



MARINA COAST WATER DISTRICT

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DIRECTORS

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Vice President

WILLIAM Y. LEE
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Agenda

Regular Meeting

Water Conservation Commission

Thursday, November 2, 2017, 5:30 PM

MCWD Fort Ord Offices, 2840 4th Avenue, Marina, CA

(Please Note the Different Location)

Water Conservation Commission Mission Statement

To provide input to the Board of Directors on matters pertaining to the preservation of the District's water resource through conservation, technological improvements and policy.

Commission Members

Chair - Philip Clark

Vice Chair - Charlie Eskridge

Jan Shriner (MCWD Board Representative)

Dave Brown (Marina City Council)

Margaret-Anne Coppernoll (Public Member)

Jim Felton (Public Member)

Jason Montgomery (Public Member)

Efrem Valentin (Public Member)

Bethany Taylor (Public Member)

Walter Erwin (Public Member)

This meeting has been noticed according to the Brown Act rules. The Commission will receive information on, discuss, and may consider taking action or directing staff to return to the Board for action on items contained in this agenda. Some items are informational and are provided as a written report or verbal update and may not require Commission action.

1. Call to Order/Roll Call

2. Public Comments on any item not on the Agenda *Any person wishing to address the Commission on matters not appearing on the Agenda may do so at this time. Please limit your comment to three minutes. The public may comment on any other item(s) listed on the Agenda at the time the item(s) is considered by the Commission.*

3. Action Items:

A. Approve the September 7, 2017 Meeting Minutes

4. Staff Reports:

A. Receive an Update on Recent Public Information Events – City of Seaside's Second Annual PARK(ing) DAY

- B. Receive a Verbal Update on the September 13, September 21, October 11, and October 26, 2017 WCC Working Group Meetings
 - C. Receive a Report on the Progress of WaterLink Multi-family Retrofitting
 - D. Receive a Verbal Update on Proposed Changes to the MCWD Water Code, Chapter 3.36
 - E. Receive Updated GPCD, Water Production, and Water Consumption Data
 - F. Receive the Validated 2016 Water Loss Audit Report and Level 1 Validation Document
5. Receive an Update on Board/District Activities
 6. Receive Comments from Commission Members *Please limit your comments to three minutes.*
 7. Adjournment

Next Meeting: Thursday, December 7, 2017, 5:30 p.m.

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 3-A

Meeting Date: November 2, 2017

Prepared By: Paula Riso

Presented By: Paula Riso

Agenda Title: Approve the September 7, 2017 Meeting Minutes

Background: *Strategic Plan, Mission Statement – We Provide high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of September 7, 2017 are provided for the Commission to consider approval.

Environmental Review Compliance: None required.

Financial Impact: ___ Yes __X__ No Funding Source/Recap: None

Other Considerations: The Commission can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of the September 7, 2017 meeting.

Action Required: ___ Resolution __X__ Motion ___ Review

Commission Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-A

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive an Update on Recent Public Information Events – City of Seaside's Second Annual PARK(ing) DAY

Summary: The Commission is to receive a verbal update on recent the most recent public outreach event - City of Seaside's Second Annual PARK(ing) DAY

PARK(ing) Day is an annual worldwide event where artists, designers and citizens transform metered parking spots into temporary public parks helping to advance the critical dialogue around the use of urban public space. The project began in 2005 when Rebar, a San Francisco art and design studio, converted a single metered parking space into a temporary public park in downtown San Francisco. Since 2005, PARK(ing) Day has evolved into a global movement, with organizations and individuals (operating independently of Rebar but following an established set of guidelines) creating new forms of temporary public space in urban contexts around the world. The mission of PARK(ing) Day is to call attention to the need for more urban open space, to generate critical debate around how public space is created and allocated, and to improve the quality of urban human habitat.

Since it was first established, PARK(ing) Day has been adapted and remixed to address a variety of social issues in diverse urban contexts around the world, and the project continues to expand to include interventions and experiments well beyond the basic “tree-bench-sod” park typology first modeled in 2005. In recent years, participants have built free health clinics, planted temporary urban farms, produced ecology demonstrations, held political seminars, built art installations, opened free bike repair shops, and educated citizens about saving water during showers! All this in the context of this most modest urban territory – the metered parking space.

