

**Compilation of Goals and Recommendations through 3/26/13**

<b>GOALS</b>		
<p><b><i>DRAFT GOAL NO. 1, REDUCTION IN PER CAPITA WATER CONSUMPTION</i></b>  <i>Based on the average treated water consumption between 1995 and 2005 of 166 gallons per capita per day, reduce that 30% (to 116 gallons per capital per day) by 2025 and 40% (to 100 gallons per capita per day) by 2035, not including use of recycled water.</i></p>		
<p><b>GOAL NO. 2, REDUCTION IN TOTAL IMPORTED WATER</b>            Based on anticipated delivery of approximately 200,000 acre feet of imported water from the County Water Authority in 2015, reduce the volume of purchases of water originating outside the County 12% by 2025 and 35% by 2035.</p>		
<p><b>GOAL NO. 3, INCREASE IN TOTAL RECYCLED WATER</b>            Increase production of recycled water, from potable reuse and/or other sources, to 10% of total treated water delivered within the City by 2025 and 35% of total by 2035. Adjust these goals upward if potable reuse is increased at a greater rate than currently anticipated.</p>		
<p><b>GOAL NO. 4, RECYCLING STORM WATER</b>            Establish a program for treatment and recycling of storm water, based on a collaborative study between the Public Utilities Department and the Transportation &amp; Storm Water Department, with a goal of commencing implementation of such a program by 2020.</p>		
<p><b>ORIGINAL &amp; REVISED RECOMMENDATIONS</b></p>	<p><b>PERFORMANCE STANDARD</b></p>	<p><b>TIMING</b></p>
<p><b>CONSERVATION</b></p>		

<p><b>REVISED RECOMMENDATION NO. C1</b></p> <p>Modify Emergency Water Regulations as required to update and clarify text in the document <del>based on making, to make</del> the <del>former</del><u>current</u> Level 1 Drought Alert a permanent voluntary standard. <del>Examples of modifications may include, but are not limited to:</del></p> <p><del>Modify former</del><u>Examples of modifications may include, but are not limited to:</u></p> <ul style="list-style-type: none"> <li>• <u>Modifying the</u> Level 1 Drought Alert to a permanent voluntary standard.</li> <li>• <del>Modify</del><u>Modifying</u> the other stages of Drought Alert as required to clarify standards.</li> <li>• Clarify standards for non potable water use during Drought Alerts.</li> <li>• Include an Alternative Compliance application process for all drought alert levels for large water users such as parks, cemeteries, and golf courses.</li> </ul>	<p><u>City Council action</u></p>	<p><u>Immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO. C1:</b></p> <p>Modify Emergency Water Regulations as required to update and clarify text in the document based on making the former Level 1 Drought Alert a permanent voluntary standard. Examples of modifications may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Modify former Level 1 Drought Alert to a permanent voluntary standard.</li> <li>• Modify the other stages of Drought Alert as required to clarify standards.</li> <li>• Clarify standards for non potable water use during Drought Alerts.</li> <li>• Include an Alternative Compliance application process for all drought alert levels for large water users such as parks, cemeteries, and golf courses.</li> </ul>		
<p><b>REVISED RECOMMENDATION NO. C2:</b></p> <p>To strengthen the code and to encourage more water conserving landscapes in new construction, modify the <del>water conservation code</del><u>Water Conservation Code</u> requirement for new landscape construction as follows:</p> <p>a. Reduce the <del>Evapotranspiration factor</del><u>Evapotranspiration Factor</u> from <u>0.7</u> to <u>0.6</u>.</p> <p>b. <u>Modify the Plant Factors from “ranges” to specific numbers,</u> as follows:</p> <ul style="list-style-type: none"> <li>• <u>Very Low Water Use Plantings</u> <u>0.1</u>;</li> <li>• <u>Low Water Use Plantings</u> <u>0.3</u>;</li> <li>• <u>Moderate Water Use Plantings</u> <u>0.5</u>, and</li> <li>• <u>High Water Use Plantings</u> <u>0.8</u>.</li> </ul>	<p><u>City Council action</u></p>	<p><u>Immediately</u></p>

