meals for Seniors
Arts and Crafts Wednesday
Bingo Tuesday, Thursday and Friday
Free Movie Wednesday with Popcorn
Local Food Bank (Salvation Army)
Water Aerobics — Kearney Palms
Apartments
Wii
Billiards
Monthly Activities
Trips
Presentations on topics of resource
Birthday Party
Shopping (Fresno)
Fundraisers
Blood Pressure Check
Hearing and Eye Screening twice a year
HICAP
Commodities
Annual Activities
Flu Shots and Health Fair (Fresno County Health Department)
Thanksgiving Dinner (Salvation Army)
Holiday Dinner (Fresno County Fire Chiefs Association)
Retired and Senior Volunteer Program Awards Luncheon

Celebration of Living and Luncheon (Fresno-Madera Area Agency on Aging)
Volunteer Recognition and Senior Citizens Prom
Senior Companion Awards Luncheon
Cinco De Mayo Celebration
Memorial Day Celebration
Fourth of July Celebration
Valentine Celebration
Easter Bonnet Parade
Halloween Party
Labor Day Luncheon
Memorial Day Luncheon
Mexican Independence Day Celebration
Homeowner & Renters Rebate
Quarterly Newsletter

PROGRAMS

Senior Reach provides assistance in evaluating older adult's needs and provides information on community resources. An Outreach Worker will offer assistance during a telephone consultation or an in-home visit.

Senior Nutrition provides a hot lunch for persons 60 and older at the Senior Center, Monday through Friday. Lunch is served at 11:00 a.m. with reservations made one day in advance by contacting the Nutrition Coordinator at 846-9330. Homebound meals are also available for individuals unable to leave their homes due to illness or disability.

Senior Companion is a volunteer program for persons 60 and older who, for a stipend, provide care-giving services to seniors who are considered at-risk.

Senior Companions serve seniors by reading to them, walking and listening to them, arranging transportation, and helping with meal preparation. Senior Companions advocate and provide emotional support.

Retired and Senior Volunteer Program (RSVP) is a program for persons 55 and over to share their life experiences and skills to answer the call of neighbors in need.

Giving anywhere from four to ten hours per week, volunteers put their experiences to work by solving problems close to home. By teaching children and adults to read, tutoring and mentoring children, counseling small businesses, assisting at health clinics, teaching other seniors how to use the internet, distributing food to local homeless, creating a recycling program, or providing much needed support to nonprofit agencies. RSVP volunteers are make their communities stronger.

Homeowners & Renters Rebate is a program that provides free assistance in preparing homeowner's assistance, renter assistance, or property tax postponement claim forms to U.S. citizens or designated aliens; 62 or older, blind, or disabled. This service is offered July through the month of October.



**Kerman Senior Center
Annual Holiday Celebration**

Friday December 11, 2009

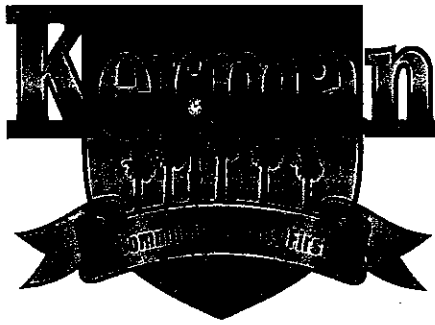
11:00 am

**Community Teen Center
15101 W. Kearney Plaza**

Please RSVP by December 7, 2009

by calling the Senior Center

at 846-8643



NOTICE AND ORDER TO ABATE NUISANCE TREE

Olivia Guadalupe Valdivia
Paulina Etal Lopez
256 Gambier St.
San Francisco, Ca. 94134

Regarding your property at **14855 West "B" St. Kerman, California**
Fresno County Assessors Parcel Number APN: **023-216-01s**

Please Take Notice that the City of Kerman has inspected the above-described real property and the structures located there (the "Property") The Fresno County Assessor's rolls show you to be the owner of the Property.

The City of Kerman has determined on the basis of viewing the property from a public place that one or more nuisance Cottonwood Trees is growing on your property and has caused damage and will continue to cause damage to the City's sewer lines and other public facilities in the City of Kerman's adjacent alley right of way.

Pursuant to Kerman Municipal Ordinance Section 12.20.060 Prohibited trees:

A. It is unlawful to plant in any public parking strip the following trees: Acacia, Black Walnut, Eucalyptus, Elm, Palm, Poplar, Tree of Heaven, Conifers, and Sycamore.

B. It is unlawful to plant Willow, Cottonwood or Poplar trees anywhere in the city unless the superintendent of streets approves the site as one where the roots will not interfere with a public sewer. (Ord. 75 §5, 1955).

Pursuant to Kerman Municipal Ordinance Section 12.20.050, the Cottonwood tree or trees growing on your property are endangering the security or usefulness of any public street, sewer, sidewalk, or the full and safe operation of public utility wires, and is declared to be a public nuisance.

You are hereby ordered to remove any such tree on your property. Your failure to remove such tree after fifteen days' notice by the superintendent of streets shall be deemed a violation of this chapter, and the superintendent of streets may then remove or trim the tree.

If the tree or trees have not been removed within 15 days of the date of this notice, the City Council will hold a hearing regarding this matter in the Council Chambers at 850 South Madera Avenue, Kerman, California at 6:30 p.m. on Wednesday, December 2, 2009. You may appear at the hearing and present any relevant evidence or testimony that you wish.

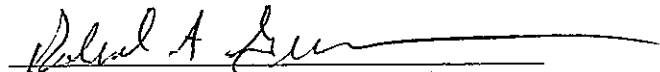
The city council shall hear and consider all objections or protests, if any, to the proposed removal of the declared nuisance and may continue the hearing from time to time. Upon the conclusion of the hearing, the city council by motion or resolution shall allow or overrule any or all objections, whereupon the city council shall be deemed to have acquired jurisdiction to proceed and perform the work of removal, and the decision of the city council on the matter shall be deemed final and conclusive.

After final action has been taken by the city council on the disposition of any protests or objections, or in case no protests or objections have been received, the city council, by motion or resolution, shall order the city engineer or such other public officer as the city council may designate, to abate the nuisance by any reasonable method, and he and his assistants or deputies are authorized to enter upon private property for that purpose. Any property owner shall have the right to have any declared nuisance removed at his own expense, providing the same is done, prior to the arrival of the city engineer or such other public officer so designated or his representatives to do the same.

If the City is required to arrange for the removal of the trees, the costs of such removal will be assessed against you and may become a lien against your property pursuant the abatement procedures set forth in Chapter 14.01 of the Kerman Municipal Code.

If you have questions regarding this matter you may reach me by telephone at (559) 846-6121.

Dated:


Robert Gruce, Superintendent of Streets
City of Kerman

Cc: Renee Holdcroft, City Clerk
Ron Manfredi, City Manager
Mark A. Blum, City Attorney's Office

Attachments: Proof of Service via Certified Mail, Return Receipt Requested and Posting on Property.

**KERMAN CITY COUNCIL
COUNCIL MEETING**

**November 18, 2009 – Regular Meeting
6:30 PM**

MINUTES

**Kerman City Hall
850 S. Madera Avenue
Kerman, CA 93630**

City Council: Mayor Trinidad M. Rodriguez, Council Members: Richard Stockwell, Raj Dhaliwal, Jack Sidhu, Charlie Jones

City meetings are intended to be accessible to all persons. Please let us know if you require any accommodation to allow you to access and participate in this meeting. For assistance, please call (559) 846-9380 two days prior to the meeting.

Materials related to an item on this agenda that are public documents and are submitted after distribution and posting of the agenda are available for public inspection in the City Clerk's office at 942 South Madera Avenue, Kerman, during normal business hours. Documents that are public documents provided by others during a meeting will be available at the same location during business hours after the meeting.

Present: Mayor Rodriguez, Councilmember's Dhaliwal, Sidhu, Jones, Stockwell	
Absent: Dhaliwal (Mayor Rodriguez to arrive at a later time)	
Also Present: City Manager, City Attorney, Planning and Development Director, Public Works Director, Finance Director and Chief of Police	
	Voting Key: Yes, No, Absent (Abstain if necessary)
WELCOME - Mayor Pro-Tem Stockwell	
CALL TO ORDER	6:32
ROLL CALL - Deputy City Clerk	Present: RS, CJ, JS, Absent: RJ Late: TR
INVOCATION - As Offered	
At this time the Council wishes to provide anyone an opportunity to provide a brief invocation or inspirational thought. In accordance with law, we would request only that this opportunity not be used to recruit converts, or to advance any one, or to disparage any other faith or belief. If no one steps forward, we will observe a moment of silence so that we may all focus our thoughts on how best to serve our community.	
PLEDGE OF ALLEGIANCE – Deputy City Clerk	presented
1. AGENDA APPROVAL	CJ/JS
2. PRESENTATIONS/COMMENDATIONS	
2.A Swearing in of Reserve Officers, Eric Antuna and Kenny Kaye [WWN]	presented
Recommendation: Council accept and welcomes new Reserve Officers Eric Antuna and Kenny Kaye.	

2.B PG&E Check Presentation: "Kerman Kids Play Nature Park". [PG]	presented
Recommendation: City Council accept the generous PG&E donation.	
REQUEST TO ADDRESS COUNCIL	
This portion of the meeting is reserved for members of the public to address the Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. It is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Council on items on the Agenda should notify the Mayor when that Agenda item is called, and the Mayor will recognize your discussion at that time. It should be noted that the Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Speakers are asked to please use the microphone, and provide their name and address.	
3. PUBLIC HEARINGS / PUBLIC MEETING – 6:30 p.m.	
4. CONSENT CALENDAR (Items that are not pulled from the Consent Calendar are approved by a single motion.)	Approved CJ/JS 3-0 Absent RJ/TR
4.A Approval of Minutes: 11/4/2009	
4.B Payroll Report: Report: October 18, 2009 - October 31, 2009: \$112,363.33; Overtime: \$3,949.20; Standby & FTO: \$786.31; Retro Pay; \$423.00; Comp Time Earned: 9.0	
4.C Warrants: Nos. 59490 - 29546 \$50,541.35	
4.D Investment Report for the Month Ending October 31, 2009 [TLP]	
<i>A copy of the 10/31/09 Investment Report is attached for Council to review. Staff would be happy to answer questions, if Council should have any.</i>	
Recommendation: Council approve the City of Kerman and Kerman RDA Investment Report, as presented.	
5. PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AGREEMENTS, ETC	None
6. WRITTEN COMMUNICATIONS	
7. ADMINISTRATIVE REPORTS	
7.A California FIRST Pilot Program and Grant Application [RM]	presented
Recommendation: Council Approve City of Kerman Letter of Commitment Participation in California FIRST Pilot Program and Grant Application	Approved CJ/JS 3-0 Absent RJ/TR

7.B Model Water Efficient Landscape Ordinance (AB 1881; Chapter 559, California Water Code) [RM]	Presented
<u>Recommendation:</u> That the City Council considers the following actions:	
1. Adopt the Model Water Efficiency Landscape Ordinance prepared by the California Department of Water Resources;	
2. Direct staff to develop a local Water Efficiency Landscape Ordinance that is as effective in achieving water use efficiency as the state's model ordinance without resulting in high costs and hardships for residents and builders. This may require adopting the State Model and later amending such	
3. Allow the State Model Water Efficiency Landscape Ordinance to go into effect, but either enforce it in a limited fashion or do not enforce it all.	
Actions 1 or 2 would require staff to come back to Council with actual Ordinance Introduction, Public Hearing and second reading etc.	
8. COUNCIL REPORTS	
8.A Mayor's Report	
1. City of Kerman Holiday Party - December 5, 2009	
2. Pageantry of Lights Parade - December 12, 2009 - 6 pm	
8.B Council Members' Reports	
MEETING RECESSED FOR COUNCIL TO CONVENE AS THE REDEVELOPMENT AGENCY	7:21
THE MEETING WAS RECONVENED TO THE CITY COUNCIL	
COUNCIL ADJOURN INTO CLOSED SESSION	7:25
Mayor Rodriguez arrived at the meeting	7:25

9. CLOSED SESSION	
9.A Closed Session pursuant to Government Code Section 54957: Public Employee Performance Evaluation - Title: Wastewater Treatment Plant Operator I	
9.B Closed Session pursuant to Government Code Section 54957.6: Conference with Labor Negotiators; Agency designated representatives: City Manager, Ron Manfredi. Employee organization: City of Kerman Miscellaneous Employee Group	
9.C Closed Session pursuant to Government Code Section 54956.8, Conference with Real Property Negotiator; Property: Portion of NE Quarter, Section 18, Township 14 South, Range 18 East, 1 acre, more or less, adjacent to San Joaquin Valley RR Right-of-way. Negotiating Parties: City Manager, Ron Manfredi for City and Josephine H. McClain and others for Property Owner. Under Negotiation: Price and Terms.	
COUNCIL RECONVENE FROM CLOSED SESSION	8:25
10. ADJOURNMENT	8:25

MINUTES CERTIFICATION

I, L. RENEE HOLDCROFT, City Clerk for the City of Kerman, do hereby declare under penalty of perjury that the above Minutes are a true depiction of all actions taken at the City Council meeting held on the first date above written at Kerman Community/Teen Center, 15101 Kearney Plaza, Kerman CA.

Date

Marci Reyes
Deputy City Clerk

CITY OF KERMAN PAYROLL REPORT

AGENDA ITEM 4.B.1

PAY PERIOD: November 01, 2009 - November 14, 2009

EMPLOYEE	SALARY	RETRO PAY	OVER TIME		STANDBY & FTO		GROSS SALARY	COMP TIME EARNED
			HOURS	AMOUNT	HOURS	AMOUNT		
<u>ADMINISTRATION</u>								
2 Manfredi, Ron	\$ 5,192.31	\$ -	-	\$ -	-	\$ -	\$ 5,192.31	
15 Gonzalez, Diana	\$ 1,747.85	\$ -	-	\$ -	-	\$ -	\$ 1,747.85	
87 Madruga, Lydia	\$ 1,966.15	\$ -	-	\$ -	-	\$ -	\$ 1,966.15	6.00
299 Przybyla, Tim	\$ 3,354.00	\$ -	-	\$ -	-	\$ -	\$ 3,354.00	
332 Alvarez, Josefina	\$ 1,249.85	\$ -	-	\$ -	-	\$ -	\$ 1,249.85	0.75
350 Jones, Toni	\$ 1,401.71	\$ -	-	\$ -	-	\$ -	\$ 1,401.71	
359 Holdcroft, Renee	\$ 2,832.46	\$ -	-	\$ -	-	\$ -	\$ 2,832.46	
375 Reyes, Marcia	\$ 813.50	\$ -	-	\$ -	-	\$ -	\$ 813.50	
435 Nazaraff, Hellen	\$ 387.34	\$ -	-	\$ -	-	\$ -	\$ 387.34	
61 Gonzales, Matilda	\$ 512.00	\$ -	-	\$ -	-	\$ -	\$ 512.00	
TOTAL	\$ 19,457.16	\$ -	-	\$ -	-	\$ -	\$ 19,457.16	6.75
<u>REC/SOCIAL</u>								
11 Gallegos, Philip	\$ 3,293.08	\$ -	-	\$ -	-	\$ -	\$ 3,293.08	
76 Wright, Judy	\$ 1,365.23	\$ -	-	\$ -	-	\$ -	\$ 1,365.23	
97 Gonzalez, Jose Felix	\$ 1,475.54	\$ -	8.00	\$ 221.33	-	\$ -	\$ 1,696.87	
233 Moore, Nancy	\$ 1,858.15	\$ -	-	\$ -	-	\$ -	\$ 1,858.15	
237 Salvador, Mark	\$ 1,766.31	\$ -	-	\$ -	-	\$ -	\$ 1,766.31	
431 Laurissa, Gallardo	\$ 1,383.69	\$ -	-	\$ -	-	\$ -	\$ 1,383.69	
361 Lujan, Vanessa	\$ 253.75	\$ -	-	\$ -	-	\$ -	\$ 253.75	
270 Zepeda, Adriana	\$ 144.38	\$ -	-	\$ -	-	\$ -	\$ 144.38	
292 Silva, Jessica	\$ 518.00	\$ -	-	\$ -	-	\$ -	\$ 518.00	
388 Arredondo, Michelle	\$ 156.00	\$ -	-	\$ -	-	\$ -	\$ 156.00	
TOTAL	\$ 12,214.13	\$ -	\$ 8.00	\$ 221.33	-	\$ -	\$ 12,435.46	0.00
<u>POLICE</u>								
29 Rodrigues, Mary	\$ 760.98	\$ -	-	\$ -	-	\$ -	\$ 760.98	
59 Madruga, Ron	\$ 2,850.92	\$ -	-	\$ -	-	\$ -	\$ 2,850.92	
69 Chapman, Tom	\$ 2,167.85	\$ -	-	\$ -	-	\$ -	\$ 2,167.85	
73 Collins, Kirk	\$ 2,936.31	\$ -	-	\$ -	-	\$ -	\$ 2,936.31	
74 Newton, William	\$ 4,148.31	\$ -	-	\$ -	-	\$ -	\$ 4,148.31	
101 Cubillos, Teresa	\$ 2,390.31	\$ -	-	\$ -	-	\$ -	\$ 2,390.31	
245 Barbosa, Isaias	\$ 2,167.85	\$ -	6.00	\$ 243.88	-	\$ -	\$ 2,411.73	
278 Deo, Gurdeep	\$ 2,289.69	\$ -	-	\$ -	-	\$ -	\$ 2,289.69	
291 Ramirez, Donald	\$ 1,691.08	\$ -	3.00	\$ 95.12	-	\$ -	\$ 1,786.20	
296 Mendoza, Sandra	\$ 1,740.92	\$ -	-	\$ -	-	\$ -	\$ 1,740.92	3
307 Gaxiola, Ronald	\$ 2,064.46	\$ -	-	\$ -	18.00	\$ 11.61	\$ 2,076.07	
343 Davis, Jeff	\$ 2,344.62	\$ -	-	\$ -	-	\$ -	\$ 2,344.62	
354 Lee Ness	\$ 1,909.85	\$ -	-	\$ -	-	\$ -	\$ 1,909.85	
363 Wilbert Barcoma	\$ 1,929.23	\$ -	8.00	\$ 289.38	-	\$ -	\$ 2,218.62	
369 Joseph Ramer	\$ 1,124.77	\$ -	-	\$ -	-	\$ -	\$ 1,124.77	
380 Scott Armstrong	\$ 1,698.46	\$ -	2.00	\$ 63.69	-	\$ -	\$ 1,762.15	
402 James W Nevis	\$ 2,005.38	\$ -	-	\$ -	-	\$ -	\$ 2,005.38	
413 Peter Magallon	\$ 1,740.92	\$ -	1.50	\$ 48.96	-	\$ -	\$ 1,789.89	
425 Jeff Belding	\$ 1,698.46	\$ -	-	\$ -	8.00	\$ 42.46	\$ 1,740.92	
TOTAL:	\$ 39,660.37	\$ -	20.50	\$ 741.05	26.00	\$ 54.07	\$ 40,455.49	3.00