Staff will share photographs taken at this year’s event that was planned, put together, and manned by Water Conservation Commissioner Phil Clark, Water Conservation Specialist II Danielle Driscoll, and CSUMB Service Learning Student Sarah Coffin.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-B

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive a Verbal Update on the September 13, September 21st, October 11th, and October 26th WCC Working Group Meetings

Summary:

September 13th – This meeting was cancelled.

September 21st – This meetings main topic was Parliamentary Procedure –Conducting Orderly Meetings. Two study guides were provided to the attendees, to help guide the discussion. Online video examples of how to conduct orderly meetings were viewed, then discussed, by the Commissioners.

October 11th – After some lengthy discussion about planned new development, the Commissioners continued to learn about appropriate Parliamentary Procedure - reviewing Commissioners experiences with parliamentary procedure during meetings in the past.

October 26th – Commissioners discussed new goals and objectives for 2018, learned about water allocations in the Ord Community, and discussed plans for a holiday dinner.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-C

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive a report on the Progress of WaterLink Multi-family Retrofitting

Summary: WaterLink is a water-energy savings program that provides turnkey water-energy upgrades to residents and businesses in Disadvantaged Communities (DACs) in the Monterey Bay area. WaterLink delivers a suite of proven efficiency measures that guarantee lasting water and energy savings and produce immediate economic benefits for DAC residents and businesses by reducing their utility bills. WaterLink installs Energy Star certified equipment in multi-family housing units.

Ecology Action of Santa Cruz received a 2.4 million dollar grant from the Department of Water Resources to implement the WaterLink program throughout the Santa Cruz and Monterey Bay Counties. Ecology Action has partnered with Marina Coast Water District staff to reach multifamily and commercial customers that will benefit from this program. To date MCWD has provided Ecology Action with 250 showerheads, 500 bathroom aerators, and 250 kitchen sink aerators in support of their retrofitting efforts. MCWD staff has helped find sites to retrofit by contacting the managers of multi-family properties via email and letters mailed out via the postal service. It is the responsibility of the property management firms to then contact Ecology Action to schedule the retrofits.

Between September 16 and October 20, 2017, the WaterLink staff has installed showerheads and faucet aerators in ninety-four multi-family housing units at seven properties in the Marina service area. In the Ord service area, seventy-three housing units in the Bay View Community have been retrofitted. Pending some modifications to an agreement, Ecology Action is very close to signing a project agreement with Sun Bay Apartments, a three-hundred unit complex also in the Ord service area.

WaterLink staff has also signed project agreements with two MCWD customers to replace a total of 8 multi-family clothes washers with more efficient Energy Star clothes washing machines. These commercial clothes washers will most likely be installed in early November.

Efforts to contact and retrofit commercial accounts has not yet begun. This work is planned for the winter months of 2017-18.

In at least the past fifteen years, there has not been a project achieving accomplishments of this extent in reducing water consumption and energy use in the Marina Coast Water District service areas. Clearly, staff's 2017 goal to accomplish fixture retrofitting in multi-family housing units has been achieved. Special thanks are to Ecology Action for all their hard work obtaining the grant funding, and the WaterLink program staff for their work assisting our customers.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-D

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive a verbal update on Proposed Changes to the MCWD Water Code, Chapter 3.36

Summary: Before presenting the proposed changes of the District's water code to the Board of Directors as a first reading, staff requested Board direction regarding proposed changes to the MCWD Water Code. Apart from a suggestion that staff look into a comparison of water service fees charged, between master metered hotels/motels and residential services, the Board received the suggested Water Code updates as written.

The Board's recommended water service fee comparison may result in changes to this chapter of the District's Water Code, Therefore, staff will present the first reading of an ordinance to change the Water Code after the Rate Study is complete in early Spring 2018.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-E

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive Updated GPCD, Water Production, and Water Consumption Data

Summary: In response to the ongoing drought, the State Water Resources Control Board (SWRCB) approved an emergency regulation that directs water purveyors to electronically report monthly water production and consumption figures. Also to be reported to the SWRCB is an estimate of the amount of water used each day by residential customers. This estimate, called “residential gallons per capita per day”, or R-GPCD, more accurately portrays water use by individuals and allows communities to compare their efforts accurately with others around the state.

