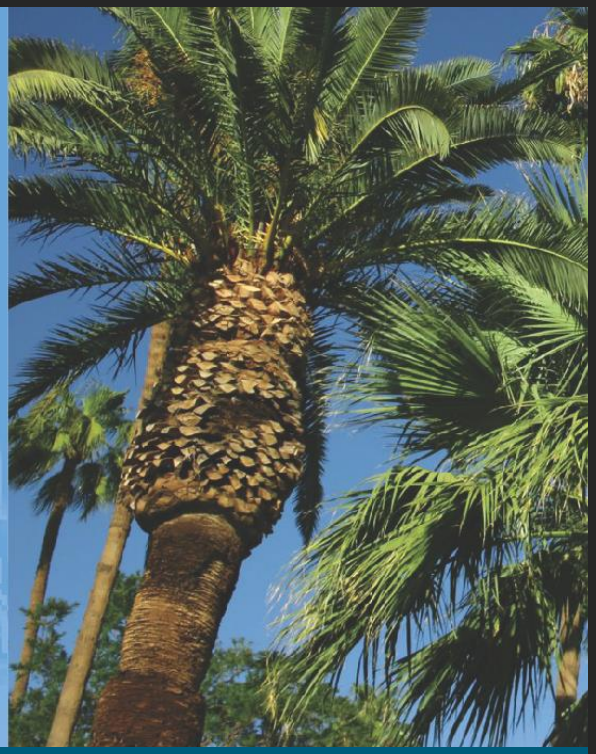


Los Angeles Gateway Region
Integrated Water Management Joint Powers Authority

IRWMP Stakeholders Meeting

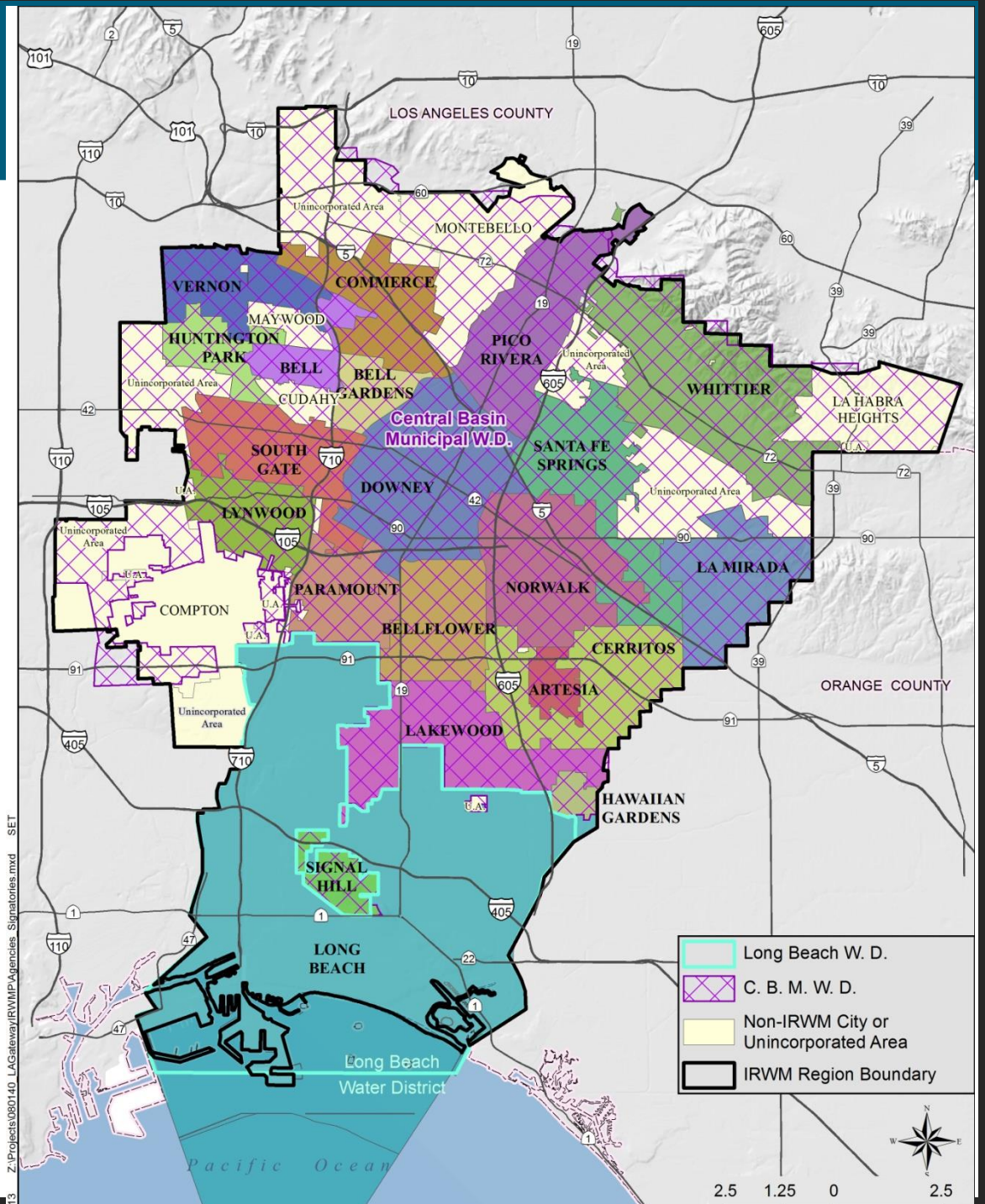
June 12, 2014

GEI Consultants

Presentation Agenda

1. Introductions
2. Status of IRWMP Grant Process
3. Overview of IRWMP Projects List Update Process
4. Proposed New Projects - *Drought*
5. Project Merged Ranking
6. Stakeholder and Public Comments
7. Questions

Gateway Region



Drought PSP

The Governor and Legislature have directed DWR to expedite the solicitation and award of $200 million in IRWM funding to support projects and programs that:

- Provide immediate regional drought preparedness
- Increase local water supply reliability and the delivery of safe drinking water
- Assist water suppliers and regions to implement conservation programs and measures that are not locally cost-effective
- Reduce water quality conflicts or ecosystem conflicts created by the drought

What we are hearing…

- **Shovel-Ready** Projects only!!!
- Governor's Office wanted $ on street this summer for drought, but settled for **implementation** by **April 15**.
- No Water Conservation Outreach / PR

Drought PSP: Other Requirements

To be eligible to receive IRWM Grant funding:

- each project must have **multiple benefits** (§75026.(a)).
    - Amount of water supply produced, saved, or recycled.
    - Water quality improvement (constituent)
    - Environmental benefits
    - Energy/GHG saved
- Projects **must be on IRWMP Project List**

Grant Schedule:

ANTICIPATED SCHEDULE OF FUTURE IRWM GRANT SOLICITATIONS

Activities	**Target Date**
2014 Drought Solicitation	
Release Draft Program Guidelines & PSP	April 3, 2014
Comments on Program Guidelines & PSP	May 15, 2014
Release Final Program Guidelines & PSP	June 2014
Applications Due	July 21, 2014
Announce Final Conditional Awards	September 2014
(Construction/Implementation by	*April 15, 2015)*
Round 3 Prop. 84 Implementation Grant (Pending FY 15-16 Appropriation)	
Release Draft Program Guidelines & PSP	Spring 2015
Release Final Program Guidelines & PSP	Summer 2015
Applications Due	Fall 2015
Announce Draft Recommendations	Winter 2016
Announce Final Awards	Spring 2016

