

## San Diego IRWM Plan Update – Technical Development Areas

*Revised September 26, 2017*

Sustainable Water Development	Value Storm Water as a Resource	Invest in DAC-EDA-URC-EJ Water Systems	Optimize Regional Infrastructure
<ul style="list-style-type: none"> <li>• Increase availability and reliability of local water supply</li> <li>• Reduce, reuse, and recycled water</li> <li>• Consider water quality improvements vs. cost-benefit analysis and financial capacity assessment</li> <li>• Reduce consumption of first-use/imported water                             <ul style="list-style-type: none"> <li>○ Focus on consumer use and improving distribution system losses (main breaks and leaks)</li> </ul> </li> <li>• Implement potable reuse</li> <li>• Increase surface/source water augmentation</li> <li>• Consider brackish and seawater desalination                             <ul style="list-style-type: none"> <li>○ Can help to meet energy/environmental demands</li> </ul> </li> <li>• Investigate the cost-benefit balance of groundwater conjunctive use</li> </ul>	<ul style="list-style-type: none"> <li>• Consider potential habitat and environmental benefits of storm water projects                             <ul style="list-style-type: none"> <li>○ Beneficial use improvements</li> <li>○ Resource for habitat improvement, not solely water supply</li> </ul> </li> <li>• Integrate storm water into source water replenishment                             <ul style="list-style-type: none"> <li>○ Augment supply for potable reuse</li> </ul> </li> <li>• Consider green infrastructure that assists with urban forestry                             <ul style="list-style-type: none"> <li>○ Mitigation for climate change</li> </ul> </li> <li>• Increase public knowledge about the importance of storm water as a resources and watershed/water quality protection</li> <li>• Emphasize the need for economic feasibility of storm water projects</li> </ul>	<ul style="list-style-type: none"> <li>• Invest in water/energy efficiency in DAC-EDA-URC-EJ communities</li> <li>• Invest/assist in necessary D DAC-EDA-URC-EJ water systems improvements                             <ul style="list-style-type: none"> <li>○ Must address financial, technical, managerial needs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Utilize existing infrastructure to improve water quality and supply</li> <li>• Focus on asset management to support use of existing infrastructure                             <ul style="list-style-type: none"> <li>○ Implement reservoir reoperation to improve efficiency and storage capacity</li> <li>○ Connect reservoirs to existing systems (interties)</li> </ul> </li> <li>• Align projects with regulatory requirements - achieve two goals in one project</li> <li>• Transition grey infrastructure to green infrastructure</li> <li>• Expand emphasis on habitat values</li> </ul>