



**City Council
Successor Redevelopment Agency
Financing Authority
Housing Authority**

AGENDA

Wednesday

Regular

**Closed Session 5:30 p.m.
Regular Session 6:00 p.m.**

November 18, 2015

**City Hall
100 West California Avenue
Ridgecrest CA 93555**

(760) 499-5000

**Peggy Breeden, Mayor
James Sanders, Mayor Pro Tempore
Lori Acton, Vice Mayor
Eddie B. Thomas, Council Member
Mike Mower, Council Member**

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LAST ORDINANCE NO. 15-04
LAST RESOLUTION CITY COUNCIL NO. 15-106

AMENDED
CITY OF RIDGECREST

**CITY COUNCIL
REDEVELOPMENT SUCCESSOR AGENCY
HOUSING AUTHORITY
FINANCING AUTHORITY**

AGENDA

Regular Council
Wednesday November 18, 2015

CITY COUNCIL CHAMBERS CITY HALL
100 West California Avenue
Ridgecrest, CA 93555

Closed Session – 5:30 p.m.
Regular Session – 6:00 p.m.

This meeting room is wheelchair accessible. Accommodations and access to City meetings for people with other handicaps may be requested of the City Clerk (499-5002) five working days in advance of the meeting.

In compliance with SB 343. City Council Agenda and corresponding writings of open session items are available for public inspection at the following locations:

1. City of Ridgecrest City Hall, 100 W. California Ave., Ridgecrest, CA 93555
2. Kern County Library – Ridgecrest Branch, 131 E. Las Flores Avenue, Ridgecrest, CA 93555
3. City of Ridgecrest official website at <http://ci.ridgecrest.ca.us>

CALL TO ORDER

ROLL CALL

APPROVAL OF AGENDA

PUBLIC COMMENT – CLOSED SESSION

CLOSED SESSION

GC54956.9 (d) (4) Conference With Legal Counsel – Existing Litigation –
Cameron Rainwater v. City Of Ridgecrest

REGULAR SESSION – 6:00 p.m.

- Pledge Of Allegiance
- Invocation

CITY ATTORNEY REPORT

- Closed Session
- Other

PRESENTATIONS

1. Presentation Of A Proclamation Recognizing Allen Soard For Attaining Eagle Scout Designation Council

PUBLIC COMMENT

COUNCIL ANNOUNCEMENTS

CONSENT CALENDAR

2. Adopt A Resolution Of The City Council Of The City Of Ridgecrest Authorizing The Disability Retirement Of Sworn Safety Member Michael D. Myers Strand
3. Approve Draft Minutes Of The Ridgecrest City Council/Successor Redevelopment Agency/Financing Authority/Housing Authority Dated November 4, 2015 Ford

DISCUSSION AND OTHER ACTION ITEMS

4. Presentation And Adopt A Resolution Of The Ridgecrest City Council Accepting For Filing The Other Post-Employment Benefits (OPEB) Actuarial Study As Of June 30, 2015 Prepared By Nyhart Company Staheli
5. Nomination And Appointment To The Measure 'L' Citizens Advisory Committee Council
6. Adopt A Resolution Of The Ridgecrest City Council Approving The Sale Of Property Within The Ridgecrest Business Park To The Ridgecrest Regional Hospital Parsons
7. **Discussion of the 2015 Updated Model Water Efficient Landscape Ordinance (MWEL0)**

PUBLIC HEARING

8. **Conduct A Public Hearing Before The City Council Of The City Of Ridgcrest Regarding The Community Development Block Grant (CDBG) Funding In The Estimated Amount Of \$138,000.00 And Adopt A Resolution Approving The Fiscal Year 2016-2017 Annual Action Plan Application And Direct Staff To Submit The Application** Speer

COMMITTEE REPORTS

(Committee Meeting dates are subject to change and will be announced on the City website)

City Organization and Services Committee

Members: Lori Acton; Mike Mower
Meeting: 4th Wednesday each month at 5:00 p.m. as needed
Location: Council Conference Room B

Infrastructure Committee

Members: Jim Sanders; Mike Mower
Meeting: 3rd Thursday each month at 5:00 p.m. as needed
Location: Council Conference Room B

❖ Ad Hoc Water Conservation Committee

Members: Jim Sanders; Peggy Breeden
Meeting: 3rd Monday each month at 5:00 p.m. as needed
Location: Conference Room B

Parks, Recreation, and Quality of Life Committee

Members: Eddie Thomas; Lori Acton
Meeting: 1st Tuesday each month at 12:00 p.m. as needed
Location: Kerr-McGee Center Meeting Rooms

❖ Ad Hoc Youth Advisory Council

Members: Eddie Thomas
Meeting: 2nd Wednesday of each month, 12:00 p.m. as needed
Location: Kerr-McGee Center Meeting Rooms

Activate Community Talents and Interventions For Optimal Neighborhoods Task Force (ACTION)

Members: Eddie Thomas; Lori Acton
Meeting: Quarterly on the 3rd Tuesday of the month at 4:00 p.m. as needed
Location: Kerr McGee Center Meeting Rooms

Ridgcrest Area Convention And Visitors Bureau (RACVB)

Members: Lori Acton and Eddie Thomas
Meetings: 1st Wednesday Of The Month, 8:00 A.M.
Next Meeting: To Be Announced

AGENDA - CITY COUNCIL - REGULAR
November 18, 2015
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OTHER COMMITTEES, BOARDS, OR COMMISSIONS

CITY MANAGER REPORT

MAYOR AND COUNCIL COMMENTS

ADJOURNMENT

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***A Proclamation of
The City of Ridgecrest, California***

WHEREAS, Allen Soard has currently attained the highest rank of Eagle Scout in the Boy Scouts; and

WHEREAS, Allen earned his Eagle Scout by planning and carrying out the construction of a concrete compass rose at the Maturango Museum for all members of the community to enjoy; and

WHEREAS, he has volunteered in various community events including the Parade of 100 Flags honoring 911 victims and plays Taps for the American Legion when military honors are requested; and

WHEREAS, although Allen just graduated from High School, he is actively planning his future by working hard to complete his Emergency Medical Technician certification and has recently enlisted in the United States Coast Guard with the desire to pursue Search and Air Rescue.

Now, therefore, be it proclaimed

The City Council of the City of Ridgecrest does hereby commend Allen Soard for his hard work and dedication to attain the rank of Eagle Scout, his high level of civic involvement to this community, and we acknowledge that all the people of this community are represented in honoring his accomplishments.

***Proclaimed this
18th Day of November, 2015***

Peggy Breeden

Peggy Breeden, Mayor

James B. Sanders

***James Sanders
Mayor Pro Tem***

Lori Acton

***Lori Acton
Vice Mayor***

Eddie B. Thomas

***Eddie B. Thomas
Council Member***

Michael R. Mower

***Mike Mower
Council Member***

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
FINANCING AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Resolution approving the disability retirement of Police Sergeant Michael D. Myers

PRESENTED BY:

Chief of Police – Ronald Strand

SUMMARY:

The Public Employee's Retirement Law requires that a contracting agency (City of Ridgecrest) determine whether an employee of such agency in employment in which he/she is classified as a local safety member is disabled for purposes of the Public Employee's Retirement Law and whether such disability is "industrial" within the meaning of such Law.

This resolution authorizes the Disability Retirement and Advanced Disability Pension Payments (ADPP) for Police Sergeant Michael D. Myers.

Sergeant Myers has been declared Permanent and Stationary by his treating physician and is unable to perform certain duties of the position of Police Sergeant. This disability, Orthopedic in nature, has been reviewed by Staff and Worker's Compensation and is believed to be a result of industrial injury and will be apportioned by Worker's Compensation and CalPERS when calculating the final retirement pension.

The resolution authorizes that advance payments be issued to Sergeant Myers until such time as his retirement payments are issued by CalPERS, at which time the advance payments will be reimbursed to the City of Ridgecrest by CalPERS.

This Worker's Compensation claim is handled by our worker's compensation administrator, Athens Administrators, which has been notified of Sergeant Myers retirement date of January 5, 2016

FISCAL IMPACT:

Monthly Advance Disability Pension Payments (ADPP) of \$3317.33

Reviewed by Administrative Services Director

ACTION REQUESTED:

Approve as requested

CITY MANAGER / EXECUTIVE DIRECTOR RECOMMENDATION:

Action as requested:

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RESOLUTION NO. 15-XX

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIDGECREST
AUTHORIZING THE DISABILITY RETIREMENT OF SWORN SAFETY MEMBER
MICHAEL D. MYERS**

WHEREAS, the City of Ridgecrest (hereinafter referred to as Agency) is a contracting Agency of the Public Employee's Retirement System; and

WHEREAS, the Public Employee's Retirement Law requires that a contracting Agency determine whether an employee of such Agency in employment which he/she is classified as a local safety member is disabled for purposes of the Public Employee's Retirement Law and whether such disability is "industrial" within the meaning of such Law:

WHEREAS, an application for disability/industrial disability retirement of Michael D. Myers employed by the Agency in the position of Police Sergeant has been filed with the Public Employees' Retirement System; and

WHEREAS, The Ridgecrest City Council has reviewed the medical and other evidence relevant to such alleged disability;

NOW, THEREFORE, BE IT RESOLVED:

1. That the Ridgecrest City Council find and determine and it does hereby find and determine that Michael Myers is substantially incapacitated within the meaning of the Public Employees' Retirement Law for performance of his/her duties in the position of Police Sergeant, and

BE IT FURTHER RESOLVED THAT THE:

2. Ridgecrest City Council find and determine and it does hereby find and determine that Michael Myers is also substantially incapacitated from the performance of the usual duties of the position of Police Sergeant with other California public agencies in CalPERS.
3. Ridgecrest City Council find and determine and it does hereby find and determine that such disability is a result of injury or disease arising out of and in the course of employment.
4. Neither said Michael Myers nor the Agency City of Ridgecrest has applied to the Workers' Compensation Appeals Board for a determination pursuant to Section 21166 whether such disability is industrial.

BE IT FURTHER RESOLVED:

5. That the member was, or will be, separated from his employment in the position of Police Sergeant after expiration of his leave rights under Section 21164, Government Code, effective January 5, 2016 and that no dispute as to the expiration of such leave rights is pending. His last day on pay status is January 4, 2016
6. There is not a possibility of third party liability.
7. The primary disabling condition is Orthopedic.
8. Advanced Disability Pension payments will be made. The payments will be made Monthly in the amount of \$3317.33 beginning January 5, 2016 and will be mailed to the retiree's home address.
9. Sergeant Michael Myers is afforded all of the rights and privileges allowed by the law to a retired Police Sergeant.

APPROVED AND ADOPTED, this 18th day of November, 2015, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Peggy Breeden, Mayor

Rachel J. Ford, CMC
City Clerk

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
HOUSING AUTHORITY/FINANCING AUTHORITY AGENDA ITEM**

SUBJECT:

Minutes of the Regular City Council/Successor Redevelopment Agency/Housing Authority/Financing Authority Meeting of November 4, 2015

PRESENTED BY:

Rachel J. Ford, City Clerk

SUMMARY:

Draft Minutes of the Regular City Council/Successor Redevelopment Agency/Housing Authority/Financing Authority Meeting of November 4, 2015

FISCAL IMPACT:

None

Reviewed by Finance Director:

ACTION REQUESTED:

Approve minutes

CITY MANAGER 'S RECOMMENDATION:

Action as requested: Approve Draft Minutes

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MINUTES OF THE REGULAR MEETING OF THE RIDGECREST CITY COUNCIL

City Council Chambers
100 West California Avenue
Ridgecrest, California 93555

November 4, 2015
5:00 pm

This meeting was recorded and will be on file in the Office of the City Clerk for a certain period of time from date of approval by City Council. Meetings are recorded for the purpose of preparation of minutes.

CALL TO ORDER – 5:00 p.m.

CALL TO ORDER

ROLL CALL

Council Present: Mayor Peggy Breeden; Mayor Pro Tempore Jim Sanders; Vice-Mayor Lori Acton; Council Members Eddie Thomas and Mike Mower

Staff Present: City Manager Dennis Speer; City Clerk Rachel J. Ford; City; City Attorney Michael Silander and other staff

APPROVAL OF AGENDA

- No amendments

Motion To Approve Agenda Made By Council Member Thomas, Second By Council Member Mower. Motion Carried By Voice Vote Of 4 Ayes (Mayor Breeden, Council Members Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 1 Absent (Council Member Sanders)

- Jim Sanders joined Council for Closed Session

REGULAR SESSION – 6:00 p.m.

- Pledge Of Allegiance
- Invocation

CLOSED SESSION

- GC54956.9 (d) (4) Conference With Legal Counsel – Existing Litigation – City Of Ridgecrest v. Matasantos
- GC54956.9 (d) (4) Conference With Legal Counsel – Existing Litigation – City Of Ridgecrest v. Cohen
- GC54956.9 (d) (4) Conference With Legal Counsel – Existing Litigation - William Johnson v. City of Ridgecrest. 1:15-CV-01540-JLT
- GC54956.9 (d) (4) Conference With Legal Counsel – Existing Litigation - Cameron Rainwater v. City of Ridgecrest. BCV-15-100181 SPC
- GC54957 Personnel Matters – Public Employee Performance Evaluation – City Manager

REGULAR SESSION – 6:00 p.m.

- Pledge Of Allegiance
- Invocation

CITY ATTORNEY REPORT

- Closed Session
 - Conference With Legal Counsel – Existing Litigation – City Of Ridgecrest v. Matasantos – report received, no reportable action taken
 - Conference With Legal Counsel – Existing Litigation – City Of Ridgecrest v. Cohen – report received, no reportable action taken
 - Conference With Legal Counsel – Existing Litigation - William Johnson v. City of Ridgecrest – report received, no reportable action taken
 - Conference With Legal Counsel – Existing Litigation - Cameron Rainwater v. City of Ridgecrest – report Received, No Reportable Action Taken
 - Personnel Matters – Public Employee Performance Evaluation – City Manager – matter was discussed but not completed and will continue at the next council meeting.

PRESENTATIONS

1. **Presentation Of A Proclamation Honoring American Indian Heritage Month 2015** **Council**
 - Council presented a proclamation to representatives of the local American Indian tribes.
 - Little Deer Durvin thanked Council and announced the Pow Wow, Hog Fry, and crafts this weekend.

PUBLIC COMMENT Opened at 6:05 p.m.

Mike Neel

- Commented on TOT payments for local hotels for the past few years. Information received thru public record request. Suggested City perform an audit because no significant change was observed during last year petroglyph festival
- Commented on bulb out restricting ADA wheelchair access. Has been two month of delay since told it would go before planning commission. Spoke on discussion with two persons in wheelchairs who struggle to maneuver the street or avoid using the street because of the bulb outs. Commented on other medians with planters restricting ADA wheelchair traffic and stated there is no need for grass or other plantings at these locations.
 - Peggy Breeden – responded the infrastructure meeting is discussing the issue and City Engineer is working on a study. Item will be on the agenda as soon as the answers are received from staff. Commented on the Council Member experiment with wheelchairs.
- Reiterated his concern about the bulb outs on Ridgecrest Blvd. and cars turning into the wheelchair zone.

Dave Matthews

- Responded to Mr. Neel's comments stating it would take someone getting hit before something is done.
- Commented on the agenda title for the proclamation.

COUNCIL ANNOUNCEMENTS

Jim Sanders

- None

Lori Acton

- Reminder that BLM will have horse and burro adoptions this weekend.