IRWMP Project List: Review of Possible Drought Projects

Gateway Region IRWMP Project Index January 9, 2013

ID	Project Title	Participating Agencies	Submitting Agencies	Project Summary
1	Pico Rivera Emergency Intertie	Pico Water District	City of Pico Rivera	Construct interties between the City of Pico Rivera, Central Basin MWD, and Pico Water District to transfer water among agencies when there is a need and continue fully utilize the groundwater remediation wells to protect water quality of the region. CBMWD is in the process of decommissioning its Water Quality Protection Plan (WQPP) primarily due to lack of funding and the City plans on modifying the existing wells, piping, and pumping facilities to integrate them into the City water system. Majority of the City's production wells are over 50 years old and lost their well yield. This project will integrate an existing well of the CBMWD that was constructed less than 10 years ago to the City of Pico Rivera water system and continue pump groundwater as part of the cleanup process. Once completed, project will continue to provide ground water remediation, improve reliability of the City water system adding storage capacity, and provide assistance to neighboring agencies for emergency demand needs through inter-ties.
2	Advance Groundwater Wellhead Treatment Facility		City of Signal Hill	The Newport-Inglewood Fault runs directly through the City of Signal Hill. This unique geology essentially divides the City on a northwest axis, as well as provides a natural southern boundary for the Central Basin Groundwater Aquifer, preventing seawater intrusion from the south. However, the portion of the Central Basin Groundwater Aquifer that lies underneath the city limits directly north of the earthquake fault has a high concentration of organic color within the groundwater. This project will construct an advance water treatment wellhead facility that will remove the organic color and treat the City's "water source" for use as potable water supplies within the City.
3	Furman Park/Rio Hondo Elementary School Recycled Water Main Extension and Irrigation System Improvement Project		City of Downey	The project consists of the design and construction of an 8-inch recycled water main and associated facilities from the Rio Hondo Golf Course, east to Furman Park and the Rio Hondo Elementary School for landscape irrigation purposes. The total length of new pipeline will be 2,100 feet. In addition, the irrigation system at Furman Park will be replaced to eliminate an inefficient system that is over 20 years old and uses excessive amounts of potable water. An estimated recycled water demand of 56 acre-feet per year is projected from the two sites.
4	Groundwater Well Supply Rehabilitation Project		City of Signal Hill	This project rehabilitates two existing City groundwater supply wells located in the vicinity of Orange Ave. and Cherry Ave. Intersection and constructs a new groundwater supple well in the vicinity of Cherry Avenue and South Street. The City's two existing water supply wells both were constructed in the 1980's and are slowly losing groundwater production capabilities as they age. The rehabilitation/lining of these two existing wells will ensure the longest possible useable life of these facilities. The construction of a new water supply well will offset the loss of projection capacity from the two existing wells over time.
5	Bermudillo Park Well - Well No. 5 and water mains	City of Norwalk	City of Norwalk	Potable water well to serve the southern portion of the City's Municipal Water System
6	Installation of Catch Basin - Screening Devices (CPS/CRS)	City of Norwalk	City of Norwalk	Installation of CPS and ARS trash screening devices on 250 City and County owned catch basins located in Norwalk.
7	Los Angeles River Estuary Bacteria TMDL - Southeast Area Low Flow Diversion		City of Signal Hill	This project will construct a system that will divert low stormwater flows from an existing storm drain outfall that services approximately 50% the Los Angeles River watershed located within the City's boundaries directly into the Sanitary collection main for eventual treatment by the Los Angeles County Sanitation District. This project will prevent summer non-stormwater flows and "first flush" storm low flows from ultimately being emptied into the Hamilton Bowl Stormwater Retention facility and ultimately pumped into the lower Los Angeles River Estuary.
8	Los Angeles River Estuary Bacteria TMDL - Southwest Area Low Flow Diversion		City of Signal Hill	This project will construct a system that will divert low stormwater flows from an existing storm drain outfall that services approximately 40% the Los Angeles River watershed located within the City's boundaries directly into the Alamitos Sanitary Sewer Lift Station for eventual treatment by the Los Angeles County Sanitation District. This project will prevent summer non-stormwater flows and "first flush" storm flows from ultimately being emptied into the Hamilton Bowl Stormwater Retention facility and ultimately pumped into the lower Los Angeles River Estuary.

