

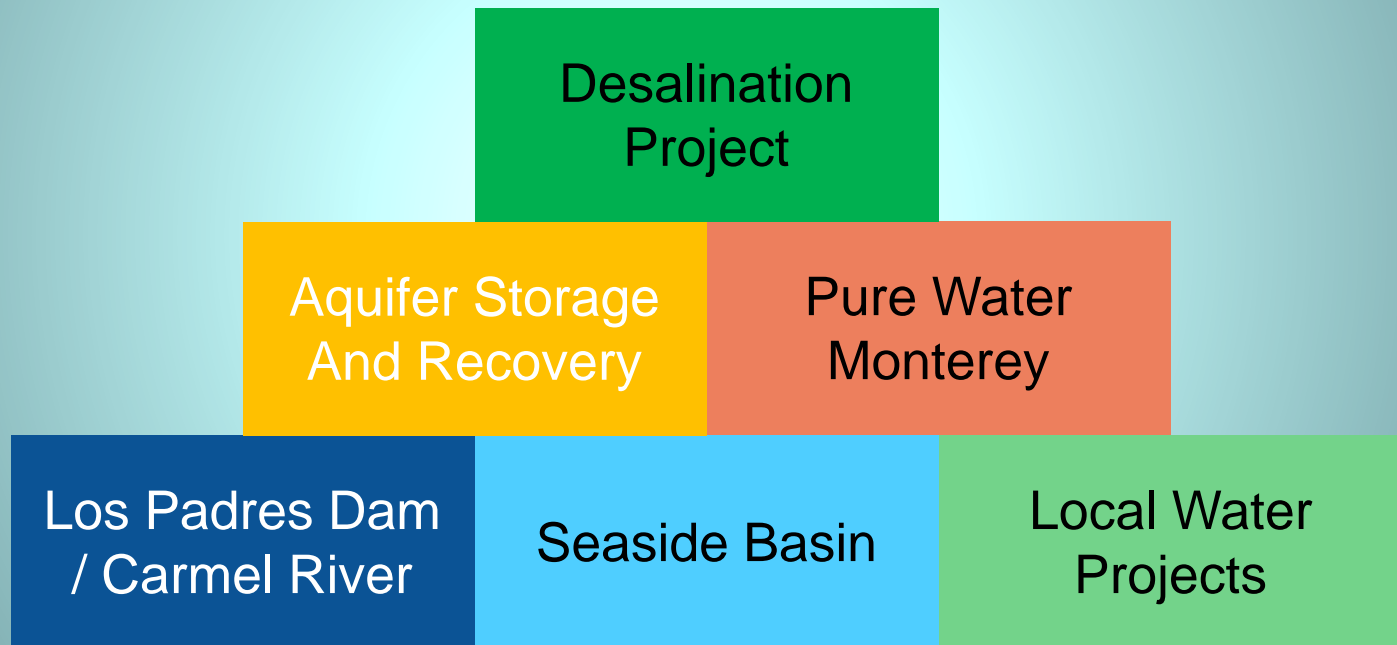


# General Manager's Report Item 29:

## Update on Development of Water Supply Projects

*June 18, 2018*  
*David J. Stoldt*

# The Water Supply Portfolio



# Project Sizing

Demand	Supply
13,290 AF average customer demand	3,376 AF legally from Carmel River (2017)
500 AF for economic recovery	1,474 AF legally from Seaside Basin (2021)
325 AF for Pebble Beach buildout	(700) AF Cal-Am intends to leave in the Seaside Basin for recharge for 25 years
1,181 AF for legal lots of record	94 AF available from Sand City long term
-----	1,300 AF assumed available from ASR
15,296 AF total demand	3,500 AF from Pure Water Monterey
	6,252 AF from Desalination Plant
	-----
	15,296 AF total supply

