

Project Reviewed:	Holtville UV Transmittance Water Treatment System Project
Project Number:	37
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not discussed in the project submittal form.	1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1		0	This project responds to the need for a DAC to meet CA Dept of Public Health drinking water compliance.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not discussed in the project submittal form.	0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		0	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1	Project is listed in the General Plan.	1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed in the project submittal form.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	1	Project would treat water that has a designated use to come into existing compliance requirements.	0	Drinking water source would be brought into compliance with latest standards.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	Uncertain if would create an economy of scale. Project claims would remove barrier to economic boost, however uncertain of veracity of claim at this time.	0	This project responds to the need for a DAC to meet CA Dept of Public Health drinking water compliance.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1	Uncertain if would create an economy of scale. Project claims would remove barrier to economic boost, however uncertain of veracity of claim at this time.	2	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		1	
	2. Project could benefit water quality of drains or rivers.				

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Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	1		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Project intends to bring the City of Holtville into TTHM and MCL compliance.		
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Not discussed in the project submittal form.		
Environmental Protection and Enhancement Goal					
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		Not discussed in the project submittal form.		
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not discussed on project submittal form.		Based on Project Information, project cost not directly associated with per acre-foot yield, however, a rough cost of \$15 to \$20 per service connection per year, for twenty years is needed to pay for the upgrade.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed on project submittal form.		
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	0		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Claims to remove a barrier to economic growth, however given current economic conditions economic growth in this area is questionable.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.		Already funded portions of this project are slated to be completed in October of 2012.		
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.				Project is fairly simple and straitforward regarding design and construction documents necessary for improvements.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	1		2	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.		Project is exempt from CEQA and NEPA. Unsure if		

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Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		other environmental documents are required.		
4. Permitting	Does the project have permits or a plan to obtain permits?	2		2	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		The project does not require any permits.		
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.		The funding section of the form doesn't add up. There is funding available but not listed on the form. The TEC is \$540,000 and the unfunded amount is \$370,000 but the amount of cost match or other sources of funding is not provided on the form.		
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		0	
	1= Yes				
	0= No		There are no alternative benefits of this project other than water quality.		
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.		Project involves the City of Holtville.		
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes				
	0= No		Only to a single/limited stakeholder group.		Project is focused on obtaining compliance for one DAC's drinking water system.
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		0	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Projects were prioritized by their "Commencement" and "Call". The listing is as below.
There were no projects that were listed as "Started" provided during the second call and therefore Priority 1 starts with <1 Year.

Priority	Commencement	Call
1	< 1	2nd Call
2	1 - 3	2nd Call
3	3 - 6	2nd Call
4		2nd Call
5	Started	1st Call
6	< 1	1st Call
7	1 - 3	1st Call
8	3 - 6	1st Call
9	> 6	1st Call
10		1st Call

Imperial IRWMP Project Review List--First Call

Project Number	Title	Sponsor	Project Type	Project Goals	Project Phase	Start	Finish	Averaged Score
6	New River Bioremediation and Wildlife Habitat Restoration and Process Evaluation Project	San Diego State University Research Foundation	Habitat Restoration, Invasive Species Control, Conservation	Water Quality	Preliminary Design	< 1	< 1	64
9	City of Brawley Reclaim Water Project	City of Brawley	Reclaim WW	Water Supply, Environmental Protection, Regional Policies/Goals, Water Quality	Preliminary Design	< 1	1 - 3	81
12	City of Brawley Water Meter Project	City of Brawley	Metering, Conservation	Water Supply, Environmental Protection, Regional Policies/GoalsWater Conservation	Preliminary Design	< 1	1 - 3	67
13	Keystone Water Reclamation Facility	City of Imperial	Reclaim WW	Water Supply	Final Design	< 1	1 - 3	88
18	Ave 72, Martinez Canyon Groundwater Storage Project	Imperial Irrigation District	Groundwater Storage	Water Supply	Feasibility	< 1		87
19	Ave. 62, Thomas Levy Recharge Site.	Imperial Irrigation District	Groundwater Storage	Regional Policies/Goals	Feasibility	< 1		95
20	East Mesa Groundwater Storage Project	Imperial Irrigation District	Groundwater Storage	Environmental Protection	Feasibility	< 1		95
21	Painted Canyon Groundwater Storage Project	Imperial Irrigation District	Groundwater Storage	Water Supply	Feasibility	< 1		45
34	Holtville Water Distribution System Project	City of Holtville	Pipeline Connector (WS), Reliability	Water Quality	Preliminary Design	< 1	1 - 3	61
35	Holtville Wastewater Treatment Plant Improvement Project	City of Holtville	WWTP Upgrade	Water Quality	Preliminary Design	< 1	1 - 3	64
36	Holtville Wastewater Collection System Project	City of Holtville	Fix wastewater outfall pipeline	Water Quality	Final Design	< 1	< 1	64
46	Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea Water Quality and Regional Air Quality	Scripps Institution of Oceanography (SIO), University of California San Diego (UCSD)	Pilot Project, Algae	Environmental Protection, Regional Policies/Goals, Water Qualityair quality; improved economics for agriculture operators per unit of water irrigated	Project Planning and Feasibility Study	< 1	3 - 6	82
1	HPUD WWTP Upgrade to Tertiary Treatment	Heber Public Utility District	Reclaim WW	Water Supply	Preliminary Design	1 - 3	1 - 3	66
8	City of Brawley Raw Water Storage Project	City of Brawley	Storage, Reliability	Water Supply	Project Planning and Feasibility Study	1 - 3	1 - 3	66
10	Regional Wastewater Treatment and Recycled Water Project	City of Brawley and City of Imperial	Reclaim WW	Water SupplyRegional Policies/Goals, Water Quality	Preliminary Design	1 - 3	3 - 6	
14	IID Systems Conservation and Improvements Projects for IWSP	Imperial Irrigation District	Conservation	Regional Policies/Goals	Construction	1 - 3	3 - 6	104
32	Water distribution storage tanks, 2 each SMG	City of El Centro	Storage, Reliability	Water SupplyRegional Policies/Goals, Water Quality	Preliminary Design	1 - 3	< 1	50
41	Drainage Improvements in the Township of Seeley; County Project No. 5363	Imperial County Public Works	Stormwater	Flood Protection	Project Planning and Feasibility Study	1 - 3	1 - 3	58
2	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)	Imperial Irrigation District	Desalination	Water Supply	Planning	3 - 6	> 6	96
7	East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)	Imperial Irrigation District	Desalination	Water Quality	Planning	3 - 6	3 - 6	93
15	Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :	Southern Low Desert Resource Conservation and Development Council	Pilot Project	Regional Policies/GoalsAncillary use of agricultural tailgate water	Ready to Construct		< 1	68
37	Holtville UV Transmittance Water Treatment System Project	City of Holtville	Drinking Water	Water Quality	Project Concept	< 1	< 1	52
38	Holtville Stormwater Master Plan Project	City of Holtville	Stormwater plan	Flood Protection	Project Concept	< 1	< 1	48
39	Holtville Stormwater Conveyance System and Detention Basin Project	City of Holtville	City Stormwater	Flood Protection	Project Concept	< 1	1 - 3	61
40	Holtville Sewer Master Plan/Map Update Project	City of Holtville	WWT System Upgrade	Water Quality	Project Concept	< 1	< 1	---
49	Holtville Water Master Plan/Map Update Project	City of Holtville	Develop Plan	Water Quality	Project Concept	< 1	< 1	---
42	Phased Underrun Storage and Agricultural Wastewater Reclamation Project	Imperial Irrigation District	Groundwater Storage, Water Quality	Water Supply	Project Concept	1 - 3	> 6	---
44	Microalgal Cultivation for Improved Yields, Economic Value and Water Use Efficiency on Agricultural lands in the Imperial Valley, CA	Scripps Institution of Oceanography (SIO), University of California San Diego (UCSD)	Pilot Project, Algae	Environmental Protection, Regional Policies/Goals, Water Qualityimproved economics for agriculture operators per unit of water irrigated	Project Concept	1 - 3	> 6	---
45	Macroalgae Solutions for the Imperial Valley and Salton Sea Region	The Gas Technology Institute (GTI)	Pilot Project, Algae	Water Supply, Environmental Protection, Regional Policies/Goals, Water QualityIncreased value crops per water used	Project Concept	1 - 3	3 - 6	---
48	Integrated Microalgae Cultivation Process for Improving Water Quality in Imperial Valley Drainage Canals	Scripps Institution of Oceanography (SIO), University of California San Diego (UCSD)	Pilot Project, Algae	Environmental Protection, Regional Policies/Goals, Water Qualityimproved economics for agriculture operators per unit of water irrigated	Project Concept	1 - 3	> 6	---
33	Poe Colonia Wastewater Treatment Plant Upgrade	County of Imperial	Wastewater Treatment Plant	Wastewater Treatment Plant	Project Concept	3 - 6	3 - 6	---
47	Interconnection projects between City of El Centro, City of Imperial and the Heber Utility District	City of El Centro	Interconnection, Reliability	Water SupplyRegional Policies/Goals, Water Quality	Project Concept	3 - 6		45

Imperial IRWMP Project Review List--First Call

Project Number	Title	Sponsor	Project Type	Project Goals	Project Phase	Start	Finish	Score
16	Ramer Lake Conservation Plan for Water Savings	Southern Low Desert Resource Conservation and Development Council	Habitat Restoration, Invasive Species Control, Conservation	Water Supply	Environmental Review	< 1	3 - 6	---
17	Imperial Valley Biogas Initiative	Southern California Gas Company	Alternate Energy, Algae, Water Quality	Water Supply, Environmental Protection, Regional Policies/Goals, Water QualityRenewable Energy	Project Planning and Feasibility Study	Started	1 - 3	---
24	Drainage Upgrade (Broadway St., No. Eighth St., Commercial Ave. from Imperial Ave to sixth street.)	City of El Centro	City Stormwater	Water Supply	Planning	1 - 3	1 - 3	---
22	Drainage Upgrade (Holt Avenue, Imperial to 12th)	City of El Centro	City Stormwater	Water Supply	Planning	3 - 6	< 1	---
26	Drainage Upgrade (La Brucherie Rd. to 23rd; Barbara Worth Ave. to Orange)	City of El Centro	City Stormwater	Flood Protection	Planning	3 - 6	3 - 6	---
27	Drainage Upgrade (8th St., Woodward to Villa)	City of El Centro	City Stormwater	Flood Protection	Planning	3 - 6	3 - 6	---
28	Drainage Upgrade (Lincoln Ave.; 6th St.)	City of El Centro	City Stormwater	Flood Protection	Planning	3 - 6	3 - 6	---
23	Drainage Upgrade (Development west of Wake Ave and 8th St: Cypress Dr: Farmer Dr: 10th St: 9th St)	City of El Centro	City Stormwater	Water Supply	Planning	> 6	< 1	---
25	Drainage Upgrade (Dogwood Rd., Ross Rd., Heil Ave., Hope Ave. between 1st and Orange)	City of El Centro	City Stormwater	Water Supply	Planning	> 6	> 6	---
31	Drainage Upgrade (8th St. from Villa to Central Main Drain)	City of El Centro	City Stormwater	Flood Protection	Planning	> 6	3 - 6	---
29	Drainage Upgrade (Oak St. from San Diego to Villa)	City of El Centro	City Stormwater	Flood Protection	Planning		1 - 3	---
30	Drainage Upgrade (Evan Hewes Hwy. Dogwood to Cooley)	City of El Centro	City Stormwater	Flood Protection	Planning		3 - 6	---

Project	Max Poss	1	2	6	7	8	9	12	13	14	15	18	19	20	21	32	34	35	36	37	38	39	40	41	46	47	
Water Supply Goal																											
Water Supply Goal Score Subtotal	51	18	39.5	7.5	36.5	24	19.5	20.5	18	39	8.5	40	40	41.5	39.5	8	7	5.5	8	5	4.5	10	4.5	9	15	6	
Percent of Goal	100.0%	35.3%	77.5%	14.7%	71.6%	47.1%	38.2%	40.2%	35.3%	76.5%	16.7%	78.4%	78.4%	81.4%	77.5%	15.7%	13.7%	10.8%	15.7%	9.8%	8.8%	19.6%	8.8%	17.6%	29.4%	11.8%	
Water Quality Goal																											
Water Quality Goal Score Subtotal	24	10	12	8	13.5	10.5	9.5	4	10	7	7	5	5	5	5	9	9.5	7.5	10	12	3.5	8.5	7	7.5	9	10	
Percent of Goal	100.0%	41.7%	50.0%	33.3%	56.3%	43.8%	39.6%	16.7%	41.7%	29.2%	29.2%	20.8%	20.8%	20.8%	20.8%	37.5%	39.6%	31.3%	41.7%	50.0%	14.6%	35.4%	29.2%	31.3%	37.5%	41.7%	
Environmental Protection and Enhancement Goal																											
Environmental Enhancement Goal Score Subtotal	8	0	0	7	0	0	0	0	3.5	0	3	0	0	0	0	0	0	3	1.5	0	1.5	1	0	0	8	0	
Percent of Goal	100.0%	0.0%	0.0%	87.5%	0.0%	0.0%	0.0%	0.0%	43.8%	0.0%	37.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	37.5%	18.8%	0.0%	18.8%	12.5%	0.0%	0.0%	100.0%	0.0%	
Flood Protection and Stormwater Management Goal																											
Flood Goal Score Subtotal	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	4	2	4	2	2	
Percent of Goal	100.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	75.0%	50.0%	50.0%	75.0%	100.0%	50.0%	100.0%	50.0%	50.0%	
IRWMP Goals Subtotal Score	87	30	53.5	24.5	52	36.5	31	26.5	33.5	48	20.5	47	47	48.5	46.5	19	18.5	19	21.5	19	12.5	23.5	13.5	20.5	34	18	
Percent of IRWM Goals	100.0%	34.5%	61.5%	28.2%	59.8%	42.0%	35.6%	30.5%	38.5%	55.2%	23.6%	54.0%	54.0%	55.7%	53.4%	21.8%	21.3%	21.8%	24.7%	21.8%	14.4%	27.0%	15.5%	23.6%	39.1%	20.7%	
Strategic Considerations for IRWM Plan Implementation																											
Strategic Considerations for IRWM Plan Implementation Subtotal	33	9	12.5	5	10	12	20	9	12	12	12.5	13.5	18	18	9	4.5	8.5	9.5	4.5	3	3	4.5	3	7.5	11.5	8.5	
Percent of Goal	100.0%	27.3%	37.9%	15.2%	30.3%	36.4%	60.6%	27.3%	36.4%	36.4%	37.9%	40.9%	54.5%	54.5%	27.3%	13.6%	25.8%	28.8%	13.6%	9.1%	9.1%	13.6%	9.1%	22.7%	34.8%	25.8%	
Readiness to Proceed Category																											
Readiness to Proceed Subtotal	38	16	12	18.5	12	10	15.5	24	23	25	21.5	11	14	13	15	19	25.5	24.5	28.5	24	26	19	20	23.5	21.5	11	
Percent of Goal	100.0%	42.1%	31.6%	48.7%	31.6%	26.3%	40.8%	63.2%	60.5%	65.8%	56.6%	28.9%	36.8%	34.2%	39.5%	50.0%	67.1%	64.5%	75.0%	63.2%	68.4%	50.0%	52.6%	61.8%	56.6%	28.9%	
Other CDWR Statewide IRWMP Criteria																											
Other CDWR Statewide IRWMP Criteria Subtotal	22	11	18	15.5	19	7	14	7	19	19	13.5	15.5	15.5	15.5	16.5	7.5	8.5	10.5	9	6	6	14	7	6	14.5	7	
Percent of Goal	100.0%	50.0%	81.8%	70.5%	86.4%	31.8%	63.6%	31.8%	86.4%	86.4%	61.4%	70.5%	70.5%	70.5%	75.0%	34.1%	38.6%	47.7%	40.9%	27.3%	27.3%	63.6%	31.8%	27.3%	65.9%	31.8%	
Total Project Score	180.0	66.0	96.0	63.5	93.0	65.5	80.5	66.5	87.5	104.0	68.0	87.0	94.5	95.0	87.0	50.0	61.0	63.5	63.5	52.0	47.5	61.0	43.5	57.5	81.5	44.5	
Percent of Total Score	100.0%	36.7%	53.3%	35.3%	51.7%	36.4%	44.7%	36.9%	48.6%	57.8%	37.8%	48.3%	52.5%	52.8%	48.3%	27.8%	33.9%	35.3%	35.3%	28.9%	26.4%	33.9%	24.2%	31.9%	45.3%	24.7%	