In support of the SWRCB actions, Marina Coast Water District staff has increased their efforts to compile and submit the required production, R-GPDC data, and other required monitoring reports each month. Staff will provide tables and charts that show water production figures through September 30th. Staff will also include tables and charts showing the gallons-per-capita-day (GPCD) and R-GPCD data that has been compiled. The documents are entitled:

- 2010 - 2017 Total Production by Month
- Monthly Production Savings and Cumulative Savings, June 2015 – Current Month
- 2017 Production vs. Water Production Reduction Goals
- 2013 - 2017 Monthly GPCD (Gross Production)
- 2013 – 2017 Residential Gallons-Per-Capita-Day
- 2013 – 2017 Total Billed Consumption (Line Graph)
- 2017 Total Billed Consumption (Pie Chart)
- 2013 – 2017 Total Consumption by Month (Bar Graph)
- 2013 – 2017 Single-Family Consumption by Month
- 2013 – 2017 Multi-Family Consumption by Month
- 2013 – 2017 Residential Consumption by Month
- 2013 – 2017 Commercial/Institutional Consumption by Month
- 2013 – 2017 Landscape Irrigation Consumption by Month
- 2015 – 2017 Temporary Hydrant Meter Water Use and Number of Meters
- 12 Month Categorical Meter Count
- 2015-2017 Meter Count vs Metered Consumption

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 4-F

Meeting Date: November 2, 2017

Prepared By: Paul Lord

Presented By: Paul Lord

Reviewed By: Jean Premutati

Subject: Receive the Validated 2016 Water Loss Audit Report and Level 1 Validation Document

Summary: Previously, water retail water suppliers were asked to submit water loss audits as part of urban water management plans prepared only once every five years. Now, water loss audits are required annually. California Senate Bill 555, passed in October 2015, requires all urban retail water suppliers in the state to submit a completed and validated water loss audit annually to the California Department of Water Resources (DWR) beginning October 2017.

A water loss audit is an accounting exercise that is conceptually similar to a financial audit. Whereas a financial audit tracks all sources and uses of funds for an organization, a water loss audit tracks all sources and uses of water within a water system over a specified period to estimate the volume and value of water loss. Water loss audits are a valuable tool used to help identify and prioritize a water purveyor's operations that can be improved to maximize the efficiency of water production and delivery. The water loss audit also helps improve the generation of revenue by estimating the financial value of water losses. Having a water loss audit validated by an independent third party assures that the source of the data is reliable, complete, consistent, and accurate.

Once the State has established the annual water loss audits and water purveyors have reached minimum standards of audit reliability, performance measures will be established by the State to help guide the purveyors towards long-term water loss reductions, targeted conservation efforts, and an improvement in the generation of revenue.

The 2016 MCWD water audit metrics reveal an Infrastructure Leakage Index (ILI) of 1.41 that describes a water system that experiences leakage at 1.41 times the modeled technical minimum for its system characteristics. Key operational practices that are found to help reduce the Infrastructure Leakage Index in other distribution systems include setting up controlled and 'real-time' monitored water supply distribution zones, setting leakage thresholds for each water supply zone, conducting targeted proactive leak detection work using modern leak detection technologies, performing water distribution pressure management to both reduce and stabilize water supply pressures, and having an ongoing commitment to leakage repair.

The Data Validity Score of 71, falling within Band IV (71-90) of five bands and a scale to 100, suggests that the next improvement steps for the District may be focused primarily on evaluating cost-effective interventions for water and revenue loss recovery, as previously stated, while maintaining data collection and validation processes with data improvements as warranted. Several data collection improvement actions suggested by the third party audit validator are: 1) aligning the recorded annual water consumption figures closer to the metered amount of water produced, 2) the metering of unmetered connections, and 3) the development of a customer meter accuracy testing and meter replacement program that would help set meter replacement goals based upon accuracy test results.