

**Table 3
OBMP Update Goals, Impediments to the Goals, Activities to Remove the Impediments, Expected Outcomes of Activities,
and Nexus to Addressing the Issues Needs and Wants of the Stakeholders**

Impediments	Activities to Remove Impediments	Potential Outcomes of Activities	Issues, Needs and Wants, as Categorized by Basin Management Issues, that are Addressed by Activities								
			Reductions in Chino Basin Safe Yield	Inability to Pump Groundwater with Existing Infrastructure	Increased Cost of Groundwater Use	Chino Basin Water Quality Degradation	Recycled Water Quality Degradation	Increased Cost of Basin Plan Compliance	Reduced Recycled Water Availability and Increased Cost	Reduced Imported Water Availability and Increased Cost	
Goal 1 - Enhance Basin Water Supplies											
<p>1a • Not all of the stormwater runoff available to the Chino Basin is diverted and recharged. Failure to divert and recharge stormwater is a permanently lost opportunity.</p> <ul style="list-style-type: none"> • The existing methodology to select recharge projects for implementation is based on the cost of imported water. There are currently no known projects with a unit cost lower than the cost of imported water, hindering expansion of stormwater capture and recharge • Pumping capacity in some areas of the basin is limited due to low groundwater levels and land subsidence. 	<p>A Construct new facilities and improve existing facilities to increase the capacity to store and recharge surface water, particularly in areas of the basin that will promote the long-term balance of recharge and discharge</p>	<ul style="list-style-type: none"> • Increases recharge of high-quality stormwater that will: <ul style="list-style-type: none"> • protect/enhance the Safe Yield, • improve water quality, • reduce dependence on imported water, • increase pumping capacity in areas of low groundwater levels and areas of subsidence concern, and • provide new supply of blending water to support the recycled-water recharge program. • Provides additional supplemental-water recharge capacity for replenishment and implementation of storage and recovery programs. • Provides additional surface water storage capacity. 	✓	✓	✓	✓	✓	✓		✓	
<p>1b • There is a surplus of recycled water available to the Chino Basin parties that is not being put to beneficial use, which is a loss of a low-cost, local water supply.</p> <ul style="list-style-type: none"> • Existing infrastructure limits the reuse and recharge of recycled water in the Chino Basin. • Existing requirements to discharge recycled water to the Santa Ana River limit the amount of water available for reuse and recharge 	<p>D Maximize the reuse of recycled water produced by IEUA and others</p>	<ul style="list-style-type: none"> • Results in a new, consistent volume of in-lieu and/or wet water recharge that will: <ul style="list-style-type: none"> • protect/enhance the Safe Yield, • reduce dependence on imported water, • improve water-supply reliability, especially during dry periods, and • increase pumping capacity in areas of low groundwater levels and areas of subsidence concern. 	✓	✓						✓	✓

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Goal 2 - Protect and Enhance Water Quality										
<p>2a</p> <ul style="list-style-type: none"> • Areas of the basin are contaminated with VOCs and constituents of emerging constituents (CECs). • Water-quality regulations are evolving and becoming more restrictive, which limits the beneficial uses of groundwater. • Groundwater treatment may be necessary to meet beneficial uses, but can be expensive to build and operate. • The basin is hydrologically closed, which causes accumulation and concentration of salts, nutrients, and other contaminants. • Some stored water in the Chino Basin cannot be used due to water quality and insufficient treatment capacity 	<p>E Develop and implement a water-quality management plan to address current and future water-quality issues and protect beneficial uses</p> <p>F Develop strategic regulatory-compliance solutions that achieve multiple benefits in managing water quality</p>	<ul style="list-style-type: none"> • Proactively addresses new and near-future regulations. • Enables the parties to make informed decisions on infrastructure improvements for water-quality management. • Removes groundwater contaminants from the Chino Basin and thereby improves groundwater quality. • Enables the parties to produce or leverage their water rights that may be constrained by water quality. • Ensures that groundwater is pumped and thereby protects/enhances the Safe Yield. 	✓	✓	✓	✓				✓
<p>2b</p> <ul style="list-style-type: none"> • Water-quality regulations are evolving and generally becoming more stringent, which could limit the reuse and recharge of recycled water. 	<p>K Develop management strategy within the Salt and Nutrient Management Plan to ensure ability to comply with dilution requirements for recycled water recharge</p>	<ul style="list-style-type: none"> • Enables the continued and expanded recharge of recycled water, which will: <ul style="list-style-type: none"> • protect water quality, • improve water-supply reliability, especially during dry periods, and • protect/enhance the Safe Yield. 	✓			✓	✓	✓		✓