Eddie Thomas

- none

Mike Mower

- none

Peggy Breeden

- reminder for petroglyph festival and optimist club dinner
- commended the military banner people who are doing a tremendous job
- Economic Development Committee report given. Smaller committees presented their reports and Beth Sumner is compiling the data. Having trouble getting some participation so if anyone is interested in helping finish this report please contact Mrs. Sumner

CONSENT CALENDAR

2. Adopt A Resolution Of The Ridgecrest City Council Accepting An Offer Of Dedication From Khaled Odeh and Shafiqeh Odeh for APN 456-010-04, In The City Of Ridgecrest, County Of Kern, State Of California And Authorizing The Mayor To Sign The Right of Way Agreement And The Certificate Of Acceptance For The Escrow Fees Of Five Thousand Dollars
Speer
3. Adopt A Resolution Of The Ridgecrest City Council Accepting An Offer Of Dedication From The Pam Ridgecrest Venture, LLC For APN 456-010-02 And APN 456-010-03, In The City Of Ridgecrest, County Of Kern, State Of California And Authorizing The Mayor To Sign The Right Of Way Agreement And The Certificate Of Acceptance For The Escrow Fees Of Five Thousand Dollars
Speer
4. Adopt A Resolution Declaring Surplus Equipment And Authorizing Staff To Negotiate The Destruction Of Said Equipment
Speer
5. Receive For File The Quarterly Investment Report For First Quarter 2015
Staheli
6. Adopt A Resolution Amending The Classification Plan And Revising Certain Job Descriptions
Staheli
7. Approve Draft Minutes Of The Ridgecrest City Council/Successor Redevelopment Agency/Financing Authority/Housing Authority Minutes Of Meeting Date October 21, 2015
Ford

Items Pulled From Consent Calendar

- Item Nos 2, 3, 4, and 6

Motion To Approve Consent Calendar Items Nos. 5, And 7 Made By Council Member Acton, Second By Council Member Thomas. Motion Carried By Voice Vote Of 5 Ayes (Mayor Breeden, Council Members Sanders, Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 0 Absent

Item No. 2 and 3 Discussion

Dave Matthews

- Asked if property owner is paid for the property
 - Dennis Speer – dedicated property

Motion To Approve Consent Calendar Items Nos. 2 And 3 Made By Council Member Acton, Second By Council Member Mower. Motion Carried By Voice Vote Of 5 Ayes (Mayor Breeden, Council Members Sanders, Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 0 Absent

Item No. 4 Discussion

Mike Mower

- Clarified destruction or disposing

Motion To Approve Consent Calendar Items No. 4 Made By Council Member Mower, Second By Council Member Acton. Motion Carried By Voice Vote Of 5 Ayes (Mayor Breeden, Council Members Sanders, Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 0 Absent

Item No. 6 Discussion

Lori Acton

- Commented on some positions which may allow for experience in lieu of degree.
 - Dennis Speer – brought for discussion from several years ago. Need to fill gaps between manager and supervisor. May save money at times by hiring manager instead of director. Spoke on requirement for degree for director which under state law requires degree for professional designation. Comment came from audience question several years ago, trying to clarify for the director position.
- Commented on someone who has worked their way up but don't want this person with 30 years' experience not advance because of lack of a degree. Suggested this be a preference for some of the manager positions, not director positions.

Eddie Thomas

- Asked for more clarification on the degree requirements.
 - Dennis Speer – positions of mid-management and director level would thing education and experience adds value to the knowledge, skills, and ability for the positions.
- Is this the minimum you are trying to establish?
 - Dennis Speer – as for Directors it would require a Bachelor's degree as a minimum.

Item No. 6 Discussion (continued)

Peggy Breeden

- Without knowing the functions, are there changes to these?
 - Dennis Speer – for Directors only education requirement changed. For managers it provides management over supervisors.
- This does not create jobs or openings but fiscal impact is in the future.
 - Dennis Speer – no fiscal impact unless we hire something not budgeted.

Public Comment

Dave Matthews

- Read table title (department head, mid-managers, classified) and suggested separating them in future.

Tyrell Staheli

- The word classified should be 'confidential'

Tom Wiknich

- Reviewed positions and which are currently filled. Asked where Matthew Alexander position is listed.

Motion To Approve Consent Calendar Items No. 6 Made By Council Member Sanders, Second By Council Member Mower. Motion Carried By Voice Vote Of 4 Ayes (Mayor Breeden, Council Members Sanders, Thomas, And Mower); 1 Noes (Council Member Acton); 0 Abstain; 0 Absent

DISCUSSION AND OTHER ACTION ITEMS

8. Discussion And Approval Of Letter Of Intent To Participate In The Proposed Groundwater Sustainability Agency (GSA) Speer

Dennis Speer

- Presented staff report

Peggy Breeden

- Commented on past long term attendance at water board meetings in various capacities. Much divisive discussion. Our goal is to have land use authority within the city of Ridgecrest. Important for us to be at the GSA. Not saying we are agreeing with everything and nothing here says we are going to levy charges. This only says we want to be part of the agency. Example do you want to be on the train or do you want to give up authority. Feels we need to be on the train. Listed the agencies eligible to be on the GSA. There is legislation proposed to allow other opportunities for participation. We must do everything we can to protect our land use authority and the water located with our land.

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Peggy Breeden *(continued)*

- If we don't do this the State will do it for us. Don't want anyone except those who have to live with the rules to be a part of making those rules.

Jim Sanders

- Feel it is important to participate. We would be sending an elected representative to participate and have a vote on what happens with our aquifer.

Eddie Thomas

- Concur with participating

Mike Mower

- We would be derelict in our duty to not be involved.

Public Comment

Tom Wiknich

- Feel this is very important and council is taking the first step by saying they want to participate. Would like this to move forward faster.
- Suggested council begins having public meeting on this subject. Suggested Mick Gleeson, water district and Mayor begin receiving public input. Not as the GSA, but to gather information and questions for the time the GSA is formed.
- Agree we have to participate.
- Suggested Town Hall meetings for this subject with the 3 agencies who will be representing us on the GSA.
- Agrees with elected officials be members on the GSA.
- Happy to hear the Council agrees this agency is important to this valley. Suggested this agency be based in the valley and suggested room in City Hall and the agency members be people who live here and will be impacted by the decisions of the agency.
- Thanked county supervisors and Mick Gleeson for everything they have done so far, it is time for the next step which is Council getting involved.
 - Peggy Breeden – 3rd Thursday of each month ground water management committee. Asked staff to keep this on the agenda. Last Friday meeting was the first of many public meetings with a facilitator from the Water District. Supervisor Gleeson is hoping to get the item to board of supervisors before the end of December and get the resolution adopted. If we can get this started with notice of intent to state we will be ahead of many others. This is our job, our community, and our valley. No one is going to tell us what to do but us.
- Thanked Mayor and Council

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James Hiser

- Council is misled; they feel they have a vote. Commented on EPA involvement. You will be advising Mick Gleeson who will then vote his position. There will have to be a lot of give and take with a lot of words from the State. Mr. Gleeson has indicated he will be the final say for the valley. Commented on poison water and significant legal issues coming.
- We were declared a system in crisis because of one user who overdrew his water and lowered other wells.
- Commented on list and stats that are now old. There are significant ongoing issues and local input is limited and will be constructed of persons outside the valley and we are in this crisis because of misinterpretation of the data.

Dave Matthews

- Understands the GSA is mandated by the state so need to get started.
- Suggested we need to take initiative to point out to the State and Federal that we need to bring in new sources of water. You can conserve 100% of nothing and you still have nothing. State is going in the wrong direction and has done very little to increase the water supply. Draught situation has added to this problem. Need to push for new sources of water rather than just conserving.

Stan Rajtora

- Agree with sending letter in response to the County
- Agree with local membership and participation in the GSA
- Felt the letter was vague and could be misinterpreted. County asked what role we would play and we are saying we will participate. Some roles are advisory and we should be clear with response that we want to be an equal voting member joint powers agency.
 - Lori Acton – reviewed the County request.
- We have an opportunity to be clear and need to take advantage of this and make it clear we want to be a voting member of a joint powers agency. If we send a letter that could be misinterpreted, we don't know how it will be used in the future.
 - Mike Mower – suggested adding the word voting member to the letter.

Mike Neel

- Have voiced my opinion to both the water district and Mick Gleeson at the last meeting. Basic position is GSA needs to be a separate elected agency, elected by whatever means to provide proper representation of all citizens within the water basin.
- Quoted city attorney letter regarding GSA purpose.
- This agency will have policing and taxing authority so people in this basin need to be on the agency.

Mike Neel *(continued)*

- Commented that current approach has only been talked about, once formed and begins exercising their powers there will be strong opinions. If they don't like what is going on, they will not have an opportunity to change the agency. With city council the public has the ability to recall elected officials who are not doing their job. With an appointed GSA the public will not have the ability to change them if they don't like what is happening.
- As a citizen, I demand the right to be able to elect this board. Asked city council to relay this to the county board of supervisors. Not necessary to push this so fast. The boards of supervisors want to be state's poster child and grab a small amount of money by being first. Need to get it right the first time because won't be able to change it later.

Motion To Approve A Letter Of Intent To Participate In The Proposed Groundwater Sustainability Agency (GSA) As Amended Made By Council Member Sanders, Second By Council Member Acton. Motion Carried By Voice Vote Of 5 Ayes (Mayor Breedon, Council Members Sanders, Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 0 Absent

9. Adopt A Resolution Of The Ridgecrest City Council Approving The Sale Of Property Within The Ridgecrest Business Park To American Loan Masters

Parsons

Gary Parsons

- Presented staff report

Mike Mower

- Requested clarification of split and costs split for third lot.
 - Gary Parsons – responded with cost breakdown.

Peggy Breedon

- Asked for the total City will receive from this amount.
 - Gary Parsons – reviewed calculations.

Mike Mower

- Reviewed the acreage and cost for Lot 36 with the sump.
 - Gary Parson – clarified that almost ½ of the lot will be retained by City for the sump.

Peggy Breedon

- Asked about other inquiries in the past few years
 - Gary Parsons - never

Public Comment

Dave Matthews

- Description of property should be East Graaf Street.
- Lot 36, does City have control of the sump
 - Gary Parsons – yes, original agreement with China Lake Properties with Redevelopment the sump requirement was made to control water flow to the base.
- If we maintain, we need access
 - Gary Parsons – clarified the easement access
- Asked if American Loan Masters will develop the land.
 - Gary Parsons – identified the business current location and the planned expansion. If expansion is successful then City will gain additional sales tax and jobs.
- Asked about China Lake Properties.
 - Gary Parsons – a private investment group that owned the land. The Agency bought for the business park with an agreement for delayed payment based on sale of the property.
- Asked if there are names attached.
 - Gary Parsons – representative is Joanne Clark

Tom Wiknich

- Asked about development agreement
 - Gary Parsons – this is land acquisition, no proposal for development at this time. Only storage.
- Commented on past sales with developments
 - Gary Parsons – when development is done will go through the process
 - Peggy Breeden – will not have any concessions when it is developed and conditions can be placed at this time.
- Asked about existing DDA's
 - Gary Parsons – referenced problems resulting in the dissolution of RDA.

Benny Fuller

- Asked about authority to negotiate on the price.
 - Gary Parsons – staff has presented best price.
- Reviewed the pricing of the lots and asked about cost for expansion of the road at the cul-de-sac. Does not see a hindrance of business. Do not think the parcel is worth significantly less due to access.
 - Gary Parsons – reviewed the access issues. Have not had an offer in 5 years on the property.
- Asked for clarity on discussions with Caltrans for putting in roads along China Lake Blvd.
 - Gary Parsons – this sets next to the light and do not believe Caltrans will allow a road that close to the light.

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Benny Fuller *(continued)*

- Asked if the sump has to be in this location.
 - Gary Parsons – Navy has requested the location so we have complied.
- Asked if Navy was paying for the use of the land to provide the sump. We are now using the land free of charge for a sump to help the navy while we devalue the property.
 - Gary Parsons - We have an obligation to keep surface flow from going onto the base.

Jim Sanders and Mike Mower

- Reviewed the sump location and drainage canal with Gary Parsons

Mike Mower

- Asked about other taxing agencies.
 - Gary Parsons – idea is state would like all taxing agencies get their share of the sale. Exemplified school district, if they receive funds, will lose the same amount in allocations from the State. Only agency that benefits is the State. Benefit is to take this property which is currently not generating taxes and begin generating taxes with a business expansion.

Peggy Breeden

- Asked about China Lakes Properties portion going to taxing agencies
 - Gary Parsons – no, they are a private entity

Lynn Loscar

- Asked about options to capture the water and create a cistern.
 - Gary Parsons – reality is the water is supposed to circulate back into groundwater. Would need to check with engineer to get numbers and look at opportunities to capture water.

Gary Parsons

- Reviewed the sale prices for each lot.

Motion To Adopt A Resolution Approving The Sale Of Real Property Within The Ridgecrest Business Park To American Loan Masters Made By Council Member Sanders, Second By Council Member Thomas. Motion Carried By Voice Vote Of 5 Ayes (Mayor Breeden, Council Members Sanders, Acton, Thomas, And Mower); 0 Noes; 0 Abstain; 0 Absent

COMMITTEE REPORTS

(Committee Meeting dates are subject to change and will be announced on the City website)

City Organization and Services Committee

Members: Lori Acton; Mike Mower
Meeting: 4th Wednesday each month at 5:00 p.m. as needed
Location: Council Conference Room B

Mike Mower

- Discussed meeting with County on building process
- Discussed past and future street projects
- Dark November and December, next meeting in January

Infrastructure Committee

Members: Jim Sanders; Mike Mower
Meeting: 3rd Thursday each month at 5:00 p.m. as needed
Location: Council Conference Room B

Peggy Breeden

- Will provide written report for website

❖ Ad Hoc Water Conservation Committee

Members: Jim Sanders; Peggy Breeden
Meeting: 3rd Monday each month at 5:00 p.m. as needed
Location: Conference Room B

Peggy Breeden

- Next meeting November 16
- Discussed xeriscaping
- Members asked about looking at the sump areas in front of City Hall to see if they are truly being used. Looking at options for xeriscaping these spots. No reason to expend a small fortune to remove grass and xeriscape just to save water. We are not helping the water district because it is our own well water. Not bad to save water in the whole valley but currently have funding restrictions. Still looking at this. Discussion included putting drip system around trees in the parking lot.
- Looking at watering options and making sure water does not arc outside the park area into the street

Parks, Recreation, and Quality of Life Committee

Members: Eddie Thomas; Lori Acton
Meeting: 1st Tuesday each month at 12:00 p.m. as needed
Location: Kerr-McGee Center Meeting Rooms

Lori Acton

- Topic we need to cover is dead and dying trees and how we will replace them after the draught.
- Could also discuss the grass issues
- Will get with staff to set up the meeting

❖ **Ad Hoc Youth Advisory Council**

Members: Eddie Thomas
Meeting: 2nd Wednesday of each month, 12:00 p.m. as needed
Location: Kerr-McGee Center Meeting Rooms

Eddie Thomas

- Youth are doing well. Projects are moving forward and getting good press.

Activate Community Talents and Interventions For Optimal Neighborhoods Task Force (ACTION)

Members: Eddie Thomas; Lori Acton
Meeting: Quarterly on the 3rd Tuesday of the month at 4:00 p.m. as needed
Location: Kerr McGee Center Meeting Rooms

Eddie Thomas

- Meeting next month

Ridgecrest Area Convention And Visitors Bureau (RACVB)

Members: Lori Acton and Eddie Thomas
Meetings: 1st Wednesday Of The Month, 8:00 A.M.
Next Meeting: To Be Announced

Lori Acton

- Dark today, will meet next month

OTHER COMMITTEES, BOARDS, OR COMMISSIONS

Peggy Breeden

- Bowman Business District Ad Hoc Committee have been meeting with council and planning commissioners to discuss ways we can best serve property owners with regard to traffic flow and development. Discussions have been very good. Will meet the 17th of the month in conference room B
 - Loren Culp – will be bringing information relating to landscaping and lighting districts and maintenance districts.

Lori Acton

- Jawbone Canyon is discussing WEMO and Trails.
- Next meeting on the 18th with potluck luncheon
- BLM has list of races coming up and will get the information out for the public.

Peggy Breeden

- East Kern Economic Development meeting next Thursday at the college
- November 12 Air Pollution Control District meeting at City Hall

CITY MANAGER REPORT

Dennis Speer

- Staff has identified recommendations of specific areas turf could be removed and will return to ad hoc with information. Have provided list to IWW Water District. Staff is developing example costs to give an idea of the fiscal impact.
- Phillip Braem has resigned to take a position in the state of Washington after 14 years with the City.