Imperial IRWMP Project Ranking 4/10/2012

Rank	Project No.	Project Title	Water Supply	Water Quality	Environmental	Flood	IRWMP Goals		Strategic Considerations		Readiness		Statewide		Total	
			Subtotal	Subtotal	Subtotal	Subtotal	Subtotal	% of Total	Subtotal	% of Total	Subtotal	% of Total	Subtotal	% of Total	Subtotal	% of Total
Maximum Possible Points			51	24	8	4	87	100.0%	33	100.0%	38	100.0%	22	100.0%	180.0	100.0%
1	14	IID Systems Conservation and Improvements Projects for IWSP	39	7	0	2	48	55.2%	12	36.4%	25	65.8%	19	86.4%	104.0	57.8%
2	2	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)	39.5	12	0	2	53.5	61.5%	12.5	37.9%	12	31.6%	18	81.8%	96.0	53.3%
3	20	East Mesa Groundwater Storage Project	41.5	5	0	2	48.5	55.7%	18	54.5%	13	34.2%	15.5	70.5%	95.0	52.8%
4	19	Ave. 62, Thomas Levy Recharge Site.	40	5	0	2	47	54.0%	18	54.5%	14	36.8%	15.5	70.5%	94.5	52.5%
5	7	East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)	36.5	13.5	0	2	52	59.8%	10	30.3%	12	31.6%	19	86.4%	93.0	51.7%
6	13	Keystone Water Reclamation Facility	18	10	3.5	2	33.5	38.5%	12	36.4%	23	60.5%	19	86.4%	87.5	48.6%
7	18	Ave 72, Martinez Canyon Groundwater Storage Project	40	5	0	2	47	54.0%	13.5	40.9%	11	28.9%	15.5	70.5%	87.0	48.3%
8	21	Painted Canyon Groundwater Storage Project	39.5	5	0	2	46.5	53.4%	9	27.3%	15	39.5%	16.5	75.0%	87.0	48.3%
9	46	Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea Water Quality and Regional Air Quality	15	9	8	2	34	39.1%	11.5	34.8%	21.5	56.6%	14.5	65.9%	81.5	45.3%
10	9	City of Brawley Reclaim Water Project	19.5	9.5	0	2	31	35.6%	20	60.6%	15.5	40.8%	14	63.6%	80.5	44.7%
11	15	Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :	8.5	7	3	2	20.5	23.6%	12.5	37.9%	21.5	56.6%	13.5	61.4%	68.0	37.8%
12	12	City of Brawley Water Meter Project	20.5	4	0	2	26.5	30.5%	9	27.3%	24	63.2%	7	31.8%	66.5	36.9%
13	1	HPUD WWTP Upgrade to Tertiary Treatment	18	10	0	2	30	34.5%	9	27.3%	16	42.1%	11	50.0%	66.0	36.7%
14	8	City of Brawley Raw Water Storage Project	24	10.5	0	2	36.5	42.0%	12	36.4%	10	26.3%	7	31.8%	65.5	36.4%
15	6	New River Bioremediation and Wildlife Habitat Restoration and Process Evaluation Project	7.5	8	7	2	24.5	28.2%	5	15.2%	18.5	48.7%	15.5	70.5%	63.5	35.3%
16	35	Holtville Wastewater Treatment Plant Improvement Project	5.5	7.5	3	3	19	21.8%	9.5	28.8%	24.5	64.5%	10.5	47.7%	63.5	35.3%
17	36	Holtville Wastewater Collection System Project	8	10	1.5	2	21.5	24.7%	4.5	13.6%	28.5	75.0%	9	40.9%	63.5	35.3%
18	34	Holtville Water Distribution System Project	7	9.5	0	2	18.5	21.3%	8.5	25.8%	25.5	67.1%	8.5	38.6%	61.0	33.9%
19	39	Holtville Stormwater Conveyance System and Detention Basin Project	10	8.5	1	4	23.5	27.0%	4.5	13.6%	19	50.0%	14	63.6%	61.0	33.9%
20	41	Drainage Improvements in the Township of Seeley; County Project No. 5363	9	7.5	0	4	20.5	23.6%	7.5	22.7%	23.5	61.8%	6	27.3%	57.5	31.9%
21	37	Holtville UV Transmittance Water Treatment System Project	5	12	0	2	19	21.8%	3	9.1%	24	63.2%	6	27.3%	52.0	28.9%
22	32	Water distribution storage tanks, 2 each SMG	8	9	0	2	19	21.8%	4.5	13.6%	19	50.0%	7.5	34.1%	50.0	27.8%
23	38	Holtville Stormwater Master Plan Project	4.5	3.5	1.5	3	12.5	14.4%	3	9.1%	26	68.4%	6	27.3%	47.5	26.4%
24	47	Interconnection projects between City of El Centro, City of Imperial and the Heber Utility District	6	10	0	2	18	20.7%	8.5	25.8%	11	28.9%	7	31.8%	44.5	24.7%
25	40	Holtville Sewer Master Plan/Map Update Project	4.5	7	0	2	13.5	15.5%	3	9.1%	20	52.6%	7	31.8%	43.5	24.2%

Project Score

Project ID	2			
Project Title	<i>Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)</i>			
Project Review Criteria, Distribution of Available Points	Subtotal Goals	% of Goals	Total points	% of Total
IRWMP Goals			53.5	29.7%
1. Water Supply Goal	39.5	77.5%		
2. Water Quality Goal	12	50.0%		
3. Environmental Protection and Enhancement Goal	0	0.0%		
4. Flood Protection and Stormwater Management Goal	2	50.0%		
Strategic Considerations for IRWM Plan Implementation			12.5	6.9%
Readiness to Proceed Category			12	6.7%
Other CDWR Statewide IRWMP Criteria			18	10.0%
Total Project Score			96	53.3%

Project Reviewed: HPUD WWTP Upgrade to Tertiary Treatment

Project Number: 1

Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
IRWMP Goals					
Water Supply Goal Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands					
1. Effect to agricultural users of water.	2	0	4	<i>Does the project have an effect to water supplies historically available to agriculture?</i>	1
			2	2. No impacts and clearly defined benefits to agricultural water supplies.	
				1. Some impacts and no benefits to agricultural water supplies.	
				0. Defined and identifiable negative impacts to agricultural water supplies.	
2. Improve Water Supply.	3	1	15	<i>Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.</i>	1
			5	5. >50,000 acre feet.	
				4. 25,001 to 50,000 acre feet.	
				3. 10,001 to 25,000 acre feet.	
				2. 5001 to 10,000 acre feet.	
				1. 0 to 5000 acre feet; yield or limited ability to firmly define.	
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	<i>Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?</i>	0
			2	2. The project would provide for storage or use of Colorado River supply.	
				1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.	
				0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.	
4. Conserves Colorado River Supplies.	4	0	8	<i>Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?</i>	1
			2	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.	
				1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.	
				0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.	
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	<i>Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?</i>	1
			1	1. Projects would provide a source of supply and allow for reapportionment.	
				0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.	
6. Integrate Resource Management Strategies.	2	0	6	<i>Will the project apply or integrate Resource Management Strategies?</i>	1
			3	2. Integrates five or more RMS.	
				1. Integrates 3-5 RMS.	
				0. Less than three RMS.	
7. Plan Consistency.	2	0	4	<i>Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?</i>	1
			2	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.	
				1. Moderate degree of consistency. Project concepts identified in GP or other plan.	
				0. Limited or no consistency with existing plan.	
8. Groundwater Rights.	1	0	2	<i>Will the project protect correlative groundwater rights or optimize the use of groundwater?</i>	1
			2	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.	
				1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.	
				0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.	
Water Quality Goal Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	2	0	4	<i>Would the project make beneficial use of poor quality water and provide economic benefits?</i>	1
			2	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.	
				1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.	
				0. Project would not make beneficial use of poor quality water source water or provide economic benefits.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2
			2	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.	
				1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
				0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0
			2	2. Assists DACs to meet standards, address public health threats, and create economies of scale.	
				1. Assists DACs to meet standards, does not create economies of scale.	
				0: Does not assist DACs to meet drinking water standards or create economies of scale.	
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	1
			2	2. Project could benefit water quality of drains or rivers.	
				1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.	
				0. Project could have impacts on water quality of drains or rivers.	
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0
			2	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.	
				1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.	
				0. Does not help meet established TMDLs and does not implement stormwater BMPs.	
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?	2
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.	
				1. Project would not improve groundwater quality and would not protect existing water quality.	
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	
Environmental Protection and Enhancement Goal		Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.			
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	0
			2	2. Project increases or improves habitat and could support mitigation of other project impacts.	
				1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.	
				0. Project does not increase or improve habitat.	
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0
			1	1. Integrates multiple design elements to provide multiple benefits.	
				0. Does not integrate multiple design elements or provide multiple benefits.	
Flood Protection and Stormwater Management Goal		Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.			
Percent of IRWMP Goal=		4.6%			
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1
			2	2. Project would reduce economic damages, protect life and property.	
				1. Projects would not reduce economic damages or protect life and property.	
				0. Project could increase economic damages or result in potential impacts to life or property.	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?	1
			2	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.	
				1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.	
				0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?	1
			4	4. < \$150/af.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
				3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	0
			3	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1
			3	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3
			5	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	1
			3	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	0
			2	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	1
			2	2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	
5. Funding	5	0	10	Are the project funding sources well defined?	1
			2	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0
			1	1= Yes 0= No	
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	0
			2	2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1
			1	1= Yes 0= No	
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	1
			1	1= Yes 0= No	
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	1
			1	1= Yes	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
				<i>0= No</i>	
6. Climate Change Adaption	2	0	2	<i>Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?</i>	0
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	<i>Does the project affect greenhouse gas emissions in the region?</i>	1
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	<i>Does the project support expansion of renewable energy portfolio for the Region or State?</i>	1
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
IRWMP Goals					
Water Supply Goal		Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands			
1. Effect to agricultural users of water.	2	0	4	Does the project have an effect to water supplies historically available to agriculture?	2
			2	2. No impacts and clearly defined benefits to agricultural water supplies.	
				1. Some impacts and no benefits to agricultural water supplies.	
				0. Defined and identifiable negative impacts to agricultural water supplies.	
2. Improve Water Supply.	3	1	15	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	3
			5	5. >50,000 acre feet.	
				4. 25,001 to 50,000 acre feet.	
				3. 10,001 to 25,000 acre feet.	
				2. 5001 to 10,000 acre feet.	
				1. 0 to 5000 acre feet; yield or limited ability to firmly define.	
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0
			2	2. The project would provide for storage or use of Colorado River supply.	
				1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.	
				0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.	
4. Conserves Colorado River Supplies.	4	0	8	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	4
			2	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.	
				1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.	
				0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.	
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	4
			1	1. Projects would provide a source of supply and allow for reapportionment.	
				0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.	
6. Integrate Resource Management Strategies.	2	0	6	Will the project apply or integrate Resource Management Strategies?	2
			3	2. Integrates five or more RMS.	
				1. Integrates 3-5 RMS.	
				0. Less than three RMS.	
7. Plan Consistency.	2	0	4	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2
			2	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.	
				1. Moderate degree of consistency. Project concepts identified in GP or other plan.	
				0. Limited or no consistency with existing plan.	
8. Groundwater Rights.	1	0	2	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1
			2	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.	
				1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.	
				0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.	
Water Quality Goal		Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.			
1. Match Water Quality to use.	2	0	4	Would the project make beneficial use of poor quality water and provide economic benefits?	2
			2	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.	
				1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.	
				0. Project would not make beneficial use of poor quality water source water or provide economic benefits.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2
			2	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.	
				1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
				0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0
			2	2. Assists DACs to meet standards, address public health threats, and create economies of scale.	
				1. Assists DACs to meet standards, does not create economies of scale.	
				0. Does not assist DACs to meet drinking water standards or create economies of scale.	
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	2
			2	2. Project could benefit water quality of drains or rivers.	
				1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.	
				0. Project could have impacts on water quality of drains or rivers.	
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0
			2	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.	
				1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.	
				0. Does not help meet established TMDLs and does not implement stormwater BMPs.	
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?	4
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.	
				1. Project would not improve groundwater quality and would not protect existing water quality.	
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	0
			2	2. Project increases or improves habitat and could support mitigation of other project impacts.	
				1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.	
				0. Project does not increase or improve habitat.	
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0
			1	1. Integrates multiple design elements to provide multiple benefits.	
				0. Does not integrate multiple design elements or provide multiple benefits.	
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
Percent of IRWMP Goal=	4.6%				
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	2
			2	2. Project would reduce economic damages, protect life and property.	
				1. Projects would not reduce economic damages or protect life and property.	
				0. Project could increase economic damages or result in potential impacts to life or property.	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?	3
			2	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.	
				1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.	
				0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?	3
			4	4. < \$150/af.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
				3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	0
			3	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	3
			3	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	6
			5	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	4
			3	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	0
			2	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	1
			2	2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	
5. Funding	5	0	10	Are the project funding sources well defined?	5
			2	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0
			1	1= Yes 0= No	
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	0
			2	2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	4
			1	1= Yes 0= No	
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	2
			1	1= Yes 0= No	
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	2
			1	1= Yes	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
				<i>0= No</i>	
6. Climate Change Adaption	2	0	2	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	Does the project affect greenhouse gas emissions in the region?	1
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	Does the project support expansion of renewable energy portfolio for the Region or State?	2
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	

Project Reviewed: HPUD WWTP Upgrade to Tertiary TreatmentProject Number: 1Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo**Imperial IRWMP Project Evaluation and Ranking Criteria****Reviewer One**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
IRWMP Goals					
Water Supply Goal		Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands			
1. Effect to agricultural users of water.	2	0	4	Does the project have an effect to water supplies historically available to agriculture?	
2			2. No impacts and clearly defined benefits to agricultural water supplies.		
			1. Some impacts and no benefits to agricultural water supplies.		
			0. Defined and identifiable negative impacts to agricultural water supplies.		
2. Improve Water Supply.	3	1	15	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1.2 MGD approximately 1,300 AFY
5			5. >50,000 acre feet.		
			4. 25,001 to 50,000 acre feet.		
			3. 10,001 to 25,000 acre feet.		
			2. 5001 to 10,000 acre feet.		
			1. 0 to 5000 acre feet; yield or limited ability to firmly define.		
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	
2			2. The project would provide for storage or use of Colorado River supply.		
			1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.		
			0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.		
4. Conserves Colorado River Supplies.	4	0	8	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	
2			2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.		
			1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.		
			0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.		
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	
1			1. Projects would provide a source of supply and allow for reapportionment.		
			0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.		
6. Integrate Resource Management Strategies.	2	0	6	Will the project apply or integrate Resource Management Strategies?	
3			2. Integrates five or more RMS.		
			1. Integrates 3-5 RMS.		
			0. Less than three RMS.		
7. Plan Consistency.	2	0	4	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	
2			2. Greatest degree of consistency. Projects clearly identified in GP or other plan.		
			1. Moderate degree of consistency. Project concepts identified in GP or other plan.		
			0. Limited or no consistency with existing plan.		
8. Groundwater Rights.	1	0	2	Will the project protect correlative groundwater rights or optimize the use of groundwater?	May protect ag users by offsetting an industrial demand, which takes a higher priority.
2			2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.		
			1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.		
			0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.		
Water Quality Goal		Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.			
1. Match Water Quality to use.	2	0	4	Would the project make beneficial use of poor quality water and provide economic benefits?	
2			2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.		
			1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.		
			0. Project would not make beneficial use of poor quality water source water or provide economic benefits.		

Project Reviewed: HPUD WWTP Upgrade to Tertiary Treatment

Project Number: 1

Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					Reviewer One
Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	
			2	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.	
				1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
				0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	
			2	2. Assists DACs to meet standards, address public health threats, and create economies of scale.	
				1. Assists DACs to meet standards, does not create economies of scale.	
				0: Does not assist DACs to meet drinking water standards or create economies of scale.	
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	
			2	2. Project could benefit water quality of drains or rivers.	
				1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.	
				0. Project could have impacts on water quality of drains or rivers.	
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	
			2	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.	
				1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.	
				0. Does not help meet established TMDLs and does not implement stormwater BMPs.	
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?	
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.	
				1. Project would not improve groundwater quality and would not protect existing water quality.	
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	
Environmental Protection and Enhancement Goal		Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.			
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	
			2	2. Project increases or improves habitat and could support mitigation of other project impacts.	
				1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.	
				0. Project does not increase or improve habitat.	
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	
			1	1. Integrates multiple design elements to provide multiple benefits.	
				0. Does not integrate multiple design elements or provide multiple benefits.	
Flood Protection and Stormwater Management Goal		Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.			
Percent of IRWMP Goal= 4.6%					
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	
			2	2. Project would reduce economic damages, protect life and property.	
				1. Projects would not reduce economic damages or protect life and property.	
				0. Project could increase economic damages or result in potential impacts to life or property.	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?	
			2	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.	
				1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.	
				0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?	
			4	4. < \$150/af.	