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Goal 3 - Enhance Management of the Basin										
<p>3a</p> <ul style="list-style-type: none"> Existing infrastructure (pumping and treatment capacity and conveyance) is insufficient to conduct puts and takes under proposed storage programs. There is unused storage space in the Basin the use of which is constrained by the storage limits defined in existing CEQA documentation. Watermaster's current storage management plan is not optimized to protect/enhance basin yield, improve water quality, avoid new land subsidence, ensure balance of recharge and discharge, maintain hydraulic control, etc. 	<p>B</p> <p>Develop, implement, and optimize storage-and-recovery programs to increase water-supply reliability, protect or enhance Safe Yield, and improve water quality.</p>	<ul style="list-style-type: none"> Storage programs that protect/enhance basin yield, improve water quality, avoid new land subsidence, ensure balance of recharge and discharge, maintain hydraulic control, etc. Leverages unused storage space in the Basin. Reduces reliance on imported water, especially during dry periods. Potentially provides outside funding sources to implement the OBMP Update. Improves water quality through the recharge of high quality water. 		✓	✓	✓	✓			✓

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<p>3b • Land subsidence in northwest MZ1 may limit the ability for parties to pump their respective rights in this area.</p> <p>• Poor water quality and increasingly restricting water quality regulations limits the ability for some parties to pump their respective rights.</p>	<p>C Identify and implement regional conveyance and treatment projects/programs to enable all stakeholders to exercise their pumping rights and minimize land subsidence.</p>	<ul style="list-style-type: none"> Enables producers in MZ1 to obtain water through regional conveyance, which supports management of groundwater levels to reduce the potential for subsidence and ground fissuring. Enables the parties to increase production in areas currently constrained by poor water quality. Removes groundwater contaminants from the Chino Basin and thereby improves water quality. 								
	<p>G Optimize the use of all sources of water supply by improving the ability to move water across the basin and amongst stakeholders, prioritizing the use of existing infrastructure.</p>	<ul style="list-style-type: none"> Protects/enhances the Safe Yield. Maximizes the use of existing infrastructure, which will minimize costs. Provides infrastructure that can also be used to implement storage and recovery programs. 	✓	✓	✓	✓				✓
<p>3d • Watermaster needs information to comply with regulations and its obligations under its agreements and Court orders, yet financial resources to collect this information are limited.</p>	<p>L Perform the appropriate amount of monitoring and reporting required for basin management and regulatory compliance</p>	<ul style="list-style-type: none"> Ensures full compliance with regulatory requirements. Ensures full support of basin management initiatives. Enables parties to monitor the performance of the OBMP Update. 	✓	✓	✓	✓	✓	✓	✓	✓

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Goal 4 - Equitably Finance the OBMP										
4a • The distribution of benefits associated with the OBMP Update is not defined. • Funding needed for the OBMP implementation activities of the Watermaster is not projected beyond the current year budget, which limits parties ability to plan required funding for the future. • There is currently no formal process to evaluate and adapt the OBMP implementation plan, schedule and cost.	H Develop an equitable distribution of costs/benefits of the OBMP Update and include in the OBMP update agreements.	<ul style="list-style-type: none"> • Provides transparency as to the benefits of the OBMP Update activities. • Provides information needed to plan financial resources. • Improves the likelihood that the OBMP will be implemented. 			✓					
4b • Limited financial resources constraint the implementation of the OBMP.	I Develop regional partnerships to implement the OBMP Update and reduce costs and include in OBMP Update agreement	<ul style="list-style-type: none"> • Lowers the cost of OBMP implementation. • Improves the likelihood that the OBMP will be implemented. 			✓					
	J Continue to identify and pursue low-interest loans and grants or other external funding sources to support the implementation of the OBMP Update. An example of such an effort is the Chino Basin Project.				✓					