NIPOMO COMMUNITY SERVICES DISTRICT

FRIDAY, December 2, 2011

1:00 P. M.

SPECIAL MEETING NOTICE & AGENDA

WATER CONSERVATION COMMITTEE

COMMITTEE MEMBERS
MICHAEL WINN, **CHAIR**
LARRY VIERHEILIG, **MEMBER**

PRINCIPAL STAFF
MICHAEL S. LEBRUN, **GENERAL MANAGER**
LISA BOGNUDA, **ASSISTANT GENERAL MANAGER**
PETER SEVCIK, **DISTRICT ENGINEER**

MEETING LOCATION
District Board Room
148 S. Wilson Street
Nipomo, California

1. **CALL TO ORDER, FLAG SALUTE & ROLL CALL**

2. **REVIEW STATUS OF DISTRICT WATER CONSERVATION PROGRAM DISCUSS PROGRAM DIRECTION IN 2012**
   ACTION RECOMMENDED: Receive Report and Direct Staff

3. **REVIEW GARDEN SOFT TEST WEBSITE**
   ACTION RECOMMENDED: Receive Update and Provide staff Direction

4. **ADJOURN**

**** End Special Meeting Notice ****

TO: WATER CONSERVATION COMMITTEE

FROM: MICHAEL S. LEBRUN MSL
GENERAL MANAGER

DATE: NOVEMBER 30, 2011

AGENDA ITEM 2
DECEMBER 2, 2011

REVIEW STATUS OF DISTRICT WATER CONSERVATION PROGRAM AND DISCUSS PROGRAM DIRECTION IN 2012

ITEM

Review District Water Conservation Program and discuss Program Direction [RECOMMEND REVIEW PROGRAM AND DIRECT STAFF]

BACKGROUND

The District adopted its Water Conservation Program in February 2008. District groundwater production levels have dropped steadily since 2007. This year's production is up slightly from 2010 – see attached graphs of production data - while District service population appears to be static or marginally increased. The District's Conservation and Public Outreach position has been vacant since early in 2011. Budget constraints and limited staffing resources have precluded the active recruitment of this position. Staff has continued a number of conservation efforts through 2011, with some notable highlights:

- Joined County in successful application for Proposition 84 Integrated Regional Water Management grant funding. $2.3 million award is pending and requires continued compliance with Department of Water Resources Best Management Practices.

- Adopted 2010 update of District's Urban Water Management Plan in June. The updated Plan represents the District strongest effort to-date at defining the District's future water needs and the sources to fill those needs. The Plan includes an evaluation of the District's per capita water use and documents the District is currently meeting the State's goal for year 2020 of a 20% reduction in per capita use. In November, Department of Water Resources formally accepted the District's update as meeting State requirements.

- Re-emphasized the District's existing high efficiency clothes washer rebate program through advertising. Fifty rebates have been issued to date this year, compared to twenty-one in 2010.

- Continued our K-12 classroom water conservation education program with Science Discovery.

- Maintained compliance with State requirements for water conservation Best Management Practices (BMP). The District recently completed an AWWA Water Audit to comply with California Urban Water Conservation Council (State Department of Water Resources implementation arm) BMP 1.3. (see attached).

- Hosted a presentation by David Fross of Native Son's Nursery speaking about alternatives to lawn.

- Continued active water conservation reminders in billing, lobby area, and local paper.

- Participated with County-wide Partners for Water Conservation in developing a County specific website to aid home owners in plant selection and water conservation practices

Currently, the District is coordinating with the County to include a request for IRWM planning grant funds to study the development and use of recycled wastewater in the District. The grant applications are due in January 2012. (Related Materials Attached).

Less notably, the District replaced stressed and dying shrubs at the Administrative offices with low water native shrubs and staff continue to work with landscape contractors to minimize landscape water use at the office and Vista Verde Landscape Management District.

In 2012 and in 2013 the District expects to add operations staffing in support of expanding and upgrading water and wastewater facilities. Staff is reviewing staff organizational structure in light of this projected staff growth. Consideration of how the duties and responsibilities of the District's Conservation and Public Outreach position might be redistributed are part of the consideration.

FISCAL IMPACT

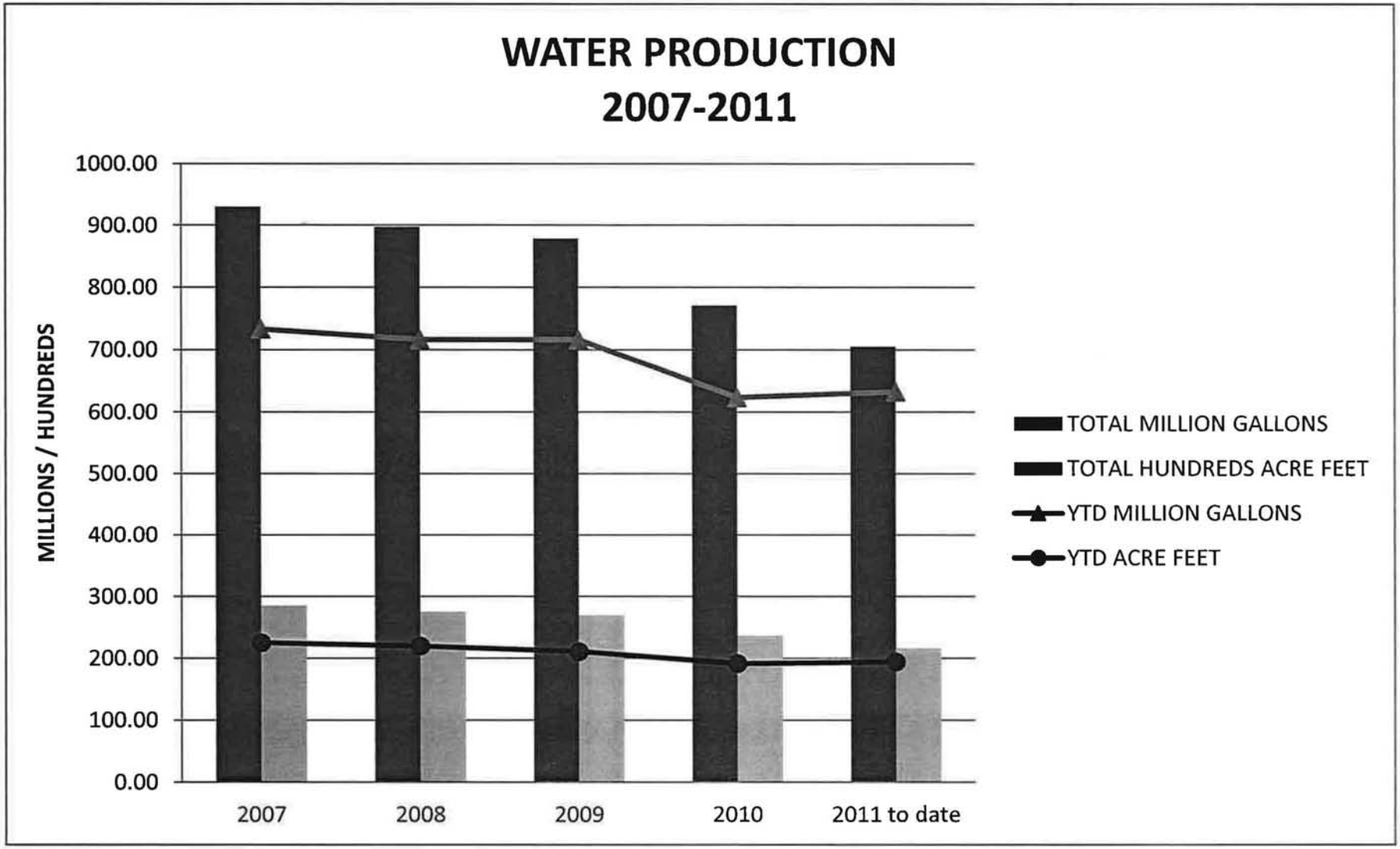
District water conservation efforts are included in the 2011 2012 fiscal budget.