Project Reviewed: HPUD WWTP Upgrade to Tertiary TreatmentProject Number: 1Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo**Imperial IRWMP Project Evaluation and Ranking Criteria****Reviewer One**

Criteria	Weight	Possible Score low high		Question/Performance Measures	Reviewer Comments
				3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	Estimated at approximately \$460 per AF for 20 years.
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	
3			2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	
3			2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	
5			4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.		
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	
3			3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	Project information indicates limited funding to advance DAC projects, including this one.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	
2			2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.		
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	
2			2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.		
5. Funding	5	0	10	Are the project funding sources well defined?	
2			2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	
1			1= Yes 0= No		
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	
2			2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.		
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	
1			1= Yes 0= No		
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	
1			1= Yes 0= No		
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	
1			1= Yes		

Project Reviewed: HPUD WWTP Upgrade to Tertiary TreatmentProject Number: 1Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					Reviewer One
Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
				0= No	
6. Climate Change Adaption	2	0	2	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	Does the project affect greenhouse gas emissions in the region?	
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	Does the project support expansion of renewable energy portfolio for the Region or State?	
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
IRWMP Goals					
Water Supply Goal Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands					
1. Effect to agricultural users of water.	2	0	4	Does the project have an effect to water supplies historically available to agriculture?	1
			2	2. No impacts and clearly defined benefits to agricultural water supplies.	
				1. Some impacts and no benefits to agricultural water supplies.	
				0. Defined and identifiable negative impacts to agricultural water supplies.	
2. Improve Water Supply.	3	1	15	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1
			5	5. >50,000 acre feet.	
				4. 25,001 to 50,000 acre feet.	
				3. 10,001 to 25,000 acre feet.	
				2. 5001 to 10,000 acre feet.	
				1. 0 to 5000 acre feet; yield or limited ability to firmly define.	
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0
			2	2. The project would provide for storage or use of Colorado River supply.	
				1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.	
				0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.	
4. Conserves Colorado River Supplies.	4	0	8	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1
			2	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.	
				1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.	
				0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.	
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1
			1	1. Projects would provide a source of supply and allow for reapportionment.	
				0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.	
6. Integrate Resource Management Strategies.	2	0	6	Will the project apply or integrate Resource Management Strategies?	1
			3	2. Integrates five or more RMS.	
				1. Integrates 3-5 RMS.	
				0. Less than three RMS.	
7. Plan Consistency.	2	0	4	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1
			2	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.	
				1. Moderate degree of consistency. Project concepts identified in GP or other plan.	
				0. Limited or no consistency with existing plan.	
8. Groundwater Rights.	1	0	2	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1
			2	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.	
				1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.	
				0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.	
Water Quality Goal Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	2	0	4	Would the project make beneficial use of poor quality water and provide economic benefits?	1
			2	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.	
				1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.	
				0. Project would not make beneficial use of poor quality water source water or provide economic benefits.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score low	high	Question/Performance Measures	Reviewer Score
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2
			2	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.	
				1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
				0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0
			2	2. Assists DACs to meet standards, address public health threats, and create economies of scale.	
				1. Assists DACs to meet standards, does not create economies of scale.	
				0: Does not assist DACs to meet drinking water standards or create economies of scale.	
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	1
			2	2. Project could benefit water quality of drains or rivers.	
				1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.	
				0. Project could have impacts on water quality of drains or rivers.	
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0
			2	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.	
				1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.	
				0. Does not help meet established TMDLs and does not implement stormwater BMPs.	
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?	2
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.	
				1. Project would not improve groundwater quality and would not protect existing water quality.	
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	
Environmental Protection and Enhancement Goal		Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.			
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	0
			2	2. Project increases or improves habitat and could support mitigation of other project impacts.	
				1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.	
				0. Project does not increase or improve habitat.	
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0
			1	1. Integrates multiple design elements to provide multiple benefits.	
				0. Does not integrate multiple design elements or provide multiple benefits.	
Flood Protection and Stormwater Management Goal		Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.			
Percent of IRWMP Goal=		4.6%			
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1
			2	2. Project would reduce economic damages, protect life and property.	
				1. Projects would not reduce economic damages or protect life and property.	
				0. Project could increase economic damages or result in potential impacts to life or property.	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?	1
			2	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.	
				1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.	
				0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?	1
			4	4. < \$150/af.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
				3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	0
			3	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1
			3	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3
			5	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	1
			3	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	0
			2	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	1
			2	2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	
5. Funding	5	0	10	Are the project funding sources well defined?	1
			2	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0
			1	1= Yes 0= No	
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	0
			2	2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1
			1	1= Yes 0= No	
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	1
			1	1= Yes 0= No	
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	1
			1	1= Yes	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Score
		low	high		
				<i>0= No</i>	
6. Climate Change Adaption	2	0	2	<i>Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?</i>	0
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	<i>Does the project affect greenhouse gas emissions in the region?</i>	1
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	<i>Does the project support expansion of renewable energy portfolio for the Region or State?</i>	1
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
IRWMP Goals					
Water Supply Goal		Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands			
1. Effect to agricultural users of water.	2	0	4	Does the project have an effect to water supplies historically available to agriculture?	2
			2	2. No impacts and clearly defined benefits to agricultural water supplies.	
				1. Some impacts and no benefits to agricultural water supplies.	
				0. Defined and identifiable negative impacts to agricultural water supplies.	
2. Improve Water Supply.	3	1	15	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	3
			5	5. >50,000 acre feet.	
				4. 25,001 to 50,000 acre feet.	
				3. 10,001 to 25,000 acre feet.	
				2. 5001 to 10,000 acre feet.	
				1. 0 to 5000 acre feet; yield or limited ability to firmly define.	
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0
			2	2. The project would provide for storage or use of Colorado River supply.	
				1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.	
				0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.	
4. Conserves Colorado River Supplies.	4	0	8	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	4
			2	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.	
				1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.	
				0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.	
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	4
			1	1. Projects would provide a source of supply and allow for reapportionment.	
				0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.	
6. Integrate Resource Management Strategies.	2	0	6	Will the project apply or integrate Resource Management Strategies?	2
			3	2. Integrates five or more RMS.	
				1. Integrates 3-5 RMS.	
				0. Less than three RMS.	
7. Plan Consistency.	2	0	4	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2
			2	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.	
				1. Moderate degree of consistency. Project concepts identified in GP or other plan.	
				0. Limited or no consistency with existing plan.	
8. Groundwater Rights.	1	0	2	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1
			2	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.	
				1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.	
				0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.	
Water Quality Goal		Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.			
1. Match Water Quality to use.	2	0	4	Would the project make beneficial use of poor quality water and provide economic benefits?	2
			2	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.	
				1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.	
				0. Project would not make beneficial use of poor quality water source water or provide economic benefits.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2
			2	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.	
				1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
				0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.	
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0
			2	2. Assists DACs to meet standards, address public health threats, and create economies of scale.	
				1. Assists DACs to meet standards, does not create economies of scale.	
				0: Does not assist DACs to meet drinking water standards or create economies of scale.	
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	2
			2	2. Project could benefit water quality of drains or rivers.	
				1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.	
				0. Project could have impacts on water quality of drains or rivers.	
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0
			2	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.	
				1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.	
				0. Does not help meet established TMDLs and does not implement stormwater BMPs.	
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?	4
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.	
				1. Project would not improve groundwater quality and would not protect existing water quality.	
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	0
			2	2. Project increases or improves habitat and could support mitigation of other project impacts.	
				1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.	
				0. Project does not increase or improve habitat.	
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0
			1	1. Integrates multiple design elements to provide multiple benefits.	
				0. Does not integrate multiple design elements or provide multiple benefits.	
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
Percent of IRWMP Goal=	4.6%				
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	2
			2	2. Project would reduce economic damages, protect life and property.	
				1. Projects would not reduce economic damages or protect life and property.	
				0. Project could increase economic damages or result in potential impacts to life or property.	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?	3
			2	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.	
				1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.	
				0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?	3
			4	4. < \$150/af.	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
				3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	0
			3	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	3
			3	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	6
			5	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	4
			3	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	0
			2	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	1
			2	2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	
5. Funding	5	0	10	Are the project funding sources well defined?	5
			2	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0
			1	1= Yes 0= No	
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	0
			2	2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	4
			1	1= Yes 0= No	
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	2
			1	1= Yes 0= No	
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	2
			1	1= Yes	

Project Reviewed: **HPUD WWTP Upgrade to Tertiary Treatment**Project Number: **1**Project Reviewer: **Melissa Cansdale/Sam Schaeffer Combo****Imperial IRWMP Project Evaluation and Ranking Criteria**

Criteria	Weight	Possible Score		Question/Performance Measures	Project Score
		low	high		
				<i>0= No</i>	
6. Climate Change Adaption	2	0	2	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	Does the project affect greenhouse gas emissions in the region?	1
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	Does the project support expansion of renewable energy portfolio for the Region or State?	2
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	

Project Reviewed: HPUD WWTP Upgrade to Tertiary TreatmentProject Number: 1Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo**Imperial IRWMP Project Evaluation and Ranking Criteria****Reviewer Two**

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
IRWMP Goals					
Water Supply Goal Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands					
1. Effect to agricultural users of water.	2	0	4	Does the project have an effect to water supplies historically available to agriculture?	
2			2. No impacts and clearly defined benefits to agricultural water supplies.		
			1. Some impacts and no benefits to agricultural water supplies.		
			0. Defined and identifiable negative impacts to agricultural water supplies.		
2. Improve Water Supply.	3	1	15	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1.2 MGD Capacity is equivalent to 1,344 AFY
5			5. >50,000 acre feet.		
			4. 25,001 to 50,000 acre feet.		
			3. 10,001 to 25,000 acre feet.		
			2. 5001 to 10,000 acre feet.		
			1. 0 to 5000 acre feet; yield or limited ability to firmly define.		
3. Protect Surface Water Rights, maintain Colorado River yields.	4	0	8	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	
2			2. The project would provide for storage or use of Colorado River supply.		
			1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.		
			0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.		
4. Conserves Colorado River Supplies.	4	0	8	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	Tertiary Treated water would be available for industrial demand.
2			2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.		
			1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.		
			0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.		
5. Support for in-lieu uses or substitution for Colorado River Water.	4	0	4	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	
1			1. Projects would provide a source of supply and allow for reapportionment.		
			0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.		
6. Integrate Resource Management Strategies.	2	0	6	Will the project apply or integrate Resource Management Strategies?	
3			2. Integrates five or more RMS.		
			1. Integrates 3-5 RMS.		
			0. Less than three RMS.		
7. Plan Consistency.	2	0	4	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	
2			2. Greatest degree of consistency. Projects clearly identified in GP or other plan.		
			1. Moderate degree of consistency. Project concepts identified in GP or other plan.		
			0. Limited or no consistency with existing plan.		
8. Groundwater Rights.	1	0	2	Will the project protect correlative groundwater rights or optimize the use of groundwater?	Project may offset an industrial demand of higher priority.
2			2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.		
			1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.		
			0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.		
Water Quality Goal Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	2	0	4	Would the project make beneficial use of poor quality water and provide economic benefits?	Project is to treat wastewater to match with industrial use to offset demand.
2			2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.		
			1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.		
			0. Project would not make beneficial use of poor quality water source water or provide economic benefits.		

Project Reviewed: HPUD WWTP Upgrade to Tertiary Treatment

Project Number: 1

Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments	
		low	high			
2. Support DACs- Wastewater.	1	0	2	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?		
2			2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.			
			1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.			
			0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.			
3. Support DACs- Drinking Water	4	0	8	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?		
2			2. Assists DACs to meet standards, address public health threats, and create economies of scale.			
			1. Assists DACs to meet standards, does not create economies of scale.			
			0: Does not assist DACs to meet drinking water standards or create economies of scale.			
4. Effect on Existing Waterways	2	0	4	Could the project affect the water quality of drains or rivers?	Treated water is designated for industrial use not environmental use.	
2			2. Project could benefit water quality of drains or rivers.			
			1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.			
			0. Project could have impacts on water quality of drains or rivers.			
5. Comply with Total Maximum Daily Loads (TMDLs)	1	0	2	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?		
2			2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.			
			1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.			
			0. Does not help meet established TMDLs and does not implement stormwater BMPs.			
6. Preserve or Improve	2	0	4	Would the project preserve or improve quality of groundwater resources?		
			2	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.		
				1. Project would not improve groundwater quality and would not protect existing water quality.		
				0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		
Environmental Protection and Enhancement Goal Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.						
1. Environmental Enhancements	3	0	6	Would the project increase or improve habitat or support mitigation of other impacts?	Based on Project Informatin, it is uncertain if Project will provide any regional suply for environmental water use or support habitat.	
2			2. Project increases or improves habitat and could support mitigation of other project impacts.			
			1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.			
			0. Project does not increase or improve habitat.			
2. Integrated Design Elements	2	0	2	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?		
1			1. Integrates multiple design elements to provide multiple benefits.			
			0. Does not integrate multiple design elements or provide multiple benefits.			
Flood Protection and Stormwater Management Goal Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.						
Percent of IRWMP Goal=		4.6%				
1. Reduce impacts from stormwater events	2	0	4	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?		
2			2. Project would reduce economic damages, protect life and property.			
			1. Projects would not reduce economic damages or protect life and property.			
			0. Project could increase economic damages or result in potential impacts to life or property.			
Strategic Considerations for IRWM Plan Implementation						
1. Public Acceptance/Public	3	0	6	Will the project be able to gain public support from the rate paying population?		
2			2. High degree of stakeholder support and low potential for conflicts within Imperial Region.			
			1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.			
			0. Limited or no stakeholder support and potential for conflicts within Imperial Region.			
2. Cost Effectiveness	3	1	12	Is the cost per acre foot of yield competitive with the other projects in the Region?		
4			4. < \$150/af.			

Project Reviewed: HPUD WWTP Upgrade to Tertiary Treatment

Project Number: 1

Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
				3. \$151 to \$300/af.	Rough annual costs of \$465 per AF for 20 years for the WWTP upgraded were estimated based on Project Information
				2. \$301 - \$450/af.	
				1. >450/af.	
3. Equitable cost sharing	2	0	6	Do the entities that receive the benefits pay for the costs of producing those benefits?	
3				2. All costs for new water would be paid for by new users; no effects on current rate base.	
				1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.	
				0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	
4. Promote Economic Development	3	1	9	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	
3				2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.	
				1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.	
				0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	
Readiness to Proceed Category					
1. Timeliness	2	1	10	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	
5				4. Immediate, < 1 Year.	
				3. Near Term, 1 to 3 Years to develop.	
				2. Mid-term, 3 to 6 Years to develop.	
				1. Long-term, >6 Years to develop.	
2. Technical Feasibility of Project	4	0	12	Does the project have technical documentation to evaluate the technical feasibility of the project?	
3				3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.	
				2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.	
				1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.	
				0. The project is conceptually defined, but has potential to help meet goals and objectives.	
3. Environmental Compliance	2	0	4	Does the project have environmental documentation and clearance?	
2				2. Existing studies and completed environmental documents.	
				1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.	
				0. There are no studies or completed environmental documentation.	
4. Permitting	1	0	2	Does the project have permits or a plan to obtain permits?	
2				2. The permits have been obtained or are in the process.	
				1. The permit requirements are known and there is a plan and schedule in place.	
				0. The permit requirements are not known and there is no plan or schedule.	
5. Funding	5	0	10	Are the project funding sources well defined?	
2				2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.	
				1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.	
				0. No financial plan and commitments established; no resources defined for maintenance and operations.	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	5	0	5	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	
1				1= Yes	
				0= No	
2. Involves multiple participants and stakeholders	2	0	4	Does the project include multiple stakeholders and participants?	
2				2. Projects involves four or more participants through agreements and funding.	
				1. Project involves two to four participants through agreements and funding.	
				0. Projects involves one stakeholder.	
3. Provides regional benefits	4	0	4	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	
1				1= Yes	
				0= No	
4. State Program Preferences	2	0	2	Does the project support meet the state preferences?	
1				1= Yes	
				0= No	
5. Statewide Priorities	2	0	2	Does the project support meet the statewide priorities?	
1				1= Yes	

Project Reviewed: HPUD WWTP Upgrade to Tertiary TreatmentProject Number: 1Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					Reviewer Two
Criteria	Weight	Possible Score		Question/Performance Measures	Reviewer Comments
		low	high		
				0= No	
6. Climate Change Adaption	2	0	2	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	
			1	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.	
				0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	
7. Greenhouse Gas Emissions Contribution- Project	1	0	1	Does the project affect greenhouse gas emissions in the region?	
			1	1. The project does not significantly contribute to the GHG emissions relative to other projects.	
				0. The project contributes to GHG emissions; and does not support renewable energy.	
8. Greenhouse Gas Emissions - Support to Renewable Energy	2	0	2	Does the project support expansion of renewable energy portfolio for the Region or State?	
			1	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.	
				0. The project does not support the expansion of renewable energy in the Region or state.	Project information indicates purpose is to provide a water supply for geothermal industry.

Project Reviewed:	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)
Project Number:	2
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		2	Project is to develop 50,000 AFY desalination plant to treat brackish surface water from the Alamo River or from IID drains.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	4		4	The project will treat brackish water from drain and deviler to suitable use. The Project Information does not define if the brackish drain water is in need of replacement or needs to be mitigated. The treated water would go to uses to offset delivery of CO River Water.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	1		2	Project provides use of CO River, but, does not provide for storage in District. CO River water is stored in the river system and exchange in delivery.
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.		There is potential for this project to be integrated with other projects to include storage.		
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		2	Desal of drain water results in water available for additional beneficial uses.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	Project would create a source of supply from brackish surface water from the Alamo River and IID drains, which conceivably substitutes Colorado River water.
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1		2	The produced water would be conveyed to IID conveyance facilities for distribution to agricultural users as a substitute for using Colorado River water. If ag users use groundwater this water supply could protect and optimize groundwater use.
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	1		2	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2		0	This project could assist in creating economic benefits by supplying a variety of projects with water as well as create a source of supply for ag users.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1		0	There is potential for assisting in creating an economy of scale if water is provided for industrial use.
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		2	The project is to treat drain water, not wastewater.
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)
Project Number:	2
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				Based on the Project Information, poor quality drain water is to be cleaned up using desal.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Not discussed on project submittal form.		Based on the Project Information, TMDLs or implementing a stormwater BMP not identified.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				Based on Project Information, project is to make available a reclaimed water supply thru desal of drain water source.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				No indication in the Project Information that the project will improve habitat.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				Uncertain based on Project Information
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	1		1	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Cost is listed as \$466/AF		
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		2	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on project submittal form.		It is anticipated all costs for desal of drain water would be paid thru fees for new industrial uses.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	2		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				Based on projections in Project Information, uncertain if and when geothermal energy will be developed.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	2		2	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Information included in Draft IID Plan		
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)
Project Number:	2
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				Project Information identifies IID only.
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.		This is discussed explicitly on the project submittal form.		

Project Reviewed: New River Bioremediation and Wildlife Habitat Restoration and Process Evaluation Project
 Project Number: 6
 Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1	The project does not propose to affect water supply for either agricultural or municipal use. The explanation of the project's water supply benefit appears to benefit ecosystem restoration more so than water supply.	1	The New River Bioremediation project, once operational, would supply water to an environment use and benefit agriculture thru improvement of water quality of the component of the New River that is related to ag return flows.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	No water supply amount is discussed.	0	No water supply yield estimate provided in project submittal form.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	The project lists GW storage as an aspect of a met DWR RMS, however no further information is provided at this time. It appears GW storage would be additive to this project, and not a direct goal of this project. This is not to say groundwater storage is not a viable option for clean water from this system at this time.	0	The location of the Project and connectivity to an underlying gw basin for storage of CO River Supply is not clearly defined.
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	No supporting documentation was provided at this time. There is a beneficial use for wetland habitats that is in herent in this project and this score will most likely change once supporting documentation is provided.	0	The Project would conserve local water thru conversion of poor quality water into supply usable for a new environmental demand/use. Therefore, it may not add to the CO River Supply since it is not being delivered in place of an existing ag demand.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	The project states the 'clean' water would be used for constructed wetlands developed for wildlife habitat restoration and therefore does not act as a substitute for Colorado River supplies.	0	See previous comment.
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2	This project claimed 14 Regional Management Strategies (RMS) were satisfied by this project. The finding of this researcher is the project meets 7 of the total RMS listed.	1	This Project has claims several RMS, however, they are not directly connected nor strongly supported.
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	0	Not discussed in the project submittal form.	1	Concept to reduce waste nutrients from tributaries entering the Salton Sea is supported in Salton Sea planning.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed in the project submittal form.	0	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2	The project hopes to treat New River water for habitat remediation.	1	Project is to evaluate field scale of treatment process and is expecting to provide some level of economic benefit.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	The direct benefit of this Project supporting DAC wastewater disposal is not clearly identified in the Project Information.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0	Drinking water standards are not discussed as a goal or benefit of this project.	0	The direct benefit of this Project supporting DAC drinking water standards is not clearly identified in the Project Information.
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2	Project intends to improve the water quality.	2	This Project is capable of positive effect on water quality of drain water.
	2. Project could benefit water quality of drains or rivers.				
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.				
	0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs and implement stormwater BMPs.				