# Pure Water Monterey Update

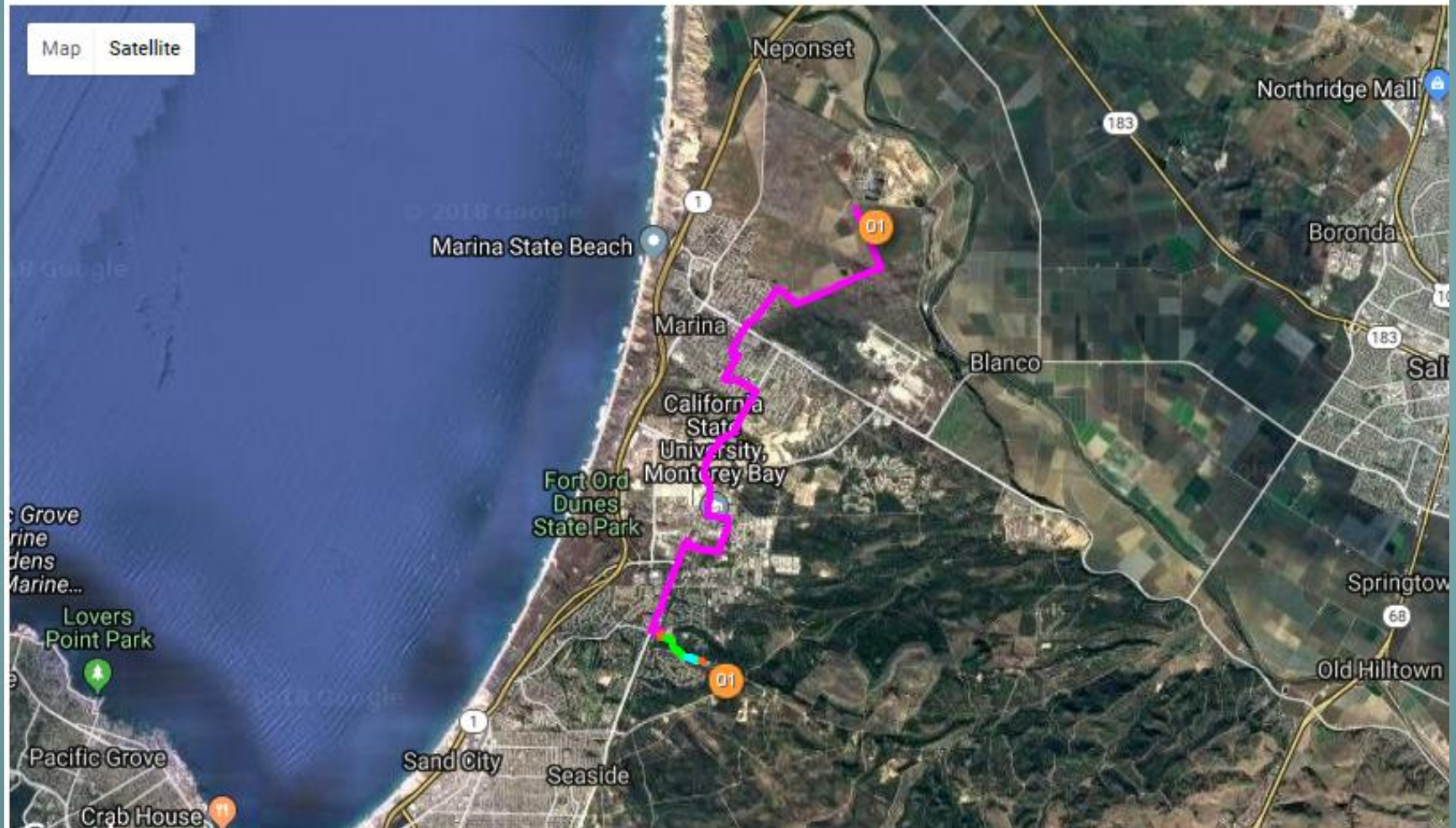
## COMPONENT UPDATE HIGHLIGHTS

- Source Waters
- Advanced Water Purification Facility
- Conveyance pipeline (see next page)
- Injection wells