MAYOR AND COUNCIL COMMENTS

Mike Mower

- Asked about South China Lake Blvd being closed for construction.
 - Loren Culp – Walmart project has water line going in over next 2 weeks
- Saturday petroglyph festival booth schedule
 - Peggy – 9:00 a.m. to noon
 - Lori – 11:00 to whenever
 - Eddie – 3:00 p.m. to 6:00 p.m.
 - Mike – 3:00 p.m. to 6:00 p.m.
 - Jim – noon to 3:00 p.m.

Eddie Thomas

- Community day on Saturday at the Base with car show
- Petroglyph Festival this weekend
- Participated in the Ridge Project last Saturday and so proud of the people who volunteered. 178 people helped and it looks so good.
- Will be gone at next meeting celebrating anniversary.

Lori Acton

- Like the idea of taking public comments and questions for GSA. Look at website Q&A
- Public questions, on Facebook movement of putting scarves and hats on trees for homeless or those who need it. There is a share group who would like to participate. Need information from staff on what is and is not allowed so it doesn't get out of control. Similar to a coat drive. Youth want to take this on.
- Jerry Hilliard has agreed to give presentation on Quad State. In the works.
- December 11 flyers from Governor Brown's office, Economic Development group will be here to meet with local agencies and public.
- Thanked everyone who worked on the community cleanup
- Toys for Tots would like to put a box in the lobby. Dennis Speer does not see a problem with this.
- Veterans Day coming up next week, thank a veteran for what they have done and remember those who gave their all.
- Time capsule at Petroglyph Park at 10:00 a.m.
- Lost a great guy in Mr. Chase at the fair. This is a sad thing for the scouts and our community.

MINUTES - CITY COUNCIL - REGULAR

November 4, 2015

Page 15 of 15

Jim Sanders

- Was going to talk about Quad State and Petroglyph Festival which have already been discussed.
- Will be out the 18th to attend a wedding in Utah.

Peggy Breeden

- Requested workshop on Wastewater Treatment Plant.
 - Dennis Speer – Staff is working with consultant and have given them 6 different topics that need to be researched prior to the workshop
- Requested agenda discussion on contract with Justin O’Neill
- Requested agenda discussion on Municipal Code of how we operate in comparison to other agencies
- Requested Town Hall meeting for GSA and set up Facebook area for questions to be asked that we can address.
- Requested agenda discussion of monies Walmart paid to City, how it is utilized, where it is going, and what is happening with it.
- Commented on a letter to City and base asking how we will deal with El Nino flooding. Captain Wiley responded with the base plan and we need to see if we should do any coordination with the base.
 - Dennis Speer – China Lake will be holding workshop on the 13th that staff will be attending.

ADJOURNMENT at 8:18 p.m.

Rachel J. Ford, CMC
City Clerk

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**RIDGECREST CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
FINANCING AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Accept for filing the Actuarial Valuation report of the City's OPEB

PRESENTED BY:

Tyrell Staheli, Finance Director
Nyhart Company

SUMMARY:

The City of Ridgecrest provides postretirement health benefits for eligible retirees and their dependents at retirement. In general, to be eligible for retiree health benefits, an employee must retire from the City and began receiving a pension benefit thru CalPERS. The City's financial obligation is to provide \$122 per month subject to the CalPERS statutory minimum required contribution. In 2016, the minimum contribution is scheduled to increase to \$125. Employees who are member of the Police Employees Association of Ridgecrest ("PEAR") and who retired between the dates of March 15, 2005 to August 31, 2011 are eligible for a \$100 per month reimbursement for non-CalPERS coverage with proof of verification. PEAR members who retire after August 31, 2011 are eligible to \$250 per month reimbursement for non-CalPERS coverage. At the start of the current fiscal year, the City has 24 retirees participating in the CalPERS health plan and three PEAR retirees are receiving the \$100 per month reimbursement directly from the City for their non-CalPERS coverage while there are two PEAR retirees receiving the \$250 per month reimbursement.

As part of the GASB 45 compliance, the City engaged the services of Nyhart Company to perform actuarial services related to GASB 45. In 2008 the City set up an irrevocable trust with CalPERS to prefund 100% of its post employment retirement benefit obligation. From its inception in 2008 to FY 2015, the City has contributed to the trust a total of \$430,131. The current market value of the trust as of June 30, 2015 is \$611,217.

The attached Actuarial Valuation study shows the City's actuarial accrued liability (AAL) as of the measurement date of June 30, 2015 is \$1,632,502. Factoring the market value of the assets in the trust as of June 30, 2015, the city's unfunded actuarial accrued liability (UAAL) is equal to \$1,021,285. Assuming this amount is to be amortized in 22 years on a level percentage of pay method, the amortization would be \$73,877 per year. The annual required contribution (ARC) is estimated to be 2.5% of the annual payroll estimated at \$5,567,000.

The table below shows the calculation of the annual required contribution (ARC) under GASB 45 for the fiscal years ending June 30, 2016 and June 30, 2017.

	FY 2015/2016	FY 2016/2017
Normal Cost at End of Fiscal Year	\$ 62,989	\$ 67,574
Amortization of UAAL	73,877	76,093
Annual Required Contribution	\$ 136,866	\$ 143,667

FISCAL IMPACT:

Continuation of OPEB contributions: \$136,866 in FY 2016 and \$143,667 in FY 2017

ACTION REQUESTED:

Approval of the attached resolution.

CITY MANAGER'S RECOMMENDATION: As requested.

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RESOLUTION NO. 15-XX

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIDGECREST
ACCEPTING THE OPEB ACTUARIAL STUDY AS OF JUNE 30, 2015
PREPARED BY NYHART COMPANY**

WHEREAS, the Government Accounting Standards Board (GASB) establishes financial accounting and reporting standards for state and local government entities, which recognize GASB as the official source of generally accepted accounting principles for state and local government; and

WHEREAS, GASB Standard No. 45 establishes the guidelines for accounting and financial reporting of other post-employment benefits (OPEB) and requires each public agency to engage biennially a certified actuary to calculate the current and future costs and liabilities of an agency's OPEB; and

WHEREAS, the City of Ridgecrest engaged the services of Nyhart Company to perform actuarial services related to GASB 45; and

WHEREAS, the only post-employment benefit offered to the City of Ridgecrest employees is the mandatory minimum employer contribution required by Government Code Section 22892(a) & (b) under the Public Employees' Medical and Hospital Care Act for those employees who upon retirement, elect to enroll in the CalPERS health benefits program; otherwise if they elect to get their health insurance coverage outside CalPERS, the City does not give them any other benefit unless the employee is a member of the Police Employee Association of Ridgecrest (PEAR) bargaining group and retired after March 17, 2005. In which case, upon presentation of proof of other health insurance coverage, they are eligible to receive \$100 per month if the PEAR member retires between March 17, 2005 and August 31, 2011 or \$250 per month for those who retire after August 31, 2011; and

WHEREAS, resolution 08-16 authorized the prefunding 100% of the City of Ridgecrest's annual required contribution of its other post-employment benefit obligation and the establishment of its California Employers' Retiree Benefit Trust Fund with CalPERS

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Ridgecrest hereby accepts the actuarial valuation report from Nyhart Company (attached herein).

APPROVED AND ADOPTED this 18th day of November, 2015, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Peggy Breeden, Mayor

ATTEST:

Rachel J. Ford, cmc, City Clerk

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August 28, 2015

PRIVATE

City of Ridgecrest
Attn: Ms. Tess Sloan
Accounting Manager
100 West California
Ridgecrest, CA 93555

Re: GASB Actuarial Valuation

Dear Ms. Sloan:

We are presenting our report of the June 30, 2015 actuarial valuation conducted on behalf of the City of Ridgecrest (the "City") for its retiree health program.

The purpose of the valuation is to measure the City's liability for retiree health benefits and to determine the City's accounting requirements under the Government Accounting Standard Board Statements No. 43 & 45 (GASB 43 & 45) in regard to unfunded liabilities for retiree health benefits. The objective of GASB 45 is to improve the information in the financial reports of government entities regarding their post-employment benefits (OPEB) including retiree health benefits. The objective of GASB 43 is to establish uniform reporting for OPEB Plans.

The Nyhart Company is an employee owned actuarial, benefits and compensation consulting firm specializing in group health and retiree health and qualified pension plan valuations. We have set forth the results of our study in this report.

We have enjoyed working on this assignment and are available to answer any questions.

Sincerely,
NYHART

A handwritten signature in black ink, appearing to read "Marilyn K. Jones". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Marilyn K. Jones, ASA, MAAA, EA, FCA
Consulting Actuary

MKJ:rl

Enclosure



**City of Ridgecrest
Actuarial Valuation
Retiree Health Program
As of June 30, 2015**

July 2015

Prepared By:

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San Diego, CA 92101-4404
(619) 239-0831
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• St. Louis • San Diego • Houston • Denver •

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**City of Ridgecrest
Retiree Health Benefits Program
GASB Actuarial Valuation
As of June 30, 2015**

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SECTION I. EXECUTIVE SUMMARY

Background

The City of Ridgecrest (the “City”) selected Nyhart to perform an updated actuarial valuation of its retiree health program. The purpose of the actuarial valuation is to measure the City’s liability for retiree health benefits and to determine the City’s accounting requirements for other post-employment benefits (OPEB) under Governmental Accounting Standards Board Statements No. 43 & 45 (GASB 43 and GASB 45). GASB 45 requires accrual accounting for the expensing of OPEB. The expense is generally accrued over the working career of employees. GASB 43 requires additional financial disclosure requirements for funded OPEB Plans.

The City currently provides a contribution for retiree medical benefits to approximately 27 retired employees. In addition, approximately 98 active employees are earning credit towards eligibility for a City contribution for future retiree medical benefits. In general, to be eligible for a City contribution, an employee must retire from the City and began receiving a pension benefit through CalPERS. The City’s financial obligation is to provide the CalPERS statutory minimum required contribution (\$122 per month in 2015, \$125 per month in 2016, and indexed to medical price inflation for future years). Effective in 2005, employees who are members of the Police Employees Association of Ridgecrest (“PEAR”) are eligible for a \$100 per month reimbursement for non-CalPERS coverage if retiring prior to September 1, 2011. This amount increased to \$250 per month for eligible PEAR employees retiring on or after September 1, 2011. The valuation has been performed assuming the City’s defined contribution of the \$250 reimbursements for PEAR employees will be held constant in future years. Future increases would increase the liability. Section V of the report details the plan provisions that were included in the valuation.

The City participates in the CalPERS Health Program for its retiree medical coverage. In general, the premium rates charged to participating employers are the same for each medical plan within each region (or “community”) and are the same for both active and retired employees covered under the same medical plan. An implied rate subsidy can exist when the non-Medicare rates for retirees are the same as for active employees. Since non-Medicare eligible retirees are typically much older than active employees, their actual medical costs are typically higher than for active employees. GASB 45 requires that implied rate subsidies be considered in the valuation of medical costs. In past valuations the liability for the implicit rate subsidy was excluded from the valuation as the GASB had provided for an exemption for community-rated plans. This valuation includes an estimate of the liability for the implicit rate subsidy.

Results of the Retiree Health Valuation

We have determined that the amount of the actuarial liability for the City’s retiree health plan as of June 30, 2015, the measurement date, is \$2,072,142 (including \$1,526,220 for the City’s explicit contribution and \$545,922 for the implicit rate subsidy). This value is based on an assumed discount rate of 7.28%. The amount represents the present value of all benefits projected to be paid by the City for current and future retirees. If the City were to place this amount in a fund earning interest at the rate of 7.28% per year, and all other actuarial assumptions were met, the fund would have enough to pay the City’s required contribution for retiree health benefits. This includes benefits for the current retirees as well as the current active employees expected to retire in the future. The valuation does not consider employees not yet hired as of the valuation date.

If the amount of the actuarial liability is apportioned into past service, current service and future service components; the past service component (actuarial accrued liability) is \$1,632,502 (including \$1,208,322 for the City's explicit contribution and \$424,180 for the implicit rate subsidy)., the current service component (normal cost or current year accrual) is \$58,714 (including \$43,337 for the City's explicit contribution and \$15,377 for the implicit rate subsidy). and the future service component (not yet accrued liability) is \$380,926 (including \$274,561 for the City's explicit contribution and \$106,365 for the implicit rate subsidy).

Changes from Prior Valuation

The valuation reflects updated census and rate information. In addition, there were several assumption changes including updates to the mortality and retirement assumptions, a lowering of the discount rate to 7.28% for CERBT investment strategy 1 and the inclusion of a liability for the implicit rate subsidy. A reconciliation of the approximate change in the liability from the prior valuation is provided below:

June 30, 2013 Valuation @7.61%	\$1,213,000
Increase due to passage of time	112,000
Increase due to liability for new entrants	115,000
Net experience gain	(66,000)
Net increase due to updated demographic assumptions	66,000
Increase due to lowering of discount rate to 7.28%	<u>86,000</u>
June 30, 2015 Valuation @7.28%	\$1,526,000
Increase due to inclusion of the implicit rate subsidy	<u>546,000</u>
June 30, 2015 Valuation @7.28%	\$2,072,000

Funding

The City's funding policy is to fund 100% of the annual required contribution as determined under GASB 45 through the California Employers' Retiree Benefit Trust (CERBT). The market value of assets including any contribution receivable or benefits payable in CERBT as of June 30, 2015 is \$611,217. The actuarial value of assets at June 30, 2015 is equal to the market value of assets. The unfunded actuarial accrued liability (UAAL) at June 30, 2015 is \$1,021,285 (\$597,105 for the City's explicit contribution). The funded ratio is 37% (51% for City's explicit contribution) using actuarial value of assets. The UAAL as a percentage of payroll is 18%.

The CERBT provides participating employers with the choice of three investment allocation strategies. The expected rate of return of assets is dependent on the funding strategy of a participating employer and which investment allocation strategy is selected. For employers fully funding their annual required contribution, strategy 1 has a CERBT published median yield of 7.28%, strategy 2 has a published median yield of 6.73% and strategy 3 has a published median yield of 6.12%. The valuation was performed using a 7.28% discount rate assuming the City remains in strategy 1 for the 2015/2016 and 2016/2017 fiscal years and assumes no additional margin for adverse deviation applied to the CERBT stated median discount rate. The results for alternatives allocation strategies using a 6.73% and 6.12% discount rate are also provided in Section II-J of the report.

Annual Required Contribution

The City's annual required contribution (accrual expense) for the current fiscal year is \$136,866 (including \$89,685 for the City's explicit contribution and \$47,181 for the implicit rate subsidy). This amount is comprised of the present value of benefits accruing in the current fiscal year (normal cost) plus a 22-year amortization (on a level-percentage of pay basis) of the unfunded actuarial accrued liability/(surplus) at June 30, 2015. Thus, it represents a means to expense the plan's liabilities in an orderly manner. The net increase in OPEB obligation/(asset) at the end of the fiscal year will reflect any actual contributions made by the City during the period for retiree health benefits including any pre-funding amounts and the estimated implicit rate subsidy.

Actuarial Basis

The actuarial valuation is based on the assumptions and methods outlined in Section VII of the report. To the extent that a single or a combination of assumptions is not met the future liability may fluctuate significantly from its current measurement. As an example, the healthcare cost increase anticipates that the rate of increase in medical cost will be at moderate levels and decline over several years. Increases higher than assumed would bring larger liabilities and expensing requirements. A 1% increase in the healthcare trend rate for each future year would increase the annual required contribution by 23%.

Another key assumption used in the valuation is the discount (interest) rate which is based on the expected rate of return of plan assets. The valuation is based on a discount rate of 7.28%. A 0.5% decrease in the discount rate would increase the annual required contribution by 8%. A 0.5% increase in the discount rate would decrease the annual required contribution by 8%.

Scheduled to take effect in 2018, the "Cadillac Tax" is a 40% non-deductible excise tax on employer-sponsored health coverage that provides high-cost benefits. For pre-65 retirees and individuals in high-risk professions, the threshold amounts are currently \$11,850 for individual coverage and \$30,950 for family coverage. For insured plans, the insurance company is responsible for payment of the excise tax. For self-funded plans, the employer is responsible for payment of the excise tax. The valuation does not include any additional liability for the Cadillac Tax.