RECOMMENDATION

Staff recommends that your Committee receive the presentation, ask questions, and direct staff.

ATTACHMENTS

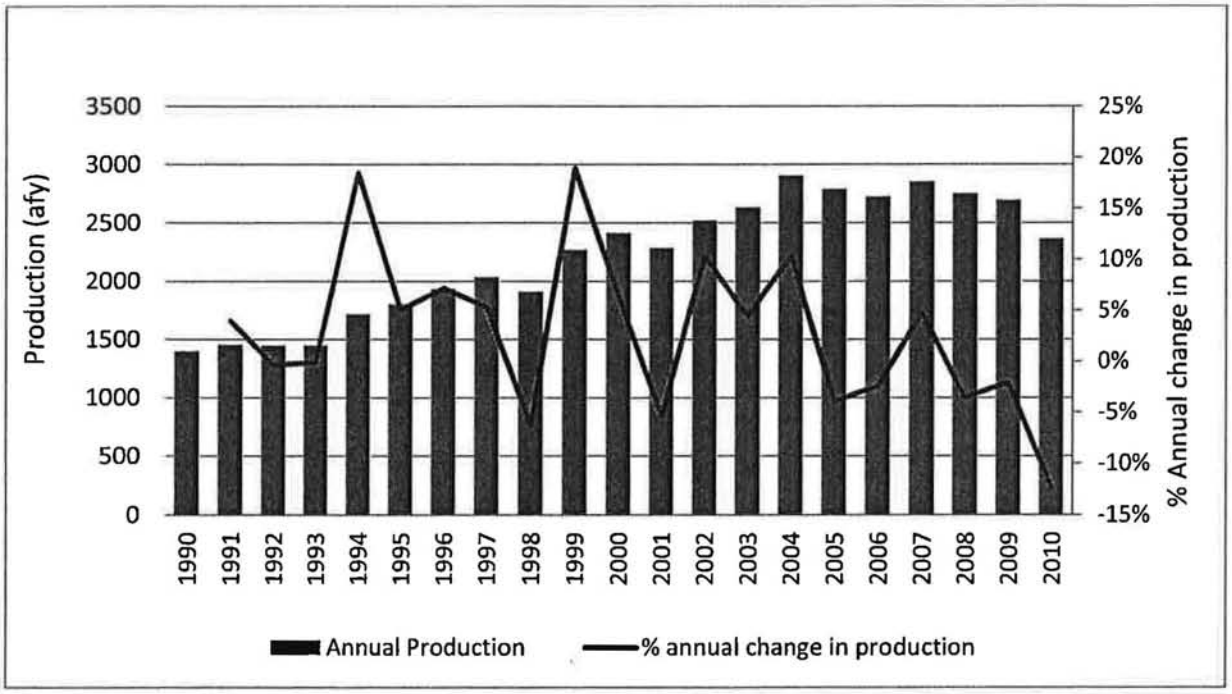
- 2007-2011 Water Production
- Page 3-1, NCSD 2010 UWMP Update
- Page 3-6, NCSD 2010 UWMP Update
- AWWA Water Audit Worksheet
- IRWM Planning Grant Information



3 WATER DEMANDS

Historically, NCSD has experienced periods of rapidly increasing water demand corresponding with rapid growth and development in the Nipomo area (see Section 1.6). For example, between 1990 and 2005, the District's total production increased from 1,240 afy to 2,794 afy. This equates to an annual average growth rate of 5.6%. As a reflection of ongoing conservation efforts and a persistent economic recession, the District's production has stabilized, and actually decreased by 15% from 2,794 afy in 2005 to 2,366 afy in 2010.

Figure 14. NCSD Historical Production



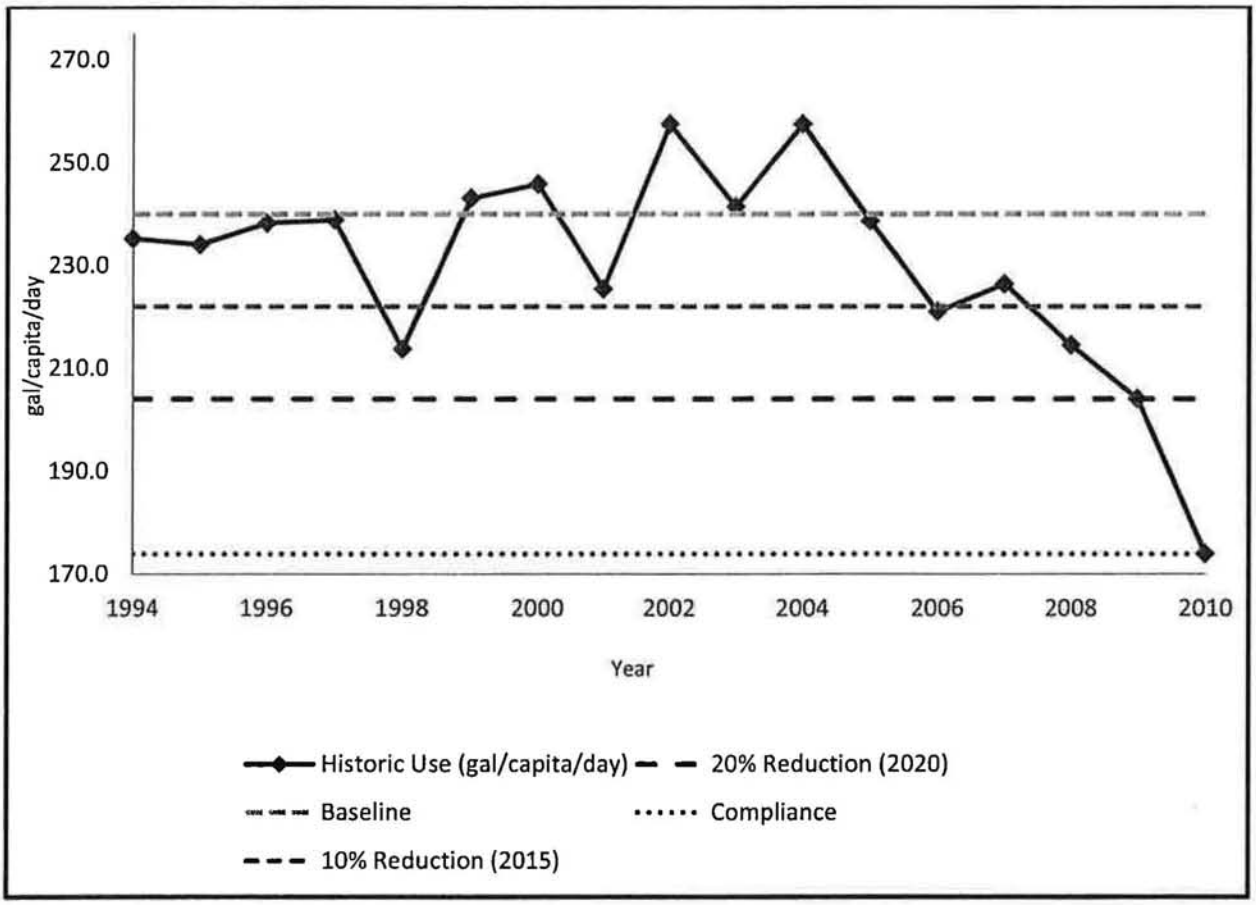
3.1 DEMAND SUMMARY BY CUSTOMER TYPE

The projected demands reflect demand between 2015 and 2020 as a result of assumed compliance with the per capita water use target water use (2020) identified in the Daily Per Capita Water Use Technical Memorandum (Appendix A). The District's current water use of 173.9 gpcd is well below its 2020 target of 204 gpcd. It is assumed that water use in 2010 has decreased drastically due to multiple factors including economic recession, water conservation efforts, a wetter than average hydrologic year, and many others. Therefore, it is assumed that NCSD's demand will increase in the coming years. The projected demands from 2015-2020 are assumed to meet the 2020 target of 204 gpcd. Historical and projected demands were developed in Work Product 1 (Appendix B) and are summarized in Table 21, Table 22, and Table 23. All demands are metered within NCSD's service area.