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<p>c. Special Use Landscape Areas including <del>Parksparks</del> and <del>Special Botanical</del><u>special botanical</u> areas should <del>remain</del><u>retain a</u> 1.0 ET adjustment factor.</p>		
<p><b>ORIGINAL RECOMMENDATION NO. C2:</b> To strengthen the code and to encourage more water conserving landscapes in new construction, modify the water conservation code requirement for new landscape construction as follows:</p> <p>a. Reduce the Evapotranspiration factor from .7 to .6. b. Modify the Plant Factors from “ranges” to specific numbers as follows: Very Low Water Use Plantings .1, Low Water Use Plantings .3, Moderate Water Use Plantings .5, and High Water Use Plantings .8. c. Special Use Landscape Areas including Parks and Special Botanical areas should remain 1.0 ET adjustment factor.</p>		
<p><b>REVISED RECOMMENDATION NO. C3:</b> Implement a water budget based billing program for commercial landscape meters.</p>	<p><u>Departmental preparation of program, followed by City Council action</u></p>	<p><u>Commence immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO. C3:</b> Implement a water budget based billing program for commercial landscape meters.</p>		
<p><b>REVISED RECOMMENDATION NO. C4:</b> Implement <u>a</u> permanent and ongoing water conservation and outreach program. <del>We recommend that</del> City leaders, elected officials and others <u>should</u> take on the responsibility of helping to create a city-wide water conservation ethic. The City should substantially increase funding for public outreach and education on water conservation, beginning with the next municipal budget cycle, in order to promote conservation on an ongoing basis and not only during drought periods. This is a key factor in creating a citywide water conservation ethic.</p> <p>• <u>Request that Provide the City Council</u> Natural Resources and Culture Committee (NRCC) <u>to hear regular with quarterly</u> updates on conservation efforts and outcomes</p>	<p><u>City Council budget action</u> <u>Departmental research and reporting</u></p>	<p><u>Next city budget cycle</u> <u>Immediately and ongoing</u></p>

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<p><del>quarterly</del>, much like the status reports regarding <del>the</del>-water recycling efforts and <del>Indirect Potable Reuse</del><u>the Water Purification</u> project.</p> <ul style="list-style-type: none"> <li>• <del>City to conduct a case study examining</del><u>Examine</u> the education and outreach tactics used in <u>countries such as</u> Australia to achieve their massive reduction in water use.</li> <li>• Coordinate regional water consumer education campaigns using the latest research from social psychology that shows what messaging is most effective in influencing thoughtful water use behavior. Water agencies can also work with the private sector to develop public-private partnerships that can help reduce consumer demand.</li> </ul>		
<p><b>ORIGINAL RECOMMENDATION NO. C4:</b></p> <p>Implement permanent and ongoing water conservation and outreach program. We recommend that City leaders, elected officials and others take on the responsibility of helping to create a city wide water conservation ethic. The City should substantially increase funding for public outreach and education on water conservation, beginning with the next municipal budget cycle, in order to promote conservation on an ongoing basis and not only during drought periods. This is a key factor in creating a citywide water conservation ethic.</p> <ul style="list-style-type: none"> <li>• Request that Natural Resources and Culture Committee (NRCC) to hear regular updates on conservation efforts and outcomes quarterly, much like the status reports regarding the water recycling efforts and Indirect Potable Reuse project.</li> <li>• City to conduct a case study examining the education and outreach tactics used in Australia to achieve their massive reduction in water use.</li> <li>• Coordinate regional water consumer education campaigns using the latest research from social psychology that shows what messaging is most effective in influencing thoughtful water use behavior. Water agencies can also work with the private sector to develop public-private partnerships that can help reduce consumer demand.</li> </ul>		
<p><b>REVISED RECOMMENDATION NO. C5:</b></p> <p><del>Voluntary Water Offset Program: Instruct staff to study and report back to the Task Force regarding the feasibility of a voluntary water offset program utilizing significant development incentives.</del></p>		