CITY OF KERMAN PAYROLL REPORT

AGENDA ITEM 4.B.1

PAY PERIOD: November 01, 2009 - November 14, 2009

EMPLOYEE	SALARY	RETRO PAY	OVER TIME		STANDBY & FTO		GROSS SALARY	COMP TIME EARNED
			HOURS	AMOUNT	HOURS	AMOUNT		
<u>PUBLIC WORKS</u>								
8 Gonzales, Ruben	\$ 1,842.92	\$ -	-	\$ -	-	\$ -	\$ 1,842.92	
20 Rodriguez, Joe	\$ 1,798.15	\$ -	6.50	\$ 219.15	-	\$ -	\$ 2,017.30	
25 Prieto, Ruben	\$ 1,615.38	\$ -	-	\$ -	-	\$ -	\$ 1,615.38	
26 Gruce, Robert	\$ 2,382.00	\$ -	-	\$ -	-	\$ -	\$ 2,382.00	
27 Hearld, Douglas	\$ 2,570.77	\$ -	-	\$ -	-	\$ -	\$ 2,570.77	
134 Ramirez, Manuel	\$ 1,613.08	\$ -	-	\$ -	2.25	\$ 45.37	\$ 1,658.44	
172 Chavez, Fernando M.	\$ 1,793.54	\$ -	3.00	\$ 100.89	19.50	\$ 437.18	\$ 2,331.60	
290 Gastelum, Humberto	\$ 1,676.31	\$ -	-	\$ -	-	\$ -	\$ 1,676.31	
298 Barajas, Michael	\$ 1,515.23	\$ -	-	\$ -	-	\$ -	\$ 1,515.23	
322 Castro, Joseph	\$ 1,511.08	\$ -	6.50	\$ 184.16	-	\$ -	\$ 1,695.24	
330 Gamez, Jesus	\$ 1,573.85	\$ -	2.00	\$ 59.02	-	\$ -	\$ 1,632.87	
349 Sidhu, Nirmal	\$ 1,308.46	\$ -	-	\$ -	-	\$ -	\$ 1,308.46	
405 Hodges, Thomas	\$ 1,186.62	\$ -	-	\$ -	-	\$ -	\$ 1,186.62	
378 Sanchez, Daniel	\$ 1,246.15	\$ -	13.00	\$ 358.27	23.25	\$ 362.16	\$ 1,966.59	
389 Moore, Ken	\$ 3,495.69	\$ -	-	\$ -	-	\$ -	\$ 3,495.69	
329 Arechiga, Pastor	\$ 1,308.46	\$ -	-	\$ -	-	\$ -	\$ 1,308.46	
418 Medeiros, Cheryl	\$ 1,554.00	\$ -	-	\$ -	-	\$ -	\$ 1,554.00	
TOTAL	\$ 29,991.69	\$ -	31.00	\$ 921.49	45.00	\$ 844.71	\$ 31,757.89	
<u>PLANNING</u>								
37 Pimentel, Olivia	\$ 2,063.54	\$ -	-	\$ -	-	\$ -	\$ 2,063.54	
234 Kufis, Chris	\$ 2,035.38	\$ -	-	\$ -	-	\$ -	\$ 2,035.38	
326 Fonseca, Monica	\$ 1,246.15	\$ -	-	\$ -	-	\$ -	\$ 1,246.15	
379 Zapata, Domingo	\$ 1,482.46	\$ -	-	\$ -	-	\$ -	\$ 1,482.46	
414 Patlan, Luis	\$ 3,768.00	\$ -	-	\$ -	-	\$ -	\$ 3,768.00	
TOTAL	\$ 10,595.54	\$ -	-	\$ -	-	\$ -	\$ 10,595.54	0.00
<u>PLANNING</u>			<u>COUNCIL</u>					
Arabian, M	\$ -		Rodriguez	\$ 125.00				
Epperson, R	\$ -		Stockwell	\$ 125.00				
Felker, R	\$ -		Dhaliwal	\$ 125.00				
Nehring, K	\$ -		Sidhu	\$ 125.00				
Garcia, L	\$ -		Jones	\$ 125.00				
Lopez, Michael	\$ -							
Bandy, Robert	\$ -							
Total	\$ -		Total	\$ 625.00				
GRAND TOTAL:	\$112,543.88	\$0.00	59.50	\$1,883.86	71.00	\$898.78	\$115,326.52	9.75

Run date: 11/24/2009 @ 08:25
 Bus date: 11/24/2009

City of Kerman
 Check - Complete Detail

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Name / Obligat'n	Description	Net amount	Invoice number	PO number
29547- 1546	1	11/13/2009	1020 AFLAC				
	1		39767	*C VOLUNTARY INS 12/1/09	123.84	575869	
29547- 1546	1	11/13/2009	Logged	*** Total ***	123.84		
29548- 1546	2	11/13/2009	** unused **				
29549- 1546	3	11/13/2009	1031 ALERT O LITE				
	3		39748	MESH VESTS/RAINCOAT/EXP JOINTS	166.87	0372000	
	3		39749	RAINSUIT/ORANGE	13.18	0371634	
	3		39750	CREDIT MEMO	-13.18	0372002	
	3		39751	RAINSUIT/ORANGE - BOOTS	32.31	0371621	
	3		39752	RAINSUIT/ORANGE - BOOTS	32.31	371622	
	3		39753	RAINSUIT/ORANGE - BOOTS	32.31	0371623	
	3		39754	RAINSUIT/ORANGE - BOOTS	32.31	0371624	
	3		39755	RAINSUIT/YELLOW	13.18	0371625	
	3		39756	RAINSUIT/YELLOW	13.18	0371626	
	3		39757	RAINSUIT/ORANGE	13.18	0371627	
	3		39758	RAINSUIT/YELLOW	13.18	0371630	
	3		39759	RAINSUIT/ORANGE - BOOTS	32.31	0371628	
	3		39760	RAINSUIT/YELLOW	13.18	0371629	
	3		39761	RAINSUIT/ORANGE	13.18	0371631	
	3		39762	RAINSUIT/ORANGE - BOOTS	32.31	0371632	
	3		39763	RAINSUIT/ORANGE - BOOTS	32.31	0371633	
	3		39764	RAINCOAT/YELLOW	13.18	0371635	
	3		39765	GLOVES/VEST/HARD HAT/SAFETY GL	33.93	0371702	
29549- 1546	3	11/13/2009	Logged	*** Total ***	519.23		
29550- 1546	4	11/13/2009	4022 CALIFORNIA DEPT OF PUBLIC HEAL				
	4		39724	SB1722 RECYC WATER FEE FY08-09	542.39	109006-0990125	
29550- 1546	4	11/13/2009	Logged	*** Total ***	542.39		
29551- 1546	5	11/13/2009	3237 CNOA VII				
	5		39742	REG/CHASING PHONES	45.00	BARBOSA	
29551- 1546	5	11/13/2009	Logged	*** Total ***	45.00		
29552- 1546	6	11/13/2009	4998 ELECTRONIC DATA SOLUTIONS				
	6		39768	ARCGIS ARCVIEW 9.3 MAPPING SOF	1,649.36	1502	
29552- 1546	6	11/13/2009	Logged	*** Total ***	1,649.36		
29553- 1546	7	11/13/2009	5061 FACILITY DESIGNS				
	7		39719	4 ASIDE CHAIRS/FINANCE OFFICES	647.00	50% DEP	
29553- 1546	7	11/13/2009	Logged	*** Total ***	647.00		
29554- 1546	8	11/13/2009	6019 FORENSIC NURSE SPECIALISTS, IN				
	8		39734	SEXUAL ASSAULT EXAM 09-1863	900.00	967	
29554- 1546	8	11/13/2009	Logged	*** Total ***	900.00		
29555- 1546	9	11/13/2009	6042 FRESNO CITY COLLEGE				
	9		39733	ENROLLMENT/DRUG INF/ARMSTRONG	63.00		
29555- 1546	9	11/13/2009	Logged	*** Total ***	63.00		
29556- 1546	10	11/13/2009	6056 FRESNO COUNTY TREASURER				

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Name / Obligat'n Description	Net amount	Invoice number	PO number
	10		39735 RMS/JMS FEE OCT 2009	164.08	S06737	
	10		39736 DISPATCHING FEES NOV 09	10,454.24	S06736	
29556- 1546	10	11/13/2009	Logged *** Total ***	10,618.32		
29557- 1546	11	11/13/2009	6074 FRESNO IRRIGATION DISTRICT			
	11		39728 1ST ASSESSMENTS 2009/2010	3,261.77	FY 09/10 ASSESS	
29557- 1546	11	11/13/2009	Logged *** Total ***	3,261.77		
29558- 1546	12	11/13/2009	8000 H & J CHEVROLET INC			
	12		39769 ALIGNMENT / VEH 1371	59.50	CTCS78102	
	12		39770 SHOE SET/PAD KIT VEN 1393	217.85	16953	
29558- 1546	12	11/13/2009	Logged *** Total ***	277.35		
29559- 1546	13	11/13/2009	10028 HENRY, LOGOLUSO, & BLUM			
	13		39721 LEGAL SERVICES OCT 2009	3,602.00	16278-16299	
29559- 1546	13	11/13/2009	Logged *** Total ***	3,602.00		
29560- 1546	14	11/13/2009	11027 KERMAN PARTS SALES			
	14		39725 MISC PARTS/SUPPLIES OCT 09	800.53	2100 10/24/09	
29560- 1546	14	11/13/2009	Logged *** Total ***	800.53		
29561- 1546	15	11/13/2009	11004 KERMAN POLICE OFFICERS ASSOCIA			
	15		39738 10 PATCHES/NEW EMPLOYEES	20.00	09-00001	
29561- 1546	15	11/13/2009	Logged *** Total ***	20.00		
29562- 1546	16	11/13/2009	11082 KIMBALL MIDWEST			
	16		39743 THREADLOCK/PROTECTANT	225.56	1157590	
29562- 1546	16	11/13/2009	Logged *** Total ***	225.56		
29563- 1546	17	11/13/2009	13081 MID VALLEY DISPOSAL, INC			
	17		39730 SOLID WASTE CONTRACT OCT 09	59,001.89	OCT 09	
29563- 1546	17	11/13/2009	Logged *** Total ***	59,001.89		
29564- 1546	18	11/13/2009	18076 MONIA RODRIGUEZ			
	18		39740 BLOOD DRAW 10/30/09	100.00	09-2065	
	18		39741 BLOOD DRAW 11/1/09	100.00	09-2074	
29564- 1546	18	11/13/2009	Logged *** Total ***	200.00		
29565- 1546	19	11/13/2009	15010 OFFICE DEPOT CREDIT ACCOUNT			
	19		39744 INVOICE BALANCE/11/4/09	310.28	11/4/09	
29565- 1546	19	11/13/2009	Logged *** Total ***	310.28		
29566- 1546	20	11/13/2009	16025 P.G.& E.			
	20		39726 MO SVC CITY HALL 10/2/09-11/2/	1,216.98	6825025396 11/9	
	20		39766 MO SVC WELL 17 10/9/09-11/5/09	2,774.82	0984020411	
29566- 1546	20	11/13/2009	Logged *** Total ***	3,991.80		
29567- 1546	21	11/13/2009	18013 RICHARD STAGGS			
	21		39746 9 YDS CONCRETE/719 MADERA AVE	900.00	11/5/09	
	21		39747 7.5 YDS CONCRETE/661 MADERA AV	750.00	10/30/09	
29567- 1546	21	11/13/2009	Logged *** Total ***	1,650.00		

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Name / Obligat'n Description	Net amount	Invoice number	PO number
29568- 1546	22	11/13/2009	11053 SEBASTIAN			
	22		39739 T-1 LINE OCT 09	397.52	996-0012	11/09
29568- 1546	22	11/13/2009	Logged	*** Total ***	397.52	
29569- 1546	23	11/13/2009	19064 SMITH AUTO			
	23		39745 MISE PARTS/SUPPLIES	2,651.56	10/31/09	C3990
29569- 1546	23	11/13/2009	Logged	*** Total ***	2,651.56	
29570- 1546	24	11/13/2009	19094 SPCA			
	24		39732 13 AMIMALS/SEPTEMBER 09	195.00	SEPT 09	
29570- 1546	24	11/13/2009	Logged	*** Total ***	195.00	
29571- 1546	25	11/13/2009	19079 SPITZER'S SOUND STAGE			
	25		39722 25' VGA CABLE	61.03	1040	
29571- 1546	25	11/13/2009	Logged	*** Total ***	61.03	
29572- 1546	26	11/13/2009	19895 TECHDEPOT			
	26		39720 UPGRADE RAM/PRZYBYLA	93.48	8091018690V1	
29572- 1546	26	11/13/2009	Logged	*** Total ***	93.48	
29573- 1546	27	11/13/2009	23048 WORKINGARTS MARKETING, INC			
	27		39723 WEBSITE MAINT/UPDATE/HOST OCT	95.00	1760	
29573- 1546	27	11/13/2009	Logged	*** Total ***	95.00	
29574- 1546	28	11/13/2009	24002 XEROX CORPORATION			
	28		39731 MO LEASE BLDG / OCTOBER 09	101.85	044104841	
	28		39737 MONTHLY LEASE/PD/ OCTOBER 09	250.93	044104843	
29574- 1546	28	11/13/2009	Logged	*** Total ***	352.78	
29575- 1548	1	11/23/2009	1012 A.V.R.,INC.			
	1		39782 UVISION ONLINE MO ACCESS - DEC	250.00	19600	
29575- 1548	1	11/23/2009	Logged	*** Total ***	250.00	
29576- 1548	2	11/23/2009	1038 ADMINISTRATIVE SOLUTIONS, INC			
	2		39823 BLUE SHIELD MED CLAIMS DEC 09	7,500.00	B/S 12/01/09	
	2		39824 DENTAL CLAIMS FUNDING /COBRA D	41.05	DENTAL 12/1/09	
	2		39825 DENTAL CLAIMS FUNDING DEC 09	4,191.79	DENTAL CL 12/09	
	2		39826 BLUE SHIELD MED PLAN ADMIN DEC	600.00	B/S ADMIN 12/09	
	2		39827 KAISER MED CLAIMS FUNDING DEC	2,475.00	KMED CL 12/09	
	2		39828 KAISER MED PLAN ADMIN DEC 09	240.00	K MED PL 12/09	
29576- 1548	2	11/23/2009	Logged	*** Total ***	15,047.84	
29577- 1548	3	11/23/2009	1075 ARCO BUSINESS SOLUTIONS			
	3		39818 FUEL CITY HEV/10/16-11/15/09	3,077.30	FJ373 11/09	
29577- 1548	3	11/23/2009	Logged	*** Total ***	3,077.30	
29578- 1548	4	11/23/2009	2053 BLUE SHIELD OF CALIFORNIA			
	4		39830 GROUP MEDICAL/COBRA INS DEC 09	22,339.00	12/01/09	
29578- 1548	4	11/23/2009	Logged	*** Total ***	22,339.00	
29579- 1548	5	11/23/2009	2037 BOGIE'S PUMP SYSTEMS			
	5		39806 REBUILD T-6 PUMP/HEADWORKS	2,894.59	6469	

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Obligat'n	Name / Description	Net amount	Invoice number	PO number
29579- 1548	5	11/23/2009	Logged	*** Total ***	2,894.59		
29580- 1548	6	11/23/2009		3230 CALIFORNIA ASSOCIATION OF CODE			
	6			39845 MEMBERSHIP DUES / ZAPATA	75.00	1024992	
29580- 1548	6	11/23/2009	Logged	*** Total ***	75.00		
29581- 1548	7	11/23/2009		19130 CALIFORNIA STATE DISBURSEMENT			
	7			39841 *C WAGE ASSIGNMENT 0192596302-	184.62	P/D 11/20/09	
	7			39842 *C WAGE ASSIGNMENT 0195023686-	499.00	P/D 11/20/09	
29581- 1548	7	11/23/2009	Logged	*** Total ***	683.62		
29582- 1548	8	11/23/2009		3081 CHILDS AND COMPANY, INC.			
	8			39811 CLOSER/VIEWER - CITY HALL BACK	181.61	81776	
29582- 1548	8	11/23/2009	Logged	*** Total ***	181.61		
29583- 1548	9	11/23/2009		6082 CITY OF FRESNO WMD			
	9			39785 LAB SERVICES	124.50	K092309	
	9			39786 LAB SERVICES	165.00	K100709	
	9			39787 LAB SERVICES	120.00	K101409	
29583- 1548	9	11/23/2009	Logged	*** Total ***	409.50		
29584- 1548	10	11/23/2009		3023 CLEANSTREET			
	10			39796 MONTHLY SWEEP FEE OCT 09	6,439.23	58559	
29584- 1548	10	11/23/2009	Logged	*** Total ***	6,439.23		
29585- 1548	11	11/23/2009		3102 COOKS COMMUNICATIONS			
	11			39797 RADIO REPAIR / VEH 1380	50.00	97038	
29585- 1548	11	11/23/2009	Logged	*** Total ***	50.00		
29586- 1548	12	11/23/2009		4003 DAPPER TIRE			
	12			39790 VEHICLE #1424 4 TIRES	477.55	130958	
29586- 1548	12	11/23/2009	Logged	*** Total ***	477.55		
29587- 1548	13	11/23/2009		4023 DEPARTMENT OF JUSTICE			
	13			39802 LIVE SCAN FINGERPRINTS	442.00	463243	
29587- 1548	13	11/23/2009	Logged	*** Total ***	442.00		
29588- 1548	14	11/23/2009		4033 DEPARTMENT OF TRANSPORTATION			
	14			39809 TRAFFIC SIGNAL MAINT SEPT 09	216.07	186169	
29588- 1548	14	11/23/2009	Logged	*** Total ***	216.07		
29589- 1548	15	11/23/2009		4103 DON BERRY CONSTRUCTION, INC			
	15			39817 WHITESBRIEGE WIDENING PHASE II	42,431.42	PP 6 /RETENTION	
29589- 1548	15	11/23/2009	Logged	*** Total ***	42,431.42		
29590- 1548	16	11/23/2009		5074 FRESNO CITY COLLEGE			
	16			39803 ENROLLMENT/IA TRAINING/BARCOMA	40.00	7202890	
29590- 1548	16	11/23/2009	Logged	*** Total ***	40.00		
29591- 1548	17	11/23/2009		8005 HELENA CHEMICAL CO			
	17			39783 GLYFOS X-TRA 5 GALLONS	190.71	69419207	
29591- 1548	17	11/23/2009	Logged	*** Total ***	190.71		

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Name / Obligat'n Description	Net amount	Invoice number	PO number
29592- 1548	18	11/23/2009	8047 HYDRAULIC CONTROLS, INC			
	18		39795 NEW RAM/VEH 1341	419.13	B51066-001	
29592- 1548	18	11/23/2009	Logged	*** Total ***	419.13	
29593- 1548	19	11/23/2009	10981 KAISER FOUNDATION HEALTH PLAN,			
	19		39829 GROUP MEDICAL COVERAGE DEC 09	6,168.00	45929-0006	12/9
29593- 1548	19	11/23/2009	Logged	*** Total ***	6,168.00	
29594- 1548	20	11/23/2009	11015 KERMAN CHAMBER OF COMMERCE			
	20		39774 BIG FRESNO FAIR EXHIBIT DONATI	600.00	2009 DONATION	
29594- 1548	20	11/23/2009	Logged	*** Total ***	600.00	
29595- 1548	21	11/23/2009	11020 KERMAN FLORAL			
	21		39776 FLOWERS/MOORE FAMILY	62.12	3784	
29595- 1548	21	11/23/2009	Logged	*** Total ***	62.12	
29596- 1548	22	11/23/2009	11033 KERWEST NEWSPAPERS			
	22		39798 REC OF INSP CORRECT/COMPLAINT	412.34	22289	
	22		39832 ORD PH/PLANN COMM APPOINT	142.50	22375	
29596- 1548	22	11/23/2009	Logged	*** Total ***	554.84	
29597- 1548	23	11/23/2009	13023 MCCORMICK, KABOT, JENNER & LEW			
	23		39775 LEGAL FEES/CITIES V. COUNTY/%	109.64	4492 8/25/09	
29597- 1548	23	11/23/2009	Logged	*** Total ***	109.64	
29598- 1548	24	11/23/2009	12969 MICHAEL BRANDMAN ASSOCIATES			
	24		39799 PROF SVC 9/09-10/09 WALMART EI	33,787.97	00048255	
29598- 1548	24	11/23/2009	Logged	*** Total ***	33,787.97	
29599- 1548	25	11/23/2009	13036 MID VALLEY DISTRIBUTORS, INC.			
	25		39810 HEXCAP SCREW/INSERT/KEYSTOCK	54.52	571107-00	
29599- 1548	25	11/23/2009	Logged	*** Total ***	54.52	
29600- 1548	26	11/23/2009	13987 MIGUEL'S TIRES & TOWING			
	26		39812 4 TIRES VEH 1393	296.56	110209	
29600- 1548	26	11/23/2009	Logged	*** Total ***	296.56	
29601- 1548	27	11/23/2009	18076 MONIA RODRIGUEZ			
	27		39804 BLOOD DRAW	100.00	09-2166	
29601- 1548	27	11/23/2009	Logged	*** Total ***	100.00	
29602- 1548	28	11/23/2009	14014 NEXTEL COMMUNICATIONS			
	28		39843 MO SVC - 10/12/09-11/11/09	1,668.02	622685312-096	
29602- 1548	28	11/23/2009	Logged	*** Total ***	1,668.02	
29603- 1548	29	11/23/2009	15000 OFFICE DEPOT			
	29		39777 OFFICE SUPPLIES	92.36	497281295001	
	29		39800 LIQUID DETERGENT	19.88	495437268001	
	29		39801 FAX TONER/STENO PADS	31.12	495437222001	
29603- 1548	29	11/23/2009	Logged	*** Total ***	143.36	
29604- 1548	30	11/23/2009	0 RUDOLFO VASQUEZ			