Table 28. Per Capita Water Use

Description	Water Use, gal/capita/day	Compliance Year
Baseline Gross Water Use	240	10 year average (1996-2005)
Target Water Use (2020)	204	2020
Current Water Use (2010)	173.9	2010

Figure 15. Historical Per Capita Water Use



To achieve the gpcd needed by 2020, the District will continue to implement the measures outlined in Section 7.6. The District plans to introduce a new tiered rate structure, continue to implement new development standards, target reducing the consumption for high-use customers, and implement Best Management Practices (BMP) from the CUWCC.

AWWA Water Audit and Water Balance Worksheets (CUWCC BMP 1.3) Data Assumptions and Sources

Summary

To achieve compliance with the California Urban Water Conservation Council's (CUWCC's) Best Management Practices (BMPs), the American Water Works Association (AWWA) Water Audit and Water Balance software is required to be used at no less than annual intervals and submitted in the BMP 1.2 report form every reporting period. The AWWA software provides estimated volumes of apparent and real water loss and the cost impact of those losses on utility operations.

AWWA Software Overview

The AWWA Water Audit and Water Balance software consists of a Microsoft Excel workbook, which uses multiple worksheets. The "Instructions" worksheet and "Reporting Worksheet" are the only worksheets which require data entry. In the worksheets, white cells indicate cells that must be filled in and orange cells indicate values that are automatically calculated once the white cells are filled in. Some orange cells are calculated with the option of using a default percentage or an input value. For all of these calculated cells, the default percentage is used.

The "Reporting Worksheet" contains multiple items of information arranged in the following categories: Water Supplied; Authorized Consumption; Water Losses; System Data; Cost Data; and Performance Indicators. Descriptions of data sources and assumptions for each of these categories and subsequent items within each category are discussed below.

Water Supplied

All data in this section is from the Department of Water Resources Public Water System Statistics Report for 2010 (2010 DWR Report).

Authorized Consumption

- Billed metered data is from the 2010 DWR Report.
- Billed unmetered and unbilled metered data was provided by District Staff.
- Based on District Staff advisement, unbilled unmetered data is calculated assuming the default percentage of 1.25%.

Water Losses

- Based on District Staff advisement, unauthorized consumption data is calculated using the default percentage of .25%.

- Customer metering inaccuracies are assumed to be 1%. It is assumed that metering inaccuracies are low due to the District's meter repair and replacement policy.
- Systematic data handling errors are assumed to be 1 acre-foot per year (AFY). It is assumed that data handling errors are low due to the District's adequate billing system.
- Based on all of the above assumptions, the estimated Non-Revenue Water value of 73.56 AFY reflects the value of 74 AFY of Non-Revenue water shown in the 2010 Urban Water Management Plan (2010 UWMP) for 2010.

System Data

- All system data was provided by District Staff except for the number of active and inactive connections, which is from the 2010 UWMP.

Cost Data

- As recommended by District Staff, the total cost of operating water system value is estimated by assuming the same operating cost as presented in the 2010-2011 fiscal year NCSD Independent Auditor's Report and Financial Statements (Audit Report).
- The customer retail unit cost is estimated based on the following assumptions provided by District Staff:
    - The average customer uses 40 units of water every two months
    - 1 unit= 100 cubic feet
    - The average bill for the two-tiered rate structure is $96.44
        - Customer retail unit cost= $96.44/40 Hundred Cubic Feet= $2.41/ Hundred Cubic Feet
- The variable production cost is estimated by dividing the total costs of production by the total production. The total production costs are from the Audit Report. The total production value is from the 2010 DWR Report. The variable production cost estimate is broken down as follows:
    - ($369,512 for utilities expenses+$199,784 for Repair and Maintenance Expenses+ $444,996 for Other Supplies and Expenses)/2,366.54 AFY= $428.60/AFY

Performance Indicators

All performance indicators are automatically calculated by referencing other data in other areas of the Excel workbook. The water audit validity score is 84 out of 100. This score surpasses the CUWCC BMP requirement of achieving a 66 or higher.

AWWA WLCC Free Water Audit Software: Reporting Worksheet

WAS v4.2

Back to Instructions

Click to access definition

Water Audit Report for: Nipomo Community Services District
Reporting Year: 2010 (1/2010 - 12/2010)

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

WATER SUPPLIED		<< Enter grading in column 'E'		
Volume from own sources:	10	2,366.540	acre-ft/yr	
Master meter error adjustment (enter positive value):	n/a			acre-ft/yr
Water imported:	n/a	0.000	acre-ft/yr	
Water exported:	n/a	0.000	acre-ft/yr	
WATER SUPPLIED:		2,366.540	acre-ft/yr	

AUTHORIZED CONSUMPTION				Click here: for help using option buttons below
Billed metered:	10	2,292.980	acre-ft/yr	
Billed unmetered:	10	0.000	acre-ft/yr	
Unbilled metered:	10	1.300	acre-ft/yr	Pcnt: 1.25% Value:
Unbilled unmetered:		29.582	acre-ft/yr	
Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed				
AUTHORIZED CONSUMPTION:		2,323.862	acre-ft/yr	

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption)				
		42.678	acre-ft/yr	
Apparent Losses				Pcnt: Value:
Unauthorized consumption:		5.916	acre-ft/yr	0.25%
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed				
Customer metering inaccuracies:	5	23.175	acre-ft/yr	1.00%
Systematic data handling errors:	5	1.000	acre-ft/yr	
Apparent Losses:		30.091		

Choose this option to enter a percentage of billed metered consumption. This is NOT a default value

Real Losses (Current Annual Real Losses or CARL)			
Real Losses = Water Losses - Apparent Losses:		12.587	acre-ft/yr
WATER LOSSES:		42.678	acre-ft/yr

NON-REVENUE WATER			
NON-REVENUE WATER:		73.560	acre-ft/yr
= Total Water Loss + Unbilled Metered + Unbilled Unmetered			

SYSTEM DATA				
Length of mains:	10	90.0	miles	
Number of active AND inactive service connections:	10	4,148		
Connection density:		46	conn./mile main	
Average length of customer service line:	10	32.0	ft	(pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	10	75.0	psi	

COST DATA			
Total annual cost of operating water system:	10	$3,197,163	$/Year
Customer retail unit cost (applied to Apparent Losses):	6	$2.41	$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	7	$428.60	$/acre-ft

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	3.1%
Non-revenue water as percent by cost of operating system:	1.6%
Annual cost of Apparent Losses:	$31,589
Annual cost of Real Losses:	$5,395

Operational Efficiency Indicators

Apparent Losses per service connection per day:	6.48	gallons/connection/day
Real Losses per service connection per day*:	2.71	gallons/connection/day
Real Losses per length of main per day*:	N/A	
Real Losses per service connection per day per psi pressure:	0.04	gallons/connection/day/psi
Unavoidable Annual Real Losses (UARL):	109.02	acre-feet/year
From Above, Real Losses = Current Annual Real Losses (CARL):	12.59	acre-feet/year
Infrastructure Leakage Index (ILI) [CARL/UARL]:	0.12	

* only the most applicable of these two indicators will be calculated

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 84 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Customer metering inaccuracies
2: Customer retail unit cost (applied to Apparent Losses)
3: Unauthorized consumption

For more information, click here to see the Grading Matrix worksheet

TO: **Water Resources Advisory Committee**

FROM: **Courtney Howard, SLO County Water Resources Engineer**

DATE: **December 7, 2011**

SUBJECT: **Agenda Item #2: Integrated Regional Water Management (IRWM) Program Workshop**

Recommendations

1. Review IRWM Guidelines

   IRWM Plan Guidelines:
   http://www.water.ca.gov/irwm/guidelines.cfm

   IRWM Planning Grant Guidelines:
   http://www.water.ca.gov/irwm/docs/PlanningGrants/Drftl_Rnd2_PlPSP_101211.pdf

   IRWM Implementation Grant Guidelines:
   http://www.water.ca.gov/irwm/docs/Archives/Prop84/Guidelines_PSPs/Imp_PSP_Final_10_7_10_Public_Errata_Addendum.pdf

2. Review the San Luis Obispo County Region's IRWM Plan:
   http://www.slocountywater.org/site/Frequent%20Downloads/Integrated%20Regional%20Water%20Management%20Plan/July%202007%20Plan%20Update/index.htm

3. Review and support approach to developing a Planning Grant Application.

4. Review and support approach for updating the IRWM Plan.

5. Identify entities to assist in the update of the IRWM Plan and/or form subcommittees.

Discussion

The following is an outline of the workshop:

Introductions (10 min)

Public comment for those attending the Stormwater Grant Workshop at 10 a.m. (15 min)

IRWM Program Overview Presentation (15 min)
- What is IRWM?