The valuation is based on the census, plan and rate information provided by the City. To the extent that the data provided lacks clarity in interpretation or is missing relevant information, this can result in liabilities different than those presented in the report. Often missing or unclear information is not identified until future valuations.

SECTION II. FINANCIAL RESULTS

A. Valuation Results as of June 30, 2015

The table below presents the employer liabilities associated with the City's retiree health benefits determined in accordance with GASB 45. The actuarial liability is the present value of all benefits or contributions projected to be paid by the City under the program. The actuarial accrued liability reflects the amount attributable to the past service of current employees and retirees. The normal cost reflects the accrual attributable for the current period.

	<u>Pear</u>	<u>Race</u>	<u>Mgmt</u>	<u>Mid-Mgmt</u>	<u>Conf.</u>	<u>Total</u>
1. Actuarial Liability (AL)						
Actives	\$662,703	\$317,453	\$ 44,047	\$143,214	\$117,128	\$1,284,545
Retirees	<u>332,016</u>	<u>186,298</u>	<u>166,355</u>	<u>80,468</u>	<u>22,460</u>	<u>787,597</u>
Total AL	\$994,719	\$503,751	\$210,402	\$223,682	\$139,588	\$2,072,142
Explicit Contribution	\$758,704	\$381,677	\$141,411	\$145,818	\$ 98,610	\$1,526,220
Implied Subsidy	\$236,015	\$122,074	\$ 68,991	\$ 77,864	\$ 40,978	\$ 545,922
2. Actuarial Accrued Liability (AAL)						
Actives	\$394,123	\$225,199	\$ 28,578	\$119,004	\$ 78,001	\$ 844,905
Retirees	<u>332,016</u>	<u>186,298</u>	<u>166,355</u>	<u>80,468</u>	<u>22,460</u>	<u>787,597</u>
Total AAL	\$726,139	\$411,497	\$194,933	\$199,472	\$100,461	\$1,632,502
Explicit Contribution	\$562,199	\$317,579	\$128,246	\$127,695	\$ 72,603	\$1,208,322
Implied Subsidy	\$163,940	\$ 93,918	\$ 66,687	\$ 71,777	\$ 27,858	\$ 424,180
3. Normal Cost	\$ 30,867	\$ 14,601	\$ 2,918	\$ 4,645	\$ 5,683	\$ 58,714
Explicit Contribution	\$ 22,966	\$ 10,270	\$ 2,591	\$ 3,642	\$ 3,868	\$ 43,337
Implied Subsidy	\$ 7,901	\$ 4,331	\$ 327	\$ 1,003	\$ 1,815	\$ 15,377
No. of Actives	40	30	3	11	14	98
Average Age	37.5	48.2	54.8	56.1	41.3	43.9
Average Past Service	8.6	10.3	13.5	14.8	8.3	9.8
No. of Retirees	11	8	5	2	1	27
Average Age	62.0	69.8	69.2	56.3	71.4	65.6
Average Retirement Age	53.3	60.3	61.8	51.5	67.7	57.4

B. Reconciliation of Market Value of Plan Assets

The reconciliation of Plan Assets for the last two fiscal years is presented below:

	<u>6/30/2014</u>	<u>6/30/2015</u>
1. Beginning Market Value of Assets	\$ 449,520	\$ 571,481
2. Contribution	39,460	41,034
3. Fund Earnings (gross)	83,182	(722)
4. Benefit Payments	0	0
5. Administrative Expenses	<u>(681)</u>	<u>(576)</u>
6. Ending Market Value of Assets	\$ 571,481	\$ 611,217
7. Approximate Rate of Return	18%	0%

Note: Assets reflect contributions made to the CERBT; exclude any direct payments made by the City for payment of benefits; rate of return assumes contributions and payments are made mid-year.

C. Development of Actuarial Value of Assets

The actuarial value of assets is based on the market value of assets plus any contribution receivable or benefits payable. The actuarial value of assets at June 30, 2015 is \$611,217.

D. Development of Unfunded Actuarial Accrued Liability

The table below presents the development of the unfunded actuarial accrued liability. The unfunded actuarial accrued liability is the excess of the actuarial accrued liability (AAL) over the actuarial value of eligible plan assets.

	<u>Explicit</u>	<u>Implicit</u>	<u>Total</u>
1. Actuarial Accrued Liability (AAL)	\$1,208,322	\$ 424,180	\$ 1,632,502
2. Actuarial Value of Assets	<u>(611,217)</u>	<u>(0)</u>	<u>(611,217)</u>
3. Unfunded AAL	\$ 597,105	\$ 424,180	\$ 1,021,285

E. Amortization of Unfunded Actuarial Accrued Liability

The amortization of the unfunded actuarial accrued liability component of the annual contribution (ARC) is being amortized over a period of 22 years on a level-percentage of pay method. Under the level-percentage of pay method, the amortization payment is scheduled to increase in future years based on wage inflation.

1. Unfunded AAL (UAAL)	\$ 597,105	\$ 424,180	\$ 1,021,285
2. Amortization Factor	13.82418	13.82418	13.82418
3. Amortization of UAAL	\$ 43,193	\$ 30,684	\$ 73,877

F. Annual Required Contribution (ARC)

The table below presents the development of the annual required contribution (ARC) under GASB 45 for the fiscal year ending June 30, 2016 and estimated for the fiscal year ending June 30, 2017.

FY2015/2016

1. Normal Cost at End of Fiscal Year	\$ 46,492	\$ 16,497	\$ 62,989
2. Amortization of Surplus	<u>43,193</u>	<u>30,684</u>	<u>73,877</u>
3. Annual Required Contribution (ARC)	\$ 89,685	\$ 47,181	\$ 136,866
4. Estimated Payroll	\$5,567,000	\$5,567,000	\$5,567,000
5. ARC as a Percentage of Payroll	1.6%	0.9%	2.5%

FY2016/2017

1. Normal Cost at End of Fiscal Year	\$ 49,876	\$ 17,698	\$ 67,574
2. Amortization of Surplus	<u>44,489</u>	<u>31,604</u>	<u>76,093</u>
3. Annual Required Contribution (ARC)	\$ 94,365	\$ 49,302	\$ 143,667

G. Required Supplementary Information (Funding Progress @6/30/2015)

The table below presents a sample disclosure of the funding progress as of the beginning of the fiscal year.

1. Actuarial Accrued Liability (AAL)	\$1,208,322	\$ 424,180	\$ 1,632,502
2. Actuarial Value of Assets	<u>(611,217)</u>	<u>(0)</u>	<u>(611,217)</u>
3. Unfunded AAL	\$ 597,105	\$ 424,180	\$ 1,021,285
4. Funded Ratio	51%	0%	37%
5. Current Payroll	\$5,567,000	\$5,567,000	\$5,567,000
6. UAAL as % of Payroll	10.7%	7.6%	18.3%

H. Estimated Net OPEB Obligation/(Asset) at 6/30/2016¹

The table below shows an illustration of the development of the net OPEB obligation/(asset) at June 30, 2016 assuming the net OPEB obligation/(asset) at June 30, 2015 is (36,344).

1. FY2015/2016 Annual Required Contribution	\$136,866
2. Interest on Net OPEB Obligation/(Asset) [.0728 x H7]	(2,646)
3. Adjustment to ARC [minus H7/D2]	<u>\$ 2,629</u>
4. Annual OPEB Cost [H1+H2+H3]	\$136,849
5. Contributions Made (ARC Inclusive of Benefit Payments and Implicit Rate Subsidy)	(136,865)
6. Increase in Net OPEB Obligation/(Asset)	(\$ 18)
7. Net OPEB Obligation/(Asset) – June 30, 2015	<u>(36,344)</u>
8. Net OPEB Obligation/(Asset) – June 30, 2016	(\$ 36,362)

I. Sensitivity Analysis:

The impact of a 0.5% decrease or increase in the discount (interest) rate and the impact of a 1% increase in future healthcare trend rates on the City's actuarial liability, actuarial accrued liability, unfunded actuarial accrued liability and the annual required contribution is provided below:

	Dollar (\$ Increase/ (Decrease)	Percentage (%) Increase/ (Decrease)
<i>0.5% Decrease in Discount Rate</i>		
- Actuarial Liability	\$ 181,455	9%
- Actuarial Accrued Liability	\$ 109,064	7%
- Unfunded Actuarial Accrued Liability	\$ 109,064	11%
- Annual Required Contribution	\$ 11,590	8%
<i>0.5% Increase in Discount Rate</i>		
- Actuarial Liability	(\$ 158,996)	(8%)
- Actuarial Accrued Liability	(\$ 98,415)	(6%)
- Unfunded Actuarial Accrued Liability	(\$ 98,415)	(10%)
- Annual Required Contribution	(\$ 10,493)	(8%)
<i>1% Increase in Future Healthcare Trend Rates</i>		
- Actuarial Liability	\$ 342,552	17%
- Actuarial Accrued Liability	\$ 217,071	13%
- Unfunded Actuarial Accrued Liability	\$ 217,071	21%
- Annual Required Contribution	\$ 31,547	23%

¹ Assumes the City contributions the annual required contribution for the 2015/2016 fiscal year.

J. Liabilities - Alternative Discount Rate

The results below present the impact of the liability and annual required contribution using a discount rate to reflect pre-funding the retiree health benefits through the California Employers' Retiree Benefit Trust (CERBT) alternative allocation strategies 2 and 3 with discount rates of 6.73% and 6.12%, respectively.

Investment Strategy 2

<u>Liabilities</u>	<u>Explicit</u>	<u>Implicit</u>	<u>Total</u>
1. Actuarial Liability (AL)			
Actives	\$1,053,695	\$390,740	\$1,444,435
Retirees	<u>634,626</u>	<u>194,068</u>	<u>828,694</u>
Total AL	\$1,688,321	\$584,808	\$2,273,129
2. Actuarial Accrued Liability (AAL)			
Actives	\$ 674,200	\$250,220	\$ 924,420
Retirees	<u>634,626</u>	<u>194,068</u>	<u>828,694</u>
Total AAL	\$1,308,826	\$444,288	\$1,753,114
3. Actuarial Value of Assets	(611,217)	(0)	(611,217)
4. Unfunded AAL (UAAL)	\$ 697,609	\$444,288	\$ 1,141,897
5. Amortization Factor	15.33951	15.33951	15.33951
6. Amortization of UAAL	\$ 47,939	\$ 30,531	\$ 78,470

FY2015/2016 Annual Required Contribution (ARC)

1. Normal Cost at End of Year	\$ 53,011	\$ 18,202	\$ 71,213
2. Amortization of UAAL at End of Year	<u>47,939</u>	<u>30,531</u>	<u>78,470</u>
3. Annual Required Contribution (ARC)	\$ 100,950	\$ 48,733	\$ 149,683

FY2016/2017 Annual Required Contribution (ARC)

1. Normal Cost at End of Year	\$ 56,578	\$ 19,427	\$ 76,005
2. Amortization of UAAL at End of Year	<u>49,377</u>	<u>31,447</u>	<u>80,824</u>
3. Annual Required Contribution (ARC)	\$ 105,955	\$ 50,874	\$ 156,829

Investment Strategy 3

<u>Liabilities</u>	<u>Explicit</u>	<u>Implicit</u>	<u>Total</u>
1. Actuarial Liability (AL)			
Actives	\$1,222,102	\$433,226	\$1,655,328
Retirees	<u>678,762</u>	<u>200,568</u>	<u>879,330</u>
Total AL	\$1,900,864	\$633,794	\$2,534,658
2. Actuarial Accrued Liability (AAL)			
Actives	\$ 757,142	\$267,937	\$1,025,079
Retirees	<u>678,762</u>	<u>200,568</u>	<u>879,330</u>
Total AAL	\$1,435,904	\$468,505	\$1,904,409
3. Actuarial Value of Assets	(611,217)	(0)	(611,217)
4. Unfunded AAL (UAAL)	\$ 824,687	\$468,505	\$1,293,192
5. Amortization Factor	15.42768	15.42768	15.42768
6. Amortization of UAAL	\$ 53,455	\$ 30,368	\$ 83,823

FY2015/2016 Annual Required Contribution (ARC)

1. Normal Cost at End of Year	\$ 61,599	\$ 20,325	\$ 81,924
2. Amortization of UAAL at End of Year	<u>53,455</u>	<u>30,368</u>	<u>83,823</u>
3. Annual Required Contribution (ARC)	\$ 115,054	\$ 50,693	\$ 165,747

FY2016/2017 Annual Required Contribution (ARC)

1. Normal Cost at End of Year	\$ 65,369	\$ 21,569	\$ 86,938
2. Amortization of UAAL at End of Year	<u>55,059</u>	<u>31,279</u>	<u>86,338</u>
3. Annual Required Contribution (ARC)	\$ 120,428	\$ 52,848	\$ 173,276

SECTION III. PROJECTED CASH FLOWS

The valuation process includes the projection of the expected benefits (including the explicit City contribution and the implicit rate subsidy) to be paid by the City under its retiree health benefits program. This expected cash flow takes into account the likelihood of each employee reaching age for eligibility to retire and receive health benefits. The projection is performed by applying the turnover assumption to each active employee for the period between the valuation date and the expected retirement date. Once the employees reach their retirement date, a certain percent are assumed to enter the retiree group each year. Employees already over the latest assumed retirement age as of the valuation date are assumed to retire immediately. The per capita cost as of the valuation date is projected to increase at the applicable healthcare trend rates both before and after the employee's assumed retirement. The projected per capita costs are multiplied by the number of expected future retirees in a given future year to arrive at the cash flow for that year. Also, a certain number of retirees will leave the group each year due to expected deaths or reaching a limit age and this group will cease to be included in the cash flow from that point forward. Because this is a closed-group valuation, the number of retirees dying each year will eventually exceed the number of new retirees, and the size of the cash flow will begin to decrease and eventually go to zero.

The expected employer cash flows for selected future years are provided in the following table:

Projected Employer Total Cash Flows – Representative Years

<u>Fiscal Year</u>	<u>Explicit</u>	<u>Implicit</u>	<u>City Total</u>
2015/16	\$ 44,241	\$ 32,459	\$ 76,700
2016/17	\$ 48,887	\$ 32,680	\$ 81,567
2017/18	\$ 53,902	\$ 40,694	\$ 94,596
2018/19	\$ 58,936	\$ 45,931	\$ 104,867
2019/20	\$ 64,128	\$ 46,956	\$ 111,084
2020/21	\$ 69,484	\$ 38,119	\$ 107,603
2021/22	\$ 75,504	\$ 35,439	\$ 110,943
2022/23	\$ 80,842	\$ 39,760	\$ 120,602
2023/24	\$ 86,033	\$ 37,695	\$ 123,728
2024/25	\$ 92,586	\$ 40,640	\$ 133,226
2025/26	\$ 98,095	\$ 35,681	\$ 133,776
2026/27	\$ 103,596	\$ 39,606	\$ 143,202
2027/28	\$ 109,303	\$ 34,972	\$ 144,275
2028/29	\$ 115,141	\$ 34,683	\$ 149,824
2029/30	\$ 121,169	\$ 34,803	\$ 155,972
2030/31	\$ 128,294	\$ 33,522	\$ 161,816
2031/32	\$ 134,232	\$ 36,558	\$ 170,790
2032/33	\$ 139,802	\$ 36,673	\$ 176,475
2033/34	\$ 145,264	\$ 34,785	\$ 180,049
2034/35	\$ 150,795	\$ 37,936	\$ 188,731
2035/36	\$ 156,043	\$ 36,185	\$ 192,228
2036/37	\$ 161,203	\$ 34,620	\$ 195,823
2037/38	\$ 166,986	\$ 36,153	\$ 203,139
2038/39	\$ 172,984	\$ 45,445	\$ 218,429
2039/40	\$ 179,021	\$ 52,176	\$ 231,197
2040/41	\$ 184,837	\$ 46,974	\$ 231,811
2041/42	\$ 190,835	\$ 50,494	\$ 241,329
2042/43	\$ 196,763	\$ 46,217	\$ 242,980
2043/44	\$ 202,481	\$ 58,523	\$ 261,004
2044/45	\$ 207,530	\$ 67,213	\$ 274,743
2045/46	\$ 211,554	\$ 69,341	\$ 280,895
2050/51	\$ 222,075	\$ 68,181	\$ 290,256
2055/56	\$ 215,097	\$ 21,223	\$ 236,320
2060/61	\$ 198,323	\$ 0	\$ 198,323
2065/66	\$ 175,535	\$ 0	\$ 175,535
2070/71	\$ 145,982	\$ 0	\$ 145,982
2075/76	\$ 108,779	\$ 0	\$ 108,779
2080/81	\$ 66,050	\$ 0	\$ 66,050
2085/86	\$ 29,039	\$ 0	\$ 29,039
2090/91	\$ 8,086	\$ 0	\$ 8,086
2095/96	\$ 1,117	\$ 0	\$ 1,117
2100/01	\$ 0	\$ 0	\$ 0
All Years	\$10,233,247	\$1,889,664	\$12,122,911

SECTION IV. GASB 74 AND 75 STUDY

This study analyzes the impact of the recently issued GASB Statements No. 74 and 75 (GASB 74 and GASB 75) on plan and employer financial statements and comments on the increased disclosure requirements. GASB 74 is effective for fiscal years beginning after June 15, 2016. GASB 75 is effective for fiscal years beginning after June 15, 2017. Actuarial valuations are required to be performed at least once every two years to calculate the net OPEB liability. Plans with less than 100 active and inactive employees can utilize an alternative measurement method, instead of an actuarial valuation, to calculate the net OPEB liability.