Project Reviewed: New River Bioremediation and Wildlife Habitat Restoration and Process Evaluation Project
 Project Number: 6
 Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources? 2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	0	Project does not discuss TMDLs or stormwater BMPs.	1	Does not apply to Project
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts? 2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.	2		2	
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits? 1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.	0	Project intends to increase/improve habitats by constructing wetlands and removing waste nutrients from the water.	1	Project will improve habitat and could support mitigation of other project impacts.
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas? 2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.	1		1	
			The project does not appear to reduce or significantly affect economic damages or protect life or property from stormwater damages in particular.		Exact location of Project is unknown and stated purpose is primarily for water quality treatment, not flood retention.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population? 2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	0		0	
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region? 4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	0	Not discussed in the project submittal form.	0	None stated in the Project information
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits? 2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	0		2	
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities? 2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	1		1	
			This project has potential for creating jobs as well as new industries (fertilizers, energy source, nutraceuticals, etc.) if the evaluation yields favorable results.		Project information states potential for economic activity, limited documentation.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding? 4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	4		4	
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project? 3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.	1		1	Project sponsor is in place.
3. Environmental Compliance	Does the project have environmental documentation and clearance? 2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	1		0	
4. Permitting	Does the project have permits or a plan to obtain permits? 2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	1	This documentation was not provided to us.	0	Exact site location not identified.
5. Funding	Are the project funding sources well defined? 2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	1		1	Permits and env doc identified but not clearly known or scheduled
					Statement of a local cost match and proposed budget, but no documented funding source.
Other CDWR Statewide IRWMP Criteria					

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Project Number: 6
Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				Project lists other governmental agencies as funding sources.
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		1	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				Project information states ability to address DAC needs, which is not well supported and the project is not eligible for storm water and flood management funding.
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				Drought preparedness and DAC benefits are not supported.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				Very minimal positive effect.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	0		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.		This is unknown at this time. The production of methane as a byproduct could affect GHG levels in the region.		
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.		This is unknown at this time. It is a possibility.		Minimal component of potential for methane gas use.

Project Reviewed:	East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)
Project Number:	7
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria						
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments	
IRWMP Goals						
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands					
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2	Intent of project is to provide 25,000 afy of new supply, which could benefit ag water supplies.	2	Project is to develop 25 KAFY desalination using well field and groundwater.	
	2. No impacts and clearly defined benefits to agricultural water supplies.					
	1. Some impacts and no benefits to agricultural water supplies.					
	0. Defined and identifiable negative impacts to agricultural water supplies.					
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	3	25,000 afy as stated	3	The project will use desal to treat groundwater. The treated water would go to uses to offset delivery of CO River Water.	
	5. >50,000 acre feet.					
	4. 25,001 to 50,000 acre feet.					
	3. 10,001 to 25,000 acre feet.					
	2. 5001 to 10,000 acre feet.					
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.					
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	1		2	Project provides use of CO River, but, does not provide for storage in District. CO River water is stored in the river system and exchanged in delivery.	
	2. The project would provide for storage or use of Colorado River supply.					
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.					
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.					
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		2	Desal of groundwater results in water available for additional beneficial uses.	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.					
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.					
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.					
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1		
	1. Projects would provide a source of supply and allow for reapportionment.					
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.					
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2		
	2. Integrates five or more RMS.					
	1. Integrates 3-5 RMS.					
	0. Less than three RMS.					
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		1		
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.					
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.					
	0. Limited or no consistency with existing plan.					
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	2		1	Project matches desal of groundwater with non-agricultural uses. This project may not help to prevent and address overdraft since it is making use of groundwater, however, it depends on if the groundwater to be used as the desal supply is counted in the groundwater balance.	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.					
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.					
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.					
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2		2		
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.					
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.					
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.					
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1		0	The project is to desal groundwater, not wastewater.	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.					
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.					
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.					
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1		1	Project is to desal groundwater and has the possibility of addressing drinking water for DACs.	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.					
	1. Assists DACs to meet standards, does not create economies of scale.					
	0: Does not assist DACs to meet drinking water standards or create economies of scale.					
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1		
	2. Project could benefit water quality of drains or rivers.					

Project Reviewed:	<u>East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)</u>
Project Number:	<u>7</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				Based on the Project Information, groundwater is to be cleaned up using desal.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Not in project submittal form.		Based on the Project Information, TMDLs or implementing a stormwater BMP not identified.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	2		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				Based on Project Information, project is to make use of poor quality groundwater, but, not necessarily improve it or protect it.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				No indication in the Project Information that the project will improve habitat.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				Uncertain based on Project Information
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	1		1	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Listed cost at \$480/AF		
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		1	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed on project submittal form.		It is uncertain if all costs for desal of groundwater would be paid thru fees for new industrial uses or shared by local rate payers.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	2		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				Based on projections in Project Information, uncertain if and when new uses, such as, geothermal energy will be developed.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	2		2	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		IID Draft Plan		
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<u>East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)</u>
Project Number:	<u>7</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	City of Brawley Raw Water Storage Project
Project Number:	8
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	4		1	
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.		approximately 100 afy is estimated to be saved, and approximately 92 acre feet (30 MG) of storage would be available with the storage tank.		Project information predicts a 0.100 mgd saving from the WTP that will reduce demands from the CO River water system by 36.5 million gallons / year. This estimate is equivalent to 112 acft/yr.
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	1		0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.		There is potential for storage and extension of Colorado River supplies for a very limited amount of time.		Project provides an estimated 112 acft/yr saved water, but, does not add storage capacity of CO River Supply.
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				Project is a facility improvement that results in some water conservation, not necessarily a large scale water conservation measure.
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.		A very limited supply.		An estimated 112 acft/yr would be saved.
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	1		1	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.		City's capital improvement program.		Part of City of Brawley Capital Improvement Program
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0		1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.		Not applicable with this project.		
Water Quality Goal					
	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.		Uncertain if community is currently out of compliance. Possibility of creating a limited term economy of scale during construction, could assist in extending a small amount of Colorado River supply.		
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1		1	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.		Could potentially create a limited term economy of scale.		Improves performance of existing raw water treatment plant.
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	City of Brawley Raw Water Storage Project
Project Number:	8
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				Project is specific to meeting the needs of drinking water for DAC area.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Not applicable with this project.		
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				Based on Project Information, not enough evidence to score higher.
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	4		2	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		At \$4,000,000 over a 20 year period and assuming 92 afy, the approximate cost per acre foot of water would be \$108.		If the project cost was all associated with the saved water, then the cost per acft/yr saved as the "yield" is high. Cost of project associated with the local rate payer of volume of treated water was not provided in the Project Information, thus, a score associated with "low-cost" per acft was not justifiable.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on project submittal form.		Uncertain who will have ability to pay for costs.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		0	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Could create limited term construction jobs and a few permanent maintenance positions.		Constructing the improvements to the WTP would be the positive economic activity.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		1	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.				Although technical reports not completed, the scope of work is well know and have been completed in similar communities.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents.				

Project Reviewed:	City of Brawley Raw Water Storage Project
Project Number:	8
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.				Environmental documents are not expected to be difficult or complex.
4. Permitting	Does the project have permits or a plan to obtain permits? 2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	0		0	
5. Funding	Are the project funding sources well defined? 2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	0		0	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits? 1= Yes 0= No	0		0	
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants? 2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	0		1	IID and City of Brawley
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group? 1= Yes 0= No	0		0	Limited to area served by City of Brawley
4. State Program Preferences	Does the project support meet the state preferences? 1= Yes 0= No	1		1	Critical water supply needs of a DAC within region
5. Statewide Priorities	Does the project support meet the statewide priorities? 1= Yes 0= No	1		1	Addresses the safe drinking water needs of a DAC
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change? 1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change. 0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	1		0	
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region? 1. The project does not significantly contribute to the GHG emissions relative to other projects. 0. The project contributes to GHG emissions; and does not support renewable energy.	1		1	
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State? 1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state. 0. The project does not support the expansion of renewable energy in the Region or state.	0		0	

Project Reviewed:	City of Brawley Reclaim Water Project
Project Number:	9
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2	This project proposes to upgrade a treatment plant to relieve a 5.9 MGD demand currently on Colorado River water and provide a new source of water for industrial demand. However it is not clearly stated if that relief would benefit agricultural users specifically.	2	Project reduces competition for CO River Water
	2. No impacts and clearly defined benefits to agricultural water supplies. 1. Some impacts and no benefits to agricultural water supplies. 0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	2	5.9 mgd ~ 6,500afy	2	5.9 MGD converts to 6,500 AF/YR
	5. >50,000 acre feet. 4. 25,001 to 50,000 acre feet. 3. 10,001 to 25,000 acre feet. 2. 5001 to 10,000 acre feet. 1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply. 1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply. 0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use. 1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use. 0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.		As stated in the project submittal form the project would recycle water for use in a geothermal plant, as well as remain in compliance with its existing NPDES permit. Conservation is applicable through wastewater treatment.		Reason for score of 1 is the uncertainty of place for reclaimed water to be delivered. Once a geothermal plant is located to be built, project would score higher.
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	This project specifically states the water treated would alleviate Colorado River supply demand and be reapportioned as industrial demand for geothermal energy development, however this water is considered a "new" source of supply for (presumably) an as-yet built geothermal plant.	1	Although overall water balance may not change, the treated water could replace CO River Water deliveries to future geothermal, thus matching a reclaimed water to an industrial use.
	1. Projects would provide a source of supply and allow for reapportionment. 0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	1		1	
	2. Integrates five or more RMS. 1. Integrates 3-5 RMS. 0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	0		1	Project Information sheet unclear, however, reclaimed water project concepts are part of UWMPs.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan. 1. Moderate degree of consistency. Project concepts identified in GP or other plan. 0. Limited or no consistency with existing plan.		Unknown		
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Unknown	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers. 1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers. 0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				Project replaces demand for CO River Water; which reduces reliance on gw.
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2	Project intends to treat wastewater (poor quality source water) for the purposes of supporting geothermal energy development.	1	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits. 1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits. 0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	Unsure if community is out of compliance with requirements. This project could create an economy of scale and if it does not could in turn extend the Colorado River supply.	2	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply. 1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply. 0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0	The purpose of the project is not to provide drinking water to any community. The project could be altered to do so but does not at this time.	0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale. 1. Assists DACs to meet standards, does not create economies of scale. 0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2	Project intends to upgrade from secondary to	2	Increased level of treatment would provide some
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	City of Brawley Reclaim Water Project
Project Number:	9
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		reclaimed water standards as well as remain in compliance with NPDES, which indicates an added benefit.		benefit, however, the existing improvements are to meet NPDES Permit requirements; future improvements may not add more benefit.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Already complies with site specific NPDES and presumably in line with the RWQCB. Because the project intends to remain in compliance it does not improve compliance with established TMDLs or stormwater BMPs. Stormwater BMP compliance is unknown at this time.		
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Water from this project is intended for a geothermal plant and not for groundwater remediation, use, recharge, etc.		Project not directly improving gw quality; does match reclaimed water with use.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		Not included on the project submittal form.		
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.		Not included on the project submittal form.		
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.		Not included on the project submittal form.		
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.		This project intends to expand on the geothermal energy industry while reducing the demand on Colorado River supplies. This will potentially create an economic boost as well as alleviate agricultural pressures and possible		
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	4		4	Rough estimate ~\$100/AF additional cost based on total estimated costs stated in the Project Information Form of \$12,500,000. Roughly \$650,000 per year over 20 years for 6,500 af-yr yield. Or, ~100/af increase in cost for reclaimed water treatment.
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not included on the project submittal form. The project costs \$12.5 million and provides approximately 6,500 afy, over the course of 20 years the cost per acre foot would be approximately \$100.		
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		2	This is an assumption that the project would be paid for by those who benefit. It is not clearly defined in the Project Information sheet.
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not included on the project submittal form.		
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		If a geothermal plant is constructed based on the amount of water provided by this plant then yes. However, it should be a requirement that this water is used for that purpose to provide the most economic benefit to the region.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.		As provided on the project submittal form.		Funding sources are not developed or clearly identified.
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		This project has a draft alternative study as well as conceptual drawings, however no reconnaissance or feasibility study has been designed.		Draft alternative study and conceptual drawing are in place.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	City of Brawley Reclaim Water Project
Project Number:	9
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Not included on the project submittal form.		
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not included on the project submittal form.		
5. Funding	Are the project funding sources well defined?	1		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Not seeking Prop 84 or 1E funds, have obtained half of the total estimated cost.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes		Project intends to provide 5.9 mgd, maintain NPDES water quality standards as outlined in existing NPDES permit, assists in water conservation, and promotes economic development.		
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		0	
	1= Yes		Provides regional benefit in alleviating demand on Colorado River supplies.		
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes		This project can effectively resolve a significant water-related conflict by providing a water supply of 5.9 mgd and alleviating demand on Colorado River water.		Only meets 1
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes		This project uses and re-uses water more efficiently. This project should be integrated with the geothermal energy industry to meet the multi-benefit project.		Only meets 1
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		0	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.		Not included on the project submittal form.		
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.		Unknown		
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.		Yes, the project will provide a water supply for the purposes of expanding the geothermal energy industry in the region.		Project provides water supply to potential renewable energy.
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	City of Brawley Water Meter Project
Project Number:	12
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1	Project states a conservation of 1 mgd if implemented, which calculates to approximately 1,120 afy. Unsure of benefits to agricultural users, not specifically stated in the project submittal form. There COULD be a positive impact by offsetting the need for urban delivery and reappportioning water to agricultural users.	2	Conserved water reduces demand on CO River Water delivery.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	Only calculates to 1,120 afy, but does not truly provide a new supply as conserve an old one.	1	1MGD equates to 1120 AF/YR
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Does not discuss storage or use of the Colorado River Supply.	0	Project has potential to reduce demand of CO River Supply
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1	The project would adequately monitor usage throughout the city, however supporting documentation of a reasonable and beneficial use was not provided.	2	Water conservation resulting from metering is consistent with state requirements.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reappportionment within the Imperial Region?	0	It does not appear this project would create a source of supply, but would rather more closely monitor the use for which the water is already intended. It is not clear as to what other use the proposed savings would be used.	1	Project has potential to reduce demand of CO River Supply
	1. Projects would provide a source of supply and allow for reappportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reappportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	1	This project is eligible for 4 of the five RMS listed: 1. Conveyance Improvement-Yes-water meters will provide a representation of water use in the system and allow for conservation measures to be in place. 2. Urban Water Use Efficiency-Yes-monitors urban water use 3. Industrial Process Water Use Efficiency-Yes-monitors industrial use 4. Water Exchanges-Yes-an accurate representation of water use in the system will assist in water exchanges 5. Drinking Water Treatment-No-this project does not discuss improving water treatment or water quality	2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1	Project is identified in the Capital Improvement Plan for 2012	2	Capital improvement plan and metering in required element of UWMP
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Does not discuss groundwater.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0	Project does not intend to make beneficial use of poor quality water. Economic benefit may arise from meter use, however it is not stated in this project.	0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0	Not discussed in project submittal.	0	Meterinf of potable water, not wastewater.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		1	

Project Reviewed:	City of Brawley Water Meter Project
Project Number:	12
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	2. Assists DACs to meet standards, address public health threats, and create economies of scale. 1. Assists DACs to meet standards, does not create economies of scale. 0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers? 2. Project could benefit water quality of drains or rivers. 1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.	0	Not discussed in project submittal.	1	Help reduce cost of treatment by demand reduction.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs? 2. Improves compliance with established TMDLs and implement stormwater BMPs. 1. Improves compliance with established TMDLs or implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.	0	Monitoring how much water is flowing through the pipes, not the quality of that water.	0	Project has potential to reduce demand of CO River Supply, however, water would likely be delivered at additional industrial demand in future.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources? 2. Project would improve groundwater quality so that it can be used or would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.	0	Not discussed in project submittal.	1	Project not related to TMDL or stormwater BMPs.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts? 2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.	0	Not discussed in project submittal.	0	
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits? 1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.	0	Not discussed in project submittal.	0	
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas? 2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.	1	Not discussed in project submittal.	1	
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population? 2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.	0	Possible stakeholder protests over the monitoring of water use.	0	Payment capacity of rate payers is extremely low.
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region? 4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.	3	Not discussed in the project submittal form, however for a \$4 million dollar project and a 1,120 afy "yield" the possible cost per acre foot for the first year would be \$180 per acre foot for approximately 20 years. However, long term costs have not been calculated.	3	Based on rough calculation of spreading the \$4M cost in Project information over 20 years with a potential water savings of 1,120 AF/Yr, it will cost ~\$180/AF
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits? 2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.	0	Not discussed in the project submittal form.	0	It is expected these are rate payers within the district installing the meters.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities? 2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.	0		0	
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding? 4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.	4		4	
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project? 3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.	2		3	