- SLO County IRWM Program History
- Current Status and Future Efforts

Questions and Answers on Program Overview (10 min)

Recommendations

- Approach to Planning Grant Application with Discussion (60 min)
- Approach to Updating the Plan with Discussion (60 min)

IRWM Program Overview

The San Luis Obispo County Region (coterminous with the county line) was approved by the State Department of Water Resources in April of 2009 and is eligible to apply for IRWM grants. Part of the approval process was documenting our region's IRWM planning governance (in other words, operational or management) structure in a Memorandum of Understanding (MOU) to be signed by all participating entities. The participating entities are ideally all of the water resources stakeholders in the region. Three or more of these stakeholders needed to sign the MOU for our region's approval in order to demonstrate that our region formed a Regional Water Management Group (RWMG).

Since the District has acted as the lead agency for IRWM efforts and has an advisory body (the Water Resources Advisory Committee) that meets regularly and publicly, is made up of all the water resources stakeholders in the county, and reviews appropriate District actions and deliverables, the MOU signed by the RWMG reflects this governance structure. A copy of the MOU with a list of current signatories is attached. It should be noted that reconsideration of this governance structure is proposed as a task for updating our region's IRWM plan as discussed below.

Our region's IRWM Plan was last updated in 2007, and our region was recently awarded a $10.4M Proposition 84 Round 1 IRWM Program Implementation Grant for the Plan's top three projects that were also, considered together, competitive for the grant (ready to proceed, regional, multiple benefits – quality, supply and flood control): the Los Osos Wastewater Project, the Flood Control Zone 1/1A Waterway Management Program and the Nipomo Supplemental Water Project.

As a condition of the grant award, our region's IRWM Plan needs to be updated by the end of 2013. Pending guidelines for Round 2 Implementation Grants from the State, our region may need to show some level of progress on the update to be eligible for the next funding cycle anticipated in fall 2012. Grants to update the Plan are also available as discussed next.

Planning Grant Opportunity

An application is due in the early spring of 2012 for a grant to fund implementation of a work plan to update and improve our region's IRWM Plan

(the "project"). The application can include a request for a maximum of $1 M in grant funding, and a 25% funding match is required. The match can be satisfied with planning work that has already been completed or is currently being completed (for example, the county-wide master water plan effort).

The following is an excerpt from the guidelines for planning grant applications:

> "Eligible projects are planning actions related to development, updating, or improvement of an IRWM Plan or Plans. This may include focused, topic-specific planning efforts such as salt/nutrient management planning or enhanced integration of flood management issues into an IRWM Plan. Applicants must make it apparent within the Work Plan that the end result of the proposed work effort is an IRWM Plan that meets all the standards as detailed in Section IV and Appendix C of the Guidelines. Therefore, applicants must demonstrate, in the Proposal, a specific section or sections of the Work Plan that support(s) the completion of a standards compliant IRWM Plan as a product."

The District will be committed to updating the IRWM Plan to current guidelines within two years of executing an implementation grant agreement in early 2012. As such, staff recommends the District, with stakeholder review and input, take the lead on developing the work plan for updating the IRWM Plan to meet current guidelines. A draft outline of this work plan/approach is attached.

Staff recommends that any additions to the work plan to update and improve the IRWM Plan be developed by entities that are proponents of the effort. The additions would be subject to District and stakeholder review and approval to ensure that the planning grant application would remain competitive. Examples of additions to the work plan include analyses to better understand groundwater and/or watershed conditions (e.g. water quality or balance models, habitat studies, etc.), planning efforts to better define projects (e.g. feasibility studies) and planning efforts to improve future IRWM Plan updates (e.g. evaluation of other IRWM Plan governance/decision making models or approaches to analyzing information). The additions to the work plan must include tasks that demonstrate clearly how the effort will be integrated into the IRWM Plan and improve compliance with IRWM Plan guidelines (see quotation from IRWM guidelines above).

In order to develop and submit the Planning Grant Application in February 2012, the Planning Project Submittal Form must be submitted to the District by December 15, 2011 for stakeholder review and approval at the January 4, 2012 IRWM workshop.

The WRAC may wish to form a subcommittee to review the forms with District staff between December 15th and 30th.

Approach to Updating the Plan

The recommended approach to updating the Plan involves holding workshops and/or forming subcommittees to discuss meeting the IRWM Plan Standards. The short title of each is listed in the attached table. Staff suggests that these workshops/subcommittees be organized into four groups:

1. IRWM Plan Governance and Regional Water Management Group Memorandum of Understanding: this involves decision making, funding, updates, approvals, monitoring, etc. (Standards 1, 8, 9, 10, 11, 14, 15)
2. Selection of projects to include in the Plan and ranking methodology (Standards 5, 6, 7, 8, 9, 10, 11, 15)
3. Establishment of measureable objectives (Standards 3, 7, 8, 9, 15)
4. Review of approach to updating the Plan and District/consultant deliverables to meet all other standards, assuming, aside from climate change, collaboration needed amongst stakeholders to address these standards is minimal or already being done via 1 – 3. (Standards 2, 4, 12, 13, 16)

IRWM Plan Standards

1. **Governance**
2. **Region Description**
3. **Objectives**
4. **Resource Management Strategies (RMS)**
5. **Integration**
6. **Project Review Process**
7. **Impact and Benefit**
8. **Plan Performance and Monitoring**
9. **Data Management**
10. **Finance**
11. **Technical Analysis**
12. **Relation to Local Water Planning**
13. **Relation to Local Land Use Planning**
14. **Stakeholder Involvement**
15. **Coordination**
16. **Climate Change**

Staff proposes to hire one or more consultants to complete the tasks in the attached draft work plan/approach. Alternatively, staff encourages other entities to take the lead in completing certain tasks and authoring sections of the updated IRWM Plan if supported by all stakeholders.

Attachments:

San Luis Obispo County IRWM Program Memorandum of Understanding
Planning Project Submittal Form (Attached Separately)
Draft Outline of the Work Plan/Approach for the IRWM Plan Update

Attachment 1.D

San Luis Obispo County
Integrated Regional Water Management Plan
Memorandum of Mutual Understandings

1. PURPOSE

The purpose of this MEMORANDUM OF UNDERSTANDING (MOU) is to establish the mutual understandings between San Luis Obispo County Region partners with respect to their joint efforts towards developing an Integrated Regional Water Management Plan (IRWMP) for the San Luis Obispo County Region that will establish a unified vision of the relationships between individual goals of water quality improvement, ecosystem preservation, water supply protection, ground water management, and flood management.

2. DEFINITIONS

2.1 Integrated Regional Water Management Plan (IRWMP). A comprehensive plan for a defined geographic area, in this case the San Luis Obispo County Region, the specific development, content, and adoption of which shall satisfy requirements of California's IRWM Program and relevant codes. At a minimum, an IRWMP describes the major water-related objectives and conflicts within a region, considers a broad variety of water management strategies, identifies the appropriate mix of water demand and supply management alternatives, water quality protections, and environmental stewardship actions to provide long-term, reliable, and high-quality water supply and protect the environment, and identifies disadvantaged communities in the region and takes the water-related needs of those communities into consideration.

2.2 San Luis Obispo County Region (Region). The geographic area, which is coterminous with the San Luis Obispo County and the San Luis Obispo County Flood Control and Water Conservation District boundary, covered by the IRWMP.