		CITIBANK AP					
Check-Run	Seq#	Date	Vendor / Name / Obligat'n Description	Net amount	Invoice number	PO number	
	30		39819 *C REFUND CAT TRAP DEPOSIT	40.00	30495		
29604- 1548	30	11/23/2009	Logged	*** Total ***	40.00		
29605- 1548	31	11/23/2009	0 VIRGINIA SANCHEZ				
	31		39838 *C RENTAL DEPSOSIT REFUND	100.00	30068		
29605- 1548	31	11/23/2009	Logged	*** Total ***	100.00		
29606- 1548	32	11/23/2009	14901 ONTRAC				
	32		39836 OVERNIGHT SHIPPING/PLAN CHECK	24.90	6629818		
29606- 1548	32	11/23/2009	Logged	*** Total ***	24.90		
29607- 1548	33	11/23/2009	16025 P.G.& E.				
	33		39778 MO SVC 9/11-10/28/09/CITYWIDE	34,545.40	1987075107	11/9	
	33		39779 KERCKHOFF PARK/STAGE AREA	54.75	9217439139	11/9	
	33		39780 MO SVC 10/10-11/*9/09/SKATE/SC	223.40	620678869	11/9	
	33		39816 FEES TO HOLD POLE/CUST REQUEST	2,999.14	0006963320-4		
	33		39831 MO SVC 10/15-11/14/09 SOROP PA	46.02	1019447562	12/9	
	33		39835 MO SVC 9/9 - 9/14/09 E/S 3RD N	53.11	8970493475	11/9	
29607- 1548	33	11/23/2009	Logged	*** Total ***	37,921.82		
29608- 1548	34	11/23/2009	16069 PITNEY BOWES PURCHASE POWER				
	34		39781 POSTAE FOR METER 8/22/09-11/17	1,206.17	0159-4642	10/30	
29608- 1548	34	11/23/2009	Logged	*** Total ***	1,206.17		
29609- 1548	35	11/23/2009	16092 POSTAL ANNEX				
	35		39815 OVERNIGHT SIGNED AMENDMENT SWR	22.61	58192		
29609- 1548	35	11/23/2009	Logged	*** Total ***	22.61		
29610- 1548	36	11/23/2009	16109 PROVOST & PRITCHARD INC.				
	36		39807 ENG SVC PROCESS/PREP OF CONSTR	2,546.91	30099		
	36		39808 ENG SVC/SLUDGE DISPOSAL APP	252.00	30100		
29610- 1548	36	11/23/2009	Logged	*** Total ***	2,798.91		
29611- 1548	37	11/23/2009	17006 QUINN COMPANY				
	37		39794 PLUG/PIN/TIP	421.30	PC000245116		
29611- 1548	37	11/23/2009	Logged	*** Total ***	421.30		
29612- 1548	38	11/23/2009	18075 R. G. EQUIPMENT				
	38		39791 2 10290 TIRES	76.28	8545		
	38		39792 1 103-2627 HUB	1.44	8563		
	38		39793 SUSPENSION SEAT/BELT	447.65	8630		
29612- 1548	38	11/23/2009	Logged	*** Total ***	525.37		
29613- 1548	39	11/23/2009	19014 SAFETY KLEEN CORP				
	39		39820 SELF RECYCLING PARTS WASHER SU	12.52	0040054025		
	39		39821 SELF RECYCLING PARTS WASHER LE	137.31	MB02686496		
29613- 1548	39	11/23/2009	Logged	*** Total ***	149.83		
29614- 1548	40	11/23/2009	19159 SDU C/O HOLLIE MICHELLE HALLAU				
	40		39840 *C WAGE ASSIGNMENT 19900000008	369.23	P/D 11/20/09		
29614- 1548	40	11/23/2009	Logged	*** Total ***	369.23		

CITIBANK AP

Check-Run	Seq#	Date	Vendor / Name / Obligat'n Description	Net amount	Invoice number	PO number
29615- 1548	41	11/23/2009	19063 SLUMBERGER LUMBER			
	41		39784 MISC PARTS/SUPPLIES	371.71	10/26/09	
	41		39788 FLOOR TUBE/SUPPLIES	68.33	B72049	
	41		39789 PARTS/SUPPLIES	114.18	1068 10/26/09	
	41		39814 MISC PARTS/SUPPLIES OCT 09	462.27	3115 10/26/09	
29615- 1548	41	11/23/2009	Logged *** Total ***	1,016.49		
29616- 1548	42	11/23/2009	19094 SPCA			
	42		39837 E & D / OCTOBER 2009	240.00	16 ANIMALS OCT	
29616- 1548	42	11/23/2009	Logged *** Total ***	240.00		
29617- 1548	43	11/23/2009	20056 THE HARTFORD-PRIORITY ACCOUNTS			
	43		39822 DEC 09/LTD-LIFE INS	1,246.07	4618462-8	
29617- 1548	43	11/23/2009	Logged *** Total ***	1,246.07		
29618- 1548	44	11/23/2009	10017 TONI JONES			
	44		39834 COFFEE/CREAMER/SUPPLIES	45.94	11/19/09	
29618- 1548	44	11/23/2009	Logged *** Total ***	45.94		
29619- 1548	45	11/23/2009	20015 UNITED WAY OF FRESNO COUNTY			
	45		39839 *C EMPLOYEE DONATION 3RD QTR 0	90.00	7/1/09-9/30/09	
29619- 1548	45	11/23/2009	Logged *** Total ***	90.00		
29620- 1548	46	11/23/2009	22002 VALLEY FOOD CENTER			
	46		39833 KERMAN LEADERSHIP MEETING	36.25	1341 11/17/09	
29620- 1548	46	11/23/2009	Logged *** Total ***	36.25		
29621- 1548	47	11/23/2009	22038 VISION SERVICE PLAN			
	47		39844 VISION COVERAGE/COBRA DEC 09	661.76	120224150001 12	
29621- 1548	47	11/23/2009	Logged *** Total ***	661.76		
29622- 1548	48	11/23/2009	23022 WEST HILLS OIL, INC			
	48		39805 FUEL/CITY VEHICLES 10/31/09-11	2,083.13	24969	
29622- 1548	48	11/23/2009	Logged *** Total ***	2,083.13		
29623- 1548	49	11/23/2009	24002 XEROX CORPORATION			
	49		39813 MO LEASE/COPIES	269.66	044104845	
29623- 1548	49	11/23/2009	Logged *** Total ***	269.66		
29624- 1548	50	11/23/2009	25001 YAMABE & HORN ENGINEERING			
	50		39846 ENG SERVICES OCT 09	73,374.68	26090-26104	
29624- 1548	50	11/23/2009	Logged *** Total ***	73,374.68		
** Total MFP discount **				.00		
** Total MFP amount **				.00		
** Total check discount **				.00		
** Total check amount **				354,149.41		
** Total void discount **				.00		
** Total void amount **				.00		

RESOLUTION NO. -

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF KERMAN
ACCEPTING BID FOR WWTP EXPANSION SCADA INTEGRATION
SERVICES PROJECT**

WHEREAS, the Notice Inviting Proposals for the WWTP Expansion Scada Integration Services Project in the City of Kerman was sent to pre-qualifying candidates with integrator experience.

WHEREAS, a pre-bid system walkthrough requiring all vendors to attend was held at the City of Kerman Wastewater Treatment facility located at 15485 West Church Ave in Kerman on October 20, 2009.

WHEREAS, the services project will consist of the integrator performing all existing functionality with existing systems in addition to all of the new controls for the new system of the Wastewater Treatment facility Expansion upgrade in the City of Kerman; and

WHEREAS, the following proposals for the project were publicly opened and read aloud at the Kerman City Hall on Thursday, November 5, 2009 at 2:00 p.m.

<u>Contractor</u>	<u>Total Cost of Proposal</u>
ICAD	\$ 68,862.00
Tesco	\$ 82,000.00
Automated Control	\$169,000.00

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF KERMAN RESOLVES upon the recommendation of the Engineering firm of Provost and Pritchard Consulting Group that the WWTP Scada Integrator Services Project be awarded to: ICAD, Inc.(Industrial Control and Design), 3585 East Date Avenue, Fresno, CA 93725, in the amount of Sixty-Eight Thousand Eight Hundred and Sixty-Two Dollars (\$68,862.00).

The foregoing resolution was introduced at a regular meeting of the City Council of the City of Kerman held on the 2nd day of December, 2009, and passed at said meeting by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

The foregoing resolution is hereby approved.

TRINIDAD M. RODRIGUEZ
MAYOR

ATTEST:

L. RENEE HOLDCROFT
CITY CLERK



City of Kerman

"Community Comes First"

Model Water Efficiency Landscape Ordinance

CITY MANAGER

REPORT TO THE CITY COUNCIL
November 18, 2009

To: Mayor and City Council
From: Ron Manfredi, City Manager
Luis Patlan, Director of Planning & Development
Subject: Introduction of Ordinance Adopting Model Water Efficiency Landscape Ordinance

Recommendation

That the City Council introduce by title only, waive further reading of Ordinance, and set public hearing date for December 16, 2009 for adoption of an Ordinance amending Title 13 of the Kerman Municipal Code by adding Chapter 13 regarding the adoption of a Water Efficiency Landscape Ordinance.

Background

In 2006, Governor Schwarzenegger signed Assembly Bill 1881 amending the Water Conservation in the Landscape Act (Act). The bill requires cities and counties are to update local landscape ordinances by January 1, 2010. All cities have until this date to either adopt the state's MWELO or adopt their own local water efficient landscape ordinance. If a City adopts its own local ordinance, it must be at least as effective in achieving water use efficiency as the MWELO. The intent of the state's model ordinance is to achieve increased landscape water use efficiency in new development.

Discussion

Local agencies are required to adopt a Water Efficiency Landscape Ordinance that is as effective as the State's model water ordinance in conserving water use in new development. Cities that adopt a local ordinance must do so by January 1, 2010, and submit a copy of the adopted ordinance to the state by January 31, 2010. Cities can opt to adopt the State's Model Water Efficiency Ordinance.

Although the State's Model Water Efficiency Landscape Ordinance is overly burdensome, staff recommends that the City Council adopt this version in the interim in order to be in compliance with AB 1881. Staff intends to evaluate the Ordinance and recommend necessary revisions to simplify the administration and implementation of the Ordinance early next year.

In its present form, the new law applies to the following landscape projects:

- A. New construction and rehabilitated landscapes for public agency projects, developer-installed landscaping in single-family and multi-family private development projects with a landscape area equal to or greater than 2,500 square feet;
- B. New construction landscapes which are homeowner-provided and/or homeowner-hired in single-family and multi-family residential projects with a total project landscape area equal to or greater than 5,000 square feet.

The Ordinance requires considerable technology-based irrigation infrastructure and extensive review and compliance processes for virtually any new or retrofitted landscaped area. Project applicant shall submit a Landscape Documentation Package (LDP) for review and approval by the local agency. The LDP must include the following elements:

1. Project Information,
2. A Water Use Efficiency Landscape Worksheet by Hydro Zone, including
 - water budget calculations,
 - maximum applied water allowance calculated for the project based on a complex formula using evapotranspiration rates by geographic area, and
 - estimated total water use using a similarly complex formula
3. A Soil Management Report provided by a certified geotechnical laboratory,
4. A detailed Landscape Design Plan prepared by a licensed landscaped architect or licensed landscape contractor,
5. A detailed Irrigation Design Plan prepared by a licensed landscape architect, certified irrigation designer, or licensed landscape contractor, and
6. A Grading Design Plan prepared by a licensed professional,
7. An audit of irrigation system operation to be conducted and submitted by a certified landscape irrigation auditor,
8. All landscape and irrigation system maintenance schedule shall be submitted with a Certificate of Completion,
9. Annual account water use shall be monitored by the City to ensure compliance with annual water use allotment.

If the local agencies have not adopted a local ordinance by the date the model ordinance is mandated to take effect, the State's model ordinance shall be enforced by the local agency, and shall have the same force and effect as if adopted by the local agency. Furthermore, not later than January 31, 2010, each local agency shall notify the Department of Water Resources as to whether the local agency is subject to the State's model ordinance and/or shall submit to DWR a copy of the water efficient landscape ordinance adopted by the local agency.

Conclusion

That the City Council introduce by title only, waive further reading of Ordinance, and set public hearing date for December 16, 2009 for adoption of an Ordinance amending Title 13 of the Kerman Municipal Code by adding Chapter 13 regarding the adoption of a Water Efficiency Landscape Ordinance.

Exemption from California Environmental Quality Act

The Ordinance is exempt from review under the California Environmental Quality Act ("CEQA") (California Public Resources Code Section 21000 et seq.), pursuant to State CEQA Regulation 15307. This Ordinance is covered by CEQA's Category 7 Exemption for actions taken to assure the maintenance, restoration, enhancement, or protection of a natural resource where the regulatory process involves procedures for protection of the environment. The adoption of this Ordinance will result in the enhancement and protection of water resources in the City, and will not result in cumulative adverse environment impacts.

Fiscal Impact

The fiscal impacts of implementing the State's MWELO or the City's own water efficiency ordinance are unknown. The City currently does not have certified staff to evaluate and certify that developments are in compliance with the water efficiency ordinance. More than likely the City would retain an outside consultant to plan check and certify that projects meet the objectives of the ordinance. Thus, the cost of review and certification will be transferred to applicants similar to plan check fees assessed for building plans.

Attachment

Ordinance Amending Title 13 of the Kerman Municipal Code

ORDINANCE NO. 09- _____
AN ORDINANCE OF THE CITY OF KERMAN, STATE OF CALIFORNIA AMENDING TITLE 13 OF THE
KERMAN MUNICIPAL CODE TO ADD CHAPTER 13.06
CONCERNING WATER EFFICIENT LANDSCAPE IRRIGATION

THE CITY COUNCIL OF THE CITY OF SAN JOAQUIN DOES FIND AND ORDAIN AS FOLLOWS:

SECTION 1: Upon this ordinance becoming effective, Title 13 of the Kerman Municipal Ordinance shall be amended to add Chapter 13.06 to read as set forth in the Attached Exhibit "A"

SECTION 2: Upon passage of this ordinance or a summary of the same shall be published within fifteen (15) days of passage pursuant to the laws of the State of California in the Kerman News, a newspaper of general circulation published and circulated in said City of Kerman.

The foregoing ordinance was introduced and given its first reading at a regular meeting of the City Council of the City of Kerman held on the _____ day of December, 2009, and was passed after a second reading and noticed public hearing held pursuant to law at a regular meeting of the City Council of the City of Kerman on the _____ day of _____, 20__ by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

MAYOR, CITY OF KERMAN

ATTEST

CITY CLERK

EXHIBIT "A"

Chapter 13.06

Model Water Efficient Landscape Ordinance

Sections:

- 13.06.010 Findings of City of Kerman
 - 13.06.490 Purpose
 - 13.06.490.1 Applicability
 - 13.06.491. Definitions
 - 13.06.492. Provisions for New Construction or Rehabilitated Landscapes
 - 13.06.492.1 Compliance with Landscape Documentation Package
 - 13.06.492.2 Penalties
 - 13.06.492.3 Elements of the Landscape Documentation Package
 - 13.06.492.4 Water Efficient Landscape Worksheet
 - 13.06.492.5 Soil Management Report
 - 13.06.492.6 Landscape Design Plan
 - 13.06.492.7 Irrigation Design Plan
 - 13.06.492.8 Grading Design Plan
 - 13.06.492.9 Certificate of Completion
 - 13.06.492.10 Irrigation Scheduling
 - 13.06.492.11 Landscape and Irrigation Maintenance Schedule
 - 13.06.492.12 Irrigation Audit, Irrigation Survey, and Irrigation Water Use Analysis
 - 13.06.492.13 Irrigation Efficiency
 - 13.06.492.14 Recycled Water
 - 13.06.492.15 Stormwater Management
 - 13.06.492.16 Public Education
 - 13.06.492.17 Environmental Review
 - 13.06.493. Provisions for Existing Landscapes
 - 13.06.493.1 Irrigation Audit, Irrigation Survey, and Irrigation Water Use Analysis
 - 13.06.493.2 Water Waste Prevention
 - 13.06.494. Effective Precipitation
- Appendix A. Reference Evapotranspiration (ET_o) Table.
- Appendix B. Sample Water Efficient Landscape Worksheet.
- Appendix C. Sample Certificate of Completion.

§ 13.06.010. Findings of City of Kerman.

As required by state law, the City of Kerman finds that the State's Model Water Efficient Landscape Ordinance shall be enacted as set forth in this Chapter 13.06. Except as otherwise provided, the subsequent sections of this Chapter are numbered to correspond to the Section Numbers set forth in the Model Water Efficient Landscape Ordinance codified at Title 23 California Code of Regulations, Section 490 and following. Subsequent amendment to the Model Water Efficient Landscape Ordinance promulgated by the State of California shall be deemed to have the effect of amending the affected sections of this Chapter.

§ 13.06.490. Purpose.

(a) The State Legislature has found:

- (1) that the waters of the state are of limited supply and are subject to ever increasing demands;
- (2) that the continuation of California's economic prosperity is dependent on the availability of adequate supplies of water for future uses;
- (3) that it is the policy of the State to promote the conservation and efficient use of water and to prevent the waste of this valuable resource;
- (4) that landscapes are essential to the quality of life in California by providing areas for active and passive recreation and as an enhancement to the environment by cleaning air and water, preventing erosion, offering fire protection, and replacing ecosystems lost to development; and
- (5) that landscape design, installation, maintenance and management can and should be water efficient; and
- (6) that Section 2 of Article X of the California Constitution specifies that the right to use water is limited to the amount reasonably required for the beneficial use to be served and the right does not and shall not extend to waste or unreasonable method of use.

(b) Consistent with these legislative findings, the purpose of this model ordinance is to:

- (1) promote the values and benefits of landscapes while recognizing the need to invest water and other resources as efficiently as possible;
- (2) establish a structure for planning, designing, installing, maintaining and managing water efficient landscapes in new construction and rehabilitated projects;
- (3) establish provisions for water management practices and water waste prevention for existing landscapes;
- (4) use water efficiently without waste by setting a Maximum Applied Water Allowance as an upper limit for water use and reduce water use to the lowest practical amount;
- (5) promote the benefits of consistent landscape ordinances with neighboring local and regional agencies;
- (6) encourage local agencies and water purveyors to use economic incentives that promote the efficient use of water, such as implementing a tiered-rate structure; and
- (7) encourage local agencies to designate the necessary authority that implements and enforces the provisions of the Model Water Efficient Landscape Ordinance or its local landscape ordinance.

Note: Authority cited: Section 65593, Government Code. Reference: Sections 65591, 65593, 65596, Government Code.

§ 13.06.490.1 Applicability

(a) After January 1, 2010, this ordinance shall apply to all of the following landscape projects:

- (1) new construction and rehabilitated landscapes for public agency projects and private development projects with a landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check or design review;
- (2) new construction and rehabilitated landscapes which are developer-installed in single-family and multi-family projects with a landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check, or design review;
- (3) new construction landscapes which are homeowner-provided and/or homeowner-hired in single-family and multi-family residential projects with a total project landscape area equal to or greater than 5,000 square feet requiring a building or landscape permit, plan check or design review;
- (4) existing landscapes limited to Sections 493, 493.1 and 493.2 of this Chapter; and
- (5) cemeteries. Recognizing the special landscape management needs of cemeteries, new and rehabilitated cemeteries are limited to Sections 492.4, 492.11 and 492.12 of this Chapter; and existing cemeteries are limited to Sections 493, 493.1 and 493.2 of this Chapter.

(b) This ordinance does not apply to:

- (1) registered local, state or federal historical sites;
- (2) ecological restoration projects that do not require a permanent irrigation system;
- (3) mined-land reclamation projects that do not require a permanent irrigation system; or
- (4) plant collections, as part of botanical gardens and arboretums open to the public.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.491. Definitions.