Project Reviewed:	City of Brawley Water Meter Project
Project Number:	12
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		The project does not have technical reports and documentation, but does have a completed environmental review, regulatory approval, and a completed permitting process.		Urban water district metering is common frequent practice.
3. Environmental Compliance	Does the project have environmental documentation and clearance? 2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	2	Environmental review is complete.	2	Project only requires Cat Exclusion
4. Permitting	Does the project have permits or a plan to obtain permits? 2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	2	Yes, the City Building Permit.	2	Only need City permits
5. Funding	Are the project funding sources well defined? 2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	0	Not discussed in the project submittal form.	0	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits? 1= Yes 0= No	0	Provides only conservation benefits at this time.	0	Limited to urban water conservation thru metering.
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants? 2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	0		0	Project is for one DAC community; Requirement of State for communities to install meters.
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group? 1= Yes 0= No	0	If the project delivers the 1 mgd savings (1,120 afy) then that could help alleviate the regional demand on Colorado River water. However, it is unclear if this would be a regional credit, or a city credit.	0	Single DAC.
4. State Program Preferences	Does the project support meet the state preferences? 1= Yes 0= No	1		1	Two of the preferences.
5. Statewide Priorities	Does the project support meet the statewide priorities? 1= Yes 0= No	1		1	Two of the priorities.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change? 1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change. 0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	1	Water metering would allow for quantifying the amount of water used and provide an avenue for further water conservation efforts if climate change affects the region.	1	Project helps with climate change thru water demand reduction.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region? 1. The project does not significantly contribute to the GHG emissions relative to other projects. 0. The project contributes to GHG emissions; and does not support renewable energy.	1		1	
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State? 1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state. 0. The project does not support the expansion of renewable energy in the Region or state.	0		0	

Project Reviewed:	Keystone Water Reclamation Facility
Project Number:	13
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not discussed in the project submittal form.	2	First phase of this facility supplies 2.5 MGD or 2,800 acre-feet/year of treated wastewater or storm water to non-agricultural uses.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	Project intends to provide 2.5 mgd (~3,000 afy) of treated water for heavy industrial use.	1	Project's first phase contributes 2,800 acre-feet/year; up to 16,800 acre-feet/year at project buildout of 15MGD. However, presently no municipal, commercial, or industrial demands are realized or under contract for delivery of this reclaimed water supply.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not discussed in the project submittal form.	0	Project has potential to off-set future CO River deliveries to non-agricultural uses.
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1	Water conservation measures in terms of treating existing wastewater and stormwater for the purposes of industrial use (beneficial use).	1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	Project does not provide a source of supply as a substitute for a current use, but intends to provide a source of supply for a future use.	1	First phase of this facility supplies 2.5 MGD or 2,800 acre-feet/year of treated wastewater or storm water to non-agricultural uses.
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2	Removed Multi-purpose flood management from the list of selected RMS as it does not appear this facility would assist in major flood control.	2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	0	Not discussed in the project submittal form.	2	County of Imperial has set aside an area known as Mesquite Lake Specific Plan. The City is in final stages of property acquisition.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed in the project submittal form.	2	Project matches reclaimed water with non-agricultural uses that are not presently part of the overlying groundwater users. This helps to prevent and address overdraft as long as the wastewater and stormwater were not already part of the water balance.
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2	Source water is wastewater and stormwater runoff that is currently un-used and would be used for industrial purposes.	1	Investment in treatment is necessary to match quality of source water to future demand.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	2	This project will meet all provisions of CA Title 22 requirements, could assist in an economic boost by providing heavy industrial plants with a water source, as well as treat wastewater/stormwater.	2	Creation of the economies of scale are in planning stages, not realized until industrial uses are constructed.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1	This project could assist in creating an economy of scale and does not in itself create an economy of scale, however does not state the water will be of a drinking water level.	0	Project receives wastewater and stormwater; does not address drinking water for DACs.
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1	Water is stated as having an intended use and the project does not indicate drains or rivers will be affected. It is probable the water will benefit water	1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	Keystone Water Reclamation Facility
Project Number:	13
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		Based on the Project Information, direct benefit to the water quality of a drain or river is not identified.		
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0	Not discussed in the project submittal form.	0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0	Not discussed in the project submittal form.	1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		1	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		There appears to be minimal intent to improve habitat with water treated by this facility. Most discussion revolves around heavy industrial or recreational uses.		No indication in the Project Information that improved habitat could be used for mitigation of other project impacts.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	1	The project offers landscape irrigation, parks, golf courses, or other recreational uses as benefits this water could be used for, but does not include them as part of the project. However it is stated the project will incorporate constructed wetlands.	1	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.		Not discussed in the project submittal form.		
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.		The possibility of job creation may provide an avenue for stakeholder support, however the possibility for revenue may be		
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	1		1	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		The project will provide 2.5 mgd (~3,000 afy) and cost \$65 million. The cost per acre foot over a period of 20 years will be approximately \$1,100.		Hard to determine based on the Project Information provided; rough calculation of \$65M for cost of a project divided by 2800 AF/YR to 16,800 AF/YR over a 20 year period results in \$1,160 to \$194 range in cost per acre-foot.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	1		2	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		A tiered rate structure is currently in place (with water smart readers). Those methods will continue to be used for servers connected to the Keystone Water Reclamation Facility.		It is anticipated all costs for reclaimed water supply would be paid thru fees for new industrial uses.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				Based on projections in Project Information
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		The project has completed the Draft environmental document (MND). The final design is 90% complete.		Project stated as 90% design completed
3. Environmental Compliance	Does the project have environmental documentation and clearance?	1		1	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.		The draft environmental study is not finalized at this		

Project Reviewed:	Keystone Water Reclamation Facility
Project Number:	13
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		time. 3 - 6 months		Draft MND circulated and comments received.
4. Permitting	Does the project have permits or a plan to obtain permits?	1		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.		The project will require building permits from Imperial County, RWQCB, and NPDES. A schedule is planned.		
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Documentation not provided, however local funding is secured and a plan in place to schedule and finalize project funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	2		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes		Removed "Climate Change" and "Environmental Stewardship" as those two items are not expressly discussed on the project submittal form.		
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	<i>IID Systems Conservation and Improvements Projects for IWSP</i>
Project Number:	<i>14</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1		2	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				Impacts of conserved water are identified and required mitigation for any project implementation.
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	2		2	
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.		8,000 afy is stated in the project submittal form.		Stated yield of 8,000 ac-ft/yr.
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	2		2	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	2		2	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				Project is to conserve water thru implementation of conservation measures; implementation will require mitigation for reduction of drain flow that supports habitat.
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.		Interim Water Supply Plan, consistent with a variety of plans, including the General Plan.		Although not mentioned by specific project components, conservation measures are the basis of water conservation actions mentioned in several planning documents .
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	2		2	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal					
	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	1		2	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.		Unclear if water requires treatment prior to delivery, however end users/beneficial use not identified, although stated as industrial.		The project information indicates the conserved water would be from tailwater or dains and be delivered to new uses. It is not clear if the conserved water will require treatment prior to delivery to the new use. It is clear the new use is not drinking water use; it is most likely to be used for cooling purposes for alternative energy.
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				Although this project has the potential to provide a stored water supply and extend the CO River supply, it does not assist in meeting wastewater disposal and permit requirements, therefore, the score remained zero.
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				This project would assist with water supply for alternative energy projects, which may benefit DAC economy.
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<i>IID Systems Conservation and Improvements Projects for IWSP</i>
Project Number:	<i>14</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				The project effect has been identified and mitigation for this affect is part of the total cost per ac-ft of the estimated yield.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				Project is to conserve water thru implementation of conservation measures of surface or drain water not necessarily directly affecting quality the groundwater.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				Project has to fund mitigation for effect to habitat to remain neutral.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		2	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.		Not provided on project submittal form.		Based on the high ranking of the Goal and Objective, this suggests high degree of Stakeholder support
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	1		1	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Listed as \$590 per acre foot, with an additional \$90 per acre foot for mitigation purposes.		Based on the Project Information, it is not clear if the \$590/AF cost is a one-time capital cost for the 8,000 AFY yield. If it is, then the project cost per ac-ft could be spread out over at least 20 year life of the project or more, could reduce the cost per ac-ft of yield, and thus raise this category to the highest rank of 4.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.				At the present level of planning, it is uncertain regarding the defined method of distributing costs based on the Project Information provided to date.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	2		2	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		This project could assist in an alternative energy portfolio for the region and would therefore assist in creating an economy of scale.		Documentation includes a tech memo regarding potential economic activity resulting from this project.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		1	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.				
3. Environmental Compliance	Does the project have environmental documentation and clearance?	2		2	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<i>IID Systems Conservation and Improvements Projects for IWSP</i>
Project Number:	<i>14</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	1		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	2		2	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.		No other stakeholders are listed.		
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				Conserved water would potentially benefit all water users in Region.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				Conserved water will be available as a firm water supply to support other uses, such as, alternative energy development.
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	<i>Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :</i>
Project Number:	15
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal		Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands			
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1	No impacts and no benefits to water supply.	1	The project, once operational, would require a supply or water, which may be reclaimed water.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	No water supply yield estimate provided in project submittal form; this project is more of a new use or reuse of water that is reclaimed.	0	No water supply yield estimate provided in project submittal form; this project is more of a new use or reuse of water that is reclaimed.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	The project is to make use of water or reuse reclaimed water; storage is accomplished in the CO River System.	0	The project is to make use of water or reuse reclaimed water; storage is accomplished in the CO River System.
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	The Project would conserve local water by making use of water in less quantity than previous land use or by reuse of reclaimed supply.	1	The Project would conserve local water by making use of water in less quantity than previous land use or by reuse of reclaimed supply.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	See previous comment, although, in the case of replacing an ag crop with higher water use, then it could provide some supply. The Project Information is not definitive enough to score higher.	0	See previous comment, although, in the case of replacing an ag crop with higher water use, then it could provide some supply. The Project Information is not definitive enough to score higher.
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		1	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	0	Not answered on the project submittal form.	0	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0		0	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal		Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.			
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2	Project is the end use of a poor quality water that has been treated/reclaimed and it would provide some level of economic benefit.	1	Project is the end use of a poor quality water that has been treated/reclaimed and it would provide some level of economic benefit.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<u>Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :</u>
Project Number:	<u>15</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		Project intends to use existing quality and not improve it.		
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				Based on the Project information, it will make use of a supply or reuse of reclaimed water.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	1		1	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				Project has potential to improve habitat.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				Exact location of Project is unknown and stated purpose is primarily for lower water use crop substitution or reuse of treated water, not flood retention.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				None stated in the Project information
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		4	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not provided on project submittal form.		No cost per af of water yield provided in Project information. It is possible the project pays for the water it receives, therefore, a higher score was given.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		2	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on project submittal form.		Since all identified funding is for a demonstration site, and it is requested as a grant with no local cost share, no effect on current rate base.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				Project information states potential for positive economic activity.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.		Could be completed within one year. Ready to construct.		Project sponsor is ready, funding is not in place.
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Documents not provided.		Project is a demonstration level site.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	1		1	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.		If funding is received through the IRWMP process, a		

Project Reviewed:	<i>Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :</i>
Project Number:	15
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		CEQA document would be prepared		May not be required for this scale.
4. Permitting	Does the project have permits or a plan to obtain permits?	0		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not required for proposed scale.		Likely categorical exemption under CEQA may e required for this scale.
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Seeking Prop 84/1E funding.		Statement of a local cost match and proposed budget, but no documented funding source.
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				Very minimal positive effect.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	<u>Ave 72, Martinez Canyon Groundwater Storage Project</u>
Project Number:	<u>18</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		2	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	4		3	
	5. >50,000 acre feet.		Project has identified 40,000 afy as a possible storage amount.		Although the Project Information states a capacity estimated at 40,000 af annually, it does not state an annual average Yield, therefore, level 3 for project yield was selected based on observation that every year may not utilize the full 40,000 af capacity.
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	2		2	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				Groundwater banking conserves water by allowing storage of surface supplies at time when surface supplies cannot be delivered to a coincident demand. The Project is being ranked similar to other water saving projects.
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				Although not mentioned by project name, groundwater banking in CWD for IID is mentioned.
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1		2	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.		If the study finds groundwater storage feasible then there is a possibility groundwater rights will be optimized/protected.		
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<i>Ave 72, Martinez Canyon Groundwater Storage Project</i>
Project Number:	<i>18</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		2	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		The project is currently unknown to be feasible. The project says nothing of improving groundwater quality and only discusses a groundwater facility.		
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		2	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				Based on the high ranking of the Goal and Objective, this suggests high degree of Stakeholder support
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	4		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not well defined at this time.		Uncertain based on lack of defined cost information provided in the Project Information sheet
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on the project submittal form.		Uncertain based on lack of defined cost information provided in the Project Information sheet
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		2	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		If the feasibility study shows a groundwater recharge facility is viable there is potential for measurable economic benefits to the region.		Documentation includes a tech memo regarding potential economic activity resulting from this project.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		1	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.				
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<u>Ave 72, Martinez Canyon Groundwater Storage Project</u>
Project Number:	<u>18</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Not applicable with this project.		
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not applicable with this project.		
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Project seeks Prop 84/1E funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				
	0= No				Project is focused on Water supply
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				Stored water would potentially benefit all water users in Region.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				Stored water will be available as a firm water supply to support alternative energy development.

Project Reviewed:	Ave. 62, Thomas Levy Recharge Site.
Project Number:	19
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		2	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	4		3	
	5. >50,000 acre feet.		Project has identified 20,000 - 30,000 afy as a possible storage amount.		Although the Project Information states a capacity estimated at 20,000 to 30,000 af annually, it does not state an annual average Yield; level 3 for project yield was selected, however, every year may not utilize the full capacity.
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	2		2	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				Groundwater banking conserves water by allowing storage of surface supplies at time when surface supplies cannot be delivered to a coincident demand. The Project is being ranked similar to other water saving projects.
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				Although not mentioned by project name, groundwater banking in CWD for IID is mentioned in several planning documents.
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1		2	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.		If the study finds groundwater storage feasible then there is a possibility groundwater rights will be optimized/protected.		
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<u>Ave. 62, Thomas Levy Recharge Site.</u>
Project Number:	<u>19</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		2	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		The project is currently unknown to be feasible. The project says nothing of improving groundwater quality and only discusses a groundwater facility.		
Environmental Protection and Enhancement Goal					
1. Environmental Enhancements	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses. Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		2	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				Based on the high ranking of the Goal and Objective, this suggests high degree of Stakeholder support
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	4		3	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not well defined at this time.		Uncertain of cost per af based on the cost information provided in the Project Information sheet. However, if project is between \$20M - \$25M and yields average annual of 5,000 to 10,000 af, then it is in the item 3 range.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on the project submittal form.		Uncertain based on lack of defined cost information provided in the Project Information sheet
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		2	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		If the feasibility study shows a groundwater recharge facility is viable there is potential for measurable economic benefits to the region.		Documentation includes a tech memo regarding potential economic activity resulting from this project.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.				Project has been studied and modeled, but, no engineering designs completed.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		1	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<u>Ave. 62, Thomas Levy Recharge Site.</u>
Project Number:	<u>19</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Not applicable with this project.		
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not applicable with this project.		
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Project seeks Prop 84/1E funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				
	0= No				Project is focused on Water supply
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				Stored water would potentially benefit all water users in Region.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				Stored water will be available as a firm water supply to support alternative energy development.

Project Reviewed:	East Mesa Groundwater Storage Project
Project Number:	20
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		2	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	4		4	
	5. >50,000 acre feet.		Project has identified 40,000 afy as a possible storage amount.		If East Mesa proves to be a suitable site for an IID groundwater storage project, it may provide a Project yield that is expected to be in the 40,000 to 60,000 acre-feet per year range. At this time it is uncertain, thus, I've scored it a level lower than the highest.
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	2		2	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				Groundwater banking conserves water by allowing storage of surface supplies at time when surface supplies cannot be delivered to a coincident demand. The Project is being ranked similar to other water saving projects since it is a planning project not fully realized.
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				Although not mentioned by project name, groundwater banking is mentioned in several planning documents .
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1		2	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.		If the study finds groundwater storage feasible then there is a possibility groundwater rights will be optimized/protected.		
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				Although this project has the potential to provide a stored water supply and extend the CO River supply, it does not assist in meeting wastewater disposal and permit requirements, therefore, the score remained zero.
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				This project would assist with water supply for alternative energy projects, which may benefit DAC economy.
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	East Mesa Groundwater Storage Project
Project Number:	20
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.				
	0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.				
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.				
	0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		2	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.				
	1. Project would not improve groundwater quality and would not protect existing water quality.		The project is currently unknown to be feasible. The project says nothing of improving groundwater quality and only discusses a groundwater facility.		
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts.				
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.				
	0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits.				
	0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property.				
	1. Projects would not reduce economic damages or protect life and property.				
	0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		2	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.				
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.				
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	4		3	
	4. < \$150/af.				
	3. \$151 to \$300/af.				
	2. \$301 - \$450/af.				
	1. >450/af.		Not well defined at this time.		
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base.				
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.				
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided on the project submittal form.		
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		2	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.				
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.				
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		If the feasibility study shows a groundwater recharge facility is viable there is potential for measurable economic benefits to the region.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		3	
	4. Immediate, < 1 Year.				
	3. Near Term, 1 to 3 Years to develop.				
	2. Mid-term, 3 to 6 Years to develop.				
	1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.				
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.				
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.				
	0. The project is conceptually defined, but has potential to help meet goals and objectives.				
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents.				
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<i>East Mesa Groundwater Storage Project</i>
Project Number:	<i>20</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Not applicable with this project.		
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not applicable with this project.		
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Project seeks Prop 84/1E funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				
	0= No				Project is focused on Water supply
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				Stored water would potentially benefit all water users in Region.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				Stored water will be available as a firm water supply to support alternative energy development.