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<p><b>ORIGINAL RECOMMENDATION NO. C5:</b></p> <p>Voluntary Water Offset Program: Instruct staff to study and report back to the Task Force regarding the feasibility of a voluntary water offset program utilizing significant development incentives.</p>		
<p><b>REVISED RECOMMENDATION NO. C6:</b></p> <p><del>Labeling Programs:</del> In coordination with the San Diego County Water Authority, <del>consider</del><u>investigate</u> implementing an outreach and education program that concentrates on home improvement stores and nurseries in the region. Evaluate programs for labeling water conserving products, especially in the landscape industry, such as labeling drought tolerant plant materials.</p>	<p><u>Departmental research and coordination, and report</u></p> <p><u>City Council budget action</u></p>	<p><u>Commence immediately</u></p> <p><u>Next budget cycle</u></p>
<p><b>ORIGINAL RECOMMENDATION NO C6:</b></p> <p>Labeling Programs: In coordination with the San Diego County Water Authority, consider implementing an outreach and education program that concentrates on home improvement stores and nurseries in the region. Evaluate programs for labeling water conserving products, especially in the landscape industry, such as labeling drought tolerant plant materials.</p>		
<p><b>REVISED RECOMMENDATION NO C7:</b></p> <p><del>Landscape Conversion Programs:</del> Explore the possibility <del>to</del> of expanding “Cash for Grass” programs to effect real change in the landscape.</p>	<p><u>Departmental research and report</u></p> <p><u>Possible City Council budget action</u></p>	<p><u>Commence immediately</u></p> <p><u>Next budget cycle</u></p>
<p><b>ORIGINAL RECOMMENDATION NO C7:</b></p> <p>Landscape Conversion Programs: Explore the possibility to of expanding “Cash for Grass” programs to effect real change in the landscape.</p>		

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<p><b>REVISED RECOMMENDATION NO. C8:</b></p> <p><del>Rebate Programs: Explore the possibility to of</del><u>Investigate</u> expanding rebate programs for indoor or outdoor <u>water-conserving</u> fixtures and equipment that would be cost effective and successful.</p>	<p><u>Departmental research and report</u></p> <p><u>Possible City Council budget action</u></p>	<p><u>Commence immediately</u></p> <p><u>Next budget cycle</u></p>
<p><b>ORIGINAL RECOMMENDATION NO C8:</b></p> <p>Rebate Programs: Explore the possibility to of expanding rebate programs for indoor or outdoor fixtures and equipment that would be cost effective and successful.</p>		
<p><b>REVISED RECOMMENDATION NO. C9:</b></p> <p>Expand the program for conversion of landscaping to drought-tolerant planting, to include an annual minimum of 1,000 residential lots and 200 commercial sites, based on availability of a rebate of up to \$3,000 per single-family residential lot and up to \$9,000 per commercial site.</p>	<p><u>City Council budget action</u></p>	<p><u>Next budget cycle</u></p>
<p><b>ORIGINAL RECOMMENDATION NO C9:</b></p> <p>Expand the program for conversion of landscaping to drought-tolerant planting, to include an annual minimum of 1,000 residential lots and 200 commercial sites, based on availability of a rebate of up to \$3,000 per single-family residential lot and up to \$9,000 per commercial site.</p>		
<p><b>WATER RECYCLING AND REUSE</b></p>		
<p><b>Stormwater</b></p>		
<p><b>REVISED RECOMMENDATION NO WR1:</b></p> <p><u>Direct the Transportation and</u> Stormwater Department and <u>the</u> Public Utilities <u>Department</u> to investigate opportunities for strategic infiltration of stormwater in areas</p>	<p><u>City Council action, followed by</u></p>	<p><u>Immediately</u></p>

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<p>where stormwater could replenish existing groundwater basins.- This provides multiple benefits.</p> <ol style="list-style-type: none"> <li>Infiltration may be the most cost-effective manner to address more stringent bacteria <del>TMDLs</del>TMDL's.</li> <li>Stormwater infiltration could increase the yield of existing groundwater basins and reduce salinity.</li> <li>Stormwater infiltration would benefit the environment by reducing run-off.</li> </ol>	<p><u>departmental research and report</u></p>	
<p><b>ORIGINAL RECOMMENDATION NO WR1:</b></p> <p>Stormwater Department and Public Utilities to investigate opportunities for strategic infiltration of stormwater in areas where stormwater could replenish existing groundwater basins. This provides multiple benefits.</p> <ol style="list-style-type: none"> <li>Infiltration may be the most cost-effective manner to address more stringent bacteria TMDLs.</li> <li>Stormwater infiltration could increase the yield of existing groundwater basins and reduce salinity.</li> <li>Stormwater infiltration would benefit the environment by reducing run-off.</li> </ol>		
<p><b>REVISED RECOMMENDATION NO WR2:</b></p> <p><u>Direct the</u> Public Utilities <u>Department</u> to increase the focus on characterizing groundwater basins such as the San Pasqual Basin, San Diego Formation and San Diego River System that could be potential local water supplies</p>	<p><u>City Council action, followed by departmental research and report</u></p>	<p><u>Commence immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO. WR2:</b></p> <p>Public Utilities to increase the focus on characterizing groundwater basins such as the San Pasqual Basin, San Diego Formation and San Diego River System that could be potential local water supplies</p>		
<p><b>REVISED RECOMMENDATION NO. WR3:</b></p> <p><u>Direct the Transportation and</u> Stormwater Department and <u>the</u> Public Utilities</p>	<p><u>City Council action,</u></p>	<p><u>Commence</u></p>