The terms used in this ordinance have the meaning set forth below:

- (a) "applied water" means the portion of water supplied by the irrigation system to the landscape.
- (b) "automatic irrigation controller" means an automatic timing device used to remotely control valves that operate an irrigation system. Automatic irrigation controllers schedule irrigation events using either evapotranspiration (weather-based) or soil moisture data.
- (c) "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.
- (d) "Certificate of Completion" means the document required under Section 492.9 of this Chapter.

(e) "certified irrigation designer" means a person certified to design irrigation systems by an accredited academic institution a professional trade organization or other program such as the US Environmental Protection Agency's WaterSense irrigation designer certification program and Irrigation Association's Certified Irrigation Designer program.

(f) "certified landscape irrigation auditor" means a person certified to perform landscape irrigation audits by an accredited academic institution, a professional trade organization or other program such as the US Environmental Protection Agency's WaterSense irrigation auditor certification program and Irrigation Association's Certified Landscape Irrigation Auditor program.

(g) "check valve" or "anti-drain valve" means a valve located under a sprinkler head, or other location in the irrigation system, to hold water in the system to prevent drainage from sprinkler heads when the sprinkler is off.

(h) "common interest developments" means community apartment projects, condominium projects, planned developments, and stock cooperatives per Civil Code Section 1351.

(i) "conversion factor (0.62)" means the number that converts acre-inches per acre per year to gallons per square foot per year

(j) "drip irrigation" means any non-spray low volume irrigation system utilizing emission devices with a flow rate measured in gallons per hour. Low volume irrigation systems are specifically designed to apply small volumes of water slowly at or near the root zone of plants.

(k) "ecological restoration project" means a project where the site is intentionally altered to establish a defined, indigenous, historic ecosystem.

(l) "effective precipitation" or "usable rainfall" (Eppt) means the portion of total precipitation which becomes available for plant growth.

(m) "emitter" means a drip irrigation emission device that delivers water slowly from the system to the soil.

(n) "established landscape" means the point at which plants in the landscape have developed significant root growth into the soil. Typically, most plants are established after one or two years of growth.

(o) "establishment period of the plants" means the first year after installing the plant in the landscape or the first two years if irrigation will be terminated after establishment. Typically, most plants are established after one or two years of growth.

(p) "Estimated Total Water Use" (ETWU) means the total water used for the landscape as described in Section 492.4 of this Chapter.

(q) "ET adjustment factor" (ETAF) means a factor of 0.7, that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency, two major influences upon the amount of water that needs to be applied to the landscape.

A combined plant mix with a site-wide average of 0.5 is the basis of the plant factor portion of this calculation. For purposes of the ETAF, the average irrigation efficiency is 0.71. Therefore, the ET Adjustment Factor is $(0.7) = (0.5/0.71)$. ETAF for a Special Landscape Area shall not exceed 1.0. ETAF for existing non-rehabilitated landscapes is 0.8.

(r) "evapotranspiration rate" means the quantity of water evaporated from adjacent soil and other surfaces and transpired by plants during a specified time.

- (s) "flow rate" means the rate at which water flows through pipes, valves and emission devices, measured in gallons per minute, gallons per hour, or cubic feet per second.
- (t) "hardscapes" means any durable material (pervious and non-pervious).
- (u) "homeowner-provided landscaping" means any landscaping either installed by a private individual for a single family residence or installed by a licensed contractor hired by a homeowner. A homeowner, for purposes of this ordinance, is a person who occupies the dwelling he or she owns. This excludes speculative homes, which are not owner-occupied dwellings.
- (v) "hydrozone" means a portion of the landscaped area having plants with similar water needs. A hydrozone may be irrigated or non-irrigated.
- (w) "infiltration rate" means the rate of water entry into the soil expressed as a depth of water per unit of time (e.g., inches per hour).
- (x) "invasive plant species" means species of plants not historically found in California that spread outside cultivated areas and can damage environmental or economic resources. Invasive species may be regulated by county agricultural agencies as noxious species. "Noxious weeds" means any weed designated by the Weed Control Regulations in the Weed Control Act and identified on a Regional District noxious weed control list. Lists of invasive plants are maintained at the California Invasive Plant Inventory and USDA invasive and noxious weeds database.
- (y) "irrigation audit" means an in-depth evaluation of the performance of an irrigation system conducted by a Certified Landscape Irrigation Auditor. An irrigation audit includes, but is not limited to: inspection, system tune-up, system test with distribution uniformity or emission uniformity, reporting overspray or runoff that causes overland flow, and preparation of an irrigation schedule.
- (z) "irrigation efficiency" (IE) means the measurement of the amount of water beneficially used divided by the amount of water applied. Irrigation efficiency is derived from measurements and estimates of irrigation system characteristics and management practices. The minimum average irrigation efficiency for purposes of this ordinance is 0.71. Greater irrigation efficiency can be expected from well designed and maintained systems.
- (aa) "irrigation survey" means an evaluation of an irrigation system that is less detailed than an irrigation audit. An irrigation survey includes, but is not limited to: inspection, system test, and written recommendations to improve performance of the irrigation system.
- (bb) "irrigation water use analysis" means an analysis of water use data based on meter readings and billing data.
- (cc) "landscape architect" means a person who holds a license to practice landscape architecture in the state of California Business and Professions Code, Section 5615.
- (dd) "landscape area" means all the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance calculation. The landscape area does not include footprints of buildings or structures, sidewalks, driveways, parking lots, decks, patios, gravel or stone walks, other pervious or non-pervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open spaces and existing native vegetation).

- (ee) "landscape contractor" means a person licensed by the state of California to construct, maintain, repair, install, or subcontract the development of landscape systems.
- (ff) "Landscape Documentation Package" means the documents required under Section 492.3 of this Chapter.
- (gg) "landscape project" means total area of landscape in a project as defined in "landscape area" for the purposes of this ordinance, meeting requirements under Section 490.1 of this Chapter.
- (hh) "lateral line" means the water delivery pipeline that supplies water to the emitters or sprinklers from the valve.
- (ii) "local agency" means a city or county, including a charter city or charter county, that is responsible for adopting and implementing the ordinance. The local agency is also responsible for the enforcement of this ordinance, including but not limited to, approval of a permit and plan check or design review of a project.
- (jj) "local water purveyor" means any entity, including a public agency, city, county, or private water company that provides retail water service.
- (kk) "low volume irrigation" means the application of irrigation water at low pressure through a system of tubing or lateral lines and low-volume emitters such as drip, drip lines, and bubblers. Low volume irrigation systems are specifically designed to apply small volumes of water slowly at or near the root zone of plants.
- (ll) "main line" means the pressurized pipeline that delivers water from the water source to the valve or outlet.
- (mm) "Maximum Applied Water Allowance" (MAWA) means the upper limit of annual applied water for the established landscaped area as specified in Section 492.4 of this Chapter. It is based upon the area's reference evapotranspiration, the ET Adjustment Factor, and the size of the landscape area. The Estimated Total Water Use shall not exceed the Maximum Applied Water Allowance. Special Landscape Areas, including recreation areas, areas permanently and solely dedicated to edible plants such as orchards and vegetable gardens, and areas irrigated with recycled water are subject to the MAWA with an ETAF not to exceed 1.0.
- (nn) "microclimate" means the climate of a small, specific area that may contrast with the climate of the overall landscape area due to factors such as wind, sun exposure, plant density, or proximity to reflective surfaces.
- (oo) "mined-land reclamation projects" means any surface mining operation with a reclamation plan approved in accordance with the Surface Mining and Reclamation Act of 1975.
- (pp) "mulch" means any organic material such as leaves, bark, straw, compost, or inorganic mineral materials such as rocks, gravel, and decomposed granite left loose and applied to the soil surface for the beneficial purposes of reducing evaporation, suppressing weeds, moderating soil temperature, and preventing soil erosion.
- (qq) "new construction" means, for the purposes of this ordinance, a new building with a landscape or other new landscape, such as a park, playground, or greenbelt without an associated building.
- (rr) "operating pressure" means the pressure at which the parts of an irrigation system are designed by the manufacturer to operate.

(ss) "overhead sprinkler irrigation systems" means systems that deliver water through the air (e.g., spray heads and rotors).

(tt) "overspray" means the irrigation water which is delivered beyond the target area.

(uu) "permit" means an authorizing document issued by local agencies for new construction or rehabilitated landscapes.

(vv) "pervious" means any surface or material that allows the passage of water through the material and into the underlying soil.

(ww) "plant factor" or "plant water use factor" is a factor, when multiplied by ETo, estimates the amount of water needed by plants. For purposes of this ordinance, the plant factor range for low water use plants is 0 to 0.3, the plant factor range for moderate water use plants is 0.4 to 0.6, and the plant factor range for high water use plants is 0.7 to 1.0. Plant factors cited in this ordinance are derived from the Department of Water Resources 2000 publication "Water Use Classification of Landscape Species".

(xx) "precipitation rate" means the rate of application of water measured in inches per hour.

(yy) "project applicant" means the individual or entity submitting a Landscape Documentation Package required under Section 492.3 of this Chapter, to request a permit, plan check, or design review from the local agency. A project applicant may be the property owner or his or her designee.

(zz) "rain sensor" or "rain sensing shutoff device" means a component which automatically suspends an irrigation event when it rains.

(aaa) "record drawing" or "as-builts" means a set of reproducible drawings which show significant changes in the work made during construction and which are usually based on drawings marked up in the field and other data furnished by the contractor.

(bbb) "recreational area" means areas dedicated to active play such as parks, sports fields, and golf courses where turf provides a playing surface.

(ccc) "recycled water", "reclaimed water", or "treated sewage effluent water" means treated or recycled waste water of a quality suitable for non-potable uses such as landscape irrigation and water features. This water is not intended for human consumption.

(ddd) "reference evapotranspiration" or "ETo" means a standard measurement of environmental parameters which affect the water use of plants. ETo is expressed in inches per day, month, or year as represented in Section 495.1 of this Chapter, and is an estimate of the evapotranspiration of a large field of four- to seven-inch tall, cool-season grass that is well watered. Reference evapotranspiration is used as the basis of determining the Maximum Applied Water Allowance so that regional differences in climate can be accommodated.

(eee) "rehabilitated landscape" means any re-landscaping project that requires a permit, plan check, or design review, meets the requirements of Section 490.1 of this Chapter, and the modified landscape area is equal to or greater than 2,500 square feet, is 50% of the total landscape area, and the modifications are completed within one year.

(fff) "runoff" means water which is not absorbed by the soil or landscape to which it is applied and flows from the landscape area. For example, runoff may result from water that is applied at too great a rate (application rate exceeds infiltration rate) or when there is a slope.

(ggg) "soil moisture sensing device" or "soil moisture sensor" means a device that measures the amount of water in the soil. The device may also suspend or initiate an irrigation event.

(hhh) "soil texture" means the classification of soil based on its percentage of sand, silt, and clay.

(iii) "Special Landscape Area" (SLA) means an area of the landscape dedicated solely to edible plants, areas irrigated with recycled water, water features using recycled water and areas dedicated to active play such as parks, sports fields, golf courses, and where turf provides a playing surface.

(jjj) "sprinkler head" means a device which delivers water through a nozzle.

(kkk) "static water pressure" means the pipeline or municipal water supply pressure when water is not flowing.

(lll) "station" means an area served by one valve or by a set of valves that operate simultaneously.

(mmm) "swing joint" means an irrigation component that provides a flexible, leak-free connection between the emission device and lateral pipeline to allow movement in any direction and to prevent equipment damage.

(nnn) "turf" means a ground cover surface of mowed grass. Annual bluegrass, Kentucky bluegrass, Perennial ryegrass, Red fescue, and Tall fescue are cool-season grasses. Bermudagrass, Kikuyugrass, Seashore Paspalum, St. Augustinegrass, Zoysiagrass, and Buffalo grass are warm-season grasses.

(ooo) "valve" means a device used to control the flow of water in the irrigation system.

(ppp) "water conserving plant species" means a plant species identified as having a low plant factor.

(qqq) "water feature" means a design element where open water performs an aesthetic or recreational function. Water features include ponds, lakes, waterfalls, fountains, artificial streams, spas, and swimming pools (where water is artificially supplied). The surface area of water features is included in the high water use hydrozone of the landscape area. Constructed wetlands used for on-site wastewater treatment or stormwater best management practices that are not irrigated and used solely for water treatment or stormwater retention are not water features and, therefore, are not subject to the water budget calculation.

(rrr) "watering window" means the time of day irrigation is allowed.

(sss) "WUCOLS" means the Water Use Classification of Landscape Species published by the University of California Cooperative Extension, the Department of Water Resources and the Bureau of Reclamation, 2000.

Note: Authority Cited: Section 65595, Government Code. Reference: Sections 65592, 65596, Government Code.

§ 13.06.492. Provisions for New Construction or Rehabilitated Landscapes.

(a) A local agency may designate another agency, such as a water purveyor, to implement some or all of the requirements contained in this ordinance. Local agencies may collaborate with water purveyors to define each entity's specific responsibilities relating to this ordinance.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.1 Compliance with Landscape Documentation Package.

(a) Prior to construction, the local agency shall:

(1) provide the project applicant with the ordinance and procedures for permits, plan checks, or design reviews;

(2) review the Landscape Documentation Package submitted by the project applicant;

(3) approve or deny the Landscape Documentation Package;

(4) issue a permit or approve the plan check or design review for the project applicant; and

(5) upon approval of the Landscape Documentation Package, submit a copy of the Water Efficient Landscape Worksheet to the local water purveyor.

(b) Prior to construction, the project applicant shall:

(1) submit a Landscape Documentation Package to the local agency.

(c) Upon approval of the Landscape Documentation Package by the local agency, the project applicant shall:

(1) receive a permit or approval of the plan check or design review and record the date of the permit in the Certificate of Completion;

(2) submit a copy of the approved Landscape Documentation Package along with the record drawings, and any other information to the property owner or his/her designee; and

(3) submit a copy of the Water Efficient Landscape Worksheet to the local water purveyor.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.2 Penalties.

(a) A local agency may establish and administer penalties to the project applicant for non-compliance with the ordinance to the extent permitted by law.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.3 Elements of the Landscape Documentation Package.

(a) The Landscape Documentation Package shall include the following six (6) elements:

(1) project information;

(A) date

(B) project applicant

(C) project address (if available, parcel and/or lot number(s))

(D) total landscape area (square feet)

(E) project type (e.g., new, rehabilitated, public, private, cemetery, homeowner-installed)

(F) water supply type (e.g., potable, recycled, well) *and identify the local retail water purveyor if the applicant is not served by a private well*

(G) checklist of all documents in Landscape Documentation Package

(H) project contacts to include contact information for the project applicant and property owner

(I) applicant signature and date with statement, "I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package".

(2) Water Efficient Landscape Worksheet;

(A) hydrozone information table

(B) water budget calculations

1. Maximum Applied Water Allowance (MAWA)

2. Estimated Total Water Use (ETWU)

(3) soil management report;

(4) landscape design plan;

(5) irrigation design plan; and

(6) grading design plan.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.4 Water Efficient Landscape Worksheet.

(a) A project applicant shall complete the Water Efficient Landscape Worksheet which contains two sections (see sample worksheet in Appendix B):

(1) a hydrozone information table (see Appendix B, Section A) for the landscape project; and

(2) a water budget calculation (see Appendix B, Section B) for the landscape project. For the calculation of the Maximum Applied Water Allowance and Estimated Total Water Use, a project applicant shall use the ETo values from the Reference Evapotranspiration Table in Appendix A.

For geographic areas not covered in Appendix A, use data from other cities located nearby in the same reference evapotranspiration zone, as found in the CIMIS Reference Evapotranspiration Zones Map, Department of Water Resources, 1999.

(b) Water budget calculations shall adhere to the following requirements:

(1) The plant factor used shall be from WUCOLS. The plant factor ranges from 0 to 0.3 for low water use plants, from 0.4 to 0.6 for moderate water use plants, and from 0.7 to 1.0 for high water use plants.

(2) All water features shall be included in the high water use hydrozone and temporarily irrigated areas shall be included in the low water use hydrozone.

(3) All Special Landscape Areas shall be identified and their water use calculated as described below.

(4) ETAF for Special Landscape Areas shall not exceed 1.0.

(c) Maximum Applied Water Allowance

The Maximum Applied Water Allowance shall be calculated using the equation:

$$MAWA = (ET_o) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

The example calculations below are hypothetical to demonstrate proper use of the equations and do not represent an existing and/or planned landscape project. The ET_o values used in these calculations are from the Reference Evapotranspiration Table in Appendix A, for planning purposes only. For actual irrigation scheduling, automatic irrigation controllers are required and shall use current reference evapotranspiration data, such as from the California Irrigation Management Information System (CIMIS), other equivalent data, or soil moisture sensor data.

(1) Example MAWA calculation: a hypothetical landscape project in Fresno, CA with an irrigated landscape area of 50,000 square feet without any Special Landscape Area ($SLA = 0$, no edible plants, recreational areas, or use of recycled water). To calculate MAWA, the annual reference evapotranspiration value for Fresno is 51.1 inches as listed in the Reference Evapotranspiration Table in Appendix A.

$$MAWA = (ET_o) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

MAWA = Maximum Applied Water Allowance (gallons per year)

ET_o = Reference Evapotranspiration (inches per year)

0.62 = Conversion Factor (to gallons)

0.7 = ET Adjustment Factor (ETAF)

LA = Landscape Area including SLA (square feet)

0.3 = Additional Water Allowance for SLA

SLA = Special Landscape Area (square feet)

$$MAWA = (51.1 \text{ inches}) (0.62) [(0.7 \times 50,000 \text{ square feet}) + (0.3 \times 0)]$$

$$= 1,108,870 \text{ gallons per year}$$

To convert from gallons per year to hundred-cubic-feet per year:

$$= 1,108,870 / 748 = 1,482 \text{ hundred-cubic-feet per year}$$

(100 cubic feet = 748 gallons)

(2) In this next hypothetical example, the landscape project in Fresno, CA has the same ET_o value of 51.1 inches and a total landscape area of 50,000 square feet. Within the 50,000 square foot project, there is now a 2,000 square foot area planted with edible plants. This 2,000 square foot area is considered to be a Special Landscape Area.

$$MAWA = (ET_o) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

$$MAWA = (51.1 \text{ inches}) (0.62) [(0.7 \times 50,000 \text{ square feet}) + (0.3 \times 2,000 \text{ square feet})]$$

$$= 31.68 \times [35,000 + 600] \text{ gallons per year}$$

$$= 31.68 \times 35,600 \text{ gallons per year}$$

$$= 1,127,808 \text{ gallons per year or } 1,508 \text{ hundred-cubic-feet per year}$$

(d) Estimated Total Water Use.

The Estimated Total Water Use shall be calculated using the equation below. The sum of the Estimated Total Water Use calculated for all hydrozones shall not exceed MAWA.

$$ETWU = (ET_o)(0.62) \left(\frac{PF \times HA}{IE} + SLA \right)$$

Where:

- ETWU = Estimated Total Water Use per year (gallons)
- ETo = Reference Evapotranspiration (inches)
- PF = Plant Factor from WUCOLS (see Section 491)
- HA = Hydrozone Area [high, medium, and low water use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor
- IE = Irrigation Efficiency (minimum 0.71)

(1) Example ETWU calculation: landscape area is 50,000 square feet; plant water use type, plant factor, and hydrozone area are shown in the table below. The ETo value is 51.1 inches per year. There are no Special Landscape Areas (recreational area, area permanently and solely dedicated to edible plants, and area irrigated with recycled water) in this example.

Hydrozone	Plant Water Use Type(s)	Plant Factor (PF)*	Hydrozone Area (HA) (square feet)	PF x HA (square feet)
1	High	0.8	7,000	5,600
2	High	0.7	10,000	7,000
3	Medium	0.5	16,000	8,000
4	Low	0.3	7,000	2,100
5	Low	0.2	10,000	2,000
			Sum	24,700

*Plant Factor from WUCOLS

$$ETWU = (51.1)(0.62) \left(\frac{24,700}{0.71} + 0 \right)$$

= 1,102,116 gallons per year

Compare ETWU with MAWA: For this example MAWA = (51.1) (0.62) [(0.7 x 50,000) + (0.3 x 0)] = 1,108,870 gallons per year. The ETWU (1,102,116 gallons per year) is less than MAWA (1,108,870 gallons per year). In this example, the water budget complies with the MAWA.