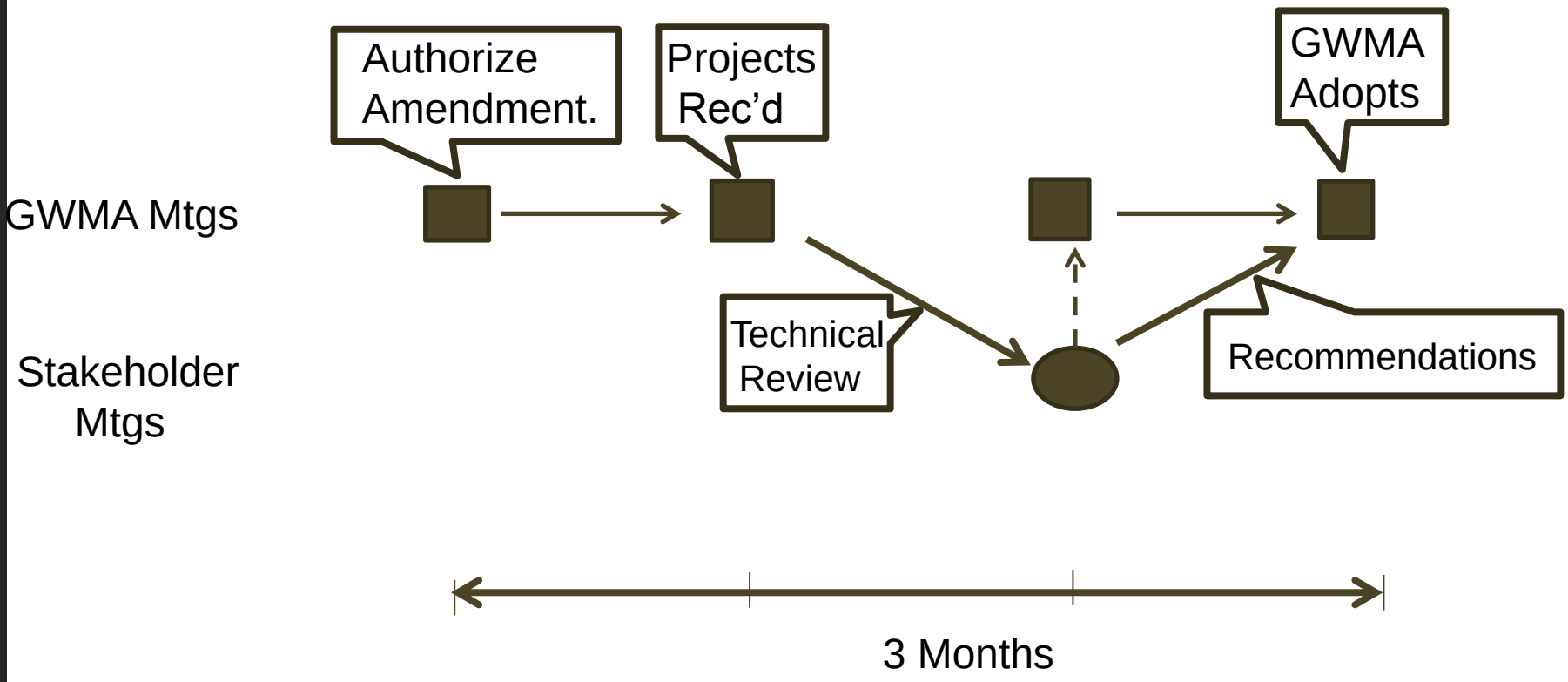
Reviewed the Projects on the Gateway IRWMP List. Most projects on the list were not the right type or would not be ready in time

IRWM Plan and Project Update

Project List Maintenance Process:

1. *Request to GWMA Board from Member or Stakeholder*
2. *GWMA authorizes Project List Amendment by vote and sets solicitation period (~15 day)*
3. *Members/stakeholders submit projects through submittal form*
4. *Assemble Technical Project Review Team*
5. *Technical Review Team reviews submittals and screens and ranks projects using previously developed ranking criteria*
6. *Technical Review Committee presents to Stakeholders*
7. *Stakeholders recommend Updated List to GWMA for adoption*
8. *GWMA adopts list*

IRWM Plan and Project Update



*Typical Amendment timetable - can be shortened as needed

Resubmittal

Signal Hill Advanced Groundwater Wellhead Treatment Facility (Signal Hill) $6.017M w/ $3.0M match

- This project will construct an advanced water treatment wellhead facility that will remove the organic color and treat this "new water source" for use as potable water supplies within the City. allowing the City to obtain a new potable water source with treatment from an otherwise unusable groundwater source, create an opportunity to enhance local water supplies and reduce the City's reliance on purchasing imported water from Metropolitan Water District, and improve the groundwater quality. (Previously submitted for Implementation Grant Funding).

New Projects

Cerritos/Forest Lawn Cypress Recycled Water System Extension (City of Cerritos) $1.5M w/$500k match

- This project will extend the City of Cerrito's Recycled Water System to Forest Lawn Cemetery in the City of Cypress. The project will construct approximately 7,000 lineal feet of 12 inch recycled water main from the City of Cerritos through Lakewood and Cypress and convert the existing Forest Lawn Cemetery irrigation system from potable water to recycled water.