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<p>Department <del>jointly work together to investigate</del><u>cooperate in investigating</u> potential grant funding for a feasibility and pilot study. <del>One possibility is to develop,</del> <u>such as</u> a multi-beneficial joint project that can be included in the Integrated Regional Water Management Plan for possible Department of Water Resources funding.</p>	<p><u>followed by departmental research and report</u></p>	<p><u>immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO 3:</b> Stormwater Department and Public Utilities Department jointly work together to investigate potential grant funding for a feasibility and pilot study. One possibility is to develop a multi-beneficial joint project that can be included in the Integrated Regional Water Management Plan for possible Department of Water Resources funding.</p>		
<p><b>REVISED RECOMMENDATION NO WR4:</b> Explore opportunities to develop a low impact development (LID) “Demonstration Project” in an area with high public traffic and access, such as Balboa Park, that would reduce run-off and also serve to educate the public. Alternatively, <del>the City could</del> pursue a “green streets” project, like the one in Los Angeles, which produces multiple benefits and serves as a demonstration site as well.</p>	<p><u>Departmental research and report</u></p>	<p><u>Commence immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO. WR4:</b> Explore opportunities to develop a low impact development (LID) “Demonstration Project” in an area with high public traffic and access, such as Balboa Park, that would reduce run-off and also serve to educate the public. Alternatively, the City could pursue a “green streets” project, like the one in Los Angeles which produces multiple benefits and serves as demonstration site as well.</p>		
<p><b>REVISED RECOMMENDATION NO WR5:</b> <del>The Direct the Transportation and</del> Stormwater Department <del>should</del><u>to</u> develop a new program that achieves <del>two</del><u>the following</u> goals:  a. <del>Fund</del><u>Funding</u> City-wide stormwater management programs to meet existing and new <u>RWQCB</u><u>Regional Water Quality Control Board</u> requirements through the use of a new fee-based program that can be directly correlated to Equivalent Stormwater Units <del>that can be</del> assigned to each individual property.  b. <del>Provide</del><u>Providing</u> incentives, such as a fee reduction, to property <del>owner</del><u>s</u> owners of new and existing development to maximize the use of low</p>	<p><u>City Council action, followed by departmental research and report</u></p>	<p><u>Commence immediately</u></p>

<p>impact development methodologies such as pervious pavement, grass rooftops, <u>and</u> rain gardens, <del>ete</del> to minimize stormwater run-off.</p>		
<p><b>ORIGINAL RECOMMENDATION NO. WR5:</b>  The Stormwater Department should develop a new program that achieves two goals.  a. Fund City-wide stormwater management programs to meet existing and new RWQCB requirements through the use of a new fee based program that can be directly correlated to Equivalent Stormwater Units that can be assigned to each individual property.  b. Provide incentives, such as a fee reduction, to property owner’s of new and existing development to maximize the use of low impact development methodologies such as pervious pavement, grass rooftops, rain gardens, etc. to minimize stormwater run-off.</p>		
<p><b>Non-Potable Reuse</b></p>		
<p><b>REVISED RECOMMENDATION NO. WR6:</b>  Encourage “cost-effective” expansion of non-potable reuse by in-fill within the backbone of the existing system only. (“Cost effective” meaning the City can recover the cost of service.) <del>The City should revisit the rate structure for non-potable recycled water users upon completion of the Recycled Pricing Study in 2013.</del></p>	<p><u>Departmental research and planning, followed by City Council action</u></p>	<p><u>Commence immediately</u></p>
<p><b>ORIGINAL RECOMMENDATION NO. WR6:</b>  Encourage “cost-effective” expansion of non-potable reuse by in-fill within the backbone of the existing system only. (“Cost effective” meaning the City can recover the cost of service.) The City should revisit the rate structure for non-potable recycled water users upon completion of the Recycled Pricing Study in 2013.</p>		
<p><b>REVISED RECOMMENDATION NP. WR7:</b>  <del>Existing</del>Since existing recycled water rates were set at a discounted rate in 2001 and no provision was made for increasing them—<del>No, and no</del> adjustment to the discounted rate has been made since 2001.—<del>The City should,</del> revisit the rate structure for new users of non-potable recycled water and adjust <u>the rate</u> to recover <u>the</u> cost of service or at least</p>	<p><u>Departmental research and planning, followed by City Council</u></p>	<p><u>Commence immediately</u></p>