(2) Example ETWU calculation: total landscape area is 50,000 square feet, 2,000 square feet of which is planted with edible plants. The edible plant area is considered a Special Landscape Area (SLA). The reference evapotranspiration value is 51.1 inches per year. The plant type, plant factor, and hydrozone area are shown in the table below.

Hydrozone	Plant Water Use Type(s)	Plant Factor (PF)*	Hydrozone Area (HA) (square feet)	PF x HA (square feet)
1	High	0.8	7,000	5,600
2	High	0.7	9,000	6,300
3	Medium	0.5	15,000	7,500
4	Low	0.3	7,000	2,100
5	Low	0.2	10,000	2,000
			Sum	23,500
6	SLA	1.0	2,000	2,000

*Plant Factor from WUCOLS

$$\begin{aligned}
 ETWU &= (51.1)(0.62) \left(\frac{23,500}{0.71} + 2,000 \right) \\
 &= (31.68) (33,099 + 2,000) \\
 &= 1,111,936 \text{ gallons per year}
 \end{aligned}$$

Compare ETWU with MAWA. For this example:
 MAWA = (51.1) (0.62) [(0.7 x 50,000) + (0.3 x 2,000)]
 = 31.68 x [35,000 + 600]
 = 31.68 x 35,600
 = 1,127,808 gallons per year

The ETWU (1,111,936 gallons per year) is less than MAWA (1,127,808 gallons per year). For this example, the water budget complies with the MAWA.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.5 Soil Management Report.

- (a) In order to reduce runoff and encourage healthy plant growth, a soil management report shall be completed by the project applicant, or his/her designee, as follows:
- (1) Submit soil samples to a laboratory for analysis and recommendations.
 - (A) Soil sampling shall be conducted in accordance with laboratory protocol, including protocols regarding adequate sampling depth for the intended plants.
 - (B) The soil analysis may include:
 - 1. soil texture;
 - 2. infiltration rate determined by laboratory test or soil texture infiltration rate table;

3. pH;
4. total soluble salts;
5. sodium;
6. percent organic matter; and
7. recommendations.

(2) The project applicant, or his/her designee, shall comply with one of the following:

(A) If significant mass grading is not planned, the soil analysis report shall be submitted to the local agency as part of the Landscape Documentation Package; or

(B) If significant mass grading is planned, the soil analysis report shall be submitted to the local agency as part of the Certificate of Completion.

(3) The soil analysis report shall be made available, in a timely manner, to the professionals preparing the landscape design plans and irrigation design plans to make any necessary adjustments to the design plans.

(4) The project applicant, or his/her designee, shall submit documentation verifying implementation of soil analysis report recommendations to the local agency with Certificate of Completion.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.6 Landscape Design Plan.

(a) For the efficient use of water, a landscape shall be carefully designed and planned for the intended function of the project. A landscape design plan meeting the following design criteria shall be submitted as part of the Landscape Documentation Package.

(1) Plant Material

(A) Any plant may be selected for the landscape, providing the Estimated Total Water Use in the landscape area does not exceed the Maximum Applied Water Allowance. To encourage the efficient use of water, the following is highly recommended:

1. protection and preservation of native species and natural vegetation;
2. selection of water-conserving plant and turf species;
3. selection of plants based on disease and pest resistance;
4. selection of trees based on applicable local tree ordinances or tree shading guidelines; and
5. selection of plants from local and regional landscape program plant lists.

(B) Each hydrozone shall have plant materials with similar water use, with the exception of hydrozones with plants of mixed water use, as specified in Section 492.7(a)(2)(D) of this Chapter.

(C) Plants shall be selected and planted appropriately based upon their adaptability to the climatic, geologic, and topographical conditions of the project site. To encourage the efficient use of water, the following is highly recommended:

1. use the Sunset Western Climate Zone System which takes into account temperature, humidity, elevation, terrain, latitude, and varying degrees of continental and marine influence on local climate;

2. recognize the horticultural attributes of plants (i.e., mature plant size, invasive surface roots) to minimize damage to property or infrastructure [e.g., buildings, sidewalks, power lines]; and
3. consider the solar orientation for plant placement to maximize summer shade and winter solar gain.

(D) Turf is not allowed on slopes greater than 25% where the toe of the slope is adjacent to an impermeable hardscape and where 25% means 1 foot of vertical elevation change for every 4 feet of horizontal length (rise divided by run x 100 = slope percent).

(E) A landscape design plan for projects in fire-prone areas shall address fire safety and prevention. A defensible space or zone around a building or structure is required per Public Resources Code Section 4291(a) and (b). Avoid fire-prone plant materials and highly flammable mulches.

(F) The use of invasive and/or noxious plant species is strongly discouraged.

(G) The architectural guidelines of a common interest development, which include community apartment projects, condominiums, planned developments, and stock cooperatives, shall not prohibit or include conditions that have the effect of prohibiting the use of low-water use plants as a group.

(2) Water Features

(A) Recirculating water systems shall be used for water features.

(B) Where available, recycled water shall be used as a source for decorative water features.

(C) Surface area of a water feature shall be included in the high water use hydrozone area of the water budget calculation.

(D) Pool and spa covers are highly recommended.

(3) Mulch and Amendments

(A) A minimum two inch (2") layer of mulch shall be applied on all exposed soil surfaces of planting areas except in turf areas, creeping or rooting groundcovers, or direct seeding applications where mulch is contraindicated.

(B) Stabilizing mulching products shall be used on slopes.

(C) The mulching portion of the seed/mulch slurry in hydro-seeded applications shall meet the mulching requirement.

(D) Soil amendments shall be incorporated according to recommendations of the soil report and what is appropriate for the plants selected (see Section 492.5 of this Chapter).

(b) The landscape design plan, at a minimum, shall:

(1) delineate and label each hydrozone by number, letter, or other method;

(2) identify each hydrozone as low, moderate, high water, or mixed water use. Temporarily irrigated areas of the landscape shall be included in the low water use hydrozone for the water budget calculation;

(3) identify recreational areas;

(4) identify areas permanently and solely dedicated to edible plants;

(5) identify areas irrigated with recycled water;

(6) identify type of mulch and application depth;

(7) identify soil amendments, type, and quantity;

(8) identify type and surface area of water features;

(9) identify hardscapes (pervious and non-pervious);

(10) identify location and installation details of any applicable stormwater best management practices that encourage on-site retention and infiltration of stormwater. Stormwater best management practices are encouraged in the landscape design plan and examples include, but are not limited to:

- (A) infiltration beds, swales, and basins that allow water to collect and soak into the ground;
- (B) constructed wetlands and retention ponds that retain water, handle excess flow, and filter pollutants; and
- (C) pervious or porous surfaces (e.g., permeable pavers or blocks, pervious or porous concrete, etc.) that minimize runoff.

(11) identify any applicable rain harvesting or catchment technologies (e.g., rain gardens, cisterns, etc.);

(12) contain the following statement: "I have complied with the criteria of the ordinance and applied them for the efficient use of water in the landscape design plan"; and

(13) bear the signature of a licensed landscape architect, licensed landscape contractor, or any other person authorized to design a landscape. (See Sections 5500.1, 5615, 5641, 5641.1, 5641.2, 5641.3, 5641.4, 5641.5, 5641.6, 6701, 7027.5 of the Business and Professions Code, Section 832.27 of Title 16 of the California Code of Regulations, and Section 6721 of the Food and Agriculture Code.)

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code and Section 1351, Civil Code.

§ 13.06.492.7 Irrigation Design Plan.

(a) For the efficient use of water, an irrigation system shall meet all the requirements listed in this section and the manufacturers' recommendations. The irrigation system and its related components shall be planned and designed to allow for proper installation, management, and maintenance. An irrigation design plan meeting the following design criteria shall be submitted as part of the Landscape Documentation Package.

(1) System

(A) Dedicated landscape water meters are highly recommended on landscape areas smaller than 5,000 square feet to facilitate water management.

(B) Automatic irrigation controllers utilizing either evapotranspiration or soil moisture sensor data shall be required for irrigation scheduling in all irrigation systems.

(C) The irrigation system shall be designed to ensure that the dynamic pressure at each emission device is within the manufacturer's recommended pressure range for optimal performance.

1. If the static pressure is above or below the required dynamic pressure of the irrigation system, pressure-regulating devices such as inline pressure regulators, booster pumps, or other devices shall be installed to meet the required dynamic pressure of the irrigation system.

2. Static water pressure, dynamic or operating pressure, and flow reading of the water supply shall be measured at the point of connection. These pressure and flow measurements shall be

conducted at the design stage. If the measurements are not available at the design stage, the measurements shall be conducted at installation.

(D) Sensors (rain, freeze, wind, etc.), either integral or auxiliary, that suspend or alter irrigation operation during unfavorable weather conditions shall be required on all irrigation systems, as appropriate for local climatic conditions. Irrigation should be avoided during windy or freezing weather or during rain.

(E) Manual shut-off valves (such as a gate valve, ball valve, or butterfly valve) shall be required, as close as possible to the point of connection of the water supply, to minimize water loss in case of an emergency (such as a main line break) or routine repair.

(F) Backflow prevention devices shall be required to protect the water supply from contamination by the irrigation system. A project applicant shall refer to the applicable local agency code (i.e., public health) for additional backflow prevention requirements.

(G) High flow sensors that detect and report high flow conditions created by system damage or malfunction *are recommended*.

(H) The irrigation system shall be designed to prevent runoff, low head drainage, overspray, or other similar conditions where irrigation water flows onto non-targeted areas, such as adjacent property, non-irrigated areas, hardscapes, roadways, or structures.

(I) Relevant information from the soil management plan, such as soil type and infiltration rate, shall be utilized when designing irrigation systems.

(J) The design of the irrigation system shall conform to the hydrozones of the landscape design plan.

(K) The irrigation system must be designed and installed to meet, at a minimum, the irrigation efficiency criteria as described in Section 492.4 of this Chapter regarding the Maximum Applied Water Allowance.

(L) It is highly recommended that the project applicant or local agency inquire with the local water purveyor about peak water operating demands (on the water supply system) or water restrictions that may impact the effectiveness of the irrigation system.

(M) In mulched planting areas, the use of low volume irrigation is required to maximize water infiltration into the root zone.

(N) Sprinkler heads and other emission devices shall have matched precipitation rates, unless otherwise directed by the manufacturer's recommendations.

(O) Head to head coverage is recommended. However, sprinkler spacing shall be designed to achieve the highest possible distribution uniformity using the manufacturer's recommendations.

(P) Swing joints or other riser-protection components are required on all risers subject to damage that are adjacent to high traffic areas.

(Q) Check valves or anti-drain valves are required for all irrigation systems.

(R) Narrow or irregularly shaped areas, including turf, less than eight (8) feet in width in any direction shall be irrigated with subsurface irrigation or low volume irrigation system.

(S) Overhead irrigation shall not be permitted within 24 inches of any non-permeable surface. Allowable irrigation within the setback from non-permeable surfaces may include drip, drip line, or other low flow non-spray technology. The setback area may be planted or unplanted.

The surfacing of the setback may be mulch, gravel, or other porous material. These restrictions may be modified if:

1. the landscape area is adjacent to permeable surfacing and no runoff occurs; or
2. the adjacent non-permeable surfaces are designed and constructed to drain entirely to landscaping; or
3. the irrigation designer specifies an alternative design or technology, as part of the Landscape Documentation Package and clearly demonstrates strict adherence to irrigation system design criteria in Section 492.7 (a)(1)(H) of this Chapter. Prevention of overspray and runoff must be confirmed during the irrigation audit.

(T) Slopes greater than 25% shall not be irrigated with an irrigation system with a precipitation rate exceeding 0.75 inches per hour. This restriction may be modified if the landscape designer specifies an alternative design or technology, as part of the Landscape Documentation Package, and clearly demonstrates no runoff or erosion will occur. Prevention of runoff and erosion must be confirmed during the irrigation audit.

(2) Hydrozone

(A) Each valve shall irrigate a hydrozone with similar site, slope, sun exposure, soil conditions, and plant materials with similar water use.

(B) Sprinkler heads and other emission devices shall be selected based on what is appropriate for the plant type within that hydrozone.

(C) Where feasible, trees shall be placed on separate valves from shrubs, groundcovers, and turf.

(D) Individual hydrozones that mix plants of moderate and low water use, or moderate and high water use, may be allowed if:

1. plant factor calculation is based on the proportions of the respective plant water uses and their plant factor; or
2. the plant factor of the higher water using plant is used for calculations.

(E) Individual hydrozones that mix high and low water use plants shall not be permitted.

(F) On the landscape design plan and irrigation design plan, hydrozone areas shall be designated by number, letter, or other designation. On the irrigation design plan, designate the areas irrigated by each valve, and assign a number to each valve. Use this valve number in the Hydrozone Information Table (see Appendix B Section A). This table can also assist with the irrigation audit and programming the controller.

(b) The irrigation design plan, at a minimum, shall contain:

- (1) location and size of separate water meters for landscape;
- (2) location, type and size of all components of the irrigation system, including controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regulators, and backflow prevention devices;
- (3) static water pressure at the point of connection to the public water supply;
- (4) flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station;
- (5) recycled water irrigation systems as specified in Section 492.14 of this Chapter;
- (6) the following statement: "I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the irrigation design plan"; and

(7) the signature of a licensed landscape architect, certified irrigation designer, licensed landscape contractor, or any other person authorized to design an irrigation system. (See Sections 5500.1, 5615, 5641, 5641.1, 5641.2, 5641.3, 5641.4, 5641.5, 5641.6, 6701, 7027.5 of the Business and Professions Code, Section 832.27 of Title 16 of the California Code of Regulations, and Section 6721 of the Food and Agricultural Code.)

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.8 Grading Design Plan.

(a) For the efficient use of water, grading of a project site shall be designed to minimize soil erosion, runoff, and water waste. A grading plan shall be submitted as part of the Landscape Documentation Package. A comprehensive grading plan prepared by a civil engineer for other local agency permits satisfies this requirement.

(1) The project applicant shall submit a landscape grading plan that indicates finished configurations and elevations of the landscape area including:

- (A) height of graded slopes;
- (B) drainage patterns;
- (C) pad elevations;
- (D) finish grade; and
- (E) stormwater retention improvements, if applicable.

(2) To prevent excessive erosion and runoff, it is highly recommended that project applicants:

- (A) grade so that all irrigation and normal rainfall remains within property lines and does not drain on to non-permeable hardscapes;
- (B) avoid disruption of natural drainage patterns and *undisturbed soil*; and
- (C) avoid soil compaction in landscape areas.

(3) The grading design plan shall contain the following statement: "I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the grading design plan" and shall bear the signature of a licensed professional as authorized by law.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.9 Certificate of Completion.

(a) The Certificate of Completion (see Appendix C for a sample certificate) shall include the following six (6) elements:

(1) project information sheet that contains:

- (A) date;
- (B) project name;
- (C) project applicant name, telephone, and mailing address;

- (D) project address and location; and
- (E) property owner name, telephone, and mailing address;
- (2) certification by either the signer of the landscape design plan, the signer of the irrigation design plan, or the licensed landscape contractor that the landscape project has been installed per the approved Landscape Documentation Package;
- (A) where there have been significant changes made in the field during construction, these “as-built” or record drawings shall be included with the certification;
- (3) irrigation scheduling parameters used to set the controller (see Section 492.10 of this Chapter);
- (4) landscape and irrigation maintenance schedule (see Section 492.11 of this Chapter);
- (5) irrigation audit report (see Section 492.12 of this Chapter); and
- (6) soil analysis report, if not submitted with Landscape Documentation Package, and documentation verifying implementation of soil report recommendations (see Section 492.5 of this Chapter).
- (b) The project applicant shall:
 - (1) submit the signed Certificate of Completion to the local agency for review;
 - (2) ensure that copies of the approved Certificate of Completion *are submitted* to the local water purveyor and property owner or his or her designee.
- (c) The local agency shall:
 - (1) receive the signed Certificate of Completion from the project applicant;
 - (2) approve or deny the Certificate of Completion. If the Certificate of Completion is denied, the local agency shall provide information to the project applicant regarding reapplication, appeal, or other assistance.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.10 Irrigation Scheduling.

- (a) For the efficient use of water, all irrigation schedules shall be developed, managed, and evaluated to utilize the minimum amount of water required to maintain plant health. Irrigation schedules shall meet the following criteria:
 - (1) Irrigation scheduling shall be regulated by automatic irrigation controllers.
 - (2) Overhead irrigation shall be scheduled between 8:00 p.m. and 10:00 a.m. unless weather conditions prevent it. If allowable hours of irrigation differ from the local water purveyor, the stricter of the two shall apply. Operation of the irrigation system outside the normal watering window is allowed for auditing and system maintenance.
 - (3) For implementation of the irrigation schedule, particular attention must be paid to irrigation run times, emission device, flow rate, and current reference evapotranspiration, so that applied water meets the Estimated Total Water Use. Total annual applied water shall be less than or equal to Maximum Applied Water Allowance (MAWA). Actual irrigation schedules shall be regulated by automatic irrigation controllers using current reference evapotranspiration data (e.g., CIMIS) or soil moisture sensor data.

- (4) Parameters used to set the automatic controller shall be developed and submitted for each of the following:
- (A) the plant establishment period;
 - (B) the established landscape; and
 - (C) temporarily irrigated areas.
- (5) Each irrigation schedule shall consider for each station all of the following that apply:
- (A) irrigation interval (days between irrigation);
 - (B) irrigation run times (hours or minutes per irrigation event to avoid runoff);
 - (C) number of cycle starts required for each irrigation event to avoid runoff;
 - (D) amount of applied water scheduled to be applied on a monthly basis;
 - (E) application rate setting;
 - (F) root depth setting;
 - (G) plant type setting;
 - (H) soil type;
 - (I) slope factor setting;
 - (J) shade factor setting; and
 - (K) irrigation uniformity or efficiency setting.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.11 Landscape and Irrigation Maintenance Schedule.

- (a) Landscapes shall be maintained to ensure water use efficiency. A regular maintenance schedule shall be submitted with the Certificate of Completion.
- (b) A regular maintenance schedule shall include, but not be limited to, routine inspection; adjustment and repair of the irrigation system and its components; aerating and dethatching turf areas; replenishing mulch; fertilizing; pruning; weeding in all landscape areas, and removing and obstruction to emission devices. Operation of the irrigation system outside the normal watering window is allowed for auditing and system maintenance.
- (c) Repair of all irrigation equipment shall be done with the originally installed components or their equivalents.
- (d) A project applicant is encouraged to implement sustainable or environmentally-friendly practices for overall landscape maintenance.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.12 Irrigation Audit, Irrigation Survey, and Irrigation Water Use Analysis.

- (a) All landscape irrigation audits shall be conducted by a certified landscape irrigation auditor.
- (b) For new construction and rehabilitated landscape projects installed after January 1, 2010, as described in Section 490.1 of this Chapter:

(1) the project applicant shall submit an irrigation audit report with the Certificate of Completion to the local agency that may include, but is not limited to: inspection, system tune-up, system test with distribution uniformity, reporting overspray or run off that causes overland flow, and preparation of an irrigation schedule;

(2) the local agency *shall administer programs that may include, but not be limited to, irrigation water use analysis, irrigation audits, and irrigation surveys for compliance with the Maximum Applied Water Allowance.*

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.13 Irrigation Efficiency.

(a) For the purpose of determining Maximum Applied Water Allowance, average irrigation efficiency is assumed to be 0.71. Irrigation systems shall be designed, maintained, and managed to meet or exceed an average landscape irrigation efficiency of 0.71.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.14 Recycled Water.

(a) The installation of recycled water irrigation systems shall allow for the current and future use of recycled water, unless a written exemption has been granted as described in Section 492.14(b) of this Chapter.

(b) Irrigation systems and decorative water features shall use recycled water unless a written exemption has been granted by the local water purveyor stating that recycled water meeting all public health codes and standards is not available and will not be available for the foreseeable future.

(c) All recycled water irrigation systems shall be designed and operated in accordance with all applicable local and State laws.

(d) Landscapes using recycled water are considered Special Landscape Areas. The ET Adjustment Factor for Special Landscape Areas shall not exceed 1.0.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.15 Stormwater Management.