Project Reviewed:

East Mesa Groundwater Storage Project

Project Number:

20

Project Reviewer:

Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments

Project Reviewed:	Painted Canyon Groundwater Storage Project
Project Number:	21
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		2	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	5		4	
	5. >50,000 acre feet.				Although the Project Information states a capacity estimated at 80,000 to 100,000 af annually, it does not state an annual average Yield, therefore, level 4 for project yield was selected based on observation that every year may not utilize the full 80,000 to 100,000 af capacity.
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	2		2	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				Groundwater banking conserves water by allowing storage of surface supplies at time when surface supplies cannot be delivered to a coincident demand. The Project is being ranked similar to other water saving projects.
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	1		1	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		1	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				Although not mentioned by project name, groundwater banking in CWD for IID is mentioned.
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	2		2	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal					
	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.		Not discussed on project submittal form.		
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.		Not discussed on project submittal form.		
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.		Not discussed on project submittal form.		
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<i>Painted Canyon Groundwater Storage Project</i>
Project Number:	<i>21</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.		Not discussed on project submittal form.		
	0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0	Not discussed on project submittal form.	0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.				
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.				
	0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1	Not discussed on project submittal form.	2	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.				
	1. Project would not improve groundwater quality and would not protect existing water quality.				
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts.				
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.				
	0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits.				
	0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property.				
	1. Projects would not reduce economic damages or protect life and property.				
	0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		2	Based on the high ranking of the Goal and Objective, this suggests high degree of Stakeholder support
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.				
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.				
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0	No cost is provided on the project submittal form.	0	Uncertain based on lack of defined cost information provided in the Project Information sheet; Cost estimate for feasibility study was provided.
	4. < \$150/af.				
	3. \$151 to \$300/af.				
	2. \$301 - \$450/af.				
	1. >450/af.				
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0	Not discussed on project submittal form.	0	Uncertain based on lack of defined cost information provided in the Project Information sheet
	2. All costs for new water would be paid for by new users; no effects on current rate base.				
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.				
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.				
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	2		2	Documentation includes a tech memo regarding potential economic activity resulting from this project.
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.				
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.				
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4	Project is a feasibility study.	3	The Feasibility Study phase can be implemented immediately.
	4. Immediate, < 1 Year.				
	3. Near Term, 1 to 3 Years to develop.				
	2. Mid-term, 3 to 6 Years to develop.				
	1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.				
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.				
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.				
	0. The project is conceptually defined, but has potential to help meet goals and objectives.				
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents.				
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<i>Painted Canyon Groundwater Storage Project</i>
Project Number:	<i>21</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	0		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	0		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				Project is to provide water banking capacity for water supply.
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	
	1= Yes				Stored water would potentially benefit all water users in Region.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		1	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				Stored water will be available as a firm water supply to support alternative energy development.
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	Water distribution storage tanks, 2 each SMG
Project Number:	32
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not provided in the project submittal form.	1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	Would provide storage of approximately 30 acre feet.	0	The purpose of this project is health and safety. Also to provide better fire flow protection. No water yield contribution is realized.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	Does not implement water conservation measures, would only set aside enough water for emergencies.	0	Drinking water health and safety project.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	The project would merely store a supply that would already be used for its intended purpose and not create a new one.	0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	1		1	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1	The project is consistent with the goals of the City of El Centro's General Plan PF-10 pg A-12. The project is further consistent with the City's Water Master Plan and is identified in the City's Capital Improvement Program	2	This project is identified in local plans, however, due to the cost the local community is unable to fund it.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Unclear if groundwater is the source of water to be stored. If it were there is potential for this.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal					
Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	1	Project would provide beneficial use for water that is already treated.	0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		2	Resolves health and safety issue of drinking water system and provides fire protection.
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	Water distribution storage tanks, 2 each SMG
Project Number:	32
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				Project is specific to meeting the needs of drinking water for DAC area.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.					
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				Project adds fire protection and not protection from flooding.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				The project may be favorably supported, however, the rate paying population is limited by capacity to pay. Thelocal population does not have the capacity to pay.
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Cannot calculate this value because it is unknown how many acre feet would travel through the tanks if storage water required use.		This project does not produce additional water supply, it is to provide fire protection.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided in project submittal form.		Uncertain who will have ability to pay for project costs.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	0		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				A storage tank project can be designed and built over a short time-frame, however, additional funding is needed.
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		The City has a rate study that identifies the project. It is removed from the study for lack of funding.		Preliminary Engineering Report completed, but, incomplete design.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		1	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	Water distribution storage tanks, 2 each SMG
Project Number:	32
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	1		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Seeking Prop 84/1E funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		0	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes				Limited to one city.
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				One, critical water supply needs of DAC within region
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				One, addresses the safe drinking water needs of a small DAC
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		0	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	Holtville Water Distribution System Project
Project Number:	34
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1	Presumably if the project will provide potable water services to 96 homes (with the hope to build more) will increase the need for urban water which could conceivably affect agricultural water. The water source is not clearly defined, nor if that water is already appropriated for this use.	1	
	2. No impacts and clearly defined benefits to agricultural water supplies. 1. Some impacts and no benefits to agricultural water supplies. 0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1		0	
	5. >50,000 acre feet. 4. 25,001 to 50,000 acre feet. 3. 10,001 to 25,000 acre feet. 2. 5001 to 10,000 acre feet. 1. 0 to 5000 acre feet; yield or limited ability to firmly define.		Does not indicate a new supply for users.		
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply. 1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply. 0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.		Does not indicate groundwater storage or underruns.		
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use. 1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use. 0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.		Water conservation is not discussed as a goal of this project.		Drinking water service area consolidation project.
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	
	1. Projects would provide a source of supply and allow for reapportionment. 0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.		As described the project would not be a source of new supply or a substitute supply.		
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		0	
	2. Integrates five or more RMS. 1. Integrates 3-5 RMS. 0. Less than three RMS.		There is opportunity to provide water for recycling with this project if it is incorporated with a treatment facility.		
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan. 1. Moderate degree of consistency. Project concepts identified in GP or other plan. 0. Limited or no consistency with existing plan.		Identified in the City General Plan Land Use Element (see form)		
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0		1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers. 1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers. 0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.		Not discussed on project submittal form.		
Water Quality Goal					
	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits. 1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits. 0. Project would not make beneficial use of poor quality water source water or provide economic benefits.		Not discussed on project submittal form.		
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	Community is identified as being out of compliance with either no access to potable water and using polluted open channels as a water source, or are connected to potable water services outside of adopted development standards. An economic benefit may be created IF the land is developed, however that is not guaranteed at this time. There is opportunity for a treatment plant or recycling opportunities at end-use of this community. This option could be explored further.	0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply. 1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply. 0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1		2	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale. 1. Assists DACs to meet standards, does not create economies of scale. 0: Does not assist DACs to meet drinking water standards or create economies of scale.		Brings a DAC into compliance by providing potable water using adopted development standards. The economy of scale as yet is uncertain. Could improve this score with a proven economic benefit.		Consolidation of drinking water system and provides fire protection.
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.		It is foreseeable providing a potable water system to houses would assist with the quality of water in drains and rivers, however that aspect is not		

Project Reviewed:	Holtville Water Distribution System Project
Project Number:	34
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		Not discussed on project submittal form. Specifically discussed in the project submittal form. Would this project also include "return services"? If so then the water leaving these homes could be		
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Not discussed on project submittal form.		Project is specific to meeting the needs of drinking water for DAC area.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Not discussed on project submittal form.		
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		Not discussed on project submittal form. It is conceivable if the quality of drain water is improved the habitat could also be improved.		
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.		Not discussed on the project submittal form.		
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.		Not discussed on the project submittal form.		
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.		The purpose of the project (bringing potable water to people who do not have it) would appear to garner stakeholder support due to its altruistic nature. Unsure of conflict potential due to uncertainty of water source. Documentation of where the water comes from would be pertinent.		
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	1		0	This project does not produce additional water supply, it is to replace unreliable supply with a reliable, good quality supply thru consolidation of potable drinking water system which also provides fire protection. 96 households would be connected. Rough cost estimate is over \$132/mo per household base on 20 years spread of estimated cost stated in Project Information.
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not discussed on the project submittal form.		
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		1	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed on the project submittal form.		Uncertain who will have ability to pay for costs.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Possible economic benefits IF the unused acres are developed.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	1		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.		If funding is provided this project would be ready to go and take 1 - 3 years to complete.		
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	3		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		A preliminary engineering report is complete (2010) and identifies existing conditions and proposed improvements, however it is not finalized.		Preliminary Engineering Report completed
3. Environmental Compliance	Does the project have environmental documentation and clearance?	2		2	

Project Reviewed:	Holtville Water Distribution System Project
Project Number:	34
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.		City has completed Environmental Review, NEPA Environmental Information Document, and CEQA MND, complete as of 2010.		
4. Permitting	Does the project have permits or a plan to obtain permits?	1		2	
	2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.		Pending ministerial and encroachment permits are scheduled to be obtained during the construction phase.		
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.		Project seeks Prop 84/1E funds and a plan is in place to finalize project funding.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits? 1= Yes 0= No	1	Project could provide economic benefits as well as provide clean water to a DAC.	0	
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants? 2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	0	Participating agencies are EPA and BECC however they are not stakeholders.	1	
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group? 1= Yes 0= No	0	Single limited stakeholder group (the DAC that is directly affected). However the possibility of economic growth could provide a regional benefit in terms of jobs. That is not listed as a definitive outcome of this project, though.	0	Limited to area serving 96 households
4. State Program Preferences	Does the project support meet the state preferences? 1= Yes 0= No	1		1	One, critical water supply needs of DAC within region
5. Statewide Priorities	Does the project support meet the statewide priorities? 1= Yes 0= No	1		1	One, addresses the safe drinking water needs of a small DAC
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change? 1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change. 0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	0	The project could do this if recycling or conservation measures were implemented (metering).	0	
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region? 1. The project does not significantly contribute to the GHG emissions relative to other projects. 0. The project contributes to GHG emissions; and does not support renewable energy.	1		1	
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State? 1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state. 0. The project does not support the expansion of renewable energy in the Region or state.	0		0	

Project Reviewed:	Holtville Wastewater Treatment Plant Improvement Project
Project Number:	35
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not discussed on the project submittal form.	1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	0	.85 mgd ~ 1,000 afy. This project will not supply a new source of water, merely upgrade an existing source to meet NPDES requirements.	0	
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not discussed on the project submittal form.	0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	There is opportunity for this project to implement water conservation measures through the upgrade (metering).	0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	This project is merely to upgrade treatment of an existing supply.	0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0	Project currently meets one RMS. This project could meet more if it is integrated with other projects, or expands its purpose to meet more RMS.	0	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2	Consistent with the City General Plan, City Service Area Plan, City Capital Improvement Program (2010).	2	CA RWQCB has issued a Cease and Desist Order regarding the WWTP NPDES permit.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed on the project submittal form.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0	Unsure of the economic benefits of the treated water. Environmental benefits are a cleaner waterway system, however the end-use of the water is not listed. If it is to treat the water for delivery downstream what are the delivery requirements (volume) of the plant remaining in operation? If there is no current economic beneficial use for this water, what would be the beneficial economic use of the water provided by the upgraded plant? How many homes/businesses could be served vs. how many currently are.	0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	This project will bring a DAC into compliance with requirement with the upgrade, however whether an economy of scale will be created or an extension of Colorado River supplies remains to be seen. No significant permanent economic benefit is listed as a result of this project. Presumably the water currently treated by this plant is already allocated. If treating this water could provide a recycled use then Colorado River supply extension is feasible.	1	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0	The treatment plant will not assist this DAC in meeting drinking water standards, however it will	0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				

Project Reviewed:	Holtville Wastewater Treatment Plant Improvement Project
Project Number:	35
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria						
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments	
	0: Does not assist DACs to meet drinking water standards or create economies of scale.		bring the treatment plant into compliance with the existing NPDES permit.			
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		2		
	2. Project could benefit water quality of drains or rivers.		The treated water drains into Pear Drain, a tributary to the Alamo River (a tributary to the Salton Sea). Bringing treated water into compliance will conceivably benefit the water quality of the drain and river.			
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.					
	0. Project could have impacts on water quality of drains or rivers.					
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	1		0		
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.		Stormwater BMPs are only discussed as part of the construction phase, however improving the water quality will conceivably assist in compliance to established TMDLs.			
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.					
	0. Does not help meet established TMDLs and does not implement stormwater BMPs.					
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		2		
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.		Not discussed on the project submittal form.			
	1. Project would not improve groundwater quality and would not protect existing water quality.					
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.					
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.					
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	1		1		
	2. Project increases or improves habitat and could support mitigation of other project impacts.		Improving the discharge quality will improve habitat, primarily for the Alamo River and the Salton Sea. Other project impacts are unknown.		Based on Project Informatin, it is uncertain if Project can provide any regional support for mitigation of other project impacts.	
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.					
	0. Project does not increase or improve habitat.					
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0		
	1. Integrates multiple design elements to provide multiple benefits.					
	0. Does not integrate multiple design elements or provide multiple benefits.					
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		2		
	2. Project would reduce economic damages, protect life and property.		Not discussed on the project submittal form.			
	1. Projects would not reduce economic damages or protect life and property.					
	0. Project could increase economic damages or result in potential impacts to life or property.					
Strategic Considerations for IRWMP Plan Implementation						
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1		
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.		Minimal stakeholder support as the stakeholders cannot afford it.			
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.					
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.					
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	2		0		
	4. < \$150/af.		The project costs \$6,149,000. Over the course of 20 years, at a flow rate of approximately 1,000 afy the cost would be approximately \$308 per acre foot.		Rough annual costsof \$181 per household for 20 years for the WWTP upgraded were estimated based on Projec Information; it appears	
	3. \$151 to \$300/af.					
	2. \$301 - \$450/af.					
	1. >450/af.					
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		2		
	2. All costs for new water would be paid for by new users; no effects on current rate base.		Not discussed on the project submittal form.			
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.					
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.					
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1		
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.		Economic benefits appear to be limited to the construction period. "If the WWTP is not rehabilitation and upgraded in the near future, planned residential, commercial and/or industrial projects may be restricted and not be permitted for development due to capacity issues." If the plant has such a limited capacity (.85 MGD), then there is limited opportunity for economic growth. The economic growth and benefit could be discussed in more detail and documentation could be provided to substantiate this claim.			
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.					
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.					
Readiness to Proceed Category						
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3		4		
	4. Immediate, < 1 Year.		Although the project is listed as commencing within 1 year, it is still in the preliminary design phase and not shovel ready.			
	3. Near Term, 1 to 3 Years to develop.					
	2. Mid-term, 3 to 6 Years to develop.					
	1. Long-term, >6 Years to develop.					
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2		
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.					
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.					

Project Reviewed:	Holtville Wastewater Treatment Plant Improvement Project
Project Number:	35
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		A rate study and a preliminary engineering report have been completed.		Rate study underway; design not initiate due to funding constraints.
3. Environmental Compliance	Does the project have environmental documentation and clearance? 2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation. 0. There are no studies or completed environmental documentation.	1		2	
4. Permitting	Does the project have permits or a plan to obtain permits? 2. The permits have been obtained or are in the process. 1. The permit requirements are known and there is a plan and schedule in place. 0. The permit requirements are not known and there is no plan or schedule.	1		2	
5. Funding	Are the project funding sources well defined? 2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations. 1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations. 0. No financial plan and commitments established; no resources defined for maintenance and operations.	1		1	
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits? 1= Yes 0= No	1		0	Limited to WWTP improvement at one DAC and help with water quality of discharge to drain.
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants? 2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	0	Water quality and environmental enhancement. Single stakeholder and DAC area. Possible (environmental) stakeholders downstream toward the Salton Sea.	1	
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group? 1= Yes 0= No	1	The project would supply a regional benefit by providing better quality water to the Alamo River and ultimately to the Salton Sea.	0	Limited to one DAC location and a drain.
4. State Program Preferences	Does the project support meet the state preferences? 1= Yes 0= No	1		1	
5. Statewide Priorities	Does the project support meet the statewide priorities? 1= Yes 0= No	1		1	
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change? 1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change. 0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	0	Since the project is providing an upgrade to existing water supply, it is not forseen it affects regional climate change vulnerability unless it also includes storage, secondary treatment, etc.	0	Although the Project Informationstates an energy savings, it does not identify a significant change in energy to treat the wastewater, it does mention a reduction, but does not quantify one.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region? 1. The project does not significantly contribute to the GHG emissions relative to other projects. 0. The project contributes to GHG emissions; and does not support renewable energy.	1		1	
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State? 1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state. 0. The project does not support the expansion of renewable energy in the Region or state.	0	While the project will use renewable energy sources, it does not expand the energy portfolio of the region or state, or assist in the expansion.	0	

Project Reviewed:	Holtville Wastewater Collection System Project
Project Number:	36
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1	No impacts and no benefits to water supplies available to agriculture are foreseeable with this project.	1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1	The project is intended to upgrade sanitary sewer outfall and not provide a water supply.	0	Project focuses on Wastewater Collection System and does not add to water supply
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not discussed in the project submittal form.	0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	Not discussed in the project submittal form.	0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	Not discussed in the project submittal form.	0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		0	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2	City General Plan, City Service Area Plan, City Capital Improvement Program	2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed in the project submittal form.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0	The project is intended to upgrade sanitary sewer outfall and not make beneficial use of poor quality water.	0	Project focuses on Wastewater Collection System
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	The project would help a DAC meet wastewater disposal and permit requirements.	1	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1	Uncertain the project would create or assist in the creation of an economy of scale.	0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		2	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<u>Holtville Wastewater Collection System Project</u>
Project Number:	<u>36</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		It is conceivable that replacing the sanitary sewer outfall main would improve the water quality of drains/rivers.		
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	1		1	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Stormwater BMPs are only discussed as part of the construction phase, however improving the water quality will conceivably assist in compliance to established TMDLs.		Project would reduce risk of raw sewage effluent being in contact with environment during collapse of old pipes causing back-ups.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		2	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Not discussed in the project submittal form.		Reduces risk of effluent discharging into groundwater.
Environmental Protection and Enhancement Goal					
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		1	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		Not discussed in the project submittal form.		Reduces risk of effluent discharging into drains.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.		Not discussed in the project submittal form.		
Flood Protection and Stormwater Management Goal					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.		Unsure of current 'economic damages' if any. It stands to reason that repairing the aging pipeline that carries raw sewage would have a preventative affect on environmental damages in the event raw sewage leaked.		Based on the Project Information, risk is more with failure of old pipe than from local flood events.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.		EPA and BEEC		
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not discussed in the project submittal form.		Based on Project Information, costs are associated with effluent collection from households; rough estimate of \$101/household/year over 20 years to pay for this project
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed in the project submittal form.		Wastewater rate payers would be associated with this project.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	0		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Construction jobs would be temporary only. Uncertain of how effective the removal of the perceived barrier to economic growth would be.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	3		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Preliminary Engineering Report, Design Plans, and a Sewer Rate Study		Funds are required to advance design and construction documents.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	2		2	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	Holtville Wastewater Collection System Project
Project Number:	36
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Environmental Review and Study is complete		
4. Permitting	Does the project have permits or a plan to obtain permits?	1		2	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		NPDES permit is active		
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Seeking Prop 84 and 1E funds. No local funding has been secured.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		0	
	1= Yes				
	0= No		Does not provide a "range" of benefits.		
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	1		1	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes		Single/limited stakeholder group. The City of Holtville.		
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				Limited help in adapting in the project does not add energy since it will be an all gravity system.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	1		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.		The project intends to implement a gravity drainage design, removing the need for pumps.		