GASB 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, focuses on the accounting for OPEB within employers' financial statements and is similar to GASB 68 applicable to governments with defined benefit pension plans. GASB 75 will require the City to accrue the net OPEB liability on its financial statements. The net OPEB liability (NOL) is calculated as the actuarial accrued liability (AAL) using a specific cost method less OPEB plan's fiduciary net position (GASB eligible assets). The two major changes under the new accounting standards that we studied include:

1. The NOL is required to be determined using the Entry Age Normal Level % of Pay Cost Method (EAN) to determine the liability and the market value of assets (MVA). For most employers, this cost method yields a higher unfunded liability than the Projected Unit Credit (PUC) Cost Method.
2. The required discount rate may be lower if projected OPEB assets do not cover projected benefit payments – based on the employer's funding policy and current workforce. The projection of future benefit payments include discretionary ad hoc benefit changes and COLAs, to the extent such changes are made regularly, and certain taxes or other assessments expected to be imposed on the benefit payment.

The table below presents the impact on the determination of the unfunded actuarial accrued liability if GASB 75 were effective at June 30, 2015.

Assumptions	Current	Change 1&2 Discount Rate**	Change 1&2 Discount Rate***
Discount Rate:	7.28%	7.28%	4.75%
Cost Method:	Entry Age Level \$	Entry Age % of Pay	Entry Age % of Pay
Assumed Funding Policy:	Fund at least the ARC – Under Entry Age Level \$	Fund at least the ARC – Under Entry Age Level \$	Fund at the Explicit Portion of ARC – Under Entry Age Level \$
Impact			
OPEB Liability (AAL):	\$1,632,502	\$1,558,711	\$2,177,337
Net Fiduciary Position (MVA):	(611,217)	(611,217)	(611,217)
Net OPEB Liability(NOL):	\$1,021,285	\$ 947,494	\$1,566,120
Current Net OPEB Obligation/(Asset)*:	(36,344)	(36,344)	(36,344)
Impact on Financial Statement:	\$1,057,629	\$ 983,838	\$1,602,464)

*Current June 30, 2015 Net OPEB Obligation/(Asset) reported by the City.

**Based on the City's current funding and investment policy using current assets, projected contributions and expected earnings, the trust is expected to remain positive in future years. Thus, the discount rate is not required to be blended with a 20-year municipal high quality bond rate.

***Assumes City does not pre-fund for the implicit rate subsidy; reflects blended discount rate of 7.28% for portion of years trust is expected to remain positive and a 20-year municipal high quality bond rate (3.75%) for remaining years.

Under GASB 74 and 75, once the NOL is recognized on the City's financial statement, future annual OPEB expense determination requires a specified cost method, immediate recognition of the service cost and interest cost and any benefit changes and requires (shorter) amortization periods for assumptions changes and experience gain losses.

Both GASB 74 and 75 will require governmental employers to present much more extensive note disclosure and Required Supplementary Information (RSI) about their OPEB liabilities.

GASB 74, "Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans," sets forth requirements for OPEB plan financial statements that are similar to the requirements set forth in GASB 67 for pension plan financial statements. GASB 74 does not require that the underfunded status of the plan be reported as a liability on the plan's financial statements. However, the actuarially determined OPEB liability is required to be disclosed in the footnotes to the financial statements and required supplementary information (RSI), as well as the actuarial assumptions utilized in calculating the liability and various other ratios and disclosures of the composition of the OPEB liability. Additionally, the RSI is to be presented for the past 10 years under GASB 74, as opposed to the past six years as currently required.

GASB 75 requires a statement of fiduciary net position and a statement of changes in fiduciary net position. In addition, GASB 75 requires various footnote disclosures and RSI, including a description of the benefits provided and classes of members covered, the significant assumptions and inputs utilized in calculating the net OPEB liability, the components of the net OPEB liability, and other related ratios. Similar to GASB 74, RSI is required for the past 10 years.

SECTION V. BENEFIT PLAN PROVISIONS

This study analyzes the postretirement health benefit plan provided by the City. The City contributes to the retiree health coverage of eligible retirees and eligible surviving spouses. The City's financial obligation is as follows:

The City provides the minimum required employer contribution (plus any administration fees) under the CalPERS Health Plan for eligible retirees and surviving spouses in receipt of a pension benefit from CalPERS. An employee is eligible for this employer contribution provided they are vested in their CalPERS pension benefit and commence payment of their pension benefit within 60 days of retirement with the City. The surviving spouse of an eligible retiree who elected spouse coverage under the CalPERS Health Plan is eligible for the employer contribution upon the death of the retiree. Employees retiring on or after March 17, 2005 who are members of the Police Employees Association of Ridgecrest ("PEAR") are also eligible for a reimbursement of up to \$100 per month for non-CalPERS health coverage. This benefit is \$250 per month for PEAR employees retiring on or after September 1, 2011.

The minimum required employer contributions is statutorily set under PEMHCA and is scheduled to increase in the future based on the medical portion of CPI. A history of the increases in past years and current amounts are as follows:

Calendar Year	Minimum Required Employer Contribution
2006	\$64.60
2007	\$80.80
2008	\$97.00
2009	\$101.00
2010	\$105.00
2011	\$108.00
2012	\$112.00
2013	\$115.00
2014	\$119.00
2015	\$122.00
2016	\$125.00
2017+	Adjusted Annually to reflect Medical Portion of CPI

SECTION VI. VALUATION DATA

The valuation was based on the census furnished to us by the City. The following tables display the age distribution for retirees and the age/service distribution for active employees as of the Measurement Date.

Age Distribution of Eligible Retired Participants & Beneficiaries*

	PEAR	Race	Mgmt	Mid-Mgt	Conf	Total
<50	1	0	0	0	0	1
50-54	1	0	0	1	0	2
55-59	2	0	2	1	0	5
60-64	1	3	0	0	0	4
65-69	4	2	0	0	0	6
70-74	1	1	1	0	1	4
75-79	0	1	1	0	0	2
80-84	1	0	1	0	0	2
85+	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>
Total:	11	8	5	2	1	27
Average Age:	62.0	69.8	69.2	56.3	71.4	65.6
Average Retirement Age:	53.3	60.3	61.8	51.5	67.7	57.4

Note: Excludes 32 retirees who have not elected medical coverage under the CalPERS Health Plan.

Age/Service Distribution of All Benefit Eligible Employees*

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	5	1								6
25-29	9	4	0							13
30-34	3	4	3							10
35-39	4	1	3	1						9
40-44	1	6	2	2						11
45-49	3	3	5	1	1					13
50-54	2	4	3	1	0	3				13
55-59	2	2	2	3	0	4	0			13
60-64	2	1	0	0	0	0	1	0		4
65-69	0	2	3	0	0	1	0	0	0	6
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	31	28	21	8	1	8	1	0	0	98
Average Age:			43.9							
Average Service:			9.9							
Estimated Payroll:			\$5,567,000							

* Counts exclude 1 Council Member that could be eligible for medical coverage if they retire from the City at the end of their term.

Age/Service Distribution of Eligible PEAR Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	4									4
25-29	6	3								9
30-34	2	3								5
35-39	2	0	3	1						6
40-44	0	3	1	2						6
45-49	1	0	2	0						3
50-54	0	2	0	0	0	1				3
55-59	1	0	0	1	0	2				4
60-64	0	0	0	0	0	0	0			0
65-69	0	0	0	0	0	0	0	0		0
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	16	11	6	4	0	3	0	0	0	40
Average Age:		37.5								
Average Service:		8.6								
Estimated Payroll:		\$2,333,000								

Age/Service Distribution of Eligible RACE Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	1									1
25-29	1	1								2
30-34	1	0	1							2
35-39	1	1	0							2
40-44	1	1	1	0						3
45-49	1	2	1	1						5
50-54	1	1	1	0	0	1				4
55-59	1	2	2	1	0	0	0			6
60-64	2	0	0	0	0	0	1	0		3
65-69	0	0	1	0	0	1	0	0	0	2
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	10	8	7	2	0	2	1	0	0	30
Average Age:		48.2								
Average Service:		10.3								
Estimated Payroll:		\$1,222,000								

Age/Service Distribution of Eligible Management Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	0									0
25-29	0	0								0
30-34	0	0								0
35-39	0	0								0
40-44	0	0								0
45-49	1	0	0	0	0					1
50-54	0	0	0	0	0	1				1
55-59	0	0	0	0	0	0	0			0
60-64	0	0	0	0	0	0	0	0		0
65-69	0	1	0	0	0	0	0	0	0	1
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	1	1	0	0	0	1	0	0	0	3
Average Age:		54.8								
Average Service:		13.5								
Estimated Payroll:		\$427,000								

Age/Service Distribution of Eligible Mid-Management Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	0									0
25-29	0									0
30-34	0	0								0
35-39	0	0								0
40-44	0	0								0
45-49	0	1	2							3
50-54	0	0	2							2
55-59	0	0	0	1	0	2				3
60-64	0	1	0	0	0	0	0			1
65-69	0	1	1	0	0	0	0	0		2
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	0	3	5	1	0	2	0	0	0	11
Average Age:		56.1								
Average Service:		14.8								
Estimated Payroll:		\$957,000								

Age/Service Distribution of Confidential Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	0	1								1
25-29	2	0	0							2
30-34	0	1	2							3
35-39	1	0	0							1
40-44	0	2	0	0						2
45-49	0	0	0	0	1					1
50-54	1	1	0	1	0					3
55-59	0	0	0	0	0	0				0
60-64	0	0	0	0	0	0	0			0
65-69	0	0	1	0	0	0	0	0		1
70+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	4	5	3	1	1	0	0	0	0	14
Average Age:		41.3								
Average Service:		8.3								
Estimated Payroll:		\$628,000								

SECTION VII. ACTUARIAL ASSUMPTIONS AND METHODS

The liabilities set forth in this report are based on the actuarial assumptions described in this section.

Fiscal Year: July 1st to June 30th

Measurement Date: June 30, 2015

Fiscal Years Covered: FY2015/16 and FY2016/17

Discount Rate: 7.28% per annum. This discount rate assumes the City continues to fully fund for its retiree health benefits through the California Employers' Retiree Benefit Trust (CERBT) under its investment allocation strategy 1. The 7.28% reflects the CERBT published median interest rate for strategy 1 without any additional margin for adverse deviation.

Sensitivity analysis showing a 0.5% increase or decrease in the discount rate is also provided.

Inflation: 2.8% per annum

Payroll Increases: 3.0% per annum, in aggregate

Pre-retirement Turnover: According to the termination rates under the CalPERS pension plan updated to reflect the most recent experience study. Sample rates for Miscellaneous employees are as follows:

Service	Entry Age			
	20	30	40	50
0	17.42%	16.06%	14.68%	13.32%
5	8.68%	7.11%	5.54%	0.97%
10	6.68%	5.07%	0.71%	0.38%
15	5.03%	3.47%	0.23%	0.04%
20	3.70%	0.21%	0.05%	0.01%
25	2.29%	0.05%	0.01%	0.01%
30	0.05%	0.01%	0.01%	0.01%

Sample rates for Safety employees are as follows:

Service	Entry Age			
	20	30	40	50
0	10.1%	10.1%	10.1%	10.1%
5	2.5%	2.5%	2.5%	0.9%
10	1.8%	1.8%	0.5%	0.5%
15	1.1%	1.1%	0.3%	0.3%
20	0.8%	0.2%	0.2%	0.2%
25	0.7%	0.1%	0.1%	0.1%
30	0.1%	0.1%	0.1%	0.1%

Pre-retirement Mortality: According to the pre-retirement mortality rates under the CalPERS pension plan updated to reflect the most recent experience study. Sample deaths per 1,000 employees applicable to employees are as follows:

Age	Males	Females
25	0.4	0.2
30	0.5	0.3
35	0.6	0.4
40	0.8	0.5
45	1.1	0.7
50	1.6	1.0
55	2.3	1.4
60	3.1	1.8

[The PERS mortality rates have been updated to reflect mortality improvements reported in the 2014 CalPERS Experience Study]

Post-retirement Mortality: According to the post-retirement mortality rates under the CalPERS pension plan updated to reflect the most recent experience study. Sample deaths per 1,000 employees applicable to Miscellaneous and Safety retirees are as follows:

Age	Males	Females
55	6.0	4.2
60	7.1	4.4
65	8.3	5.9
70	13.1	9.9
75	22.1	17.2
80	39.0	29.0
85	69.7	52.4
90	129.7	98.9

[The PERS mortality rates have been updated to reflect mortality improvements reported in the 2014 CalPERS Experience Study]

Retirement Age: According to the retirement rates under the most recent CalPERS pension plan experience study. According to the following retirement tables:

Miscellaneous Tier 1: 2.7% @ 55
 Miscellaneous Tier 2: 2.0% @ 62
 Safety Tier 1: 3.0% @ 55
 Safety Tier 2: 2.7% @ 57

[The PERS retirement rates have been updated to reflect the 2014 CalPERS Experience Study.]

Participation Rates: Employees Currently Retired: Employees currently retired who have elected CalPERS medical coverage are assumed to continue coverage for their lifetime and the lifetime of their spouse if covered.

Future Retirees: 50% of future non-PEAR active employees are assumed to elect retiree health coverage at retirement. 100% of future PEAR retirees are assumed to elect retiree health coverage at retirement with 50% electing the \$250 reimbursement benefit over the CalPERS benefit.

Future New Entrants: None

Spouse Coverage: Of those electing coverage approximately 20% are assumed to elect coverage for their spouse. Male spouses are assumed to be 3 years older than female spouses.

Claim Cost Development: The valuation claim costs are based on the premiums paid for medical insurance coverage. The City participates in CalPERS, a community rated plan. Past valuations assumed the City was exempt from the valuation of any medical plan implicit rate subsidy. An implicit rate subsidy can exist when the non-Medicare rates for retirees are the same as for active employees. Since non-Medicare eligible retirees are typically much older than active employees, their actual medical costs are typically higher than for active employees. The current valuation contains an estimate of the implicit rate subsidy.

Medical Trend Rates: Medical costs are adjusted in future years by the following trends:

Year	PPO	HMO
2015	Actual	Actual
2016	7.0%	6.5%
2017	6.5%	6.0%
2018	6.0%	5.5%
2019	5.5%	5.0%
2020+	5.0%	5.0%

Contribution Increase: The CalPERS' minimum required employer contribution is assumed to increase each year as described below:

Year	Trend
2017+	4.0%

Actuarial Cost Method: The actuarial cost method used to determine the allocation of the retiree health actuarial liability to the past (accrued), current and future periods is the Entry Age Normal (EAN) cost method. The EAN cost method is a projected benefit cost method which means the "cost" is based on the projected benefit expected to be paid at retirement.