(a) Stormwater management practices minimize runoff and increase infiltration which recharges groundwater and improves water quality. Implementing stormwater best management practices into the landscape and grading design plans to minimize runoff and to increase on-site retention and infiltration are encouraged.

(b) Project applicants shall refer to the local agency or Regional Water Quality Control Board for information on any applicable stormwater ordinances and stormwater management plans.

(c) Rain gardens, cisterns, and other landscapes features and practices that increase rainwater capture and create opportunities for infiltration and/or onsite storage are recommended.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.16 Public Education.

(a) Publications. Education is a critical component to promote the efficient use of water in landscapes. The use of appropriate principles of design, installation, management and maintenance that save water is encouraged in the community.

(1) A local agency shall provide information to owners of new, single-family residential homes regarding the design, installation, management, and maintenance of water efficient landscapes.

(b) Model Homes. All model homes that are landscaped shall use signs and written information to demonstrate the principles of water efficient landscapes described in this ordinance.

(1) Signs shall be used to identify the model as an example of a water efficient landscape featuring elements such as hydrozones, irrigation equipment, and others that contribute to the overall water efficient theme.

(2) Information shall be provided about designing, installing, managing, and maintaining water efficient landscapes.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.492.17 Environmental Review.

(a) The local agency must comply with the California Environmental Quality Act (CEQA), as appropriate.

Note: Authority cited: Section 21082, Public Resources Code. Reference: Sections 21080, 21082, Public Resources Code.

§ 13.06.493. Provisions for Existing Landscapes.

(a) A local agency may designate another agency, such as a water purveyor, to implement some or all of the requirements contained in this ordinance. Local agencies may collaborate with water purveyors to define each entity's specific responsibilities relating to this ordinance.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.493.1 Irrigation Audit, Irrigation Survey, and Irrigation Water Use Analysis.

(a) This section, 493.1 of this Chapter, shall apply to all existing landscapes that were installed before January 1, 2010 and are over one acre in size.

(1) For all landscapes in 493.1(a) that have a water meter, the local agency shall administer programs that may include, but not be limited to, irrigation water use analyses, irrigation surveys, and irrigation audits to evaluate water use and provide recommendations as necessary to reduce landscape water use to a level that does not exceed the Maximum Applied Water Allowance for existing landscapes. The Maximum Applied Water Allowance for existing landscapes shall be calculated as: $MAWA = (0.8) (ET_o)(LA)(0.62)$.

(2) For all landscapes in 493.1(a), that do not have a meter, the local agency shall administer programs that may include, but not be limited to, irrigation surveys and irrigation audits to evaluate water use and provide recommendations as necessary in order to prevent water waste.

(b) All landscape irrigation audits shall be conducted by a certified landscape irrigation auditor.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

§ 13.06.493.2 Water Waste Prevention.

(a) Local agencies shall prevent water waste resulting from inefficient landscape irrigation by prohibiting runoff from leaving the target landscape due to low head drainage, overspray, or other similar conditions where water flows onto adjacent property, non-irrigated areas, walks, roadways, parking lots, or structures. Penalties for violation of these prohibitions shall be established locally.

(b) Restrictions regarding overspray and runoff may be modified if:

(1) the landscape area is adjacent to permeable surfacing and no runoff occurs; or

(2) the adjacent non-permeable surfaces are designed and constructed to drain entirely to landscaping.

Note: Authority cited: Section 65594, Government Code. Reference: Section 65596, Government Code.

§ 13.06.494. Effective Precipitation.

(a) A local agency may consider Effective Precipitation (25% of annual precipitation) in tracking water use and may use the following equation to calculate Maximum Applied Water Allowance: $MAWA = (ET_o - Eppt) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$.

Note: Authority Cited: Section 65595, Government Code. Reference: Section 65596, Government Code.

Appendices.

- Appendix A. Reference Evapotranspiration (ET_o) Table.
- Appendix B. Sample Water Efficiency Landscape Worksheet
- Appendix C. Sample Certificate of Completion

Appendix A
 Reference Evapotranspiration (ETo) Table

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ETo
ALAMEDA													
Fremont	1.5	1.9	3.4	4.7	5.4	6.3	6.7	6.0	4.5	3.4	1.8	1.5	47.0
Livermore	1.2	1.5	2.9	4.4	5.9	6.6	7.4	6.4	5.3	3.2	1.5	0.9	47.2
Oakland	1.5	1.5	2.8	3.9	5.1	5.3	6.0	5.5	4.8	3.1	1.4	0.9	41.8
Oakland Foothills	1.1	1.4	2.7	3.7	5.1	6.4	5.8	4.9	3.6	2.6	1.4	1.0	39.6
Pleasanton	0.8	1.5	2.9	4.4	5.6	6.7	7.4	6.4	4.7	3.3	1.5	1.0	46.2
Union City	1.4	1.8	3.1	4.2	5.4	5.9	6.4	5.7	4.4	3.1	1.5	1.2	44.2
ALPINE													
Markleeville	0.7	0.9	2.0	3.5	5.0	6.1	7.3	6.4	4.4	2.6	1.2	0.5	40.6
AMADOR													
Jackson	1.2	1.5	2.8	4.4	6.0	7.2	7.9	7.2	5.3	3.2	1.4	0.9	48.9
Shanandoah Valley	1.0	1.7	2.9	4.4	5.6	6.8	7.9	7.1	5.2	3.6	1.7	1.0	48.8
BUTTE													
Chico	1.2	1.8	2.9	4.7	6.1	7.4	8.5	7.3	5.4	3.7	1.7	1.0	51.7
Durham	1.1	1.8	3.2	5.0	6.5	7.4	7.8	6.9	5.3	3.6	1.7	1.0	51.1
Gridley	1.2	1.8	3.0	4.7	6.1	7.7	8.5	7.1	5.4	3.7	1.7	1.0	51.9
Oroville	1.2	1.7	2.8	4.7	6.1	7.6	8.5	7.3	5.3	3.7	1.7	1.0	51.5
CALAVERAS													
San Andreas	1.2	1.5	2.8	4.4	6.0	7.3	7.9	7.0	5.3	3.2	1.4	0.7	48.8
COLUSA													
Colusa	1.0	1.7	3.4	5.0	6.4	7.6	8.3	7.2	5.4	3.8	1.8	1.1	52.8
Williams	1.2	1.7	2.9	4.5	6.1	7.2	8.5	7.3	5.3	3.4	1.6	1.0	50.8
CONTRA COSTA													
Benicia	1.3	1.4	2.7	3.8	4.9	5.0	6.4	5.5	4.4	2.9	1.2	0.7	40.3
Brentwood	1.0	1.5	2.9	4.5	6.1	7.1	7.9	6.7	5.2	3.2	1.4	0.7	48.3
Concord	1.1	1.4	2.4	4.0	5.5	5.9	7.0	6.0	4.8	3.2	1.3	0.7	43.4
Courtland	0.9	1.5	2.9	4.4	6.1	6.9	7.9	6.7	5.3	3.2	1.4	0.7	48.0
Martinez	1.2	1.4	2.4	3.9	5.3	5.6	6.7	5.6	4.7	3.1	1.2	0.7	41.8
Moraga	1.2	1.5	3.4	4.2	5.5	6.1	6.7	5.9	4.6	3.2	1.6	1.0	44.9
Pittsburg	1.0	1.5	2.8	4.1	5.6	6.4	7.4	6.4	5.0	3.2	1.3	0.7	45.4
Walnut Creek	0.8	1.5	2.9	4.4	5.6	6.7	7.4	6.4	4.7	3.3	1.5	1.0	46.2
DEL NORTE													
Crescent City	0.5	0.9	2.0	3.0	3.7	3.5	4.3	3.7	3.0	2.0	0.9	0.5	27.7
EL DORADO													
Camino	0.9	1.7	2.5	3.9	5.9	7.2	7.8	6.8	5.1	3.1	1.5	0.9	47.3
FRESNO													
Clovis	1.0	1.5	3.2	4.8	6.4	7.7	8.5	7.3	5.3	3.4	1.4	0.7	51.4
Coalinga	1.2	1.7	3.1	4.6	6.2	7.2	8.5	7.3	5.3	3.4	1.6	0.7	50.9
Firebaugh	1.0	1.8	3.7	5.7	7.3	8.1	8.2	7.2	5.5	3.9	2.0	1.1	55.4
FivePoints	1.3	2.0	4.0	6.1	7.7	8.5	8.7	8.0	6.2	4.5	2.4	1.2	60.4
Fresno	0.9	1.7	3.3	4.8	6.7	7.8	8.4	7.1	5.2	3.2	1.4	0.6	51.1
Fresno State	0.9	1.6	3.2	5.2	7.0	8.0	8.7	7.6	5.4	3.6	1.7	0.9	53.7
Friant	1.2	1.5	3.1	4.7	6.4	7.7	8.5	7.3	5.3	3.4	1.4	0.7	51.3

Kerman	0.9	1.5	3.2	4.8	6.6	7.7	8.4	7.2	5.3	3.4	1.4	0.7	51.2
Kingsburg	1.0	1.5	3.4	4.8	6.6	7.7	8.4	7.2	5.3	3.4	1.4	0.7	51.6
Mendota	1.5	2.5	4.6	6.2	7.9	8.6	8.8	7.5	5.9	4.5	2.4	1.5	61.7
Orange Cove	1.2	1.9	3.5	4.7	7.4	8.5	8.9	7.9	5.9	3.7	1.8	1.2	56.7
Panoche	1.1	2.0	4.0	5.6	7.8	8.5	8.3	7.3	5.6	3.9	1.8	1.2	57.2
Parlier	1.0	1.9	3.6	5.2	6.8	7.6	8.1	7.0	5.1	3.4	1.7	0.9	52.0
Reedley	1.1	1.5	3.2	4.7	6.4	7.7	8.5	7.3	5.3	3.4	1.4	0.7	51.3
Westlands	0.9	1.7	3.8	6.3	8.0	8.6	8.6	7.8	5.9	4.3	2.1	1.1	58.8

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
GLENN													
Orland	1.1	1.8	3.4	5.0	6.4	7.5	7.9	6.7	5.3	3.9	1.8	1.4	52.1
Willows	1.2	1.7	2.9	4.7	6.1	7.2	8.5	7.3	5.3	3.6	1.7	1.0	51.3
HUMBOLDT													
Eureka	0.5	1.1	2.0	3.0	3.7	3.7	3.7	3.7	3.0	2.0	0.9	0.5	27.5
Ferndale	0.5	1.1	2.0	3.0	3.7	3.7	3.7	3.7	3.0	2.0	0.9	0.5	27.5
Garberville	0.6	1.2	2.2	3.1	4.5	5.0	5.5	4.9	3.8	2.4	1.0	0.7	34.9
Hoopa	0.5	1.1	2.1	3.0	4.4	5.4	6.1	5.1	3.8	2.4	0.9	0.7	35.6
IMPERIAL													
Brawley	2.8	3.8	5.9	8.0	10.4	11.5	11.7	10.0	8.4	6.2	3.5	2.1	84.2
Calipatria/Mulberry	2.4	3.2	5.1	6.8	8.6	9.2	9.2	8.6	7.0	5.2	3.1	2.3	70.7
El Centro	2.7	3.5	5.6	7.9	10.1	11.1	11.6	9.5	8.3	6.1	3.3	2.0	81.7
Holtville	2.8	3.8	5.9	7.9	10.4	11.6	12.0	10.0	8.6	6.2	3.5	2.1	84.7
Meloland	2.5	3.2	5.5	7.5	8.9	9.2	9.0	8.5	6.8	5.3	3.1	2.2	71.6
Palo Verde II	2.5	3.3	5.7	6.9	8.5	8.9	8.6	7.9	6.2	4.5	2.9	2.3	68.2
Seeley	2.7	3.5	5.9	7.7	9.7	10.1	9.3	8.3	6.9	5.5	3.4	2.2	75.4
Westmoreland	2.4	3.3	5.3	6.9	8.7	9.6	9.6	8.7	6.9	5.0	3.0	2.2	71.4
Yuma	2.5	3.4	5.3	6.9	8.7	9.6	9.6	8.7	6.9	5.0	3.0	2.2	71.6
INYO													
Bishop	1.7	2.7	4.8	6.7	8.2	10.9	7.4	9.6	7.4	4.8	2.5	1.6	68.3
Death Valley Jct	2.2	3.3	5.4	7.7	9.8	11.1	11.4	10.1	8.3	5.4	2.9	1.7	79.1
Independence	1.7	2.7	3.4	6.6	8.5	9.5	9.8	8.5	7.1	3.9	2.0	1.5	65.2
Lower Haiwee Res.	1.8	2.7	4.4	7.1	8.5	9.5	9.8	8.5	7.1	4.2	2.6	1.5	67.6
Oasis	2.7	2.8	5.9	8.0	10.4	11.7	11.6	10.0	8.4	6.2	3.4	2.1	83.1
KERN													
Arvin	1.2	1.8	3.5	4.7	6.6	7.4	8.1	7.3	5.3	3.4	1.7	1.0	51.9
Bakersfield	1.0	1.8	3.5	4.7	6.6	7.7	8.5	7.3	5.3	3.5	1.6	0.9	52.4
Bakersfield/Bonanza	1.2	2.2	3.7	5.7	7.4	8.2	8.7	7.8	5.7	4.0	2.1	1.2	57.9
Bakersfield/Greenlee	1.2	2.2	3.7	5.7	7.4	8.2	8.7	7.8	5.7	4.0	2.1	1.2	57.9
Belridge	1.4	2.2	4.1	5.5	7.7	8.5	8.6	7.8	6.0	3.8	2.0	1.5	59.2
Blackwells Corner	1.4	2.1	3.8	5.4	7.0	7.8	8.5	7.7	5.8	3.9	1.9	1.2	56.6
Buttonwillow	1.0	1.8	3.2	4.7	6.6	7.7	8.5	7.3	5.4	3.4	1.5	0.9	52.0
China Lake	2.1	3.2	5.3	7.7	9.2	10.0	11.0	9.8	7.3	4.9	2.7	1.7	74.8
Delano	0.9	1.8	3.4	4.7	6.6	7.7	8.5	7.3	5.4	3.4	1.4	0.7	52.0
Famoso	1.3	1.9	3.5	4.8	6.7	7.6	8.0	7.3	5.5	3.5	1.7	1.3	53.1
Grapevine	1.3	1.8	3.1	4.4	5.6	6.8	7.6	6.8	5.9	3.4	1.9	1.0	49.5
Inyokern	2.0	3.1	4.9	7.3	8.5	9.7	11.0	9.4	7.1	5.1	2.6	1.7	72.4
Isabella Dam	1.2	1.4	2.8	4.4	5.8	7.3	7.9	7.0	5.0	3.2	1.7	0.9	48.4

Lamont	1.3	2.4	4.4	4.6	6.5	7.0	8.8	7.6	5.7	3.7	1.6	0.8	54.4
Lost Hills	1.6	2.2	3.7	5.1	6.8	7.8	8.7	7.8	5.7	4.0	2.1	1.6	57.1
McFarland/Kern	1.2	2.1	3.7	5.6	7.3	8.0	8.3	7.4	5.6	4.1	2.0	1.2	56.5
Shafter	1.0	1.7	3.4	5.0	6.6	7.7	8.3	7.3	5.4	3.4	1.5	0.9	52.1
Taft	1.3	1.8	3.1	4.3	6.2	7.3	8.5	7.3	5.4	3.4	1.7	1.0	51.2
Tehachapi	1.4	1.8	3.2	5.0	6.1	7.7	7.9	7.3	5.9	3.4	2.1	1.2	52.9
KINGS													
Caruthers	1.6	2.5	4.0	5.7	7.8	8.7	9.3	8.4	6.3	4.4	2.4	1.6	62.7
Corcoran	1.6	2.2	3.7	5.1	6.8	7.8	8.7	7.8	5.7	4.0	2.1	1.6	57.1
Hanford	0.9	1.5	3.4	5.0	6.6	7.7	8.3	7.2	5.4	3.4	1.4	0.7	51.5
Kettleman	1.1	2.0	4.0	6.0	7.5	8.5	9.1	8.2	6.1	4.5	2.2	1.1	60.2
Lemoore	0.9	1.5	3.4	5.0	6.6	7.7	8.3	7.3	5.4	3.4	1.4	0.7	51.7
Stratford	0.9	1.9	3.9	6.1	7.8	8.6	8.8	7.7	5.9	4.1	2.1	1.0	58.7

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
LAKE													
Lakeport	1.1	1.3	2.6	3.5	5.1	6.0	7.3	6.1	4.7	2.9	1.2	0.9	42.8
Lower Lake	1.2	1.4	2.7	4.5	5.3	6.3	7.4	6.4	5.0	3.1	1.3	0.9	45.4
LASSEN													
Buntingville	1.0	1.7	3.5	4.9	6.2	7.3	8.4	7.5	5.4	3.4	1.5	0.9	51.8
Ravendale	0.6	1.1	2.3	4.1	5.6	6.7	7.9	7.3	4.7	2.8	1.2	0.5	44.9
Susanville	0.7	1.0	2.2	4.1	5.6	6.5	7.8	7.0	4.6	2.8	1.2	0.5	44.0
LOS ANGELES													
Burbank	2.1	2.8	3.7	4.7	5.1	6.0	6.6	6.7	5.4	4.0	2.6	2.0	51.7
Claremont	2.0	2.3	3.4	4.6	5.0	6.0	7.0	7.0	5.3	4.0	2.7	2.1	51.3
El Dorado	1.7	2.2	3.6	4.8	5.1	5.7	5.9	5.9	4.4	3.2	2.2	1.7	46.3
Glendale	2.0	2.2	3.3	3.8	4.7	4.8	5.7	5.6	4.3	3.3	2.2	1.8	43.7
Glendora	2.0	2.5	3.6	4.9	5.4	6.1	7.3	6.8	5.7	4.2	2.6	2.0	53.1
Gorman	1.6	2.2	3.4	4.6	5.5	7.4	7.7	7.1	5.9	3.6	2.4	1.1	52.4
Hollywood Hills	2.1	2.2	3.8	5.4	6.0	6.5	6.7	6.4	5.2	3.7	2.8	2.1	52.8
Lancaster	2.1	3.0	4.6	5.9	8.5	9.7	11.0	9.8	7.3	4.6	2.8	1.7	71.1
Long Beach	1.8	2.1	3.3	3.9	4.5	4.3	5.3	4.7	3.7	2.8	1.8	1.5	39.7
Los Angeles	2.2	2.7	3.7	4.7	5.5	5.8	6.2	5.9	5.0	3.9	2.6	1.9	50.1
Monrovia	2.2	2.3	3.8	4.3	5.5	5.9	6.9	6.4	5.1	3.2	2.5	2.0	50.2
Palmdale	2.0	2.6	4.6	6.2	7.3	8.9	9.8	9.0	6.5	4.7	2.7	2.1	66.2
Pasadena	2.1	2.7	3.7	4.7	5.1	6.0	7.1	6.7	5.6	4.2	2.6	2.0	52.3
Pearblossom	1.7	2.4	3.7	4.7	7.3	7.7	9.9	7.9	6.4	4.0	2.6	1.6	59.9
Pomona	1.7	2.0	3.4	4.5	5.0	5.8	6.5	6.4	4.7	3.5	2.3	1.7	47.5
Redondo Beach	2.2	2.4	3.3	3.8	4.5	4.7	5.4	4.8	4.4	2.8	2.4	2.0	42.6
San Fernando	2.0	2.7	3.5	4.6	5.5	5.9	7.3	6.7	5.3	3.9	2.6	2.0	52.0
Santa Clarita	2.8	2.8	4.1	5.6	6.0	6.8	7.6	7.8	5.8	5.2	3.7	3.2	61.5
Santa Monica	1.8	2.1	3.3	4.5	4.7	5.0	5.4	5.4	3.9	3.4	2.4	2.2	44.2
MADERA													
Chowchilla	1.0	1.4	3.2	4.7	6.6	7.8	8.5	7.3	5.3	3.4	1.4	0.7	51.4
Madera	0.9	1.4	3.2	4.8	6.6	7.8	8.5	7.3	5.3	3.4	1.4	0.7	51.5
Raymond	1.2	1.5	3.0	4.6	6.1	7.6	8.4	7.3	5.2	3.4	1.4	0.7	50.5
MARIN													
Black Point	1.1	1.7	3.0	4.2	5.2	6.2	6.6	5.8	4.3	2.8	1.3	0.9	43.0