2.3 Local Agency. Any city, county, city and county, special district, joint powers authority, or other political subdivision of the state, a public utility as defined in Section 216 of the Public Utilities Code, or a mutual water company as defined in Section 2725 of the Public Utilities Code.

2.4 Regional Water Management Group (RWMG). A group in which three or more local agencies, at least two of which have statutory authority over water supply or water management, as well as those other persons who may be necessary for the development and implementation of an IRWMP, participate by means of a joint powers agreement, memorandum of understanding, or other written agreement, as appropriate, that is approved by the governing bodies of those local agencies. The Region's RWMG Members are signatories to this MOU and may designate a representative to participate in RWMG activities.

2.5 Regional Projects or Programs. Projects or programs to be implemented by signatories of this MOU identified in an IRWMP that accomplish any of the following:

(a) Reduce water demand through agricultural and urban water use efficiency.
(b) Increase water supplies for any beneficial use through the use of any of the following, or other, means:
(1) Groundwater storage and conjunctive water management.
(2) Desalination.
(3) Precipitation enhancement.
(4) Water recycling.
(5) Regional and local surface storage.
(6) Water-use efficiency.
(7) Stormwater management.
(c) Improve operational efficiency and water supply reliability, including conveyance facilities, system reoperation, and water transfers.
(d) Improve water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff.
(e) Improve resource stewardship, including agricultural lands stewardship, ecosystem restoration, flood plain management, recharge area protection, urban land use management, groundwater management, water-dependent recreation, fishery restoration, including fish passage improvement, and watershed management.
(f) Improve flood management through structural and nonstructural means, or by any other means.

2.6 Local Projects or Programs. Cooperative agreements between specific RWMG members for implementation of specific projects or programs that are approved by the RWMG are included in the definition of Regional Projects or Programs.

2.6 Regional Reports or Studies. Reports or studies relating to any of the matters described in 3.5 (a) to (f), that are identified in the IRWMP.

2.7 Service Function. A water-related individual service function provided by an agency, i.e. water supply, water quality, wastewater, recycled water, water conservation, stormwater/flood control, watershed planning, and aquatic habitat protection and restoration.

2.8 Integration. Assembling into one document the water-related management strategies, projects and plans in the Region. The first phase would be to identify water management strategies for the region and the priority projects that demonstrate how these strategies work together to provide reliable water supply, protect or improve water quality, provide watershed protection and planning, and provide environmental restoration protection. Projects and plans would be categorized and opportunities to identify regional benefits of linkages between multiple water management strategies among projects and plans of separate service functions and to see where projects and plans of separate service functions may further

interrelate, e.g. wastewater treatment and water recycling or habitat restoration.

2.9 Water Resources Advisory Committee (WRAC). This is the committee comprised of water purveyor, resource conservation district, environmental and agricultural representatives that was originally established in the 1940's to advise the Board of Supervisors for the San Luis Obispo County Flood Control and Water Conservation District (District) on water resource issues. The WRAC meets monthly, with the exception of July and August, and is subject to the Brown Act. The members of the WRAC with the authority to enter into an MOU are the same agencies that would comprise a RWMG to support the region's IRWM planning efforts. Therefore, RWMG Members and other regional stakeholder groups participate in the IRWMP development process by way of presentations to the Water Resources Advisory Committee (WRAC).

3. GOALS OF THE IRWMP

The goals of the IRWMP are to without unfairly burdening communities, neighborhoods, or individuals:

3.1 Protect and improve water quality for beneficial uses consistent with regional interests and the Basin Plan in cooperation with local and state agencies and regional stakeholders.

3.2 Improve regional water supply reliability and security, reduce dependence on imported water, reduce water rights disputes and protect watershed communities from drought with a focus on interagency conjunctive use of regional water resources.

3.3 Protect, enhance and restore the region's natural resources including open spaces; fish, wildlife and migratory bird habitat; special status and native plants; wetlands; estuarine, marine, and coastal ecosystems; streams, lakes, and reservoirs; forests; and agricultural lands.

3.4 Monitor, protect, and improve the regions groundwater through a collaborative approach designed to reduce conflicts.

3.5 Develop, fund, and implement an integrated, watershed approach to flood management through a collaborative and community supported process.

4. IRWMP PROJECT PARTICIPANTS

Development and implementation of the Region's IRWMP is a collaborative effort undertaken by the RWMG. The RWMG is being led by the District, in partnership with other signatories to this MOU. The IRWMP will be developed in coordination with the WRAC. However, only regional projects and programs to be implemented by signatories to this MOU will be eligible for grant applications. The signatories entering into this MOU are specifying their shared intent to coordinate and collaborate on water management issues as expressed in Section 3. Goals of the IRWMP and in accordance with Section 5. Mutual Understandings. The

signatories anticipate the potential need for future agreements on specific projects or programs that may be considered for grant applications.

5. MUTUAL UNDERSTANDINGS

5.1 Need for the Region's IRWMP

5.1.1 To improve communication and cooperation between public and private agencies and minimize conflict-generated solutions.

5.1.2 To enhance our existing water management efforts by increasing stakeholder awareness of important issues, providing more opportunities for collaborative efforts and improving efficiencies in government and water management.

5.13 To qualify for state grants and other funding opportunities only available to those regions which have developed an IRWMP.

5.2 Subject matter scope of the IRWMP. The IRWMP focuses on water supply, water quality protection and improvement, ecosystem preservation and restoration, groundwater monitoring and management, and flood management as these are the most prevalent water resource issues facing the Region.

5.3 Geographical scope of the IRWMP. The Region for this memorandum is coterminous with the boundary of San Luis Obispo County. This is an appropriate geographic region for integrated regional water management planning because it encompasses all aspects of water management generally within the same physical, political, environmental, social, and economic boundaries.

The Salinas Valley Integrated Regional Water Management Plan region borders the Region to the north and the Santa Barbara County IRWMP region border the Region on the South. Coordination with agencies in Kern County developing an IRWMP region at the time of initial execution of this MOU will be important for identifying any water resources issues overlapping with the Region in the future.

Water resources issues that overlap with neighboring regional boundaries are either covered by existing cooperative water management plans (i.e. Nacitone Watershed Management Plan), adjudication (i.e. Santa Maria Groundwater Basin), and operational agreements (i.e. Nacimiento and Salinas Reservoirs), or there is no defining water resource management issue at this time (i.e. Kern County region boundary). All of these items are to be included in the Region's IRWM Plan consistent with the IRWMPs of neighboring regions. The RWMG will continue to coordinate with neighboring regions to address additional water resources issues in our respective IRWMPs.

5.4 Approach to developing and implementing the IRWMP

5.4.1 Signatories. Signatories to this MOU, including the District, that make up the RWMG are responsible for the development of the IRWMP.

5.4.2 Lead Agency. The District will act as the lead agency, ultimately responsible for the final production of the Region's IRWMP, presentations to stakeholders, submittal of IRWM grant applications,

execution of grant agreements with the State, and execution of agreements with RWMG members responsible for the implementation of projects that are awarded grants.

5.4.3 RWMG Member Responsibilities. All members, in a timely fashion, will provide information sufficient to meet State guidelines for their regional projects and programs to be included in the IRWMP and participate in the review of the IRWMP. All Members will participate in the process to select IRWMP regional projects and programs for grant applications. Members responsible for the implementation of regional projects and programs awarded grant funding will be responsible, through contract with the District, for complying with the provisions of the District's grant agreement with the State. Members will provide the District with their designated representative's contact information. Members will adopt the IRWMP in accordance with 5.5 and 5.6 below.

5.4.4 Stakeholder Participation. RWMG Members and other regional stakeholder groups participate in the IRWMP development process by way of presentations to the Water Resources Advisory Committee (WRAC). Stakeholders that are not WRAC members will be notified of when an IRWMP item will be reviewed by the WRAC. Sub-regional meetings may be required to ensure all stakeholders, including disadvantaged communities, who may not necessarily be able to attend WRAC meetings, can participate in IRWMP development.