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<p>index <del>them</del> rates to keep up with increases in other water rates. <del>The City should revisit</del> <u>Revisit</u> the rate structure for non-potable recycled water users upon the completion of the Recycled Pricing Study in 2013.</p>	<p><u>action</u></p>	
<p>ORIGINAL RECOMMENDATION NO. WR7: Existing recycled water rates were set at a discounted rate in 2001 and no provision was made for increasing them. No adjustment to the discounted rate has been made since 2001. The City should revisit the rate structure for new users of non-potable recycled water and adjust to recover cost of service or at least index them to keep up with increases in other water rates. The City should revisit the rate structure for non-potable recycled water users upon the completion of the Recycled Pricing Study in 2013.</p>		
<p><b>Potable Reuse</b></p>		
<p>REVISED RECOMMENDATION NO. WR8: <del>The City should move</del> <u>Move</u> forward with recommended next steps in <u>staff presentation</u> on the <del>2012 Recycled Water Study</del> <u>Purification Demonstration Project Report</u>.</p>	<p><u>City Council action, followed by departmental implementation</u></p>	<p><u>Immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. WR8: The City should move forward with recommended next steps in the 2012 Recycled Water Study.</p>		
<p>REVISED RECOMMENDATION NO. WR9: <del>The City should discuss</del> <u>Discuss</u> with the County Water Authority its participation in Phase 2 and Phase 3 of <u>the</u> Water Purification Project as part of a potential future regional water supply. <del>The, as the</del> advanced treated water from the Water Purification Project will be stored in San Vicente Reservoir, which can serve the region.</p>	<p><u>Departmental communications and report</u></p>	<p><u>Immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. WR9: The City should discuss with the County Water Authority its participation in Phase 2 and Phase 3 of Water Purification Project as part of a potential future regional water supply. The advanced treated water from the Water Purification Project will be stored</p>		

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in San Vicente Reservoir, which can serve the region.		
<p>REVISED RECOMMENDATION NO. WR10:</p> <p><del>The City should support</del><u>Support</u> legislation to streamline the regulatory process for indirect and direct potable reuse. <u>revisit the rate structure for non-potable recycled water users upon the completion of the Recycled Pricing Study in 2013.</u></p>	<u>City Council action</u>	<u>Immediately</u>
<p>ORIGINAL RECOMMENDATION NO. WR10:</p> <p>The City should support legislation to streamline the regulatory process for indirect and direct potable reuse.</p>		
<p>REVISED RECOMMENDATION NO. WR11:</p> <p><del>The City should become</del><u>Become</u> an active participant in the Coalition for <del>DPR</del><u>Direct Potable Reuse</u>.</p>	<u>City Council action</u>	<u>Immediately</u>
<p>ORIGINAL RECOMMENDATION NO. WR11:</p> <p>The City should become an active participant in the Coalition for DPR.</p>		
<p>REVISED RECOMMENDATION NO. WR12:</p> <p><del>The City offer</del><u>Offer</u> the Water Purification Demonstration Plant as a site for testing technologies and methodologies to demonstrate the ability to provide real-time monitoring and implement <del>fail-safe</del> process methodology for treating wastewater to potable water quality.</p>	<u>City Council action</u>	<u>As soon as feasible</u>
<p>ORIGINAL RECOMMENDATION NO. WR12:</p> <p>The City offer the Water Purification Demonstration Plant as a site for testing technologies and methodologies to demonstrate the ability to provide real-time monitoring and implement fail-safe process methodology for treating wastewater to potable water quality.</p>		
<b>Graywater</b>		
<p>REVISED RECOMMENDATION NO. WR13:</p> <p><del>Continue with</del><u>Maintain the current</u> “no permit” policy for Closed Clothes Washer</p>	<u>None</u>	