Novato	1.3	1.5	2.4	3.5	4.4	6.0	5.9	5.4	4.4	2.8	1.4	0.7	39.8
Point San Pedro	1.1	1.7	3.0	4.2	5.2	6.2	6.6	5.8	4.3	2.8	1.3	0.9	43.0
San Rafael	1.2	1.3	2.4	3.3	4.0	4.8	4.8	4.9	4.3	2.7	1.3	0.7	35.8
MARIPOSA													
Coulterville	1.1	1.5	2.8	4.4	5.9	7.3	8.1	7.0	5.3	3.4	1.4	0.7	48.8
Mariposa	1.1	1.5	2.8	4.4	5.9	7.4	8.2	7.1	5.0	3.4	1.4	0.7	49.0
Yosemite Village	0.7	1.0	2.3	3.7	5.1	6.5	7.1	6.1	4.4	2.9	1.1	0.6	41.4
MENDOCINO													
Fort Bragg	0.9	1.3	2.2	3.0	3.7	3.5	3.7	3.7	3.0	2.3	1.2	0.7	29.0
Hopland	1.1	1.3	2.6	3.4	5.0	5.9	6.5	5.7	4.5	2.8	1.3	0.7	40.9
Point Arena	1.0	1.3	2.3	3.0	3.7	3.9	3.7	3.7	3.0	2.3	1.2	0.7	29.6
Sanel Valley	1.0	1.6	3.0	4.6	6.0	7.0	8.0	7.0	5.2	3.4	1.4	0.9	49.1
Ukiah	1.0	1.3	2.6	3.3	5.0	5.8	6.7	5.9	4.5	2.8	1.3	0.7	40.9
MERCED													
Kesterson	0.9	1.7	3.4	5.5	7.3	8.2	8.6	7.4	5.5	3.8	1.8	0.9	55.1
Los Banos	1.0	1.5	3.2	4.7	6.1	7.4	8.2	7.0	5.3	3.4	1.4	0.7	50.0
Merced	1.0	1.5	3.2	4.7	6.6	7.9	8.5	7.2	5.3	3.4	1.4	0.7	51.5

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
MODOC													
Modoc/Alturas	0.9	1.4	2.8	3.7	5.1	6.2	7.5	6.6	4.6	2.8	1.2	0.7	43.2
MONO													
Bridgeport	0.7	0.9	2.2	3.8	5.5	6.6	7.4	6.7	4.7	2.7	1.2	0.5	43.0
MONTEREY													
Arroyo Seco	1.5	2.0	3.7	5.4	6.3	7.3	7.2	6.7	5.0	3.9	2.0	1.6	52.6
Castroville	1.4	1.7	3.0	4.2	4.6	4.8	4.0	3.8	3.0	2.6	1.6	1.4	36.2
Gonzales	1.3	1.7	3.4	4.7	5.4	6.3	6.3	5.9	4.4	3.4	1.9	1.3	45.7
Greenfield	1.8	2.2	3.4	4.8	5.6	6.3	6.5	6.2	4.8	3.7	2.4	1.8	49.5
King City	1.7	2.0	3.4	4.4	4.4	5.6	6.1	6.7	6.5	5.2	2.2	1.3	49.6
King City-Oasis Rd.	1.4	1.9	3.6	5.3	6.5	7.3	7.4	6.8	5.1	4.0	2.0	1.5	52.7
Long Valley	1.5	1.9	3.2	4.1	5.8	6.5	7.3	6.7	5.3	3.6	2.0	1.2	49.1
Monterey	1.7	1.8	2.7	3.5	4.0	4.1	4.3	4.2	3.5	2.8	1.9	1.5	36.0
Pajaro	1.8	2.2	3.7	4.8	5.3	5.7	5.6	5.3	4.3	3.4	2.4	1.8	46.1
Salinas	1.6	1.9	2.7	3.8	4.8	4.7	5.0	4.5	4.0	2.9	1.9	1.3	39.1
Salinas North	1.2	1.5	2.9	4.1	4.6	5.2	4.5	4.3	3.2	2.8	1.5	1.2	36.9
San Ardo	1.0	1.7	3.1	4.5	5.9	7.2	8.1	7.1	5.1	3.1	1.5	1.0	49.0
San Juan	1.8	2.1	3.4	4.6	5.3	5.7	5.5	4.9	3.8	3.2	2.2	1.9	44.2
Soledad	1.7	2.0	3.4	4.4	5.5	5.4	6.5	6.2	5.2	3.7	2.2	1.5	47.7
NAPA													
Angwin	1.8	1.9	3.2	4.7	5.8	7.3	8.1	7.1	5.5	4.5	2.9	2.1	54.9
Carneros	0.8	1.5	3.1	4.6	5.5	6.6	6.9	6.2	4.7	3.5	1.4	1.0	45.8
Oakville	1.0	1.5	2.9	4.7	5.8	6.9	7.2	6.4	4.9	3.5	1.6	1.2	47.7
St Helena	1.2	1.5	2.8	3.9	5.1	6.1	7.0	6.2	4.8	3.1	1.4	0.9	44.1
Yountville	1.3	1.7	2.8	3.9	5.1	6.0	7.1	6.1	4.8	3.1	1.5	0.9	44.3
NEVADA													
Grass Valley	1.1	1.5	2.6	4.0	5.7	7.1	7.9	7.1	5.3	3.2	1.5	0.9	48.0
Nevada City	1.1	1.5	2.6	3.9	5.8	6.9	7.9	7.0	5.3	3.2	1.4	0.9	47.4

ORANGE													
Irvine	2.2	2.5	3.7	4.7	5.2	5.9	6.3	6.2	4.6	3.7	2.6	2.3	49.6
Laguna Beach	2.2	2.7	3.4	3.8	4.6	4.6	4.9	4.9	4.4	3.4	2.4	2.0	43.2
Santa Ana	2.2	2.7	3.7	4.5	4.6	5.4	6.2	6.1	4.7	3.7	2.5	2.0	48.2
PLACER													
Auburn	1.2	1.7	2.8	4.4	6.1	7.4	8.3	7.3	5.4	3.4	1.6	1.0	50.6
Blue Canyon	0.7	1.1	2.1	3.4	4.8	6.0	7.2	6.1	4.6	2.9	0.9	0.6	40.5
Colfax	1.1	1.5	2.6	4.0	5.8	7.1	7.9	7.0	5.3	3.2	1.4	0.9	47.9
Roseville	1.1	1.7	3.1	4.7	6.2	7.7	8.5	7.3	5.6	3.7	1.7	1.0	52.2
Soda Springs	0.7	0.7	1.8	3.0	4.3	5.3	6.2	5.5	4.1	2.5	0.7	0.7	35.4
Tahoe City	0.7	0.7	1.7	3.0	4.3	5.4	6.1	5.6	4.1	2.4	0.8	0.6	35.5
Truckee	0.7	0.7	1.7	3.2	4.4	5.4	6.4	5.7	4.1	2.4	0.8	0.6	36.2
PLUMAS													
Portola	0.7	0.9	1.9	3.5	4.9	5.9	7.3	5.9	4.3	2.7	0.9	0.5	39.4
Quincy	0.7	0.9	2.2	3.5	4.9	5.9	7.3	5.9	4.4	2.8	1.2	0.5	40.2
RIVERSIDE													
Beaumont	2.0	2.3	3.4	4.4	6.1	7.1	7.6	7.9	6.0	3.9	2.6	1.7	55.0
Blythe	2.4	3.3	5.3	6.9	8.7	9.6	9.6	8.7	6.9	5.0	3.0	2.2	71.4
Cathedral City	1.6	2.2	3.7	5.1	6.8	7.8	8.7	7.8	5.7	4.0	2.1	1.6	57.1
Coachella	2.9	4.4	6.2	8.4	10.5	11.9	12.3	10.1	8.9	6.2	3.8	2.4	88.1
Desert Center	2.9	4.1	6.4	8.5	11.0	12.1	12.2	11.1	9.0	6.4	3.9	2.6	90.0
Elsinore	2.1	2.8	3.9	4.4	5.9	7.1	7.6	7.0	5.8	3.9	2.6	1.9	55.0
Indio	3.1	3.6	6.5	8.3	10.5	11.0	10.8	9.7	8.3	5.9	3.7	2.7	83.9

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
RIVERSIDE													
La Quinta	2.4	2.8	5.2	6.5	8.3	8.7	8.5	7.9	6.5	4.5	2.7	2.2	66.2
Mecca	2.6	3.3	5.7	7.2	8.6	9.0	8.8	8.2	6.8	5.0	3.2	2.4	70.8
Oasis	2.9	3.3	5.3	6.1	8.5	8.9	8.7	7.9	6.9	4.8	2.9	2.3	68.4
Palm Deser	2.5	3.4	5.3	6.9	8.7	9.6	9.6	8.7	6.9	5.0	3.0	2.2	71.6
Palm Springs	2.0	2.9	4.9	7.2	8.3	8.5	11.6	8.3	7.2	5.9	2.7	1.7	71.1
Rancho California	1.8	2.2	3.4	4.8	5.6	6.3	6.5	6.2	4.8	3.7	2.4	1.8	49.5
Rancho Mirage	2.4	3.3	5.3	6.9	8.7	9.6	9.6	8.7	6.9	5.0	3.0	2.2	71.4
Ripley	2.7	3.3	5.6	7.2	8.7	8.7	8.4	7.6	6.2	4.6	2.8	2.2	67.8
Salton Sea North	2.5	3.3	5.5	7.2	8.8	9.3	9.2	8.5	6.8	5.2	3.1	2.3	71.7
Temecula East II	2.3	2.4	4.1	4.9	6.4	7.0	7.8	7.4	5.7	4.1	2.6	2.2	56.7
Thermal	2.4	3.3	5.5	7.6	9.1	9.6	9.3	8.6	7.1	5.2	3.1	2.1	72.8
Riverside UC	2.5	2.9	4.2	5.3	5.9	6.6	7.2	6.9	5.4	4.1	2.9	2.6	56.4
Winchester	2.3	2.4	4.1	4.9	6.4	6.9	7.7	7.5	6.0	3.9	2.6	2.1	56.8
SACRAMENTO													
Fair Oaks	1.0	1.6	3.4	4.1	6.5	7.5	8.1	7.1	5.2	3.4	1.5	1.0	50.5
Sacramento	1.0	1.8	3.2	4.7	6.4	7.7	8.4	7.2	5.4	3.7	1.7	0.9	51.9
Twitchell Island	1.2	1.8	3.9	5.3	7.4	8.8	9.1	7.8	5.9	3.8	1.7	1.2	57.9
SAN BENITO													
Hollister	1.5	1.8	3.1	4.3	5.5	5.7	6.4	5.9	5.0	3.5	1.7	1.1	45.1
San Benito	1.2	1.6	3.1	4.6	5.6	6.4	6.9	6.5	4.8	3.7	1.7	1.2	47.2
San Juan Valley	1.4	1.8	3.4	4.5	6.0	6.7	7.1	6.4	5.0	3.5	1.8	1.4	49.1
SAN BERNARDINO													

Baker	2.7	3.9	6.1	8.3	10.4	11.8	12.2	11.0	8.9	6.1	3.3	2.1	86.6
Barstow NE	2.2	2.9	5.3	6.9	9.0	10.1	9.9	8.9	6.8	4.8	2.7	2.1	71.7
Big Bear Lake	1.8	2.6	4.6	6.0	7.0	7.6	8.1	7.4	5.4	4.1	2.4	1.8	58.6
Chino	2.1	2.9	3.9	4.5	5.7	6.5	7.3	7.1	5.9	4.2	2.6	2.0	54.6
Crestline	1.5	1.9	3.3	4.4	5.5	6.6	7.8	7.1	5.4	3.5	2.2	1.6	50.8
Lake Arrowhead	1.8	2.6	4.6	6.0	7.0	7.6	8.1	7.4	5.4	4.1	2.4	1.8	58.6
Lucerne Valley	2.2	2.9	5.1	6.5	9.1	11.0	11.4	9.9	7.4	5.0	3.0	1.8	75.3
Needles	3.2	4.2	6.6	8.9	11.0	12.4	12.8	11.0	8.9	6.6	4.0	2.7	92.1
Newberry Springs	2.1	2.9	5.3	8.4	9.8	10.9	11.1	9.9	7.6	5.2	3.1	2.0	78.2
San Bernardino	2.0	2.7	3.8	4.6	5.7	6.9	7.9	7.4	5.9	4.2	2.6	2.0	55.6
Twentynine Palms	2.6	3.6	5.9	7.9	10.1	11.2	11.2	10.3	8.6	5.9	3.4	2.2	82.9
Victorville	2.0	2.6	4.6	6.2	7.3	8.9	9.8	9.0	6.5	4.7	2.7	2.1	66.2
SAN DIEGO													
Chula Vista	2.2	2.7	3.4	3.8	4.9	4.7	5.5	4.9	4.5	3.4	2.4	2.0	44.2
Escondido SPV	2.4	2.6	3.9	4.7	5.9	6.5	7.1	6.7	5.3	3.9	2.8	2.3	54.2
Miramar	2.3	2.5	3.7	4.1	5.1	5.4	6.1	5.8	4.5	3.3	2.4	2.1	47.1
Oceanside	2.2	2.7	3.4	3.7	4.9	4.6	4.6	5.1	4.1	3.3	2.4	2.0	42.9
Otay Lake	2.3	2.7	3.9	4.6	5.6	5.9	6.2	6.1	4.8	3.7	2.6	2.2	50.4
Pine Valley	1.5	2.4	3.8	5.1	6.0	7.0	7.8	7.3	6.0	4.0	2.2	1.7	54.8
Ramona	2.1	2.1	3.4	4.6	5.2	6.3	6.7	6.8	5.3	4.1	2.8	2.1	51.6
San Diego	2.1	2.4	3.4	4.6	5.1	5.3	5.7	5.6	4.3	3.6	2.4	2.0	46.5
Santee	2.1	2.7	3.7	4.5	5.5	6.1	6.6	6.2	5.4	3.8	2.6	2.0	51.1
Torrey Pines	2.2	2.3	3.4	3.9	4.0	4.1	4.6	4.7	3.8	2.8	2.0	2.0	39.8
Warner Springs	1.6	2.7	3.7	4.7	5.7	7.6	8.3	7.7	6.3	4.0	2.5	1.3	56.0
SAN FRANCISCO													
San Francisco	1.5	1.3	2.4	3.0	3.7	4.6	4.9	4.8	4.1	2.8	1.3	0.7	35.1
SAN JOAQUIN													
Farmington	1.5	1.5	2.9	4.7	6.2	7.6	8.1	6.8	5.3	3.3	1.4	0.7	50.0
Appendix A - Reference Evapotranspiration (ET _o) Table*													

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
SAN JOAQUIN													
Lodi West	1.0	1.6	3.3	4.3	6.3	6.9	7.3	6.4	4.5	3.0	1.4	0.8	46.7
Manteca	0.9	1.7	3.4	5.0	6.5	7.5	8.0	7.1	5.2	3.3	1.6	0.9	51.2
Stockton	0.8	1.5	2.9	4.7	6.2	7.4	8.1	6.8	5.3	3.2	1.4	0.6	49.1
Tracy	1.0	1.5	2.9	4.5	6.1	7.3	7.9	6.7	5.3	3.2	1.3	0.7	48.5
SAN LUIS OBISPO													
Arroyo Grande	2.0	2.2	3.2	3.8	4.3	4.7	4.3	4.6	3.8	3.2	2.4	1.7	40.0
Atascadero	1.2	1.5	2.8	3.9	4.5	6.0	6.7	6.2	5.0	3.2	1.7	1.0	43.7
Morro Bay	2.0	2.2	3.1	3.5	4.3	4.5	4.6	4.6	3.8	3.5	2.1	1.7	39.9
Nipomo	2.2	2.5	3.8	5.1	5.7	6.2	6.4	6.1	4.9	4.1	2.9	2.3	52.1
Paso Robles	1.6	2.0	3.2	4.3	5.5	6.3	7.3	6.7	5.1	3.7	2.1	1.4	49.0
San Luis Obispo	2.0	2.2	3.2	4.1	4.9	5.3	4.6	5.5	4.4	3.5	2.4	1.7	43.8
San Miguel	1.6	2.0	3.2	4.3	5.0	6.4	7.4	6.8	5.1	3.7	2.1	1.4	49.0
San Simeon	2.0	2.0	2.9	3.5	4.2	4.4	4.6	4.3	3.5	3.1	2.0	1.7	38.1
SAN MATEO													
Hal Moon Bay	1.5	1.7	2.4	3.0	3.9	4.3	4.3	4.2	3.5	2.8	1.3	1.0	33.7
Redwood City	1.5	1.8	2.9	3.8	5.2	5.3	6.2	5.6	4.8	3.1	1.7	1.0	42.8
Woodside	1.8	2.2	3.4	4.8	5.6	6.3	6.5	6.2	4.8	3.7	2.4	1.8	49.5

SANTA BARBARA

Betteravia	2.1	2.6	4.0	5.2	6.0	5.9	5.8	5.4	4.1	3.3	2.7	2.1	49.1
Carpenteria	2.0	2.4	3.2	3.9	4.8	5.2	5.5	5.7	4.5	3.4	2.4	2.0	44.9
Cuyama	2.1	2.4	3.8	5.4	6.9	7.9	8.5	7.7	5.9	4.5	2.6	2.0	59.7
Goleta	2.1	2.5	3.9	5.1	5.7	5.7	5.4	5.4	4.2	3.2	2.8	2.2	48.1
Goleta Foothills	2.3	2.6	3.7	5.4	5.3	5.6	5.5	5.7	4.5	3.9	2.8	2.3	49.6
Guadalupe	2.0	2.2	3.2	3.7	4.9	4.6	4.5	4.6	4.1	3.3	2.4	1.7	41.1
Lompoc	2.0	2.2	3.2	3.7	4.8	4.6	4.9	4.8	3.9	3.2	2.4	1.7	41.1
Los Alamos	1.8	2.0	3.2	4.1	4.9	5.3	5.7	5.5	4.4	3.7	2.4	1.6	44.6
Santa Barbara	2.0	2.5	3.2	3.8	4.6	5.1	5.5	4.5	3.4	2.4	1.8	1.8	40.6
Santa Maria	1.8	2.3	3.7	5.1	5.7	5.8	5.6	5.3	4.2	3.5	2.4	1.9	47.4
Santa Ynez	1.7	2.2	3.5	5.0	5.8	6.2	6.4	6.0	4.5	3.6	2.2	1.7	48.7
Sisquoc	2.1	2.5	3.8	4.1	6.1	6.3	6.4	5.8	4.7	3.4	2.3	1.8	49.2
Solvang	2.0	2.0	3.3	4.3	5.0	5.6	6.1	5.6	4.4	3.7	2.2	1.6	45.6

SANTA CLARA

Gilroy	1.3	1.8	3.1	4.1	5.3	5.6	6.1	5.5	4.7	3.4	1.7	1.1	43.6
Los Gatos	1.5	1.8	2.8	3.9	5.0	5.6	6.2	5.5	4.7	3.2	1.7	1.1	42.9
Morgan Hill	1.5	1.8	3.4	4.2	6.3	7.0	7.1	6.0	5.1	3.7	1.9	1.4	49.5
Palo Alto	1.5	1.8	2.8	3.8	5.2	5.3	6.2	5.6	5.0	3.2	1.7	1.0	43.0
San Jose	1.5	1.8	3.1	4.1	5.5	5.8	6.5	5.9	5.2	3.3	1.8	1.0	45.3

SANTA CRUZ

De Laveaga	1.4	1.9	3.3	4.7	4.9	5.3	5.0	4.8	3.6	3.0	1.6	1.3	40.8
Green Valley Rd	1.2	1.8	3.2	4.5	4.6	5.4	5.2	5.0	3.7	3.1	1.6	1.3	40.6
Santa Cruz	1.5	1.8	2.6	3.5	4.3	4.4	4.8	4.4	3.8	2.8	1.7	1.2	36.6
Watsonville	1.5	1.8	2.7	3.7	4.6	4.5	4.9	4.2	4.0	2.9	1.8	1.2	37.7
Webb	1.8	2.2	3.7	4.8	5.3	5.7	5.6	5.3	4.3	3.4	2.4	1.8	46.2