The EAN normal cost equals the level annual amount of contribution from the employee's date of hire (entry date) to their retirement date that is sufficient to fund the projected benefit. For plans unrelated to pay, the normal cost is calculated to remain level in dollars; for pay-related plans the normal cost is calculated to remain level as a percentage of pay. The EAN actuarial accrued liability equals the present value of all future benefits for retired and current employees and their beneficiaries less the portion expected to be funded by future normal costs.

All employees eligible as of the measurement date in accordance with the provisions of the Plan listed in the data provided by the City were included in the valuation.

Actuarial Value of Assets: Market value of assets plus contribution receivables for the Plan Years ending on or prior to the Measurement Date.

Amortization of UAAL: The unfunded actuarial accrued liability is being amortized over an initial 30 years using the level-percentage-of-pay method on a closed-basis. The remaining amortization period at June 30, 2015 is assumed to be 22 years.

SECTION VIII. ACTUARIAL CERTIFICATION

This report summarizes the GASB actuarial valuation for the City of Ridgecrest (the "City") as of June 30, 2015. To the best of our knowledge, the report presents a fair position of the funded status of the plan in accordance with GASB Statements No. 43 (Financial Reporting for Post-Employment Benefit Plans Other Than Pension Plans) and No. 45 (Accounting and Financial Reporting by Employers for Post-Employment Benefits Other Than Pensions). The valuation is also based upon our understanding of the plan provisions as summarized within the report.

The information presented herein is based on the actuarial assumptions and substantive plan provisions summarized in this report and participant information and asset information furnished to us by the Plan Sponsor. We have reviewed the employee census provided by the Plan Sponsor for reasonableness when compared to the prior information provided but have not audited the information at the source, and therefore do not accept responsibility for the accuracy or the completeness of the data on which the information is based. When relevant data may be missing, we may have made assumptions we feel are neutral or conservative to the purpose of the measurement. We are not aware of any significant issues with and have relied on the data provided.

The discount rate and other economic assumptions have been selected by the Plan Sponsor. Demographic assumptions have been selected by the Plan Sponsor with the concurrence of Nyhart. In our opinion, the actuarial assumptions are individually reasonable and in combination represent our estimate of anticipated experience of the Plan. All calculations have been made in accordance with generally accepted actuarial principles and practice.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- plan experience differing from that anticipated by the economic or demographic assumptions;
- changes in economic or demographic assumptions;
- increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period); and
- changes in plan provisions or applicable law.

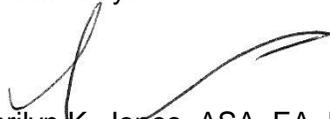
While some sensitivity analysis was provided in the report, we did not perform an analysis of the potential range of future measurements due to the limited scope of our engagement.

To our knowledge, there have been no significant events prior to the current year's measurement date or as of the date of this report that could materially affect the results contained herein.

Neither Nyhart nor any of its employees has any relationship with the plan or its sponsor that could impair or appear to impair the objectivity of this report. Our professional work is in full compliance with the American Academy of Actuaries "Code of Professional Conduct" Precept 7 regarding conflict of interest. The undersigned meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Should you have any questions please do not hesitate to contact me.

Certified by:



Marilyn K. Jones, ASA, EA, MAAA, FCA
Consulting Actuary

Date: 8/28/2015

SECTION IX. DEFINITIONS

The definitions of the terms used in GASB actuarial valuations are noted below.

Actuarial Liability (also referred to as Present Value of Future Benefits) – Total projected benefits include all benefits estimated to be payable to plan members (retirees and beneficiaries, terminated employees entitled to benefits but not yet receiving them, and current active members) as a result of their service through the valuation date and their expected future service. The actuarial present value of total projected benefits as of the valuation date is the present value of the cost to finance benefits payable in the future, discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment. Expressed another way, it is the amount that would have to be invested on the valuation date so that the amount invested plus investment earnings will provide sufficient assets to pay total projected benefits when due.

Actuarial Accrued Liability – That portion, as determined by a particular Actuarial Cost Method, of the Actuarial Present Value of plan benefits and expenses which is not provided for by the future Normal Costs.

Actuarial Assumptions – Assumptions as to the occurrence of future events affecting health care costs, such as: mortality, turnover, disablement and retirement; changes in compensation and Government provided health care benefits; rates of investment earnings and asset appreciation or depreciation; procedures used to determine the Actuarial Value of Assets; characteristics of future entrants for Open Group Actuarial Cost Methods; and other relevant items.

Actuarial Cost Method – A procedure for determining the Actuarial Present Value of future benefits and expenses and for developing an actuarially equivalent allocation of such value to time periods, usually in the form of a Normal Cost and an Actuarial Accrued Liability.

Actuarial Present Value – The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of Actuarial Assumptions.

Annual OPEB Cost – An accrual-basis measure of the periodic cost of an employer's participation in a defined benefit OPEB plan.

Annual Required Contribution (ARC) – The employer's periodic required contributions to a defined benefit OPEB plan, calculated in accordance with the parameters.

Explicit Subsidy – The difference between (a) the amounts required to be contributed by the retirees based on the premium rates and (b) actual cash contribution made by the employer.

Funded Ratio – The actuarial value of assets expressed as a percentage of the actuarial accrued liability.

Healthcare Cost Trend Rate – The rate of change in the per capita health claims costs over time as a result of factors such as medical inflation, utilization of healthcare services, plan design, and technological developments.

Implicit Rate Subsidy – In an experience-rated healthcare plan that includes both active employees and retirees with blended premium rates for all plan members, the difference between (a) the age-adjusted premiums approximating claim costs for retirees in the group (which, because of the effect of age on claim costs, generally will be higher than the blended premium rates for all group members) and (b) the amounts required to be contributed by the retirees.

Net OPEB Obligation – The cumulative difference since the effective date of this Statement between annual OPEB cost and the employer's contributions to the plan, including the OPEB liability (asset) at transition, if any, and excluding (a) short-term differences and (b) unpaid contributions that have been converted to OPEB-related debt.

Normal Cost – The portion of the Actuarial Present Value of plan benefits and expenses which is allocated to a valuation year by the Actuarial Cost Method.

Pay-as-you-go – A method of financing a benefit plan under which the contributions to the plan are generally made at about the same time and in about the same amount as benefit payments and expenses becoming due.

Per Capita Costs – The current cost of providing postretirement health care benefits for one year at each age from the youngest age to the oldest age at which plan participants are expected to receive benefits under the plan.

Select and Ultimate Rates – Actuarial assumptions that contemplate different rates for successive years. Instead of a single assumed rate with respect to, for example, the healthcare trend rate assumption, the actuary may apply different rates for the early years of a projection and a single rate for all subsequent years. For example, if an actuary applies an assumed healthcare trend rate of 6.5% for year 20W0, 6.0% for 20W1, 5.5% for 20W2, then 5.0% for 20W3 and thereafter, then 6.5%, 6% and 5.5% are select rates, and 5% is the ultimate rate.

Substantive Plan – The terms of an OPEB plan as understood by the employer(s) and plan participant.

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
FINANCING AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Appointment to the Measure 'L' Citizens Advisory Committee

PRESENTED BY:

Rachel J. Ford – City Clerk

SUMMARY:

Measure 'L', a ¾ cent sales tax increase, was approved by voters on June 5, 2012. When the item was placed on the ballot, the City Council opted to create an advisory body to focus specifically on the corresponding revenues as a safeguard to ensure the appropriate expenditures of the funds. The ordinance specifies term limits for committee members. An excerpt from the ordinance reads as follows:

Sec. 3-2.115. Terms of Office.

- (a) Of the members of the committee first appointed, two shall be appointed for terms of one year, two shall be appointed for terms of two years, and one shall be appointed for a term of three years. Succeeding members shall be appointed for terms of four years. The secretary's term shall be designated by the City Manager. All members shall serve until a successor is appointed and qualified.

The following vacancy needs appointment to the Measure 'L' Committee to complete the original terms:

1. Replacement for Robert Gould (Resigned) – Term expires July 2018

Council has requested that Council Member Mike Mower submit a nomination for this vacancy.

FISCAL IMPACT:

No Fiscal Impact

Reviewed by Finance Director

ACTION REQUESTED:

Staff recommends the City Council select a member to serve on the Measure 'L' Citizens Advisory Committee for the balance of the 4 year term.

CITY MANAGER / EXECUTIVE DIRECTOR RECOMMENDATION:

Action as requested: Staff recommends the City Council select a member to serve on the Measure 'L' Advisory Committee for the balance of the 4 year term

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
FINANCING AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Sale Of City Of Ridgecrest Land Held Within The Ridgecrest Business Park To The Ridgecrest Regional Hospital

PRESENTED BY:

Gary Parsons, Economic Development Manager

SUMMARY:

The City obtained two lots (APN numbers 033-070-22 and 033-070-46) within the City of Ridgecrest Business Park in exchange for release of certain development conditions called for in a Disposition and Development Agreement (DDA) with K-Partners.

The city has received an offer of purchase from the Ridgecrest Regional Hospital for the purchase of these two lots for the development of new hospital facilities. The offer is for amount of \$755,000 (see attached).

This transaction is a City transaction and not part of the Successor Agency holdings, therefore; the purchase price is not subject to the approval of the Successor Agency Oversight Board or the Department of Finance (DOF).

Any funds generated will be City general funds and not Agency funds.

FISCAL IMPACT:

Provide \$755,000 to the general fund less city share of property sales costs, and placement of these funds in the City Reserve account

ACTION REQUESTED:

Approval of sale of City properties APN's 033-070-46 and 033-070-22 for the amount of \$755,000 to the Ridgecrest Regional Hospital and corresponding Resolution.

CITY MANAGER / EXECUTIVE DIRECTOR RECOMMENDATION:

Action as requested:

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RESOLUTION NO. 15-XX

**A RESOLUTION OF THE RIDGECREST CITY COUNCIL APPROVING
THE SALE OF PROPERTY WITHIN THE RIDGECREST BUSINESS
PARK TO THE RIDGECREST REGIONAL HOSPITAL**

WHEREAS, The City obtained two lots within the City of Ridgecrest Business Park in exchange for release of certain development conditions called for in a Disposition and Development Agreement (DDA) with K-Partners; and,

WHEREAS, Ridgecrest Regional Hospital has requested to purchase said two (2) parcels of land located within the Ridgecrest Business Park for the development of new hospital facilities; and,

WHEREAS, the parcels are identified as APN 033-070-22 and APN 033-070-46; and,

WHEREAS, the offer to purchase both parcels is for the total amount of \$755,000.

NOW, THEREFORE, BE IT RESOLVED, the City Council hereby approves the sale of APN's 033-070-22 and 033-070-46 to The Ridgecrest Regional Hospital in the amount of \$755,000.

APPROVED AND ADOPTED this 4th day of November, 2015 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Peggy Breeden, Mayor

ATTEST:

Rachel J. Ford, CMC
City Clerk

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November 4, 2015

Mr. Gary Parsons, Economic and Community Development Director
City of Ridgecrest
100 W California Ave
Ridgecrest, CA 93555

RE: Offer to purchase

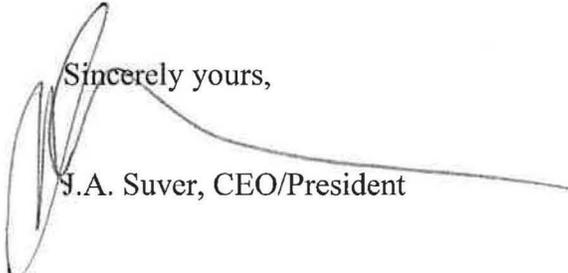
Dear Mr. Parsons:

Ridgecrest Regional Hospital is offering the city seven-hundred, fifty-five thousand dollars (\$755,000) for the purchase of lots 22 and 46 in Bk 421 totaling approximately three acres.

The hospital is looking to expand over the next decade including a new elder facility, cancer center and additional physician offices. With the emergency department expansion planned, the hospital will need to utilize the southern vacant parcel of additional parking; hence the need for additional land for new buildings.

I look forward to successful completion of our negotiations. Please contact me with any questions at james.suver@rrh.org or 760-499-3900.

Sincerely yours,



J.A. Suver, CEO/President

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/FINANCING
AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Discussion of the 2015 Updated Model Water Efficient Landscape Ordinance (MWELo)

PRESENTED BY:

Dennis Speer, City Manager

SUMMARY:

In California, about half of the urban water is used for landscape irrigation. Substantial water savings can be gained by proper landscape design, installation and maintenance. To improve water savings in this area, the Department of Water Resources (DWR) updated the Model Ordinance. Subsequently, the California Water Commission approved the revised Ordinance. The Model Ordinance promotes efficient landscapes in new developments and retrofitted landscapes.

The Executive Order B-29-15 called for revising the Model Ordinance to increase water efficiency standards for new and retrofitted landscapes through more efficient irrigation systems, greywater usage, onsite storm water capture, and by limiting the portion of landscapes that can be covered in turf. It also requires reporting on the implementation and enforcement of local ordinances, with required reports due by December 31, 2015. The DWR will provide information on local compliance to the Water Board, which will consider adopting regulations or taking appropriate enforcement actions to promote compliance. The DWR may provide technical assistance and give priority in grant funding to public agencies for actions necessary to comply with local ordinances.

Cities and counties (local agencies) in California, are responsible for adopting and reporting on a water efficient landscape ordinance. Local agencies have until December 1, 2015 to adopt the model ordinance or to adopt a Local Ordinance which must be at least as effective in conserving water. A local agency may choose to allow the model ordinance to become effective by default and then adopt a Local Ordinance at a later time. Local agencies are not limited to require only the levels of water conservation stipulated by the ordinance. The Local Ordinance can require higher levels of water conservation, as determined appropriate by the local agency.

A copy of the MWELo is attached for review and discussion.

FISCAL IMPACT:

ACTION REQUESTED:

Discuss the 2015 Updated Model Water Efficient Landscape Ordinance.

CITY MANAGER / EXECUTIVE DIRECTOR RECOMMENDATION:

Action as requested:

Submitted by: Dennis Speer

Action Date: November 18, 2015

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Model Water Efficient Landscape Ordinance
~~September 10, 2009~~
July 9, 2015 (Draft to California Water Commission)

California Code of Regulations
Title 23. Waters
Division 2. Department of Water Resources
Chapter 2.7. Model Water Efficient Landscape Ordinance

§ 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 landscaping practices that integrate and go beyond the conservation and efficient use of water; 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 by encouraging the use of a watershed approach that requires cross-sector collaboration of industry, government and property owners to achieve the many benefits possible;
- (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.

(c) Landscapes that are planned, designed, installed, managed and maintained with the watershed based approach can improve California's environmental conditions and provide benefits and realize sustainability goals. Such landscapes will make the urban environment resilient in the face of climatic extremes. Consistent with the legislative findings and purpose of the Ordinance, conditions in the urban setting will be improved by:

- (1) Creating the conditions to support life in the soil by reducing compaction, incorporating organic matter that increases water retention, and promoting productive plant growth that leads to more carbon storage, oxygen production, shade, habitat and esthetic benefits.

(2) Minimizing energy use by reducing irrigation water requirements, reducing reliance on petroleum based fertilizers and pesticides, and planting climate appropriate shade trees in urban areas.

(3) Conserving water by capturing and reusing rainwater and graywater wherever possible and selecting climate appropriate plants that need minimal supplemental water after establishment.

(4) Protecting air and water quality by reducing power equipment use and landfill disposal trips, selecting recycled and locally sourced materials, and using compost, mulch and efficient irrigation equipment to prevent erosion.

(5) Protecting existing habitat and creating new habitat by choosing local native plants, climate adapted non-natives and avoiding invasive plants. Utilizing integrated pest management with least toxic methods as the first course of action.