Project Reviewed:	<u>Holtville Stormwater Master Plan Project</u>
Project Number:	<u>38</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not applicable with this project.	1	This project is planning project only; thus, it will not have a measureable impact to the water supply
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	0	Not applicable with this project.	0	Planning project only
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not applicable with this project.	0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	Not applicable with this project.	0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	Not applicable with this project.	0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		0	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2	City General Plan, City Development Impact Fee Nexus Study, City Service Area Plan	1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not applicable with this project.	1	Since this is a planning project, difficult to determine.
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	0		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	Holtville Stormwater Master Plan Project
Project Number:	38
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				Planning project only; future implemented projects could help drains or rivers.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	1		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.				Planning project only; future implemented projects could help with stormwater BMPs.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	1		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				Project is planning step towards implementation of projects that may contain integrated elements.
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	2		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				Planning project only; future implemented projects may reduce economic damages and protect life and property.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not applicable with this project.		N/A; Planning project that does not identify any project yield.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed on the project submittal form.		
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	0		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				This is a planning component of overall master plans to support economic activity.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Drainage Study Report, Rancho Mira Vista Hydrology Study, Stormwater Pollution Prevention Plan for the Alamo River		Project is planning study only.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	2		2	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<u>Holtville Stormwater Master Plan Project</u>
Project Number:	<u>38</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Exempt.		Exempt
4. Permitting	Does the project have permits or a plan to obtain permits?	0		2	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not applicable with this project.		Ministerial
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				Funding outside of rate payers is needed.
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		0	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes				
	0= No		Single stakeholder group.		
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				Limited to stormwater management in DAC area.
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				Limited to stormwater management in DAC area.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.		Project could help the region adapt to climate change if it included water storage planning.		Minimal support.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	<i>Holtville Stormwater Conveyance System and Detention Basin Project</i>
Project Number:	39
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not applicable or discussed in the project submittal form.	2	Project protects DAC area from stormwater and has the potential to improve quality of drain water of tributary to the Salton Sea.
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1		1	Volume of stormwater is not identified as a source of supply to meet demands; the stormwater contribute to drain flows that flow into the Salton Sea.
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0	Only during flooding. Unsure if there would be opportunity to re-apportion flood water from the detention basin. How would retained water be apportioned for use, if possible?	0	The Project Information indicates no change in the points of delivery from source end use; it does describe a change in timing and quality of stormwater delivered to the drain.
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0			
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2		1	Project concepts clearly identified; specific projects not listed in GP.
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1	Only during flooding. Unsure if there would be other opportunity by this project to sustain and protect groundwater otherwise. There could be opportunity to provide a source of water in the detention basin.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal		Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.			
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	Project does not change the beneficial use of source water; it does change the timing of drain flows and has the potential to improve drain water quality.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	There is opportunity for bringing the community into compliance by treating the water prior to discharge into the Alamo River.	0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		2	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<u>Holtville Stormwater Conveyance System and Detention Basin Project</u>
Project Number:	<u>39</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.				
	0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	2		2	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.		There is opportunity to meet both of these options.		Ths project is focused on improving stormwater timing and quality of drain water.
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.				
	0. Does not help meet established TMDLs and does not implement stormwater BMPs.				
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.				
	1. Project would not improve groundwater quality and would not protect existing water quality.				
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts.				The improvements to habitat are identified as only potential improvements; they are not clearly identified in the Project Information.
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.				
	0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	1		0	
	1. Integrates multiple design elements to provide multiple benefits.				
	0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	2		2	
	2. Project would reduce economic damages, protect life and property.				The purpose of this project is to protect a DAC area from stormwater.
	1. Projects would not reduce economic damages or protect life and property.				
	0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.				
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.				
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af.		Not applicable.		This project does not have a yield of water supply component; based on the information found in the Project Information, a rough estimate is that it may cost a rate payer over \$200 per year over a 20-year period to pay for the improvements
	3. \$151 to \$300/af.				
	2. \$301 - \$450/af.				
	1. >450/af.				
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base.		Not discussed on the project submittal form.		Project does not add a new water yield; it does require a rate payer to pay for stormwater facilities.
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.				
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.				
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.		There is potential for economic benefits in the construction of the project as well as facilitating infill development and removing barriers to planned growth.		Project protects a DAC area and allows for economic development to be allowed in this area.
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.				
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.				
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year.				Contruction could happen in 1-3 years.
	3. Near Term, 1 to 3 Years to develop.				
	2. Mid-term, 3 to 6 Years to develop.				
	1. Long-term, >6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.				
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.				
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.				
	0. The project is conceptually defined, but has potential to help meet goals and objectives.				
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents.				
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<u>Holtville Stormwater Conveyance System and Detention Basin Project</u>
Project Number:	<u>39</u>
Project Reviewer:	<u>Melissa Cansdale/Sam Schaeffer Combo</u>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	1		0	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	1		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Financial plan appears to consist of Prop 84 or 1E funds.		
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	1		1	
	1= Yes				Water quality improvement to drain and flood protection of DAC
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		0	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				Project involve flood protection of DAC area.
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				Project involve flood protection of DAC area.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.		There is potential for climate change		Ability to control timing of stormwater flows would be improved
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	Holtville Sewer Master Plan/Map Update Project
Project Number:	40
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	0	Not discussed on project submittal form.	1	Project is a Sewer Master Plan/Map update; since this is a planning project, it does not implement or change any water uses
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	0	Project does not provide a firm supply. There is opportunity for the project to identify areas where conservation measures can be taken by identifying infrastructure conditions.	0	Project is a Sewer Master Plan/Map update; since this is a planning project, it does not implement or change any water uses
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.				
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0	Not discussed on project submittal form.	0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0	The project does not provide conservation measures, however there is opportunity to identify areas of infrastructure where conservation could apply.	0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0	This project includes opportunities for pollution prevention and conveyance improvement.	0	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	2	General Plan	1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0	Not discussed on project submittal form.	1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal					
Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0	Not applicable with this project.	0	Project is a planning project, focused on sewer master plan/map update. Future identified and implemented projects may make use of poor quality water or have a beneficial use.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	1	This project could identify where the existing infrastructure is out of compliance and could create an economy of scale if infrastructure is updated.	1	This project helps with a planning step towards compliance requirements, however, it is not an implementation or construction of facilities that would produce recycled water or reuse opportunities to extend CO River supply.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1	There may be opportunity to assist in creation of an economic boost if existing infrastructure conditions are poor and require fixing, however the project itself does not provide that.	0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	Holtville Sewer Master Plan/Map Update Project
Project Number:	40
Project Reviewer:	Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.		Project could benefit water quality by identifying areas of aging or sub-par infrastructure.		It is a planning step towards potential benefit of water quality of drains or rivers.
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Not applicable with this project.		
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	0		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.		Not applicable with this project.		
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.		Not applicable with this project.		
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.		Not applicable with this project.		
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. > \$450/af.		Not applicable with this project.		Since this is a planning project only for a sewer master plan/map update, it is roughly estimated to cost each household \$43.57.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not discussed on project submittal form.		No new water supply created, this is a planning effort to help maintain compliance with sewer requirements.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	0		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		The project itself does not, however it could identify projects based on infrastructure conditions that could provide a contribution to economic activity.		Project helps plan for future sewer improvements.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		4	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, > 6 Years to develop.				
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	0		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Not applicable with this project. The project would be an update of an existing document and therefore requires no new technical feasibility documentation.		
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		2	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<i>Holtville Sewer Master Plan/Map Update Project</i>
Project Number:	<i>40</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.		Not applicable with this project. Exempt.		Exempt
4. Permitting	Does the project have permits or a plan to obtain permits?	0		2	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		Not applicable with this project.		Ministerial
5. Funding	Are the project funding sources well defined?	1		1	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Project hopes to obtain Prop 84/1E funds.		Project information indicates funding source is limited to DAC rate payers.
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		0	
	1= Yes				
	0= No				
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes				
	0= No		Single stakeholder group (City of Holtville)		
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				Project involves sewer master plan for DAC.
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				Project involves sewer master plan for DAC.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	1		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.		There is potential for this project to support an adaptation to climate change by highlighting areas of infrastructure that could be updated to be more efficient.		
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				Minimal help or affect in adapting to climate change.
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed:	<i>Drainage Improvements in the Township of Seeley; County Project No. 5363</i>
Project Number:	<i>41</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				Project protects DAC area from stormwater.
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	0		1	
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.		Not applicable to this project.		Volume of stormwater is not identified as a recycled source of supply to meet demands; the stormwater is presently a nuisance within the community nad the drainage infrastructure would safely convey it thru the community. The discharge point of the stormwater is not identified in the Project Information. This project would reduce the cost of vector control and ensure revenue is not lost from missing school attendance.
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				The Project Information indicates no change in the points of delivery from source end use; it does describe a change in how stormwater would be handled within the community.
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	0		1	
	2. Integrates five or more RMS.				
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				Project protects DAC area from stormwater, will reduce vector control costs, and will improve road walking paths and safety of kids to get to school.
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.				Project concepts clearly identified.
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0		1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				
Water Quality Goal					
	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	1		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.		Project could provide economic benefits.		Project does not change the beneficial use of source water; it would provide an improvement to the local economy by lowering vector control costs and increasing school attendance.
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.				
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		1	
	2. Project could benefit water quality of drains or rivers.				

Project Reviewed:	<i>Drainage Improvements in the Township of Seeley; County Project No. 5363</i>
Project Number:	<i>41</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	1		2	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs. 1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.		Purpose of project is for flood/stormwater management and has potential to improve compliance, although not necessarily stated.		Based on the type of project, improvements to storm drainage, this would implement a stormwater BMP although not discussed directly in the Project Information.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality. 1. Project would not improve groundwater quality and would not protect existing water quality. 0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts. 1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts. 0. Project does not increase or improve habitat.				Improvements to habitat are not identified in the Project Information.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits. 0. Does not integrate multiple design elements or provide multiple benefits.				
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	2		2	
	2. Project would reduce economic damages, protect life and property. 1. Projects would not reduce economic damages or protect life and property. 0. Project could increase economic damages or result in potential impacts to life or property.				The purpose of this project is to protect a DAC area from stormwater, improve drainage system for stormwater, and reduce economic damage from storm events.
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	2		1	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region. 1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region. 0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af. 3. \$151 to \$300/af. 2. \$301 - \$450/af. 1. >450/af.		Not applicable to this project.		This project does not have a yield of water supply component; based on the information found in the Project Information, a rough estimate is that it may have a benefit cost ratio of 1.78. A statement is contained in the Project Information regarding costs; useful life of project is 50-years.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		0	
	2. All costs for new water would be paid for by new users; no effects on current rate base. 1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users. 0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not applicable to this project.		Project does not add a new water yield; it does require a rate payer to pay for stormwater facilities.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation. 1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation. 0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Prevents economic damages to an area.		Project protects a DAC area and helps economy of this area.
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	3		3	
	4. Immediate, < 1 Year. 3. Near Term, 1 to 3 Years to develop. 2. Mid-term, 3 to 6 Years to develop. 1. Long-term, >6 Years to develop.				Contruction could happen in 1-3 years.
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	2		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs. 2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs. 1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed. 0. The project is conceptually defined, but has potential to help meet goals and objectives.		Design documentation was not provided. Project description; environmental questionnaire; benefit-cost analysis report; and Seeley Area Drainage Master Plan, all of which are a part of the Hazard Mitigation Grant Program (HMGP) application submitted under FEMA's DR-1911.		
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		1	
	2. Existing studies and completed environmental documents. 1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				

Project Reviewed:	<i>Drainage Improvements in the Township of Seeley; County Project No. 5363</i>
Project Number:	<i>41</i>
Project Reviewer:	<i>Melissa Cansdale/Sam Schaeffer Combo</i>

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	1		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.				
5. Funding	Are the project funding sources well defined?	1		2	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				
	0. No financial plan and commitments established; no resources defined for maintenance and operations.				Request will be made for Prop 1EFunds to match potential FEMA funds.
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		0	
	1= Yes				
	0= No				Project provides stormwater protection to DAC community.
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		0	
	2. Projects involves four or more participants through agreements and funding.				
	1. Project involves two to four participants through agreements and funding.				
	0. Projects involves one stakeholder.				
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	0		0	
	1= Yes				
	0= No				
4. State Program Preferences	Does the project support meet the state preferences?	1		1	
	1= Yes				
	0= No				Project involves storm water protection of DAC area.
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	
	1= Yes				
	0= No				Project involves storm water protection of DAC area.
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.				
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.				Ability to control timing of stormwater flows would be improved
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.				
	0. The project contributes to GHG emissions; and does not support renewable energy.				
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		0	
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.				
	0. The project does not support the expansion of renewable energy in the Region or state.				

Project Reviewed: Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea
 Project Number: 46
 Project Reviewer: Melissa Cansdale/Sam Schaeffer Comba

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Project Score	Reviewer Comments
IRWMP Goals						
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands					
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	2		1	2	The project, once operational, would require a supply of water; it is stated in the Project Information this may be from IID irrigation water.
	2. No impacts and clearly defined benefits to agricultural water supplies.					
	1. Some impacts and no benefits to agricultural water supplies. 0. Defined and identifiable negative impacts to agricultural water supplies.					
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, and/or industrial demands by 2025? This supply cannot withdraw from current agricultural supplies.	1		0	0	No water supply yield estimate provided in project submittal form; this project is more of a new use, reuse, or use of treated water that is reclaimed.
	5. >50,000 acre feet. 4. 25,001 to 50,000 acre feet. 3. 10,001 to 25,000 acre feet. 2. 5001 to 10,000 acre feet. 1. 0 to 5000 acre feet; yield or limited ability to firmly define.					
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	0	The project is to make use of exiting water suppl, reuse, or reclaimed water; storage is accomplished in the CO River System.
	2. The project would provide for storage or use of Colorado River supply. 1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply. 0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.					
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	1		1	4	The Project would conserve local water by reuse or by making use of water the is from reclaimed supply.
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use. 1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use. 0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.					
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	0	See previous question comment.
	1. Projects would provide a source of supply and allow for reapportionment. 0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.					
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	2		2	4	
	2. Integrates five or more RMS. 1. Integrates 3-5 RMS. 0. Less than three RMS.					
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	1		1	2	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan. 1. Moderate degree of consistency. Project concepts identified in GP or other plan. 0. Limited or no consistency with existing plan.					
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	0		1	1	If project relies on reuse or reclaimed water, may benefit GW. If project uses water from existin IID Irr water, then it may be a competing use and impact overdraft.
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft or has no impacts on such aquifers. 1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft or has impact on such aquifers. 0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.					
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.					
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	2		1	2	Project is the end use of a poor quality water that has been treated/reclaimed and it would provide some level of economic benefit.
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits. 1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits. 0. Project would not make beneficial use of poor quality water source water or provide economic benefits.					
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	0	Project is not directly making use of wastewater.
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply. 1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply. 0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.					
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	0		0	0	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale. 1. Assists DACs to meet standards, does not create economies of scale. 0. Does not assist DACs to meet drinking water standards or create economies of scale.					
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	2		2	4	
	2. Project could benefit water quality of drains or rivers. 1. Project would not provide benefit or have negative impacts on water quality of drains or rivers. 0. Project could have impacts on water quality of drains or rivers.					
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	0	Not provided on project submittal form.
	2. Improves compliance with established TMDLs and implement stormwater BMPs. 1. Improves compliance with established TMDLs or implement stormwater BMPs. 0. Does not help meet established TMDLs and does not implement stormwater BMPs.					
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	2	

Project Reviewed: Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea
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Imperial IRWMP Project Evaluation and Ranking Criteria						
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Project Score	Reviewer Comments
	2. Project would improve groundwater quality so that it can be used or would protect existing water quality.					
	1. Project would not improve groundwater quality and would not protect existing water quality.					
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.					Based on the Project information, it will make use of a supply or reuse of reclaimed water.
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.					
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	2		2	6	
	2. Project increases or improves habitat and could support mitigation of other project impacts.					
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.					
	0. Project does not increase or improve habitat.					Project has potential to improve habitat.
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	1		1	2	
	1. Integrates multiple design elements to provide multiple benefits.					
	0. Does not integrate multiple design elements or provide multiple benefits.					
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.					
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	2	
	2. Project would reduce economic damages, protect life and property.					
	1. Projects would not reduce economic damages or protect life and property.					
	0. Project could increase economic damages or result in potential impacts to life or property.					Project stated purpose is primarily for growth of Microalgal, not flood retention.
Strategic Considerations for IRWM Plan Implementation						
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	0		1	3	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.					
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.					
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.					
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		4	12	
	4. < \$150/af.					
	3. \$151 to \$300/af.					No cost per af of water yield provided in Project information. It is possible the project pays for the water it receives, therefore, a higher score was given.
	2. \$301 - \$450/af.					
	1. >450/af.		Not applicable			
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		1	2	
	2. All costs for new water would be paid for by new users; no effects on current rate base.					
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.					Since all identified funding is for a development of Microalgal site, and it is requested as a grant with some local cost share, some small effect on current rate base.
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not applicable			
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	3	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.					
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.					
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.					Project information states potential for positive economic activity.
Readiness to Proceed Category						
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	4		2	4	
	4. Immediate, < 1 Year.					
	3. Near Term, 1 to 3 Years to develop.					
	2. Mid-term, 3 to 6 Years to develop.					Project sponsor is ready, funding is not in place; IID will offer in-kind services in support of the project.
	1. Long-term, >6 Years to develop.					
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	1		2	8	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.					
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.					
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.					
	0. The project is conceptually defined, but has potential to help meet goals and objectives.					Project is to advance a demonstration level site to a larger-scale.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	2		1	2	
	2. Existing studies and completed environmental documents.					
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.					
	0. There are no studies or completed environmental documentation.					
4. Permitting	Does the project have permits or a plan to obtain permits?	2		1	1	
	2. The permits have been obtained or are in the process.					
	1. The permit requirements are known and there is a plan and schedule in place.					
	0. The permit requirements are not known and there is no plan or schedule.					
5. Funding	Are the project funding sources well defined?	1		1	5	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.					
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.					
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Seeking Prop 84/1E funds			Statement of a local cost match and proposed budget, but no documented funding source.
Other CDWR Statewide IRWMP Criteria						
1. Provides multiple benefits	Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?	0		1	5	
	I= Yes					
	O= No					
2. Involves multiple participants and stakeholders	Does the project include multiple stakeholders and participants?	0		1	2	
	2. Projects involves four or more participants through agreements and funding.					
	1. Project involves two to four participants through agreements and funding.					
	0. Projects involves one stakeholder.					