SHASTA

Burney	0.7	1.0	2.1	3.5	4.9	5.9	7.4	6.4	4.4	2.9	0.9	0.6	40.9
Fall River Mills	0.6	1.0	2.1	3.7	5.0	6.1	7.8	6.7	4.6	2.8	0.9	0.5	41.8
Glenburn	0.6	1.0	2.1	3.7	5.0	6.3	7.8	6.7	4.7	2.8	0.9	0.6	42.1
McArthur	0.7	1.4	2.9	4.2	5.6	6.9	8.2	7.2	5.0	3.0	1.1	0.6	46.8
Redding	1.2	1.4	2.6	4.1	5.6	7.1	8.5	7.3	5.3	3.2	1.4	0.9	48.8

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
SIERRA													
Downieville	0.7	1.0	2.3	3.5	5.0	6.0	7.4	6.2	4.7	2.8	0.9	0.6	41.3
Sierraville	0.7	1.1	2.2	3.2	4.5	5.9	7.3	6.4	4.3	2.6	0.9	0.5	39.6
SISKIYOU													
Happy Camp	0.5	0.9	2.0	3.0	4.3	5.2	6.1	5.3	4.1	2.4	0.9	0.5	35.1
MacDoel	1.0	1.7	3.1	4.5	5.9	7.2	8.1	7.1	5.1	3.1	1.5	1.0	49.0
Mt Shasta	0.5	0.9	2.0	3.0	4.5	5.3	6.7	5.7	4.0	2.2	0.7	0.5	36.0
Tule lake FS	0.7	1.3	2.7	4.0	5.4	6.3	7.1	6.4	4.7	2.8	1.0	0.6	42.9
Weed	0.5	0.9	2.0	2.5	4.5	5.3	6.7	5.5	3.7	2.0	0.9	0.5	34.9
Yreka	0.6	0.9	2.1	3.0	4.9	5.8	7.3	6.5	4.3	2.5	0.9	0.5	39.2
SOLANO													
Dixon	0.7	1.4	3.2	5.2	6.3	7.6	8.2	7.2	5.5	4.3	1.6	1.1	52.1
Fairfield	1.1	1.7	2.8	4.0	5.5	6.1	7.8	6.0	4.8	3.1	1.4	0.9	45.2

Hastings Tract	1.6	2.2	3.7	5.1	6.8	7.8	8.7	7.8	5.7	4.0	2.1	1.6	57.1
Putah Creek	1.0	1.6	3.2	4.9	6.1	7.3	7.9	7.0	5.3	3.8	1.8	1.2	51.0
Rio Vista	0.9	1.7	2.8	4.4	5.9	6.7	7.9	6.5	5.1	3.2	1.3	0.7	47.0
Suisun Valley	0.6	1.3	3.0	4.7	5.8	7.0	7.7	6.8	5.3	3.8	1.4	0.9	48.3
Winters	0.9	1.7	3.3	5.0	6.4	7.5	7.9	7.0	5.2	3.5	1.6	1.0	51.0
SONOMA													
Bennett Valley	1.1	1.7	3.2	4.1	5.5	6.5	6.6	5.7	4.5	3.1	1.5	0.9	44.4
Cloverdale	1.1	1.4	2.6	3.4	5.0	5.9	6.2	5.6	4.5	2.8	1.4	0.7	40.7
Fort Ross	1.2	1.4	2.2	3.0	3.7	4.5	4.2	4.3	3.4	2.4	1.2	0.5	31.9
Healdsburg	1.2	1.5	2.4	3.5	5.0	5.9	6.1	5.6	4.5	2.8	1.4	0.7	40.8
Lincoln	1.2	1.7	2.8	4.7	6.1	7.4	8.4	7.3	5.4	3.7	1.9	1.2	51.9
Petaluma	1.2	1.5	2.8	3.7	4.6	5.6	4.6	5.7	4.5	2.9	1.4	0.9	39.6
Santa Rosa	1.2	1.7	2.8	3.7	5.0	6.0	6.1	5.9	4.5	2.9	1.5	0.7	42.0
Valley of the Moon	1.0	1.6	3.0	4.5	5.6	6.6	7.1	6.3	4.7	3.3	1.5	1.0	46.1
Windsor	0.9	1.6	3.0	4.5	5.5	6.5	6.5	5.9	4.4	3.2	1.4	1.0	44.2
STANISLAUS													
Denair	1.0	1.9	3.6	4.7	7.0	7.9	8.0	6.1	5.3	3.4	1.5	1.0	51.4
La Grange	1.2	1.5	3.1	4.7	6.2	7.7	8.5	7.3	5.3	3.4	1.4	0.7	51.2
Modesto	0.9	1.4	3.2	4.7	6.4	7.7	8.1	6.8	5.0	3.4	1.4	0.7	49.7
Newman	1.0	1.5	3.2	4.6	6.2	7.4	8.1	6.7	5.0	3.4	1.4	0.7	49.3
Oakdale	1.2	1.5	3.2	4.7	6.2	7.7	8.1	7.1	5.1	3.4	1.4	0.7	50.3
Patterson	1.3	2.1	4.2	5.4	7.9	8.6	8.2	6.6	5.8	4.0	1.9	1.3	57.3
Turlock	0.9	1.5	3.2	4.7	6.5	7.7	8.2	7.0	5.1	3.4	1.4	0.7	50.2
SUTTER													
Nicolaus	0.9	1.6	3.2	4.9	6.3	7.5	8.0	6.9	5.2	3.4	1.5	0.9	50.2
Yuba City	1.3	2.1	2.8	4.4	5.7	7.2	7.1	6.1	4.7	3.2	1.2	0.9	46.7
TEHAMA													
Corning	1.2	1.8	2.9	4.5	6.1	7.3	8.1	7.2	5.3	3.7	1.7	1.1	50.7
Gerber	1.0	1.8	3.5	5.0	6.6	7.9	8.7	7.4	5.8	4.1	1.8	1.1	54.7
Gerber Dryland	0.9	1.6	3.2	4.7	6.7	8.4	9.0	7.9	6.0	4.2	2.0	1.0	55.5
Red Bluff	1.2	1.8	2.9	4.4	5.9	7.4	8.5	7.3	5.4	3.5	1.7	1.0	51.1
TRINITY													
Hay Fork	0.5	1.1	2.3	3.5	4.9	5.9	7.0	6.0	4.5	2.8	0.9	0.7	40.1
Weaverville	0.6	1.1	2.2	3.3	4.9	5.9	7.3	6.0	4.4	2.7	0.9	0.7	40.0
TULARE													
Alpaugh	0.9	1.7	3.4	4.8	6.6	7.7	8.2	7.3	5.4	3.4	1.4	0.7	51.6
Badger	1.0	1.3	2.7	4.1	6.0	7.3	7.7	7.0	4.8	3.3	1.4	0.7	47.3
Delano	1.1	1.9	4.0	4.9	7.2	7.9	8.1	7.3	5.4	3.2	1.5	1.2	53.6

Appendix A - Reference Evapotranspiration (ET_o) Table*

County and City	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual ET _o
TULARE													
Dinuba	1.1	1.5	3.2	4.7	6.2	7.7	8.5	7.3	5.3	3.4	1.4	0.7	51.2
Lindcove	0.9	1.6	3.0	4.8	6.5	7.6	8.1	7.2	5.2	3.4	1.6	0.9	50.6
Porterville	1.2	1.8	3.4	4.7	6.6	7.7	8.5	7.3	5.3	3.4	1.4	0.7	52.1
Visalia	0.9	1.7	3.3	5.1	6.8	7.7	7.9	6.9	4.9	3.2	1.5	0.8	50.7
TUOLUMNE													
Groveland	1.1	1.5	2.8	4.1	5.7	7.2	7.9	6.6	5.1	3.3	1.4	0.7	47.5
Sonora	1.1	1.5	2.8	4.1	5.8	7.2	7.9	6.7	5.1	3.2	1.4	0.7	47.6

VENTURA													
Camarillo	2.2	2.5	3.7	4.3	5.0	5.2	5.9	5.4	4.2	3.0	2.5	2.1	46.1
Oxnard	2.2	2.5	3.2	3.7	4.4	4.6	5.4	4.8	4.0	3.3	2.4	2.0	42.3
Piru	2.8	2.8	4.1	5.6	6.0	6.8	7.6	7.8	5.8	5.2	3.7	3.2	61.5
Port Hueneme	2.0	2.3	3.3	4.6	4.9	4.9	4.9	5.0	3.7	3.2	2.5	2.2	43.5
Thousand Oaks	2.2	2.6	3.4	4.5	5.4	5.9	6.7	6.4	5.4	3.9	2.6	2.0	51.0
Ventura	2.2	2.6	3.2	3.8	4.6	4.7	5.5	4.9	4.1	3.4	2.5	2.0	43.5
YOLO													
Bryte	0.9	1.7	3.3	5.0	6.4	7.5	7.9	7.0	5.2	3.5	1.6	1.0	51.0
Davis	1.0	1.9	3.3	5.0	6.4	7.6	8.2	7.1	5.4	4.0	1.8	1.0	52.5
Esparto	1.0	1.7	3.4	5.5	6.9	8.1	8.5	7.5	5.8	4.2	2.0	1.2	55.8
Winters	1.7	1.7	2.9	4.4	5.8	7.1	7.9	6.7	5.3	3.3	1.6	1.0	49.4
Woodland	1.0	1.8	3.2	4.7	6.1	7.7	8.2	7.2	5.4	3.7	1.7	1.0	51.6
Zamora	1.1	1.9	3.5	5.2	6.4	7.4	7.8	7.0	5.5	4.0	1.9	1.2	52.8
YUBA													
Browns Valley	1.0	1.7	3.1	4.7	6.1	7.5	8.5	7.6	5.7	4.1	2.0	1.1	52.9
Brownsville	1.1	1.4	2.6	4.0	5.7	6.8	7.9	6.8	5.3	3.4	1.5	0.9	47.4

* The values in this table were derived from:

- 1) California Irrigation Management Information System (CIMIS);
- 2) Reference EvapoTranspiration Zones Map, UC Dept. of Land, Air & Water Resources and California Dept of Water Resources 1999; and
- 3) Reference Evapotranspiration for California, University of California, Department of Agriculture and Natural Resources (1987) Bulletin 1922, 4) Determining Daily Reference Evapotranspiration, Cooperative Extension UC Division of Agriculture and Natural Resources (1987), Publication Leaflet 21426

SECTION B. WATER BUDGET CALCULATIONS

Section B1. Maximum Applied Water Allowance (MAWA)

The project's Maximum Applied Water Allowance shall be calculated using this equation:

$$\text{MAWA} = (\text{ETo}) (0.62) [(0.7 \times \text{LA}) + (0.3 \times \text{SLA})]$$

where:

- MAWA = Maximum Applied Water Allowance (gallons per year)
- ETo = Reference Evapotranspiration from Appendix A (inches per year)
- 0.7 = ET Adjustment Factor (ETAF)
- LA = Landscaped Area includes Special Landscape Area (square feet)
- 0.62 = Conversion factor (to gallons per square foot)
- SLA = Portion of the landscape area identified as Special Landscape Area (square feet)
- 0.3 = the additional ET Adjustment Factor for Special Landscape Area ($1.0 - 0.7 = 0.3$)

Maximum Applied Water Allowance = _____gallons per year

Show calculations.

Effective Precipitation (Eppt)

If considering Effective Precipitation, use 25% of annual precipitation. Use the following equation to calculate Maximum Applied Water Allowance:

$$\text{MAWA} = (\text{ETo} - \text{Eppt}) (0.62) [(0.7 \times \text{LA}) + (0.3 \times \text{SLA})]$$

Maximum Applied Water Allowance = _____gallons per year

Show calculations.

The project's Estimated Total Water Use is calculated using the following formula:

$$ETWU = (ET_o)(0.62) \left(\frac{PF \times HA}{IE} + SLA \right)$$

where:

- ETWU = Estimated total water use per year (gallons per year)
- ET_o = Reference Evapotranspiration (inches per year)
- PF = Plant Factor from WUCOLS (see Definitions)
- HA = Hydrozone Area [high, medium, and low water use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor (to gallons per square foot)
- IE = Irrigation Efficiency (minimum 0.71)

Hydrozone Table for Calculating ETWU

Please complete the hydrozone table(s). Use as many tables as necessary.

Hydrozone	Plant Water Use Type(s)	Plant Factor (PF)	Area (HA) (square feet)	PF x HA (square feet)
			Sum	
	SLA			

Estimated Total Water Use = _____gallons

Show calculations.

Appendix C Sample Certificate of Completion

CERTIFICATE OF COMPLETION

This certificate is filled out by the project applicant upon completion of the landscape project.

PART 1. PROJECT INFORMATION SHEET

Date		
Project Name		
Name of Project Applicant	Telephone No.	
	Fax No.	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Project Address and Location:

Street Address	Parcel, tract or lot number, if available.	
City	Latitude/Longitude (optional)	
State	Zip Code	

Property Owner or his/her designee:

Name	Telephone No.	
	Fax No.	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Property Owner

"I/we certify that I/we have received copies of all the documents within the Landscape Documentation Package and the Certificate of Completion and that it is our responsibility to see that the project is maintained in accordance with the Landscape and Irrigation Maintenance Schedule."

Property Owner Signature Date

Please answer the questions below:

1. Date the Landscape Documentation Package was submitted to the local agency _____
2. Date the Landscape Documentation Package was approved by the local agency _____

3. Date that a copy of the Water Efficient Landscape Worksheet (including the Water Budget Calculation) was submitted to the local water purveyor _____

PART 2. CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

"I/we certify that based upon periodic site observations, the work has been substantially completed in accordance with the ordinance and that the landscape planting and irrigation installation conform with the criteria and specifications of the approved Landscape Documentation Package."

Signature*	Date	
Name (print)	Telephone No.	
	Fax No.	
Title	Email Address	
License No. or Certification No.		
Company	Street Address	
City	State	Zip Code

*Signer of the landscape design plan, signer of the irrigation plan, or a licensed landscape contractor.

PART 3. IRRIGATION SCHEDULING

Attach parameters for setting the irrigation schedule on controller per ordinance Section 492.10.

PART 4. SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

Attach schedule of Landscape and Irrigation Maintenance per ordinance Section 492.11.

PART 5. LANDSCAPE IRRIGATION AUDIT REPORT

Attach Landscape Irrigation Audit Report per ordinance Section 492.12.

PART 6. SOIL MANAGEMENT REPORT

Attach soil analysis report, if not previously submitted with the Landscape Documentation Package per ordinance Section 492.5.

Attach documentation verifying implementation of recommendations from soil analysis report per ordinance Section 492.5.

Fresno County 80/20 Program

On February 17, 2009 President Barack Obama signed the American Recovery and Reinvestment Act of 2009 (ARRA). The 80/20 Stimulus



Project is one of the

new, exciting programs that resulted from the Act which has made available millions of dollars to Fresno County businesses through unprecedented labor subsidies aimed at revitalizing local businesses and mobilizing the workforce.

Fresno County companies of all sizes, from all industries, private, non-profit, and municipal bodies are eligible to be reimbursed 80% of cost associated with hiring new, qualified* hires (full-time regular positions). The reimbursement will cover wages and administration fees which include:

- Work –related supplies and materials
- Training and supervision expenses
- Other related costs

* Qualified Hires are the thousands of job-ready candidates affected by the current economic climate and enrolled in the County of Fresno Department of Employment and Temporary Assistance CalWorks program (approximate 11,000 job seekers; this number will be going up to 40,000 in December).

For more information visit: www.fresnoetastimulus.org

[Workshop Calendar](#)



1400 K Street, Suite 400 • Sacramento, California 95814
Phone: 916.658.8200 Fax: 916.658.8240
www.cacities.org

TO: California City Officials
FROM: Chris McKenzie, Executive Director
RE: Ballot Measure Filed to Protect Funding for Public Safety, Transportation, Redevelopment, Transit and Other Vital Local Services
DATE: October 20, 2009

EXECUTIVE SUMMARY: *The League is part of a coalition that filed a proposed initiative ballot measure today for the November 2010 ballot to protect local government (including redevelopment), transportation and transit revenues from state raids and loans. This memo summarizes its contents and alerts you to two upcoming briefings on the measure.*

Special City Official Briefings

Please RSVP to your regional manager to participate on a conference call briefing about the Revenue Protection Measure

Wednesday, Oct. 21, 1:30 p.m.

Call-in number: (888) 390- 0677

Pass code: LOCAL

Thursday, Oct. 22, 8:30 a.m.

Call-in number: (888) 769- 8913

Pass code: LOCAL

I wanted to share with you some very important news for the future of city services. Today, a coalition (including the League) of local government, transportation and public transit leaders filed an initiative ballot measure -- called the Local Taxpayer, Public Safety and Transportation Protection Act -- with the California Attorney General's office. (Two alternative versions of the ballot measure actually were filed, but their content is virtually identical. The major difference is formatting).

We are working to have this measure placed on the statewide ballot for November 2010. If passed by voters, the measure would close loopholes and prevent the State from borrowing, raiding or

otherwise redirecting local government (local taxes, property taxes, redevelopment), transportation (HUTA and Prop. 42 funds) and public transit funds.

More than 300 city officials participated in a historic summit this summer where we came together with over 200 of our colleagues from the school boards and counties to focus on the need for state governance and fiscal reform. At that summit, participants selected "Local Revenue Protection" as the highest reform priority.

Many of you also attended the League's annual conference last month in San Jose where the voting delegates unanimously voted to support the League's co-sponsorship of a ballot measure for November 2010 to tighten protections of city and transportation revenues. No one can doubt the need for this measure after the state came dangerously close to stealing \$1 billion in local gas tax revenues and actually did borrow \$2 billion in local property taxes, seize billions in redevelopment agency funds and take \$697 million of transit funds.

Let me now tell you about the work of a growing coalition the League has joined to protect local revenues and local services. Specifically, the ballot measure our coalition filed today would:

Prohibit the State from taking, borrowing or redirecting local taxpayer funds dedicated to public safety, emergency response and other vital local government services (including redevelopment). The measure would close loopholes to prevent the taking of local taxpayer funds currently dedicated to cities, counties and special districts. It would also revoke the State's authority to borrow local government property tax funds or divert local redevelopment funds.

Protect vital, dedicated transportation and public transit funds from state raids. The measure would prevent State borrowing, taking or redirecting of the state sales tax on gasoline (Prop. 42 funds) and Highway User Tax on gasoline (HUTA) funds that are dedicated to transportation maintenance and improvements. It would also prevent the State from redirecting or taking public transit funds.

For more information, join the League officers and me for one of our special briefing calls on this matter. See page one for the details.

Filing the measure with the Attorney General's office is just the first step in a long and expensive process of qualifying a measure for the November 2010 ballot and securing voter approval. The coalition will receive the official Title and Summary in late November or early December 2009 and, at that point, can proceed with collecting the approximately 1 million signatures needed to qualify for the November ballot.

With the State continuing to raid and borrow local government, transit and transportation funds, this measure is desperately needed to protect taxpayers and the vital local government and transportation services that support our quality of life and economy.

As a core partner in this effort, the League will keep you informed as the process moves forward. If we proceed, we will need a strong grassroots and fundraising effort. In fact, **the most important factor** to the League board in determining whether to support gathering signatures and filing one of the measures will be the strength of interest and commitment to signature gathering and fundraising by city officials. In other words, the fate of this measure is in your hands and those of thousands of your colleagues around the state.

The coalition released a news release today announcing the filing of the measure. It's been posted on the League's Web site at www.cacities.org/resource_files/28386.10-20-09_Local_Protection_Measure_Filed.doc.

Copies of the short and long versions of the ballot measures filed with the Attorney General have been posted on the League's Web site.

Short: www.cacities.org/resource_files/28385.BallotMeasurePublicSafetyShortVersion.pdf

Long: www.cacities.org/resource_files/28384.BallotMeasurePublicSafetyLongVersion.pdf

You can also visit the campaign's Web site at www.savelocalservices.com for additional information and what you can do to help. ***If you do so, however, you should only do it from a private computer and not on city time.***

Thank you again for all of your hard work on behalf of the cities you serve.

**Note: This memo was not paid for with public funds.*