New Projects

Miles Avenue Well Site Nitrate Blending Improvements (City of Huntington Park) $300k grant w/ $100k match

- Huntington Park's Miles Avenue well site was taken out of production by order of the CA Health Department due to high nitrate levels. This water blending project will allow use of this well water and the City to rely on local water sources for 100% of its needs and free up demand for approximately 1,000 acre-feet annually of imported water. In addition to nitrates groundwater at this site exceeds the MCL for VOCs and the project includes the restoration of an activated carbon treatment facility.

Technical Project Review Team

Assignments:

Review Subject Areas	Reviewer							
	Matt Zidar	Melissa Cansdale	**Bill Bennett**	**Lorena Ospina**	**Kwabena Asante**	**Ginger Gillan**	**Gina Nila**	**Loraine White**
Project Feasibility	☒	☒	☒			☒		
Integration	☒	☒	☒			☒		
Environmental Justice	☒		☒					☒
Climate Change					☒			
DAC Issues				☒			☒	
Land Use	☒		☒					
Questions to Answer	All but Climate and DAC	All but Climate, DAC, and Env.Justice	All but Climate and DAC	DAC Only	Climate Only	All but Climate, DAC, and Env.Justice	DAC Only	Env.Justice Only

Reviewers

Matt Zidar

Role/Responsibilities: IRWMP Advisor/Mr. Zidar will advise the team on the overall IRWMP approach, DAC involvement,k and will review task products.

Years of Experience: 28

Firm/Current/Proposed Location: GEI Consultants, Inc./Sacramento

Kwabena Asante, PhD, PE

Role/Responsibilities: Climate/Dr. Asante will lead climate change vulnerability and mitigation analyses.

Years of Experience: 15

Firm/Current/Proposed Location: GEI Consultants, Inc./Sacramento

Reviewers

Lorena Ospina

Role/Responsibilities: As Lead Planner and Urban Water Conservation consultant, Ms. Ospina will lead the Water Conservation Element and Urban Demand Analysis with emphasis on evaluation of existing demand management and formulation of programs to help achieve urban conservation requirements. Ms. Ospina will oversee the analysis and development of water supply reliability and demand forecasting for the region. She will also assist in the coordination of stakeholder involvement and outreach to the DACs to assist in the development of projects.

Years of Experience: 16

Firm/Current/Proposed Location: GEI Consultants, Inc./Glendale

Reviewers

Ginger Gillin

Role/Responsibilities: CEQA Environmental Documents Requirements, Fish Passage/Ms. Gillin will advise the IRWM team of the need for CEQA compliance for the IRWMP development and for projects that are integrated into the IRWMP.

Years of Experience: 29

Firm/Current/Proposed Location: GEI Consultants, Inc./Portland

Also:
Melissa Cansdale for Aaron McWilliams, PE - GEI (20x2020)