Systems-		
ORIGINAL RECOMMENDATION NO. WR13: Continue with “no permit” policy for Closed Clothes Washer Systems		
REVISED RECOMMENDATION NO. WR14: Expand the “no permit” requirement to systems used for landscape irrigation that discharge less than 250 gallons a day and <u>consist</u> primarily <del>consist</del> of systems taking discharge water from washing machines and wash basins and <del>does do</del> not include a potable water connection, the use of a pump, or affect other plumbing, electrical, mechanical or building components. Emphasize the use of Best Management Practices to prevent runoff.	<u>City Council action</u>	<u>Immediately</u>
ORIGINAL RECOMMENDATION NO. WR14: Expand the “no permit” requirement to systems used for landscape irrigation that discharge less than 250 gallons a day and primarily consist of systems taking discharge water from washing machines and wash basins and does not include a potable water connection, the use of a pump, or affect other plumbing, electrical, mechanical or building components. Emphasize the use of Best Management Practices to prevent runoff.		
REVISED RECOMMENDATION NO. WR15: Streamline the permitting process for “simple” and “complex systems” that take discharge water from other elements in a residence such as bathtubs and showers that would require more extensive in-house plumbing, electrical or mechanical modifications or use of a pump.	<u>Departmental preparation of program, followed by City Council action</u>	<u>Commence immediately</u>
ORIGINAL RECOMMENDATION NO. WR15: Streamline the permitting process for “simple” and “complex systems” that take discharge water from other elements in a residence such as bathtubs and showers that would require more extensive in-house plumbing, electrical or mechanical modifications or use of a pump.		

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<p>REVISED RECOMMENDATION NO. WR16:</p> <p><del>Direct the</del> Public Utilities Department, in consultation with <del>DSD, should the</del> <u>Development Services Department</u>, to develop and include information on simple graywater systems in their public outreach materials and social media outreach, <del>and emphasize the</del><u>including emphasis on</u> use of Best Management Practices to prevent runoff.</p>	<p><u>City Council action,</u> <u>followed by</u> <u>departmental</u> <u>implementation</u></p>	<p><u>Immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. WR16:</p> <p>Public Utilities Department, in consultation with DSD, should develop and include information on simple graywater systems in their public outreach materials and social media outreach, and emphasize the use of Best Management Practices to prevent runoff.</p>		
<p>REVISED RECOMMENDATION NO. WR17:</p> <p><del>Oversight</del><u>Continue oversight</u> of "complex systems" <del>should continue to</del> in the purview of the Development Services Department in order to ensure that <del>plumbing</del><u>Plumbing</u> and <del>building code</del><u>Building Code</u> requirements are met.</p>	<p><u>None</u></p>	
<p>ORIGINAL RECOMMENDATION NO. WR17:</p> <p>Oversight of "complex systems" should continue to in the purview of the Development Services Department in order to ensure that plumbing and building code requirements are met.</p>		
<p><b>RATE STRUCTURE</b></p>		
<p>REVISED RECOMMENDATION NO. RS1:</p> <p>To encourage conservation, <del>the Working Group recommends that the City</del> retain <del>its</del> <u>a</u> tiered <u>rate</u> structure, but <del>that there be a</del> <u>with</u> greater cost difference between tiers. For example, some water suppliers that use a three-tiered rate structure charge thirty percent (30%) more for <del>tier two</del><u>Tier 2</u> than <del>tier one</del><u>for Tier 1</u>, and forty percent (40%) more for <del>tier three</del><u>Tier 3</u> than <del>tier two</del><u>for Tier 2</u>.</p>	<p><u>Departmental</u> <u>program</u> <u>development,</u> <u>followed by City</u> <u>Council action</u></p>	<p><u>Following</u> <u>conclusion of</u> <u>Cost of Service</u> <u>Study</u></p>