5.4.5 IRWMP Development and Implementation. The Region's IRWMP that was adopted by the District, developed in coordination with and approved by stakeholders in 2005, and updated in 2007, will be the basis for the next and subsequent adopted IRWMPs for the Region. The RWMG will propose changes to the previous versions of the IRWMP to comply with new State guidelines and incorporate new information and projects, for review and approval in accordance with 5.5 and 5.6 below. Since a key element of the IRWM Program is integration, the RWMG will work with other WRAC Members to identify water management strategies for the region and the priority projects that demonstrate how these strategies work together to protect and improve water quality; improve regional water supply reliability and security; protect, enhance and restore the region's natural resources; monitor, protect, and improve the region's groundwater; and develop, fund, and implement an integrated, watershed approach to flood management. Regional projects and programs would be categorized and opportunities to identify regional benefits of linkages between multiple water management strategies among projects and programs of separate service functions and to see where projects and programs of separate service functions may further interrelate, e.g. wastewater treatment and water recycling or habitat restoration.

5.5 Decision-making. The WRAC will serve as the main advisor to the RWMG on decisions to be made on the IRWMP. Written consensus will be sought between the representatives of RWMG members in the event the need for a decision arises that cannot be brought forth to the WRAC before a decision needs to be made.

5.6 Adoption of the IRWMP. IRWMP approval and adoption will occur by the governing bodies of RWMG Members. IRWMP updates to meet new State guidelines, add new RWMG Members, add or remove regional projects and programs, or other updates to information do not require IRWMP re-adoption. Significant changes to the IRWMP, including revised goals and objectives, revised regional boundaries, or other changes deemed significant by the RWMG, will require re-adoption of the IRWMP.

5.7 Non-binding nature. This document and participation in this IRWMP effort are nonbinding, and in no way suggest that a RWMG Member may not continue its own planning and undertake efforts to secure project funding from any source. An agency may withdraw from participation at any time.

5.8 Personnel and financial resources. It is expected that RWMG members will contribute the resources necessary to fulfill the responsibilities in 5.4.3 above.

5.9 Other on-going regional efforts. Development of the IRWMP is separate from efforts of other organizations to develop water-related plans on a regional basis. As the IRWMP is developed, work products can be shared with these separate efforts to provide them with current information. Cooperative agreements between specific RWMG members for implementation of specific projects or programs are included as attachments to this MOU.

5.10 Reports and communications. The WRAC, an IRWM contact list and the District's website will serve as the forum for updates and correspondence relating to the development of the IRWMP.

5.11 Termination. Because the IRWMP will require periodic review and updating for use into the future, it is envisioned that the joint efforts of those involved will be ongoing in maintaining a living document. Thus this MOU will remain as a reflection of the understandings of the RWMG Members. As indicated, individual signatories of this MOU may terminate their involvement at any time.

6. SIGNATORIES TO THE MEMORANDUM OF MUTUAL UNDERSTANDINGS

We, the undersigned representatives of our respective agencies, acknowledge the above as our understanding of how the San Luis Integrated Regional Water Management Plan will be developed.

Attachment 1.D

COUNTY OF SAN LUIS OBISPO
FLOOD CONTROL AND
WATER CONSERVATION DISTRICT

By: BRUCE S. GIBSON
Chairman,
Board of San Luis Obispo County
Flood Control and
Water Conservation District

ATTEST:

JULIE L. RODEWALD
Clerk of the Board of Supervisors By: Deputy Clerk

APPROVED AS TO FORM AND LEGAL EFFECT:

WARREN R. JENSEN
County Counsel

By:
Deputy County Counsel

Dated: 4/10/09

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San Luis Obispo County Region
Integrated Regional Water Managment Program
Regional Water Management Group

Memorandum of Understanding Signatories

Agency or Group	MOU Date
Coastal San Luis Resource Conservation District	7/17/2009
San Luis Obispo County	4/21/2009
San Luis Obispo County Flood Control and Water Conservation District	4/21/2009
Los Osos CSD	4/20/2009
Morro Bay	10/1/2009
Morro Bay National Estuary Program	12/2/2009
Nipomo CSD	4/9/2009
Oceano CSD	5/27/2009
City of San Luis Obispo	8/18/2009
San Simeon CSD	6/10/2009
Upper Salinas - Las Tablas Resource Conservation District	5/28/2009

December 7, 2010

Approach to Updating the 2007 SLO County Region IRWM Plan
DRAFT

IRWM Plan Standards	
1. Governance	9. Data Management
2. Region Description	10. Finance
3. Objectives	11. Technical Analysis
4. Resource Management Strategies (RMS)	12. Relation to Local Water Planning
5. Integration	13. Relation to Local Land Use Planning
6. Project Review Process	14. Stakeholder Involvement
7. Impact and Benefit	15. Coordination
8. Plan Performance and Monitoring	16. Climate Change

1. Governance (also see standards 8, 9, 10, 11, 14, 15)

Form subcommittee to review the current governance structure and recommend changes to facilitate improved IRWM planning and meet current guidelines for discussion and approval at a workshop. Identify resource to author applicable sections of the IRWM Plan.

The chosen form of governance must address and ensure the following:

- Public outreach and involvement processes
- Effective decision making
- Balanced access and opportunity for participation in the IRWM process
- Effective communication – both internal and external to the IRWM region
- Long term implementation of the IRWM Plan, including financing
- Coordination with neighboring IRWM efforts and State and federal agencies
- The collaborative process(es) used to establish plan objectives and project selection and ranking criteria/method
- How interim changes and formal changes to the IRWM Plan will be performed
- Updating or amending the IRWM Plan

2. Region Description

Identify resource to author applicable sections of the IRWM Plan. After reviewing the approach with stakeholders, that resource will utilize the 2011

Master Water Plan to update information in the 2007 IRWM Plan, and coordinate with entities familiar with water quality, flood management and ecosystems to update relevant sections of the 2007 IRWM Plan.

3. Objectives (also see standards 7, 8, 9, 15)

Form subcommittee to develop and recommend measurable objectives that meet current guidelines for discussion and approval at a workshop. Identify resource to author applicable sections of the IRWM Plan.

4. Resource Management Strategies (RMS)

Identify resource to author applicable sections of the IRWM Plan. After reviewing the approach with stakeholders, that resource will utilize the 2011 Master Water Plan and the CA Water Plan to update information in the 2007 IRWM Plan, and coordinate with entities familiar with water quality, flood management and ecosystems to update relevant sections of the 2007 IRWM Plan.

5. Integration (also see standards 6, 7, 8, 9, 10, 11, 15)

Identify resource to author applicable sections of the IRWM Plan. It is anticipated integration discussions will be weaved into project identification and ranking sections and coordination with project proponents will be necessary to identify opportunities for integrating multiple benefits or combining efforts. Consequently, the author should be involved with the effort described for standard 6.

6. Project Review Process (also see standards 5, 7, 8, 9, 10, 11, 15)

Form subcommittee to develop and recommend process and criteria for submitting, accepting, evaluating and ranking projects for and within the IRWM Plan that meets current guidelines for discussion and approval at a workshop. The subcommittee should consider the other noted standards in the development of the process and criteria. Identify resource to author applicable sections of the IRWM Plan.

7. Impact and Benefit

Identify resource to author applicable sections of the IRWM Plan. It is anticipated impact and benefit discussions will be weaved into relevant project identification, ranking and objectives sections. Coordination with project proponents will be necessary to identify and agree upon identified impacts and benefits (i.e. adequate justification will be needed) and how they relate to Plan objectives. Consequently, the author should be involved with the effort described for standards 3 and 6.

8. Plan Performance and Monitoring

Identify resource to author applicable sections of the IRWM Plan. It is anticipated Plan Performance and Monitoring discussions will be weaved into or reference relevant governance, project identification, ranking and objectives sections. An understanding of who will lead the effort to evaluate whether the region is meeting Plan objectives over time and how coordination with project proponents will happen to obtain updates on projects to meet objectives will be necessary. Consequently, the author should be involved with the effort described for standards 1, 3 and 6.