Loraine White, Planner

Project Score Sheet

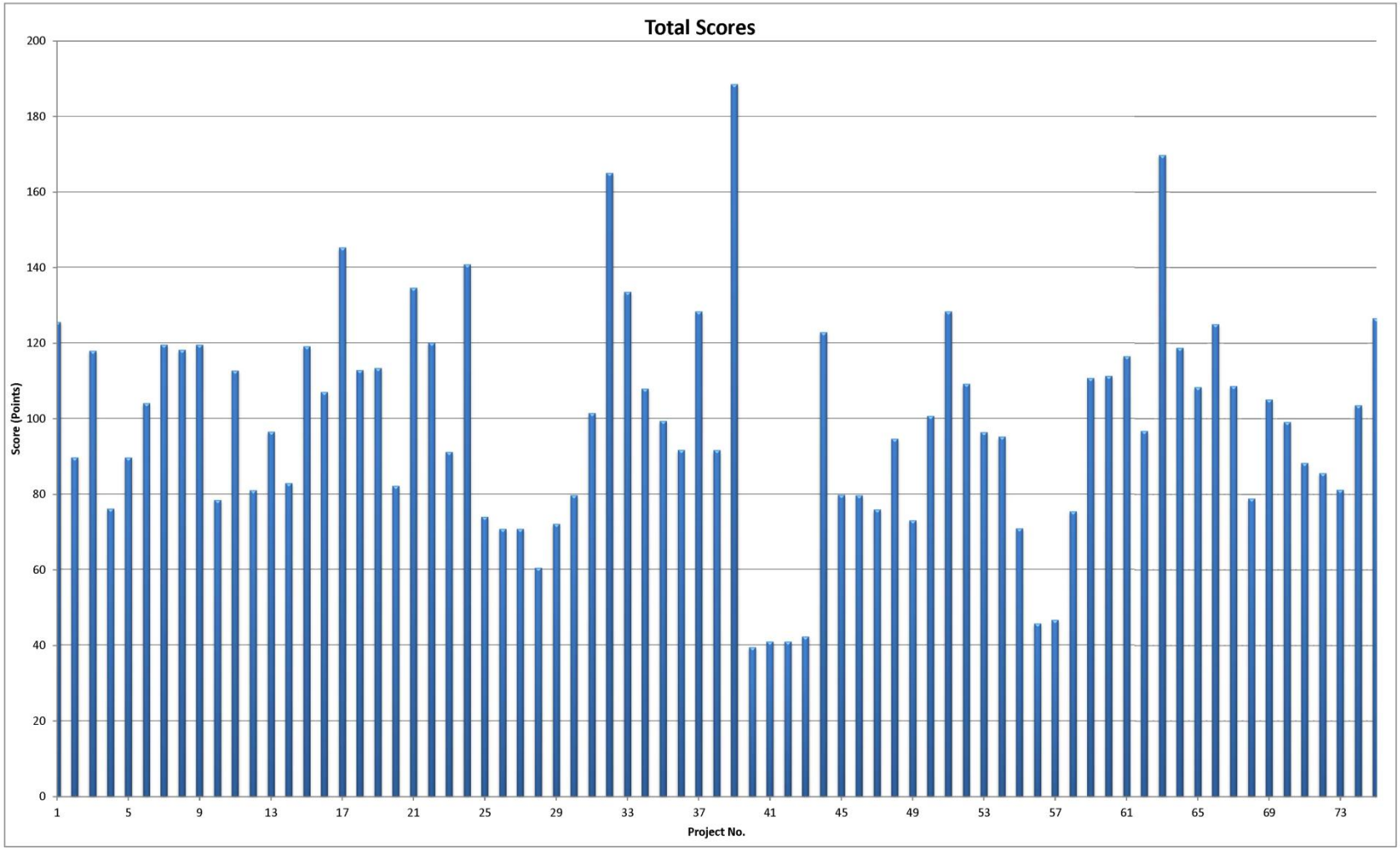
Project Title		Project ID	1		
Reviewer					

	Criteria	How Well Does the Project Meet the Criteria?	Factor Weight	Total Points	Reviewer Comments
		0-5	*1-3*		
Regional Goals	Identify and address the water dependent natural resources needs of the Gateway Region Watersheds.			0	
	Protect and enhance water quality. *Objectives: Attain required TMDL levels in accordance with their individual schedules; Effectively reduce major sources of pollutants and environmental stressors in the region.*			0	
	Optimize and ensure water supply reliability. *Objectives: Continue and enhance water use efficiency measures to meet 20X2020 per capita water use targets; Expand regional water recycling facilities and recycled water distribution to help provide reliable water sources; Systematically upgrade aging water infrastructure in the Region.*		3	0	IRWMP Goals
	Coordinate and integrate water resource management.			0	
	Provide stewardship of the Region's water dependent natural resources through enhancement of amenities and infrastructure. *Objective: Create habitat, open space, and water-based recreational opportunities in the Region.*			0	
	Manage flood and storm waters to reduce flood risk and water quality impacts. *Objective: Install or optimize water monitoring to effectively manage storm water in the Region. Obtain, manage, and assess water resources data and information.*			0	