•

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

§ 490.1 Applicability

(a) ~~After January 1, 2010~~ December 1, 2015, and consistent with Executive Order No. B-29-15, this ordinance shall apply to all of the following landscape projects:

(1) new development projects with an aggregate landscape area equal to or greater than 500 square feet requiring a building or landscape permit, plan check or design review;

(2) rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check, or design review;

~~(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;~~

(3) ~~(4)~~ existing landscapes limited to Sections 493, 493.1 and 493.2; and

(4) ~~(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; and existing cemeteries are limited to Sections 493, 493.1 and 493.2.

(b) For local land use agencies working together to develop a regional water efficient landscape ordinance, the reporting requirements of this ordinance shall become effective December 1, 2015 and the remainder of this ordinance shall be effective no later than February 1, 2016.

(c) Any project with an aggregate landscape area of 2,500 square feet or less may comply with the performance requirements of this ordinance or conform to the prescriptive measures contained in Appendix D.

(d) For projects using treated or untreated graywater or rainwater captured on site, any lot or parcel within the project that has less than 2500 sq. ft of landscape and meets the lot or parcel's landscape water requirement (Estimated Total Water Use) entirely with treated or untreated graywater or through stored rainwater captured on site is subject only to Appendix D section (5).

(be) 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) existing 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.

§ 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 are able to self-adjust and 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.
- (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) “compost” means the safe and stable product of controlled biologic decomposition of organic materials that is beneficial to plant growth.
- (~~j~~) “conversion factor (0.62)” means the number that converts acre-inches per acre per year to gallons per square foot per year.
- (k) “distribution uniformity” means the measure of the uniformity of irrigation water over a defined area.
- (~~l~~) “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.
- (~~m~~) “ecological restoration project” means a project where the site is intentionally altered to establish a defined, indigenous, historic ecosystem.
- (~~n~~) “effective precipitation” or “usable rainfall” (Eppt) means the portion of total precipitation which becomes available for plant growth.
- (~~o~~) “emitter” means a drip irrigation emission device that delivers water slowly from the system to the soil.
- (~~p~~) “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.
- (~~q~~) “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. Native habitat mitigation areas and trees may need three to five years for establishment.
- (~~r~~) “Estimated Total Water Use” (ETWU) means the total water used for the landscape as described in Section 492.4.

(qs) “ET adjustment factor” (ETAF) means a factor of ~~0.70~~0.55 for residential areas and 0.45 for non-residential areas, 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).~~ The ETAF for a new and existing (non-rehabilitated) Special Landscape Areas shall not exceed 1.0. The ETAF for existing non-rehabilitated landscapes is 0.8.

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

(su) “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.

(v) “flow sensor” means an inline device installed at the supply point of the irrigation system that produces a repeatable signal proportional to flow rate. Flow sensors must be connected to an automatic irrigation controller, or flow monitor capable of receiving flow signals and operating master valves. This combination flow sensor/controller may also function as a landscape water meter or submeter.

(w) “friable” means a soil condition that is easily crumbled or loosely compacted down to a minimum depth per planting material requirements, whereby the root structure of newly planted material will be allowed to spread unimpeded.

(x) “Fuel Modification Plan Guideline” means guidelines from a local fire authority to assist residents and businesses that are developing land or building structures in a fire hazard severity zone.

(y) “graywater” means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. “Graywater” includes, but is not limited to, wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines, and laundry tubs, but does not include wastewater from kitchen sinks or dishwashers. Health and Safety Code Section 17922.12.

(tz) “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.~~

(aa) (v) “hydrozone” means a portion of the landscaped area having plants with similar water needs and rooting depth. A hydrozone may be irrigated or non-irrigated.

(bb) (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).

(cc) (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.

(dd) (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. The audit must be conducted in a manner consistent with the Irrigation Association’s Landscape Irrigation Auditor Certification program or other U.S. Environmental Protection Agency “Watersense” labeled auditing program.

(ee) (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 ~~is 0.71. Greater irrigation efficiency can be expected from well designed and maintained systems.~~ for purposes of this ordinance are 0.75 for overhead spray devices and 0.81 for drip systems.

~~(ff) (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.

~~(gg) (bb)~~ “irrigation water use analysis” means a review of water use data based on meter readings and billing data.

~~(hh) (ee)~~ “landscape architect” means a person who holds a license to practice landscape architecture in the state of California Business and Professions Code, Section 5615.

~~(ii) (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).

~~(jj) (ee)~~ “landscape contractor” means a person licensed by the state of California to construct, maintain, repair, install, or subcontract the development of landscape systems.

~~(kk) (ff)~~ “Landscape Documentation Package” means the documents required under Section 492.3.

~~(ll) (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.

~~(mm)~~ “landscape water meter” means an inline device installed at the irrigation supply point that measures the flow of water into the irrigation system and is connected to a totalizer to record water use.

~~(nn) (hh)~~ “lateral line” means the water delivery pipeline that supplies water to the emitters or sprinklers from the valve.

~~(oo) (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.

~~(pp) (jj)~~ “local water purveyor” means any entity, including a public agency, city, county, or private water company that provides retail water service.

~~(qq) (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.

~~(rr) (H)~~ “main line” means the pressurized pipeline that delivers water from the water source to the valve or outlet.

~~(ss)~~ “master shut-off valve” is an automatic valve installed at the irrigation supply point which controls water flow into the irrigation system. When this valve is closed water will not be supplied to the irrigation system. A master valve will greatly reduce any water loss due to a leaky station valve.

~~(tt) (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. 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. MAWA = (ET_o) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)],

~~(uu)~~ “median” is an area between opposing lanes of traffic that may be unplanted or planted with trees, shrubs, perennials, and ornamental grasses.

~~(vv)~~ ~~(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.

~~(ww)~~ ~~(ee)~~ “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.

~~(xx)~~ ~~(pp)~~ “mulch” means any organic material such as leaves, bark, straw, compost, or inorganic mineral materials such as rocks, gravel, ~~and~~ or 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.

~~(yy)~~ ~~(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.

~~(zz)~~ ~~(*)~~ “non-residential landscape” means landscapes in commercial, institutional, industrial and public settings that may have areas designated for recreation or public assembly. It also includes portions of common areas of common interest developments with designated recreational areas.

~~(aaa)~~ ~~(ff)~~ “operating pressure” means the pressure at which the parts of an irrigation system are designed by the manufacturer to operate.

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

~~(ccc)~~ ~~(tt)~~ “overspray” means the irrigation water which is delivered beyond the target area.

~~(ddd)~~ ~~(uu)~~ “permit” means an authorizing document issued by local agencies for new construction or rehabilitated landscapes.

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

~~(fff)~~ ~~(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 very low water use plants is 0 to 0.1, the plant factor range for low water use plants is 0.1 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”. Plant factors may also be obtained from horticultural researchers from academic institutions or professional associations as approved by the California Department of Water Resources (DWR).

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

~~(ggg)~~ ~~(yy)~~ “project applicant” means the individual or entity submitting a Landscape Documentation Package required under Section 492.3 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.

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

~~(iii)~~ ~~(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.

~~(jjj)~~ ~~(bbb)~~ “recreational area” means areas, excluding private single family residential areas, dedicated designated to for active play, recreation or public assembly such as in parks, sports fields, picnic grounds, amphitheatres and or golf courses tees, fairways, roughs, surrounds and greens.

~~(kkk)~~ ~~(eee)~~ “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.

~~(lll)~~ ~~(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 Appendix A Section 495-1, 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.

(mmm) Regional Water Efficient Landscape Ordinance” means a local Ordinance adopted by two or more local agencies, water suppliers and other stakeholders for implementing a consistent set of landscape provisions throughout a geographical region. Regional ordinances are strongly encouraged to provide a consistent framework for the landscape industry and applicants to adhere to.

~~(nnn) (eee)~~ “rehabilitated landscape” means any re-landscaping project that requires a permit, plan check, or design review, meets the requirements of Section 490.1, 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.~~

(ooo) “residential landscape” means landscapes surrounding single or multifamily homes.

~~(ppp) (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.

~~(qqq) (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.

~~(rrr) (hhh)~~ “soil texture” means the classification of soil based on its percentage of sand, silt, and clay.

~~(sss) (iii)~~ “Special Landscape Area” (SLA) means an area of the landscape dedicated solely to edible plants, recreational areas, areas irrigated with recycled water, or 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.~~

~~(ttt) (jjj)~~ “sprinkler head” means a device which delivers water through a nozzle.

~~(uuu) (kkk)~~ “static water pressure” means the pipeline or municipal water supply pressure when water is not flowing.

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

~~(www) (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.

(xxx) “submeter” means a metering device to measure water applied to the landscape that is installed after the primary utility water meter.

~~(yyy) (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.

~~(zzz) (ooo)~~ “valve” means a device used to control the flow of water in the irrigation system.

(aaaa) ~~(ppp)~~ “water conserving plant species” means a plant species identified as having a very low or low plant factor.

~~(bbbb) (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.

~~(cccc) (rrr)~~ “watering window” means the time of day irrigation is allowed.

(dddd) (sss) “WUCOLS” means the Water Use Classification of Landscape Species published by the University of California Cooperative Extension; and the Department of Water Resources and the Bureau of Reclamation, 2000 2014.

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

§ 492. Provisions for New Construction or Rehabilitated Landscapes.

(a) A local agency may designate by mutual agreement, 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.

§ 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.

§ 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.

§ 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) 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.

§ 492.4 Water Efficient Landscape Worksheet.

(a) A project applicant shall complete the Water Efficient Landscape Worksheet in Appendix B which contains information on the plant factor, irrigation method, irrigation efficiency, and area associated with each hydrozone. Calculations are then made to show that the evapotranspiration adjustment factor (ETAF) for the landscape project does not exceed a factor of 0.55 for residential areas and 0.45 for non-residential areas, exclusive of Special Landscape Areas. The ETAF for a landscape project is based on the plant factors and irrigation methods selected. The Maximum Applied Water Allowance is calculated based on the maximum ETAF allowed (0.55 for residential areas and 0.45 for non-residential areas) and expressed as annual gallons required. The Estimated Total Water Use (ETWU) is calculated based on the plants used and irrigation method selected for the landscape design. ETWU must be below the MAWA. ~~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~~

~~(1) In calculating 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 or from horticultural researchers with academic institutions or professional associations as approved by the California Department of Water Resources (DWR). The plant factor ranges from 0 to 0.1 for very low water using plants, 0.1 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 shown in Appendix B described below.

(4) ETAF for new and existing (non-rehabilitated) Special Landscape Areas shall not exceed 1.0.

~~(e) Maximum Applied Water Allowance~~

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

$$MAWA = (ETo) (0.62) \{ (0.705 \times LA) + (0.3 \times SLA) \}$$

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 ETo 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 for a residential landscape project: 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:
 $= 1,108,870 / 748 = 482 \text{ hundred cubic feet per year}$
 (100 cubic feet = 748 gallons)

(2) In this next hypothetical example, the landscape project in Fresno, CA has the same ETo 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.

$$MAWA = (ET_o)(0.62) \{ (0.7 \times LA) + (0.3 \times SLA) \}$$

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

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

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

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

(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)
- ET_o = 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

$$ETWU = (51.1)(0.62) \left(\frac{17,500}{0.85} + 0 \right)$$

= 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

$$ETWU = (51.1)(0.62) \left(\frac{16,300}{0.85} + 2,000 \right)$$

= (31.68) (33,099 + 2,000)

= 1,111,936 gallons per year

Compare ETWU with MAWA. For this example:

$$\begin{aligned}
\text{MAWA} &= (51.1) (0.62) \{ (0.7 \times 50,000) + (0.3 \times 2,000) \} \\
&= 31.68 \times [35,000 + 600] \\
&= 31.68 \times 35,600 \\
&= 1,127,808 \text{ gallons per year}
\end{aligned}$$

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.

§ 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~~ shall 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

(C) In projects with multiple landscape installations (i.e. production home developments) a soil sampling rate of 1 in 7 lots or approximately 15% will satisfy this requirement. Large landscape projects shall sample at a rate equivalent to 1 in 7 lots.

(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.

§ 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. Fe

encourage the efficient use of water, the following is highly recommended Methods to achieve water efficiency shall include one or more of the following:

1. protection and preservation of native species and natural vegetation;
2. selection of water-conserving plant, tree and turf species, especially local native plants;
3. selection of plants based on local climate suitability, disease and pest resistance;
4. selection of trees based on applicable local tree ordinances or tree shading guidelines, and size at maturity as appropriate for the planting area; and
5. selection of plants from local and regional landscape program plant lists.
6. selection of plants from local Fuel Modification Plan Guidelines.

(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).

(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 Methods to achieve water efficiency shall include one or more of the following:

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]; allow for adequate soil volume for healthy root growth 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) High water use plants, characterized by a plant factor of 0.7 to 1.0, are prohibited in street medians.

(F) (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. Refer to the local Fuel Modification Plan guidelines.

(G) (F) The use of invasive and/or noxious plant species, such as those listed by the California Invasive Plant Council, is strongly discouraged.

(H) (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) Soil Preparation, Mulch and Amendments

(A) Prior to the planting of any materials, compacted soils shall be transformed to a friable condition. On engineered slopes, only amended planting holes need meet this requirement.

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

(C) For landscape installations, compost at a rate of a minimum of four cubic yards per 1,000 square feet of permeable area shall be incorporated to a depth of six inches into the soil. Soils with greater than 6% organic matter in the top 6 inches of soil are exempt from adding compost and tilling.

(D) (A) A minimum ~~two~~ three inch (23") 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. To provide habitat for beneficial insects and other wildlife, up to 5 % of the landscape area may be left without mulch. Designated insect habitat must be included in the landscape design plan as such.

(E) (B) Stabilizing mulching products shall be used on slopes that meet current engineering standards.

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

(G) Organic mulch materials made from recycled or post-consumer shall take precedence over inorganic materials or virgin forest products unless the recycled post-consumer organic products are not locally available. Organic mulches are not required where prohibited by local Fuel Modification Plan Guidelines or other applicable local ordinances.

~~(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).~~

(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, installation details, and 24-hour retention or infiltration capacity of any applicable stormwater best management practices that encourage on-site retention and infiltration of stormwater. Project applicants shall refer to the local agency or regional Water Quality Control Board for information on any applicable stormwater technical requirements. Stormwater best management practices are encouraged in the landscape design plan and examples include, ~~but are not limited to:~~ are provide in Section 492.16.

~~(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.~~) as discussed in Section 492.16 and their 24-hour retention or infiltration capacity; (12) identify any applicable graywater discharge piping, system components and area(s) of distribution;

(13) ~~(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

(14) ~~(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.

§ 492.7 Irrigation Design Plan.

(a) This section applies to landscaped areas requiring permanent irrigation, not areas that require temporary irrigation solely for the plant establishment period. 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, defined as either a dedicated water service meter or private submeter, are highly recommended on landscape areas smaller than 5,000 square feet to facilitate water management shall be installed for all non-residential irrigated landscapes of 1,000 sq. ft. but not more than 5,000 sq.ft. (the level at which Water Code 535 applies)-and residential irrigated landscapes of 5,000 sq. ft. or greater. A landscape water meter may be either:~~

1. a customer service meter dedicated to landscape use provided by the local water purveyor; or
2. a privately owned meter or submeter.

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

(C) If the water pressure is below or exceeds the recommended pressure of the specified irrigation devices, the installation of a pressure regulating device is required ~~The irrigation systems shall be designed~~ to ensure that the dynamic pressure at each emission device is within the manufacturer’s recommended pressure range for optimal performance.

- 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.
- 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~~ required for all on non-residential landscapes and residential landscapes of 5000 sq. ft. or larger.

(H) Master shut-off valves are required on all projects except landscapes that make use of technologies that allow for the individual control of sprinklers that are individually pressurized in a system equipped with low pressure shut down features.

(I) ~~(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.

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

(K) ~~(H)~~ The design of the irrigation system shall conform to the hydrozones of the landscape design plan.

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

(M) All irrigation emission devices must meet the requirements set in the American National Standards Institute (ANSI) standard, American Society of Agricultural and Biological Engineers'/International Code Council's (ASABE/ICC) 802-2014 "Landscape Irrigation Sprinkler and Emitter Standard. All sprinkler heads installed in the landscape must document a distribution uniformity low quarter of 0.65 or higher using the protocol defined in ASABE/ICC 802-2014.