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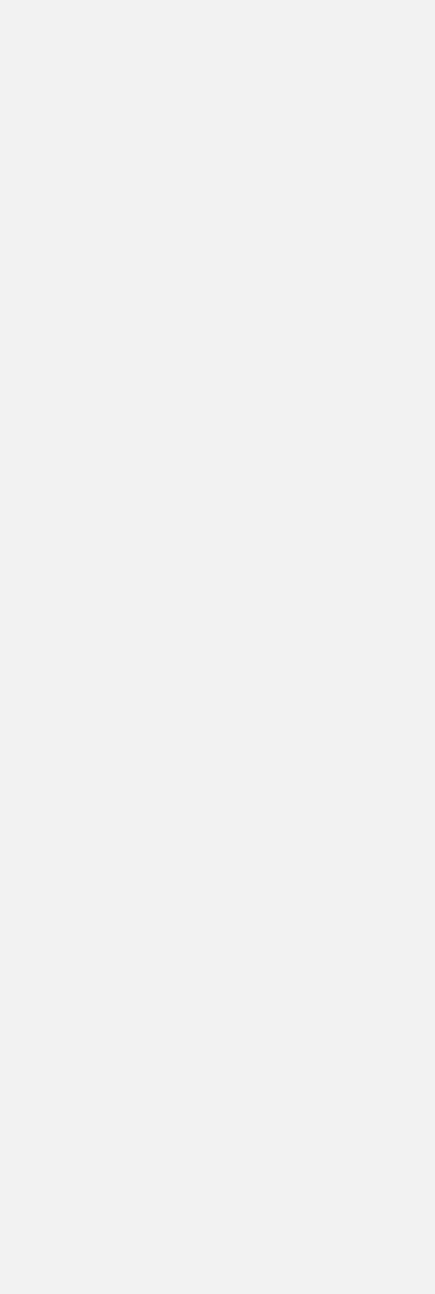
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<p>ORIGINAL RECOMMENDATION NO. RS1: To encourage conservation, the Working Group recommends that the City retain its tiered structure, but that there be a greater cost difference between tiers. For example, some water suppliers that use a three-tiered rate structure charge thirty percent (30%) more for tier two than tier one, and forty percent (40%) more for tier three than tier two.</p>		
<p>REVISED RECOMMENDATION NO. RS2: <del>Use the Cost of Service Study being performed for the City by Black and Veatch, a consulting firm, currently is performing a cost of service study for the City. The Working Group recommends that this study be used</del> to determine how much the City should charge for each tier of water service. <u>(Note: Black and Veatch cautions, however, that the difference between tiers should not be unduly punitive. An unduly punitive difference, according to Black and Veatch, would be, such as</u> tiers that are 10 or 15 times higher than the base rate.)</p>	<p><u>Departmental program development, followed by City Council action</u></p>	<p><u>Following conclusion of Cost of Service Study</u></p>
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<p>REVISED RECOMMENDATION NO. RS3: <del>The Working Group recommends that the City continue to move forward</del>Continue with its studies of a water-based budget for <del>its</del>the City's approximately 4,400 irrigation-only accounts. Depending on the results of those studies, <del>the Working Group recommends that the City</del>include this concept when <del>it</del>the City next moves forward with a Proposition 218 notice seeking to increase rates.</p>	<p><u>Departmental research and report, followed by City Council action</u></p>	<p><u>Immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. RS3: The Working Group recommends that the City continue to move forward with its studies of a water-based budget for its approximately 4,400 irrigation-only accounts. Depending on the results of those studies, the Working Group recommends that the City</p>		

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<b>INNOVATION &amp; TECHNOLOGY</b>		
<b>Leak Detection &amp; Technology</b>		
REVISED RECOMMENDATION NO. IT1: <del>The working group recommends that a presentation report on the IBM/Brady pilot study be presented to the Task Force on completion.</del>		
ORIGINAL RECOMMENDATION NO. IT1: The working group recommends that a presentation report on the IBM/Brady pilot study be presented to the Task Force on completion.		
REVISED RECOMMENDATION NO. IT2: <del>The working group recommends the City first ensure that steps have been taken to improve</del> <u>Improve</u> the quality of the data used to establish water loss performance indicators, such as: <ul style="list-style-type: none"> <li>a. <del>Evaluation of the</del><u>Evaluating</u> accuracy in the determination of the number of service connections and length of water mains.</li> <li>b. <del>Evaluation of</del><u>Evaluating</u> the potential for errors associated with determination of water input volumes.</li> <li>c. <del>Introducing a</del> program to address unauthorized consumption.</li> <li>d. <del>Introducing a</del> methodology to determine the magnitude for meter under-registration.</li> <li>e. <del>Separate</del><u>Maintaining separate</u> statistics <del>maintained</del> for leaks and for water used <del>for</del><u>in</u> fire suppression.</li> <li>f. Benchmarking <del>of</del> real versus apparent losses.</li> <li>g. <del>Calibration of</del><u>Calibrating the</u> City's current model.</li> <li>h. <del>Evaluation of</del><u>Evaluating</u> pressure reduction through rezoning.</li> </ul>	<u>Departmental research and implementation</u>	<u>Commence immediately</u>