Factors

Requirements

Project Ranking



Updated Ranked Project List - Handout

GATEWAY IRWMP PROJECT RANKING JUNE 2014 UPDATE

RANK	ID	PROJECT TITLE	Score
1	39	Fernwood Water Improvement Park	189
2	63	Willow Springs Habitat Enhancement, Trail Improvement and Water Quality Improvements	170
3	32	West San Gabriel River Parkway Phase 3 Development	165
4	17	Outfall Monitoring	145
5	24	Bellflower NPDES Permit and TMDL Compliance Stormwater Improvements	141
6	21	Shallow Wells Abandonment	135
7	33	Catch Basin Trash Inserts and Face Plate Screens	134
8	51	Cesar Chavez Park Recycled Water irrigation Project	128
8	37	Disadvantaged Communities Schools Retrofit Program	128
10	75	Miles Avenue Wellsite Nitrate Blending Improvements*	127
11	1	Pico Rivera Emergency Intertie	126
12	66	El Dorado Park Duck Pond Water Quality and Habitat Improvements	125
13	44	Optimization of Strategies to Reduce Stormwater Impacts on Surface Water Quality based on Cost-Effectiveness	123
14	22	Small System Infrastructure Rehabilitation Project	120
15	7	Los Angeles River Estuary Bacteria TMDL - Southeast Area Low Flow Diversion	120
15	9	Los Cerritos Channel Metals TMDL - Low Flow Diversion	120

Analysis of State Requirements and Factors - Handout

Project No.	Project	Benefits DAC	Economic Feasibility	Timeliness, Project Status	Technical Feasibility	Permitting	Costs and Funding	Provide Multiple Benefits	Integration with Land Use Plans	Provides Regional Benefits	Environmental Justice	State Preferences	Statewide Priorities	Climate Change Adaptation *(How well does the project adapt to climate change?)*
1	Pico Rivera Emergency Intertie	2.7	8.1	10.6	11.3	6.5	7.5	6.0	4.5	5.0	6.0	5.0	5.6	6.0
2	Advance Groundwater Wellhead Treatment Facility	2.7	6.9	8.1	10.5	1.5	6.9	4.0	3.5	1.9	4.0	1.5	5.3	4.0
3	Furman Park/Rio Hondo Elementary School Recycled Water Main Extension and Irrigation System Improvement Project	3.3	6.3	8.8	12.8	6.5	6.9	5.0	3.5	3.8	4.0	4.0	7.5	6.0
4	Groundwater Well Supple Reliability Project	1.3	8.1	8.1	6.0	0.0	6.3	2.5	3.5	1.9	3.3	1.0	4.4	4.0
5	Hermosillo Park Well - Well No. 9 and water mains	2.0	8.1	8.8	12.0	5.0	7.5	2.0	4.5	3.1	3.3	2.0	3.1	4.0
6	Installation of Catch Basin - Screening Devices (ARS/CPS)	0.7	7.5	9.4	6.8	0.0	6.9	2.0	3.0	6.3	4.7	5.0	6.3	8.0
7	Los Angeles River Estuary Bacteria TMDL - Southeast Area Low Flow Diversion	1.3	0.0	6.9	8.3	0.0	0.0	5.0	4.0	9.4	5.3	2.0	6.9	6.0
8	Los Angeles River Estuary Bacteria TMDL - Southwest Area Low Flow Diversion	0.0	0.0	6.9	8.3	0.0	0.0	5.0	4.0	9.4	5.3	2.0	6.9	6.0
9	Los Cerritos Channel Metals TMDL - Low Flow Diversion	1.3	0.0	6.9	8.3	0.0	0.0	5.0	4.0	9.4	5.3	2.0	6.9	6.0
10	MWD West Coast Feeder Connection and Transmission Main	4.7	6.3	2.5	5.3	0.0	5.6	1.5	4.0	1.9	4.7	3.5	5.6	6.0
11	New Groundwater Well	1.3	7.5	10.0	12.8	5.0	9.4	4.5	4.0	1.9	4.0	4.5	5.6	8.0
12	New Water Well	4.7	6.3	2.5	6.0	0.5	4.4	2.5	4.5	1.9	4.0	4.0	6.9	6.0
13	Bellflower Municipal Water Distribution System Reconstruction	2.0	6.3	8.1	10.5	4.0	5.6	3.5	4.5	1.3	4.7	3.0	5.6	4.0
14	New Water Well	4.7	6.9	2.5	6.8	0.5	4.4	2.5	4.5	1.9	4.0	4.0	6.9	6.0
15	Norwalk Park Reservoir and Booster Pump Station	2.0	6.3	5.0	9.8	7.5	7.5	6.0	5.0	3.8	4.0	5.0	6.9	8.0
16	Norwalk Water Main/Meter Replacements - Gridley to Maidstone	2.7	6.9	10.0	12.0	0.5	7.5	3.5	3.5	0.6	4.0	6.5	8.1	6.0

Comments? Questions?

- Purpose: Project List Recommendations to GWMA
- (Additional Projects for Implementation Grants later)

Thanks for your help !!