Project Reviewed: Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea
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Imperial IRWMP Project Evaluation and Ranking Criteria						
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Project Score	Reviewer Comments
3. Provides regional benefits	Does the project provide tangible regional benefits or only to a single or limited stakeholder group?	1		1	4	
	I= Yes					
	O= No					
4. State Program Preferences	Does the project support meet the state preferences?	1		1	2	
	I= Yes					
	O= No					
5. Statewide Priorities	Does the project support meet the statewide priorities?	1		1	2	
	I= Yes					
	O= No					
6. Climate Change Adaption	Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?	0		1	2	
	1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change.					
	0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.					
7. Greenhouse Gas Emissions Contribution- Project	Does the project affect greenhouse gas emissions in the region?	1		1	1	
	1. The project does not significantly contribute to the GHG emissions relative to other projects.					
	0. The project contributes to GHG emissions; and does not support renewable energy.					
8. Greenhouse Gas Emissions - Support to Renewable Energy	Does the project support expansion of renewable energy portfolio for the Region or State?	0		1	2	Harvested algae biomass can be used to produce biogas for electricity and biofuel for vehicles or to run generators.
	1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state.					
	0. The project does not support the expansion of renewable energy in the Region or state.					

Project Reviewed: Interconnection projects between City of El Centro, City of Imperial and the Heber Utility
 Project Number: 47
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Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
IRWMP Goals					
Water Supply Goal	Diversify the regional water supply portfolio to ensure a long-term, verifiable, reliable, and sustainable supply to meet current and future demands				
1. Effect to agricultural users of water.	Does the project have an effect to water supplies historically available to agriculture?	1		1	
	2. No impacts and clearly defined benefits to agricultural water supplies.				
	1. Some impacts and no benefits to agricultural water supplies.				
	0. Defined and identifiable negative impacts to agricultural water supplies.				
2. Improve Water Supply.	Does the project provide a firm, verifiable, and sustainable supply that contributes to the regional goal of 50 to 100 thousand acre-feet per year for municipal, commercial, or industrial demands by 2025?	0		0	
	5. >50,000 acre feet.				
	4. 25,001 to 50,000 acre feet.				
	3. 10,001 to 25,000 acre feet.				
	2. 5001 to 10,000 acre feet.				
	1. 0 to 5000 acre feet; yield or limited ability to firmly define.		Project does not create new supply.		
3. Protect Surface Water Rights, maintain Colorado River yields.	Would the project optimize and sustain use of Colorado River entitlements through development of groundwater storage of underruns?	0		0	
	2. The project would provide for storage or use of Colorado River supply.				
	1. The project could be integrated with other projects or strategies, or altered to provide for storage or use of Colorado River supply.				
	0. The project is not, does not, and could not include aspects of storage or use of Colorado River Supply.				
4. Conserves Colorado River Supplies.	Would the project implement water conservation measures that demonstrate reasonable beneficial use and maintain consistency with established industry standards, state, and federal requirements?	0		0	
	2. Implements water conservation measures that surpass requirements and strongly demonstrate or support documentation of reasonable and beneficial use.				
	1. Implements water conservation measures that meet requirements and partially demonstrate or support documentation of reasonable and beneficial use.				
	0. Does not implement water conservation measures, or measures do not meet requirements; does not demonstrate or support documentation of reasonable and beneficial use.				Drinking water service area(s) interconnection project.
5. Support for in-lieu uses or substitution for Colorado River Water.	Would the project provide a source of supply that could be used as a substitute for a current use of Colorado River supplies, and allow for reapportionment within the Imperial Region?	0		0	
	1. Projects would provide a source of supply and allow for reapportionment.				
	0. The project would not create a source of supply that could be used by a current user as a substitute for Colorado River supply and subsequent reapportionment.				
6. Integrate Resource Management Strategies.	Will the project apply or integrate Resource Management Strategies?	1		1	
	2. Integrates five or more RMS.		Project claims Conveyance Improvement, Urban Water Use Efficiency, Drinking Water Treatment, and Land Use Management. This project does not actively treat water, instead it is intended to connect treatment facilities where water is already treated.		
	1. Integrates 3-5 RMS.				
	0. Less than three RMS.				
7. Plan Consistency.	Is the project consistent with City and County General Plan, State or Federal Land Use Plan, UWMP, or existing Capital Facility Plan?	0		1	
	2. Greatest degree of consistency. Projects clearly identified in GP or other plan.				
	1. Moderate degree of consistency. Project concepts identified in GP or other plan.				
	0. Limited or no consistency with existing plan.		Not listed on the project submittal form.		
8. Groundwater Rights.	Will the project protect correlative groundwater rights or optimize the use of groundwater?	1		1	
	2. Sustains and protects use of overlying groundwater users (pumpers); clearly helps to prevent or address overdraft.				
	1. May sustain and protect use of overlying groundwater users (pumpers); does not prevent or address overdraft.				
	0. Would not sustain or protect groundwater use of overlying users (pumpers); or could have potentially significant impact by causing overdraft.				

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Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
Water Quality Goal	Protect water quality for beneficial use consistent with regional community interests and the RWQCB Basin Plan through cooperation with stakeholders, local, and state agencies.				
1. Match Water Quality to use.	Would the project make beneficial use of poor quality water and provide economic benefits?	0		0	
	2. Project would make beneficial use of poor quality source water not otherwise used and provide economic benefits.				
	1. Project would treat water quality to make beneficial use of poor quality water source water not otherwise used and provide economic benefits.				
	0. Project would not make beneficial use of poor quality water source water or provide economic benefits.				
2. Support DACs- Wastewater.	Would the project support DACs in meeting wastewater disposal and permit requirements; create economies of scale; and provide recycled water and reuse opportunities to extend Colorado River supplies?	0		0	
	2. Brings community into compliance with requirements; creates economies of scale; and provides recycled water to extend the Colorado River supply.				
	1. Brings community into compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
	0. Does not have any effect on community compliance with requirements; does not create economies of scale; or provide recycled water to extend the Colorado River supply.				
3. Support DACs- Drinking Water	Would the project support DACs in meeting drinking water standards, protecting public health, or creating economies of scale?	1		2	
	2. Assists DACs to meet standards, address public health threats, and create economies of scale.				
	1. Assists DACs to meet standards, does not create economies of scale.				
	0: Does not assist DACs to meet drinking water standards or create economies of scale.		Drinking water standards are already met or not met by existing facilities. A short term economy would be created by project construction. The interconnection is intended for		Interconnection of drinking water systems and provides drought protection.
4. Effect on Existing Waterways	Could the project affect the water quality of drains or rivers?	1		1	
	2. Project could benefit water quality of drains or rivers.				
	1. Project would not provide benefit or have negative impacts on water quality of drains or rivers.				
	0. Project could have impacts on water quality of drains or rivers.				
5. Comply with Total Maximum Daily Loads (TMDLs)	Would the project help the region comply with Regional Water Quality Control Board Requirements or implement to stormwater BMPs?	0		0	
	2. Improves compliance with established TMDLs <u>and</u> implement stormwater BMPs.				
	1. Improves compliance with established TMDLs <u>or</u> implement stormwater BMPs.				
	0. Does not help meet established TMDLs and does not implement stormwater BMPs.				Project is specific to meeting the needs of drinking water for DAC area.
6. Preserve or Improve	Would the project preserve or improve quality of groundwater resources?	1		1	
	2. Project would improve groundwater quality so that it can be used <u>or</u> would protect existing water quality.				
	1. Project would not improve groundwater quality and would not protect existing water quality.				
	0. Project would not improve groundwater quality or could have potentially significant impacts to existing water quality.				
Environmental Protection and Enhancement Goal	Protect and enhance aquatic ecosystems and wildlife habitat consistent with municipal, commercial, industrial, and agricultural land uses.				
1. Environmental Enhancements	Would the project increase or improve habitat or support mitigation of other impacts?	0		0	
	2. Project increases or improves habitat and could support mitigation of other project impacts.				
	1. Project increases or improves habitat, but cannot be used to support mitigation of other project impacts.				
	0. Project does not increase or improve habitat.				
2. Integrated Design Elements	Does the project integrate environmental, open space, parks, or other recreational elements into the design to achieve multiple benefits?	0		0	
	1. Integrates multiple design elements to provide multiple benefits.				
	0. Does not integrate multiple design elements or provide multiple benefits.				

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Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
Flood Protection and Stormwater Management Goal	Protect life and property from flooding and develop regional and local flood protection and stormwater management strategies.				
1. Reduce impacts from stormwater events	Would the project help to reduce economic damages; and protect life and property from localized stormwater events and runoff from urban areas?	1		1	
	2. Project would reduce economic damages, protect life and property.				
	1. Projects would not reduce economic damages or protect life and property.				
	0. Project could increase economic damages or result in potential impacts to life or property.		Unclear of economic damage reduction. Project is intended to mitigate risk and promote public safety during water treatment plant shutdowns.		
Strategic Considerations for IRWM Plan Implementation					
1. Public Acceptance/Public	Will the project be able to gain public support from the rate paying population?	1		2	
	2. High degree of stakeholder support and low potential for conflicts within Imperial Region.				
	1. Moderate degree of stakeholder support and moderate potential for conflicts within Imperial Region.				
	0. Limited or no stakeholder support and potential for conflicts within Imperial Region.				
2. Cost Effectiveness	Is the cost per acre foot of yield competitive with the other projects in the Region?	0		0	
	4. < \$150/af.				
	3. \$151 to \$300/af.				
	2. \$301 - \$450/af.				
	1. > \$450/af.		Not provided.		This project does not produce additional water supply, it is to interconnect potable drinking water service areas. The cost per acre-foot of yield is not provided.
3. Equitable cost sharing	Do the entities that receive the benefits pay for the costs of producing those benefits?	0		1	
	2. All costs for new water would be paid for by new users; no effects on current rate base.				
	1. Cost would likely be shared between new and existing rate payers; with at least 75% of the costs borne by new users.				
	0. Costs for new water and programs distributed to new and existing rate payers in roughly equal proportions.		Not provided.		Uncertain who will have ability to pay for costs.
4. Promote Economic Development	Does the project provide measurable economic benefits to Imperial Region in terms of net economic activity, job creation, and revenue generation to IID, Imperial County and Cities?	1		1	
	2. Greatest potential for contributing to economic activity, creating jobs, revenue generation. Clear documentation.				
	1. Moderate potential for contributing to economic activity, creating jobs, revenue generation. Limited documentation.				
	0. Limited or no potential for contributing to economic activity, creating jobs, revenue generation. No solid documentation.		Conceivably there are short term economic benefits to the region during project construction and the possibility of one or two long term positions for monitoring connections and managing flows.		
Readiness to Proceed Category					
1. Timeliness	Does the project have the ability for Stakeholders to act quickly to implement a project or program without the need for new agreements or additional funding?	2		2	
	4. Immediate, < 1 Year.				
	3. Near Term, 1 to 3 Years to develop.				
	2. Mid-term, 3 to 6 Years to develop.				
	1. Long-term, >6 Years to develop.				Length of time to develop is based on the Project Information.
2. Technical Feasibility of Project	Does the project have technical documentation to evaluate the technical feasibility of the project?	0		2	
	3. The project has detailed documentation, including reconnaissance, and feasibility studies and completed engineering designs.				
	2. The project is partially documented, and has reconnaissance, and/or feasibility studies, but incomplete or partial designs.				
	1. The project is not well documented, does not have reconnaissance, and/or feasibility studies and has not been designed.				
	0. The project is conceptually defined, but has potential to help meet goals and objectives.		As provided on form.		Project has reconnaissance level engineering as it is a fairly standard task to interconnect drinking water systems.
3. Environmental Compliance	Does the project have environmental documentation and clearance?	0		0	
	2. Existing studies and completed environmental documents.				
	1. There are some existing studies or plans to complete studies; a clear plan to complete environmental documentation.				
	0. There are no studies or completed environmental documentation.				
4. Permitting	Does the project have permits or a plan to obtain permits?	0		1	
	2. The permits have been obtained or are in the process.				
	1. The permit requirements are known and there is a plan and schedule in place.				
	0. The permit requirements are not known and there is no plan or schedule.		As provided on form.		Permitting an interconnection between existing drinking water distribution systems is a known entity; a plan and schedule would easily follow once funded
5. Funding	Are the project funding sources well defined?	1		0	
	2. Financial plan and commitments are well defined; clear resource commitments to maintenance and operations.				
	1. Financial plan under development; requires rate payer and/or funding agency approval; no defined resource commitments to maintenance and operations.				

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Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
	0. No financial plan and commitments established; no resources defined for maintenance and operations.		Seeking Prop 84 or Prop 1E funds.		

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Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria					
Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments

Project Reviewed: Interconnection projects between City of El Centro, City of Imperial and the Heber Utility
 Project Number: 47
 Project Reviewer: Melissa Cansdale/Sam Schaeffer Combo

Imperial IRWMP Project Evaluation and Ranking Criteria

Criteria	Question/Performance Measures	Reviewer Score	Reviewer Comments	Reviewer Score	Reviewer Comments
Other CDWR Statewide IRWMP Criteria					
1. Provides multiple benefits	<i>Does the project provide a range of supply, water quality, flood, ecosystem, conservation, recreation, or other benefits?</i> 1= Yes 0= No	0		0	
2. Involves multiple participants and stakeholders	<i>Does the project include multiple stakeholders and participants?</i> 2. Projects involves four or more participants through agreements and funding. 1. Project involves two to four participants through agreements and funding. 0. Projects involves one stakeholder.	1		1	
3. Provides regional benefits	<i>Does the project provide tangible regional benefits or only to a single or limited stakeholder group?</i> 1= Yes 0= No	0		0	Limited to DAC drinking water service areas
4. State Program Preferences	<i>Does the project support meet the state preferences?</i> 1= Yes 0= No	1		1	One, critical water supply needs of DAC within region
5. Statewide Priorities	<i>Does the project support meet the statewide priorities?</i> 1= Yes 0= No	1		1	One, addresses the safe drinking water needs of a small DAC
6. Climate Change Adaption	<i>Would the project support the region adaption to climate change or reduce the vulnerability to the effects of climate change?</i> 1. Project would help the region adapt to climate change and reduce the vulnerability to the effects of climate change. 0. Project would not help the region adapt to climate change or reduce the vulnerability to the effects of climate change.	0		0	
7. Greenhouse Gas Emissions Contribution- Project	<i>Does the project affect greenhouse gas emissions in the region?</i> 1. The project does not significantly contribute to the GHG emissions relative to other projects. 0. The project contributes to GHG emissions; and does not support renewable energy.	1		1	
8. Greenhouse Gas Emissions - Support to Renewable Energy	<i>Does the project support expansion of renewable energy portfolio for the Region or State?</i> 1. The project provides clear and tangible support to the expansion of renewable energy in the Region or state. 0. The project does not support the expansion of renewable energy in the Region or state.	0		0	

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<u>Project No.</u>	<u>Title</u>
1	HPUD WWTP Upgrade to Tertiary Treatment
2	Keystone Desalination with IID Drainwater/Alamo River Source (50 KAFY)
6	New River Bioremediation and Wildlife Habitat Restoration and Process Evaluation Project
7	East Brawley 25 KAFY Desalination with Well Field and Groundwater Recharge (Desal 12)
8	City of Brawley Raw Water Storage Project
9	City of Brawley Reclaim Water Project
12	City of Brawley Water Meter Project
13	Keystone Water Reclamation Facility
14	IID Systems Conservation and Improvements Projects for IWSP
15	Spearheading with Spirulina: An Sustainable Approach to Desert Acquaculture :
18	Ave 72, Martinez Canyon Groundwater Storage Project
19	Ave. 62, Thomas Levy Recharge Site.
20	East Mesa Groundwater Storage Project
21	Painted Canyon Groundwater Storage Project
32	Water distribution storage tanks, 2 each 5MG
34	Holtville Water Distribution System Project
35	Holtville Wastewater Treatment Plant Improvement Project
36	Holtville Wastewater Collection System Project
37	Holtville UV Transmittance Water Treatment System Project
38	Holtville Stormwater Master Plan Project
39	Holtville Stormwater Conveyance System and Detention Basin Project
40	Holtville Sewer Master Plan/Map Update Project
41	Drainage Improvements in the Township of Seeley; County Project No. 5363
46	Large-Scale Microalgal Cultivation on Recently-Exposed Playa Lands for Improving Salton Sea Water Quality and Regional Air Quality
47	Interconnection projects between City of El Centro, City of Imperial and the Heber Utility District

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