9. Data Management

Identify resource to author applicable sections of the IRWM Plan. It is anticipated that data management discussions will be weaved into or reference relevant governance, project identification, ranking and objectives sections. An understanding of who will lead the effort to collect and maintain the data necessary for evaluating whether the region is meeting Plan objectives over time and how coordination with project proponents will happen to obtain updates on projects to meet objectives will be necessary. Consequently, the author should be involved with the effort described for standards 1, 3 and 6.

10. Finance

Identify resource to author applicable sections of the IRWM Plan. It is anticipated that financial discussions will be integrated into appropriate sections, including governance, plan performance and monitoring, and data management discussions (Plan administration financing) and project discussions (project financing).

11. Technical Analysis

Identify resource to author applicable sections of the IRWM Plan. It is anticipated that technical analysis discussions will be integrated into appropriate sections, including region discussions (analysis used to determine water resources needs) and project discussions (analysis used to determine the best projects to address those needs).

12. Relation to Local Water Planning
13. Relation to Local Land Use Planning
14. Stakeholder Involvement
15. Coordination

Identify resource to author applicable sections of the IRWM Plan, coordinate with appropriate entities and understand the outcome of efforts associated with addressing standards 1, 3 and 6.

16. Climate Change

Identify a resource to review the region description and projects and provide appropriate discussions in the Plan on how water resources needs may be different due to climate change and how planning efforts and projects would need to change to address those needs, in accordance with the standard.

Opportunity	The California Department of Water Resources (DWR) has initiated the second round of funding from the Proposition 84 Integrated Regional Water Management (IRWM) Planning program. DWR released the Draft Proposal Solicitation Package (PSP) in October 2011. It is anticipated that the final PSP will be released in November 2011 with planning grant applications due in February 2012.
Need	The San Luis Obispo County IRWM planning region has not requested or received funding from the Proposition 84 IRWM Planning program and is, therefore, eligible to apply for the maximum $1 million grant. To fully understand the planning needs for the San Luis Obispo County region, a planning needs solicitation process will be implemented. **Agencies and stakeholders in the region will be asked to submit information on their planning needs so that the decision can be made as to the need or desire to pursue a planning grant in this second round.**
Approach	Development and implementation of the San Luis Obispo Region's IRWMP is a collaborative effort undertaken by the San Luis Obispo Regional Water Management Group (RWMG). The San Luis Obispo County Flood Control and Water Conservation District (District) has the lead role in facilitating the process for the RWMG. The District will lead the planning needs solicitation effort and facilitate the discussions and negotiations regarding the prioritization for the planning needs of the region. Additionally, the District will lead the effort to reach out to the Disadvantaged and Tribal Communities in the region to ensure their planning needs are identified and considered in the IRWM planning solicitation. Following the planning needs prioritization, the District may defer to another agency to lead certain components of the planning grant application effort dependent upon the studies requesting funding from the grant program. ***Planning Solicitation Forms are due to the District by December 15, 2011 and should be submitted to:*** ***Courtney Howard*** ***San Luis Obispo County Flood Control and Water Conservation District*** ***County Government Center, Room 207*** ***San Luis Obispo, CA 93408*** ***Phone No. 805.781.1016*** ***Fax No. 805.788.2182*** ***E-Mail choward@co.slo.ca.us*** **www.slocountywater.org**

San Luis Obispo County IRWM Planning History

In November 2002, California voters passed Proposition 50 Water Security, Clean Drinking Water, Coastal and Beach Protection Act. The intent of the Act was to develop the Integrated Regional Water Management Program that encourages integrated regional strategies for management of water resources and to provide funding, through competitive grants, for projects that protect communities from drought, protect and improve water quality, and improve local water security by reducing dependence on imported water. The proposition included $500 million for IRWM planning and implementation projects.

In 2004, the County of San Luis Obispo's Public Works Department (District) took the lead in initiating the IRWM Plan development. The Plan presented a comprehensive water resource management approach focused on sustaining the region's water resources to meet current and future needs. It was built on the existing foundation of inter-agency cooperation and developed in compliance with the Proposition 50 IRWM planning guidelines.

The vision of the San Luis IRWM Plan was to enhance regional cooperation promoting sustainable water resource management while balancing economic, environmental and cultural values, and property rights; recognizing the role of regulatory agencies and the autonomy of individual jurisdictions. The first version of the San Luis Obispo IRWMP was adopted in December 2005. That plan was updated, enhanced and readopted in July 2007.

In November 2006, California voters approved Proposition 84 which included additional requirements for IRWM planning documents and $52 million for the Central Coast funding area for planning and implementation grants.

Although eligible, the San Luis Region opted not to apply for the first round of planning funds that were available in 2010 so that the region's focus could be on the implementation funding opportunity. The District, on behalf of the San Luis Obispo IRWM region, submitted an implementation grant application in January 2011. The Region was awarded $10.4 million.

San Luis Obispo County IRWM Plan Update Requirements

As a requirement of the implementation grant award, the Region is required to update the IRWM Plan within two years of grant contracting. To support that plan update, the District is considering applying for a planning grant of up to $1 million. In addition to updating or improving the IRWM Plan sections as required by the revised guidelines, the application may seek funding for focused, topic-specific planning efforts such as salt and nutrient management planning or enhanced integration of flood management issues into an IRWM Plan.

To ensure the IRWM Plan is as complete as possible, the District is asking regional agencies and stakeholders to submit the attached planning solicitation form describing their water resources related planning needs. The planning effort must be sponsored by a partner agency in order to be considered in the San Luis Obispo IRWM Plan. A partner agency is defined as a public agency with elected or publicly appointed governing Boards that receive taxpayer support either through taxes, user charges, or fees and have the authority, obligation and responsibility to carry out water resources management. Any project proponent may submit a planning effort using this form; however, the proponent must have formal concurrence with a sponsoring partner agency prior to submission.

All planning projects submitted through this solicitation will be entered into a matrix that will evaluate each project against the San Luis Obispo County IRWMP objectives (page 4) and the DWR IRWM Program Preferences (page 4). The goal is to evaluate and prioritize planning needs for the Region and develop a recommendation for submittal of a planning grant application. The planning solicitation forms are due by December 15, 2011. The District, in cooperation with the Water Resources Advisory Committee (WRAC), will review the submittals and develop a recommendation by December 30, 2011. The recommendation will be presented at the WRAC meeting on January 4, 2012 to allow adequate time for preparation of the planning grant application, if that is the proposed approach.

If your agency or organization is <u>not</u> interested in participating in a planning grant application, the District is asking that the form be completed with information about current or proposed planning activities that can be used to update or improve the IRWM Plan for the San Luis Obispo County region. Your participation in the San Luis Obispo County IRWM planning process is greatly appreciated and critical to its success.

PLANNING SOLICITATION FORM

PROJECT TITLE:
Insert a descriptive title of the planning study.

PROJECT PROPONENT:
Identify the primary project sponsor agency or organization.

PROPONENT TYPE:
Check the relevant box.

	Public Agency		Private Business/Citizen
	Privately Owned Water Utility		Non-profit Organization
	Private Entity		Other

PROJECT CONTACT:
Primary project contact information.

Name:
Title:
Organization:
Phone:
E-mail:
Mailing Address:

SPONSORING AGENCY CONTACT:
A sponsoring agency is a Partner Agency that will be the main point of contact for the project. If the project eventually is part of a grant proposal, the sponsoring agency will act as the fiscal sponsor and administrative lead for the project.

Name:
Organization:

FUNCTIONAL AREA:
Check all applicable boxes. If multiple functional areas, identify the primary.

	Water Supply		Water Quality
	Watershed and Resources Stewardship		Flood and Stormwater

SUMMARY DESCRIPTION:
Provide a brief summary of the project.

LOCATION:
Identify the study area.

ELIGIBLE STUDY TYPES
Check all applicable boxes.

	Water Supply		Flood or Storm water management
	Operational Efficiency and Transfers		Resource Stewardships
	Conservation and Demand Reduction		Groundwater
	Water Quality		Watershed and Habitat
	Water Recycling and Treatment		Other

IRWM PROGRAM PREFERENCES:
The specific statewide priorities for the IRWM Program are presented below. Please check all that apply to the study.