(N) ~~(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.

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

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

(Q) ~~(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.

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

(S) ~~(Q)~~ Check valves or anti-drain valves are required ~~for all irrigation systems on all~~ sprinkler heads where low point drainage could occur.

(T) ~~(R)~~ ~~Narrow or irregularly shaped areas, including turf.~~ Areas less than ~~ten~~ eight (8) feet in width in any direction shall be irrigated with subsurface irrigation or ~~low volume irrigation system.~~ other means that produces no runoff or overspray.

(U) (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)(IH). Prevention of overspray and runoff must be confirmed during the irrigation audit.

(V) Slopes greater than 25% shall not be irrigated with an irrigation system with a precipitation application 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 to facilitate the appropriate irrigation of trees. The mature size and extent of the root zone shall be considered when designing irrigation for the tree.

(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;
- (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.

§ 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.

§ 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;
- (B) A diagram of the irrigation plan showing hydrozones shall be kept with the irrigation controller for subsequent management purposes.

(3) irrigation scheduling parameters used to set the controller (see Section 492.10);

(4) landscape and irrigation maintenance schedule (see Section 492.11);

(5) irrigation audit report (see Section 492.12); and

(6) soil analysis report, if not submitted with Landscape Documentation Package, and documentation verifying implementation of soil report recommendations (see Section 492.5).

- (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.

§ 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.

§ 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; auditing, adjustment and repair of the irrigation system and its components; aerating and dethatching turf areas; topdressing with compost, replenishing mulch; fertilizing; pruning; weeding in all landscape areas, and removing ~~and~~ obstructions 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 or with components with greater efficiency.

(d) A project applicant is encouraged to implement established landscape industry sustainable Best Practices ~~or environmentally friendly practices~~ for overall all landscape maintenance activities.

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

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

(a) All landscape irrigation audits shall be conducted by a local agency landscape irrigation auditor or a third party certified landscape irrigation auditor. Landscape audits shall not be conducted by the person who designed the landscape or installed the landscape

(b) In large projects or projects with multiple landscape installations (i.e. production home developments) an auditing rate of 1 in 7 lots or approximately 15% will satisfy this requirement.

~~(b)~~ (c) For new construction and rehabilitated landscape projects installed after January 1, 2010 ~~December 1, 2015~~, as described in Section 490.1:

(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, including configuring irrigation controllers with application rate, soil types, plant factors, slope, exposure and any other factors necessary for accurate programming;

(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.

§ 492.13 Irrigation Efficiency.

(a) For the purpose of determining ~~Maximum Applied Water Allowance~~ Estimated Total Water Use, average irrigation efficiency is assumed to be 0.75-0.71 for overhead spray devices and 0.81 for drip system devices. ~~Irrigation systems shall be designed, maintained, and managed to meet or exceed a site-wide average landscape irrigation efficiency of 0.71.~~

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

§ 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).~~

~~(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.~~

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

~~(d)~~ (c) Landscapes using recycled water are considered Special Landscape Areas. The ET Adjustment Factor for new and existing (non-rehabilitated) Special Landscape Areas shall not exceed 1.0.

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

§ 492.15 Graywater Systems.

(a) Graywater systems promote the efficient use of water and are encouraged to assist in on-site landscape irrigation. All graywater systems shall conform to the California Plumbing Code (Title 24, Part 5, Chapter 16) and any applicable local ordinance standards. Refer to § 490.1 (d) for the applicability of this ordinance to landscape areas less than 2,500 square feet with the Estimated Total Water Use met entirely by graywater.

§ 492.165 Stormwater Management and Rainwater Retention.

(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 rainwater 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 technical requirements ordinances and stormwater management plans.

(c) All planted landscape areas are required to have friable soil to maximize water retention and infiltration. Refer to § 492.6(a)(3).

(d) It is strongly recommended that landscape areas be designed for capture and infiltration capacity that is sufficient to prevent runoff from impervious surfaces (i.e. roof and paved areas) from either: the one inch, 24-hour rain event or (2) the 85th percentile, 24-hour rain event, and/or additional capacity as required by any applicable local, regional, state or federal regulation.

(e) It is recommended that storm water projects incorporate any of the following elements to improve on-site storm water and dry weather runoff capture and use:

- Grade impervious surfaces, such as driveways, during construction to drain to vegetated areas.
- Minimize the area of impervious surfaces such as paved areas, roof and concrete driveways.
- Incorporate pervious or porous surfaces (e.g., gravel, permeable pavers or blocks, pervious or porous concrete) that minimize runoff.
- Direct runoff from paved surfaces and roof areas into planting beds or landscaped areas to maximize site water capture and reuse.
- Incorporate rain gardens, cisterns, and other rain harvesting or catchment systems.
- Incorporate infiltration beds, swales, basins and drywells to capture storm water and dry weather runoff and increase percolation into the soil.
- Consider constructed wetlands and ponds that retain water, equalize excess flow, and filter pollutants.

~~(e) 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.

§ 492.176 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 or water supplier/purveyor shall provide information to owners of permitted renovations and new single-family residential homes regarding the design, installation, management, and maintenance of water efficient landscapes based on a water budget.

(b) Model Homes. All model homes shall be landscaped and 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. Signage shall include information about the site water use as designed per the local ordinance; specify who designed and installed the water efficient landscape; and demonstrate low water use approaches to landscaping such as using native plants, graywater systems, and rainwater catchment systems.

(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.

§ 492.187 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.

§ 493. Provisions for Existing Landscapes.

(a) A local agency may by mutual agreement, 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.

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

(a) This section, 493.1, shall apply to all existing landscapes that were installed before ~~January 1, 2010~~ December 1, 2015 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.

§ 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.

§ 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) [(0.70.55 x LA) + (0.30.45 x SLA)] for residential areas.

MAWA = (ET_o - Eppt) (0.62) [(0.45 x LA) + (0.55 x SLA)] for non-residential areas.

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

§ 495. Reporting.

(a) Local agencies shall report on implementation and enforcement by December 31, 2015. Local agencies responsible for administering individual ordinances shall report on their updated ordinance, while those agencies developing a regional ordinance shall report in their existing ordinance. Those agencies crafting a regional ordinances shall also report on their new ordinance by March 1, 2016. Subsequently, reporting for all agencies will be due by January 31st of each year. Reports should be submitted as follows.

(b) Local agencies are to address the following:

- (1) State whether you are adopting a single agency ordinance or a regional agency alliance ordinance, and the date of adoption or anticipated date of adoption.
- (2) Define the reporting period. The reporting period shall commence on December 1, 2015 and the end on December 28, 2015. For local agencies crafting regional ordinances with other agencies, there shall be an additional reporting period commencing on February 1, 2016 and ending on February 28, 2016. In subsequent years, all local agency reporting will be for the calendar year.
- (3) State if using a locally modified Water Efficient Landscape Ordinance (WELO) or the MWELo. If using a locally modified WELO, how is it different than MWELo, is it at least as efficient as MWELo, and are there any exemptions specified?
- (4) State the entity responsible for implementing the ordinance.
- (5) State number and types of projects subject to the ordinance during the specified reporting period.
- (6) State the total area (in square feet or acres) subject to the ordinance over the reporting period, if available.
- (7) Provide the number of new housing starts, new commercial projects, and landscape retrofits during the reporting period.
- (8) Describe the procedure for review of projects subject to the ordinance.
- (9) Describe actions taken to verify compliance. Is a plan check performed; if so, by what entity? Is a site inspection performed; if so, by what entity? Is a post-installation audit required; if so, by whom?
- (10) Describe enforcement measures.
- (11) Explain challenges to implementing and enforcing the ordinance.
- (12) Describe educational and other needs to properly apply the ordinance.

Appendices.

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

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
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
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

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
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
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													

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
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
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
Cameros	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

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
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
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 Desert	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
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
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													
<u>Benicia</u>	<u>1.3</u>	<u>1.4</u>	<u>2.7</u>	<u>3.8</u>	<u>4.9</u>	<u>5.0</u>	<u>6.4</u>	<u>5.5</u>	<u>4.4</u>	<u>2.9</u>	<u>1.2</u>	<u>0.7</u>	<u>40.3</u>
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
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 these equations:

$MAWA = (ET_o) (0.62) \{ (0.57 \times LA) + (0.3 \times SLA) \}$
where:

- MAWA = Maximum Applied Water Allowance (gallons per year)
- ET_o = 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 Factors for Special Landscape Area in residential and non-residential areas, respectively (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:

$MAWA = (ET_o - Eppt) (0.62) \{ (0.705 \times LA) + (0.3 \times SLA) \}$

Maximum Applied Water Allowance = _____ gallons per year

Show calculations.

Section B2. Estimated Total Water Use (ETWU)

Appendix B – Sample Water Efficient Landscape Worksheet.

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ET_o) _____

Hydrozone # /Planting Description ^a	Plant Factor (PF)	Irrigation Method ^b	Irrigation Efficiency (IE) ^c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^d
Regular Landscape Areas							
				Totals	(A)	(B)	
Special Landscape Areas							
				1			
				1			
				1			
				Totals	(C)	(D)	
				ETWU Total			
				Maximum Allowed Water Allowance (MAWA)^e			

^aHydrozone #/Planting Description
E.g
1.) front lawn
2.) low water use plantings
3.) medium water use planting

^bIrrigation Method
overhead spray
or drip

^cIrrigation Efficiency
0.75 for spray head
0.81 for drip

^dETWU (Annual Gallons Required) =
E_{to} x 0.62 x ETAF x Area
where 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year.

^eMAWA (Annual Gallons Allowed) = (E_{to}) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	(B)
Total Area	(A)
Average ETAF	B ÷ A

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	(B+D)
Total Area	(A+C)
Sitewide ETAF	(B+D) ÷ (A+C)

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 492.65.

Attach documentation verifying implementation of recommendations from soil analysis report per ordinance Section 492.65.

Appendix D – Sample Water Efficient Landscape Worksheet.

Appendix D – Prescriptive Compliance Option

(a) This appendix contains prescriptive requirements which may be used as a compliance option to the Model Water Efficient Landscape Ordinance.

(b) Compliance with the following items is mandatory and must be documented on a landscape plan in order to use the prescriptive compliance option:

- (1) Submit a Landscape Documentation Package which includes the following elements:
 - (A) date
 - (B) project applicant
 - (C) project address (if available, parcel and/or lot number(s))
 - (D) total landscape area (square feet), including a breakdown of turf and plant material
 - (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) contact information for the project applicant and property owner
 - (H) applicant signature and date with statement, "I agree to comply with the requirements of the prescriptive compliance option to the MWEL0".
- (2) Incorporate compost at a rate of at least four cubic yards per 1,000 square feet to a depth of six inches into landscape area (unless contra-indicated by a soil test);
- (3) Plant material shall comply with all of the following:
 - (A) For residential areas, install climate adapted plants that require occasional, little or no summer water (average WUCOLS plant factor 0.3) for 75% of the plant area excluding edibles and areas using recycled water; For non-residential areas, install climate adapted plants that require occasional, little or no summer water (average WUCOLS plant factor 0.3) for 100% of the plant area excluding edibles and areas using recycled water;
 - (B) A minimum three inch (3") 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.
- (4) Turf shall comply with all of the following:
 - (A) Turf shall not exceed 25% of the landscape area in residential areas, and there shall be no turf in non-residential areas;
 - (B) Turf shall not be planted on sloped areas which exceed a slope of 1 foot vertical elevation change for every 4 feet of horizontal length;
 - (C) Turf is prohibited in parkways less than 10 feet wide, unless the parkway is adjacent to a parking strip and used to enter and exit vehicles. Any turf in parkways must be irrigated by sub-surface irrigation or by other technology that creates no overspray or runoff.
- (5) Irrigation systems shall comply with the following:
 - (A) Automatic irrigation controllers are required and must use evapotranspiration or soil moisture sensor data.
 - (B) Irrigation controllers shall be of a type which does not lose programming date in the event the primary power source is interrupted.
 - (C) Pressure regulators shall be installed on the irrigation system to ensure the dynamic pressure of the system is within the manufacturers recommended pressure range.
 - (D) Manual shut-off valves (such as a gate valve, ball valve, or butterfly valve) shall be installed as close as possible to the point of connection of the water supply.
 - (E) All irrigation emission devices must meet the requirements set in the ANSI standard, ASABE/ICC 802-2014, "Landscape Irrigation Sprinkler and Emitter Standard," All sprinkler heads installed in the landscape must document a distribution uniformity low quarter of 0.65 or higher using the protocol defined in ASABE/ICC 802-2014.

(c) At the time of final inspection, the permit applicant must provide the owner of the property with a certificate of completion, certificate of installation, irrigation schedule and a schedule of landscape and irrigation maintenance.

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**CITY COUNCIL/SUCCESSOR REDEVELOPMENT AGENCY/
FINANCING AUTHORITY/HOUSING AUTHORITY AGENDA ITEM**

SUBJECT:

Hold A Public Hearing Before The City Council Of The City Of Ridgecrest Regarding The Community Development Block Grant (CDBG) Funding In The Estimated Amount Of \$138,000.00 And Adopt the Resolution Approving The Fiscal Year 2016-2017 Annual Application And Direct Staff to Submit The Application

PRESENTED BY:

Dennis Speer, Public Works Director

SUMMARY:

A noticed Public Hearing for November 18, 2015 was established to discuss and prioritize proposed Community Development Block Grant (CDBG) Projects for the Fiscal Year 2016-2017 Annual Action Plan and Application for Community Development Programs within the County of Kern. The anticipated funding amount for Fiscal Year 2016-2017 is \$138,000.00. The Resolution is presented to confirm the allocation of funds at the conclusion of the Public Hearing and must be filed, along with the project application, with the County of Kern prior to December 11, 2015.

It is staff's recommendation to use this proposed funding toward the completion of the Senior Center Project that began with Fiscal Funding from CDBG 2012-2013.

Public comments are solicited and will be heard and accepted before approval of any selected projects.

FISCAL IMPACT:

None

Reviewed by Finance Director

ACTION REQUESTED:

Hold A Public Hearing Before The City Council Of The City Of Ridgecrest Regarding The Community Development Block Grant (CDBG) Funding In The Estimated Amount Of \$138,000.00 And Adopt the Resolution Approving The Fiscal Year 2016-2017 Annual Action Plan and Application And Direct Staff to Submit The Application

CITY MANAGER / EXECUTIVE DIRECTOR RECOMMENDATION:

Action as requested:

Submitted by: Karen Harker
(Rev. 02/13/12)

Action Date: November 18, 2015

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RESOLUTION NO. 15-XX

A PUBLIC HEARING BEFORE THE CITY COUNCIL OF THE CITY OF RIDGECREST REGARDING THE COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) FUNDING IN THE ESTIMATED AMOUNT OF \$138,000.00 AND A RESOLUTION APPROVING THE FISCAL YEAR 2016-2017 ANNUAL ACTION PLAN AND APPLICATION AND DIRECT STAFF TO SUBMIT THE APPLICATION

WHEREAS, the Kern County Department of Community Development requires that public comment be obtained for proposed Community Development Block Grant (CDBG) Projects for the FY 2016-2017; and

WHEREAS, the City Council of the City of Ridgecrest on November 18, 2015 held a duly noticed Public Hearing for the purpose of obtaining public input and identifying unmet needs of the community; and

WHEREAS, the anticipated funding amount for FY 2016-2017 is \$138,000.00; and

WHEREAS, it is staff's recommendation to use this funding allocation for the continuation of the Senior Center Project; and

WHEREAS, this project was funded in Fiscal Year 2012-2013 by CDBG and will amend the contract 17.13.1.

NOW THEREFORE, BE IT RESOLVED that the City Council of the City of Ridgecrest Does Hereby Approve The Annual Action Plan for Fiscal Year 2016-2017 Funding In The Estimated Amount of \$138,000.00 And Approves The Kern County Community Development Block Grant Annual Application And Directs Staff To Submit The Application.

APPROVED AND ADOPTED this 18th day of November 2015, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Peggy Breeden, Mayor

ATTEST"

Rachel J. Ford, CMC, City Clerk

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