<p>ORIGINAL RECOMMENDATION NO. IT2:</p> <p>The working group recommends the City first ensure that steps have been taken to improve the quality of the data used to establish water loss performance indicators, such as:</p> <ul style="list-style-type: none"> <li>a. Evaluation of the accuracy in the determination of the number of service connections and length of water mains.</li> <li>b. Evaluation of the potential for errors associated with determination of water input volumes.</li> <li>c. A program to address unauthorized consumption.</li> <li>d. A methodology to determine the magnitude for meter under-registration.</li> <li>e. Separate statistics maintained for leaks and for water used for fire suppression.</li> <li>f. Benchmarking of real versus apparent losses</li> <li>g. Calibration of City's current model.</li> <li>h. Evaluation of pressure reduction through rezoning</li> </ul>		
<p>REVISED RECOMMENDATION NO. IT3:</p> <p><del>Further, the working group recommends the City also conduct its</del><u>Conduct the City's</u> own assessment of potential pressure reduction throughout each pressure zone, if the City has not already done so, by such means as:</p> <ul style="list-style-type: none"> <li>a. Desktop assessment of existing topographic and water supply conditions, including customer base requirements.</li> <li>b. Evaluation and validation of network performance through hydraulic modeling.</li> <li>c. Identification and investigation of potential rezoning opportunities to reduce energy requirements.</li> </ul>	<p><u>City Council action, followed by departmental research and report</u></p>	<p><u>Commence immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. IT3:</p> <p>Further, the working group recommends the City also conduct its own assessment of potential pressure reduction throughout each pressure zone, if the City has not already done so, by such means as:</p> <ul style="list-style-type: none"> <li>a. Desktop assessment of existing topographic and water supply conditions, including customer base requirements</li> <li>b. Evaluation and validation of network performance through hydraulic</li> </ul>		



<p>modeling</p> <p>c. Identification and investigation of potential rezoning opportunities to reduce energy requirements.</p>		
<p><b>Facilitating Technology Development in the San Diego Region</b></p>		
<p>REVISED RECOMMENDATION NO. IT4:</p> <p><del>The working group recommends that the City look into</del><u>Investigate</u> the possibility of using the <del>repurification</del><u>Water Purification Project</u> demonstration <del>test</del> site or providing services, as appropriate, for local water treatment technology manufacturers and/or Blue Tech industries that need (or desire) to do field testing of new products.</p>	<p><u>Departmental research and implementation</u></p>	<p><u>Commence immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. IT4:</p> <p>The working group recommends that the City look into the possibility of using the repurification demonstration test site or providing services, as appropriate, for local water treatment technology manufacturers and/or Blue Tech industries that need (or desire) to do field testing of new products.</p>		
<p><b>Energy &amp; Water</b></p>		
<p>REVISED RECOMMENDATION NO. IT5:</p> <p><del>The working group recommends that</del><u>Include in</u> any planned optimization study not only <del>include</del> pumped storage but also <del>look at developing</del><u>development of</u> solar energy at City <del>owned</del> sites and the use of in-line hydroelectric (micro turbines) in places of pressure reducing valves at appropriate locations in the distribution system, to reduce imported energy consumption by the City and <u>create</u> overall long term energy savings.</p>	<p><u>Departmental research and implementation</u></p>	<p><u>Commence immediately</u></p>
<p>ORIGINAL RECOMMENDATION NO. IT5:</p> <p>The working group recommends that any planned optimization study not only include pumped storage but also look at developing solar energy at City owned sites and the use of in-line hydroelectric (micro turbines) in places of pressure reducing valves at appropriate locations in the distribution system to reduce imported energy consumption by the City and overall long term energy savings.</p>		

<b>REQUESTS TO STAFF</b>		
<u>REQUEST NO. 1:</u> <u>Voluntary Water Offset Program: Instruct staff to study and report back to the Task Force regarding the feasibility of a voluntary water offset program utilizing significant development incentives.</u>		
<u>REQUEST NO. 2:</u> <u>The working group recommends that a presentation report on the IBM/Brady pilot study be presented to the Task Force on completion.</u>		