	Include regional project or program.
	Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality Control Board (RWQCB) region or subdivision; or other region or sub-region specifically identified by DWR.
	Effectively resolve significant water-related conflicts within or between regions.
	Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program.
	Address critical water supply or water quality needs of disadvantaged communities within the region.
	Effectively integrate water management with land use planning.
	For eligible SWFM funding, projects which: a) are not receiving State funding for flood control or flood prevention projects pursuant to PRC §5096.824 or §75034 or b) provide multiple benefits, including, but not limited to, water quality improvements, ecosystem benefits, reduction of instream erosion and sedimentation, and groundwater recharge.
	Address Statewide priorities: • Drought Preparedness • Use and Reuse Water More Efficiently • Climate Change Response Actions • Expand Environmental Stewardship • Practice Integrated Flood Management • Protect Surface Water and Groundwater Quality • Improve Tribal Water and Natural Resources • Ensure Equitable Distribution of Benefits

SAN LUIS OBISPO COUNTY IRWM OBJECTIVES:

The specific objectives for the San Luis Obispo County IRWM Plan are presented below. Please check all that apply to the study.

Water Supply Goal: Improve regional water supply reliability and security, reduce dependence on imported water, reduce water rights disputes and protect watershed communities from drought with a focus on interagency conjunctive use of regional water resources without unfairly burdening communities, neighborhoods or individuals.	
	Implement inter-agency projects including emergency inter-ties between systems, jointly developed facilities, water exchanges, and other methods of enhancing reliability through cooperative efforts over the development of new supplies.
	Maximize water conservation for both M&I and agricultural uses.
	Expand desalination water opportunities by 2010.
	Expand reclaimed water use to make up 5% of total water use by 2010 and 10% of total water use by 2020.
Water Quality Goal: Protect and improve water quality for beneficial uses consistent with regional interests and the Basin Plan in cooperation with local and state agencies and regional stakeholders without unfairly burdening communities, neighborhoods or individuals.	
	Protect and improve source water quality.
	Meet all federal and state drinking water standards.
	Support the development and implementation of TMDLs.
	Implement NPDES Phase II Storm Water Management Programs.
	Implement the California NPS Plan and the RWQCB Conditional Agricultural Waiver Program for irrigated agriculture.
	Comply with new waste discharge requirements.
Ecosystem Preservation and Restoration Goal: Protect, enhance and restore the region's natural resources including open spaces; fish, wildlife and migratory bird habitat; special status and native plants; wetlands; estuarine, marine, and coastal ecosystems; streams, lakes, and reservoirs; forests; and agricultural lands without unfairly burdening communities, neighborhoods or individuals.	
	Purchase, preserve, enhance, and restore land in ecologically sensitive ecosystems.
	Manage public access to encourage public involvement and stewardship.
	Manage stream flows to fish bearing streams, support a region-wide fish passage barrier prevention and removal program, and implement fish friendly stream and river corridor restoration projects.
	Reduce the effects of invasive plant species, manage public properties to re-establish rare and special status native plant populations, and promote native drought tolerant plantings in municipal and residential landscaping.
	Implement tree protection and preservation programs, urban forest management, and wild lands fire management.
	Reuse reclaimed mine lands for beneficial purposes.
	Conserve natural resources.

Groundwater Monitoring and Management Goal: Monitor, protect, and improve the regions groundwater through a collaborative approach designed to reduce conflicts without unfairly burdening communities, neighborhoods or individuals.	
	Develop monitoring and reporting programs for groundwater basins in the region.
	Evaluate and consider Groundwater Banking Programs.
	Protect and improve groundwater quality from point and non-point source pollution, including nitrate contamination; MTBE and other industrial, agricultural, and commercial sources of contamination; naturally occurring mineralization, boron, radionuclide, geothermal contamination; and seawater intrusion and salts.
	Conduct public education and outreach about ground water protection.
	Identify areas of known or expected conflicts and target stakeholders on specific actions that they should take to help protect groundwater basin quality and supply.
	Recharge ground water with high quality water.
Flood Management Goal: Develop, fund, and implement an integrated, watershed approach to flood management through a collaborative and community supported process without unfairly burdening communities, neighborhoods or individuals.	
	Distinguish the root cause of flooding problems stemming from new development, existing development, and mandatory regulation.
	Integrate ecosystem enhancement, drainage control, and natural recharge into development projects.
	Develop financial programs for drainage and flood control projects.
	Evaluate and minimize the risk of dam and levee failures.
	Develop and implement public education, outreach, and advocacy.

DETAILED STUDY DESCRIPTION:

Describe the proposed study (what, when, where, why, how, who). Discuss the need(s) for the study and the issues or information gaps the study intends to address. Identify the major tasks/activities. Discuss the local and regional benefits and IRWM Plan sections that could be affected by the information developed in the study. Discuss how the study relates to local/regional planning efforts, if applicable.

STUDY COSTS AND FINANCING:

Study Cost:
Funding Status:
Source of Funding:

	Local Contribution:	$
	Federal Contribution:	$
	In-kind Contribution:	$
	Other:	$
	Not determined:	$

STUDY STATUS AND TIMELINE:

Briefly describe the project status, including the readiness to proceed with the study. Summarize the study duration and projected start date, if applicable.

INTEGRATION WITH THE SLO COUNTY REGION IRWM PLAN:

Briefly describe how the results of the project will be added to the IRWM Plan for the region, specifically which section(s) these results would enhance and how.

TO: WATER CONSERVATION COMMITTEE

FROM: MICHAEL S. LEBRUN MSL
GENERAL MANAGER

DATE: NOVEMBER 30, 2011

AGENDA ITEM 3
DECEMBER 2, 2011

REVIEW GARDEN SOFT TEST WEBSITE

ITEM

Review Garden Soft San Luis Obispo County-specific website development [RECOMMEND REVIEW AND DIRECT STAFF]

BACKGROUND

As a member of the county-wide Partners in Water Conservation, the District entered into an Agreement with Garden Soft to develop and launch a Waterwise Landscaping Website project. The website is in final stages of development and expected to go 'live' late this year or early 2012.

FISCAL IMPACT

District water conservation efforts are included in the 2011-2012 fiscal budget.

RECOMMENDATION

Staff recommends that your Committee review the materials provided and direct staff.

ATTACHMENTS

- Web site materials

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2011\COMMITTEES\WATER CONS\111202 GARDENSOFT WEB SITE . docx

This website sponsored by the following water purveyors. Click below for rebates, incentives, and information offered by your purveyor.

City of Arroyo Grande
Atascadero Mutual Water Company
City of Morro Bay
Nipomo Community Services District
City of Paso Robles
City of Pismo Beach
City of San Luis Obispo
County of San Luis Obispo
Templeton Com. Services District

Water Saving Tips:

Water-wise plants can be beautiful as well as practical.

Take your 'My List' Hydrozone Report to a landscape designer, or local nursery, when selecting and purchasing plants.

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Watering Schedule - Coastal Areas
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Irrigation Tips

Basic San Luis Obispo County Watering Information

What Time of Day Should I Water?

We recommend watering between 2 a.m. and 9 a.m. Watering within this window of time takes advantage of relatively low winds and less loss of water to evaporation.

How Long Should I Water?

In San Luis Obispo County, our soils vary from clayey to sandy in our beach communities. Running an irrigation system on a lawn for more than five minutes in clay soils will result in runoff. On sandy soils, longer run times are possible. Precise watering times vary depending on the type of watering device, soil, slope and plants. See the Watering Schedules (Coastal Areas, Coastal Valleys, or North County) for detailed information.

How Often Should I Water?

Water in the early morning hours between 2 a.m. and 9 a.m. as follows:

SUMMER NO MORE THAN 3 OR 4 TIMES PER WEEK	FALL NO MORE THAN 2 OR 3 TIMES PER WEEK
SPRING NO MORE THAN 2 OR 3 TIMES PER WEEK	WINTER OCCASIONAL, ONLY DURING EXTENDED PERIODS OF NO RAIN

Next - General Tips