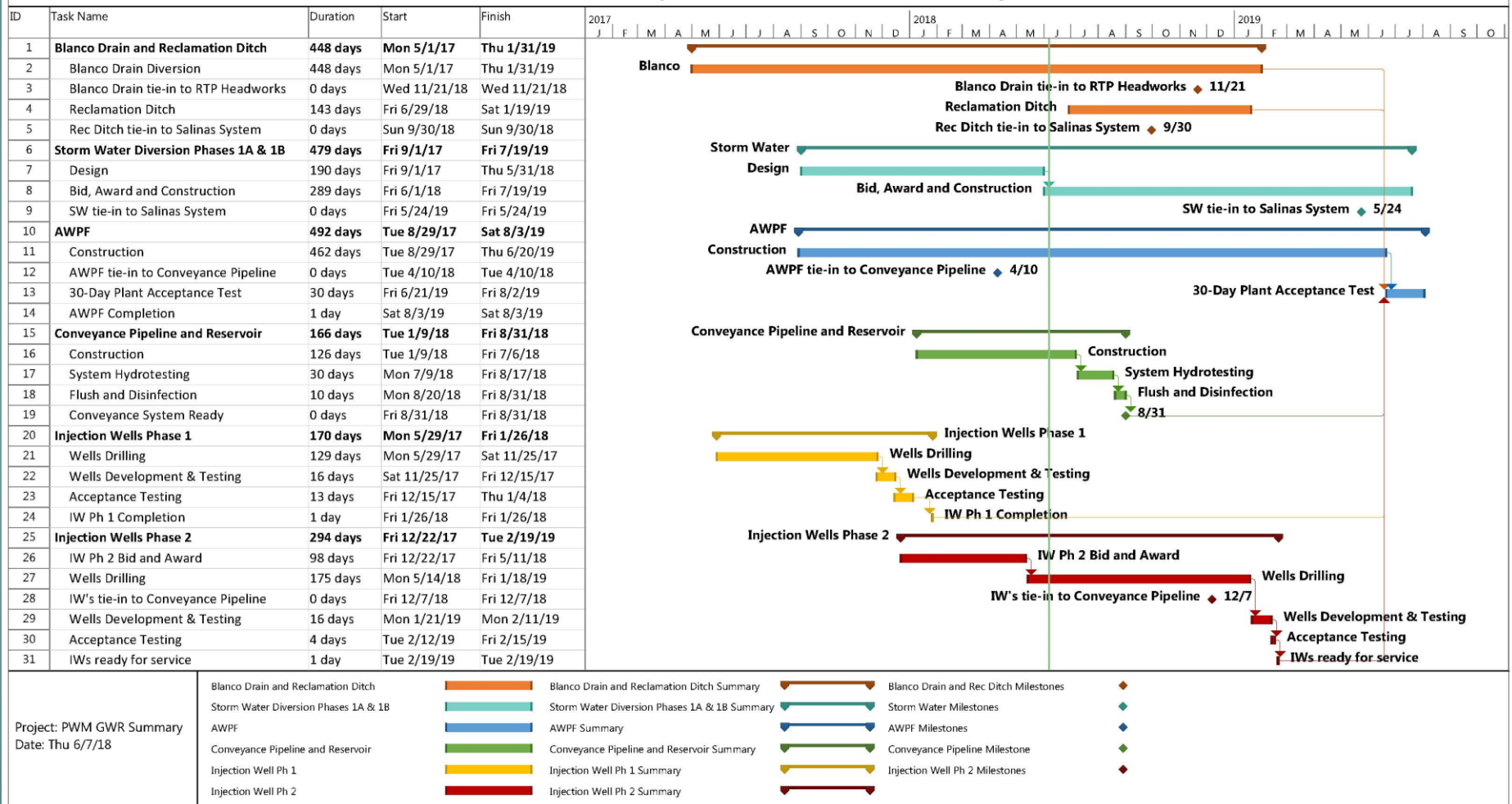
# Pure Water Monterey Pipeline

– Prior to construction – 2 Weeks look ahead – Under Active/Ongoing Construction – Complete



# Pure Water Monterey Schedule

Pure Water Monterey Executive Schedule for 6-14-18 RWC Meeting



# Pure Water Monterey Expenditures

	<b>Expenditures from 2006 - FY 16/17</b>	<b>FY 2017/18 Approved Budget</b>	<b>Costs to Date FY2017/18</b>	<b>Change Orders to Date</b>	<b>FY 2017/18 Costs during May 2018</b>
Combined Categories	\$23,100,108				
Advanced Water Purification		\$31,197,000	\$16,938,460	\$519,175.66	\$294,669
Source Water Facilities		7,068,655	4,035,916	\$38,586.05	490,527
Injection Wells-Phase I		1,371,000	1,674,671	\$36,399.02	45,014
Injection Wells-Phase II		3,101,000	694,126		196,005
Pipeline Conveyance System		26,083,000	8,033		2,503
<b>TOTALS</b>	\$23,100,108	\$68,820,655	\$23,351,206	\$594,160.73	\$1,028,718



# Pure Water Monterey Funding

## Funding and Reimbursements

Organization	Funding 2006 – FY 16/17	FY17/18 Approved Budget	FY17/18 Amounts Billed <sup>(1)</sup>	FY 17/18 Amounts Received
General Fund	7,204,996	-	-	-
Watermaster	100,000	-	-	-
MPWMD	12,233,955	-	-	-
SRF Facilities Grant	74,883	-	-	-
SRF Loan <sup>(1)</sup>	3,336,483	56,187,655	41,142,584	30,583,519
Prop. 1 Grant - GWR	-	6,711,000	-	-
Prop. 1 Grant - Stormwater	-	1,569,000	387,537	362,684
MCWD <sup>(2)</sup>	-	4,353,000	-	-
BOR Title 16 Feasibility Water SMART Grant / Other Resource	149,791	-	-	-
<b>TOTALS</b>	<b>\$23,100,108</b>	<b>\$68,820,655</b>		

(1) SRF loan requests for Source water facilities and Advance water purification were sent out in May.

(2) Represents MCWD 13.953% current year contribution for the Advanced Water Purification Facility.



# Pure Water Monterey

- New “Fact Sheet” on Constituents of Emerging Concern (CECs) posted at: <http://purewatermonterey.org/wp/wp-content/uploads/Pure-Water-Monterey-CEC-Fact-Sheet-0518.pdf>
- “Fact Sheet” on Pesticides is posted at: <http://purewatermonterey.org/faqs/additional-questions/>

# Desalination Plant and Pipeline





## Cal-Am Monterey Pipeline





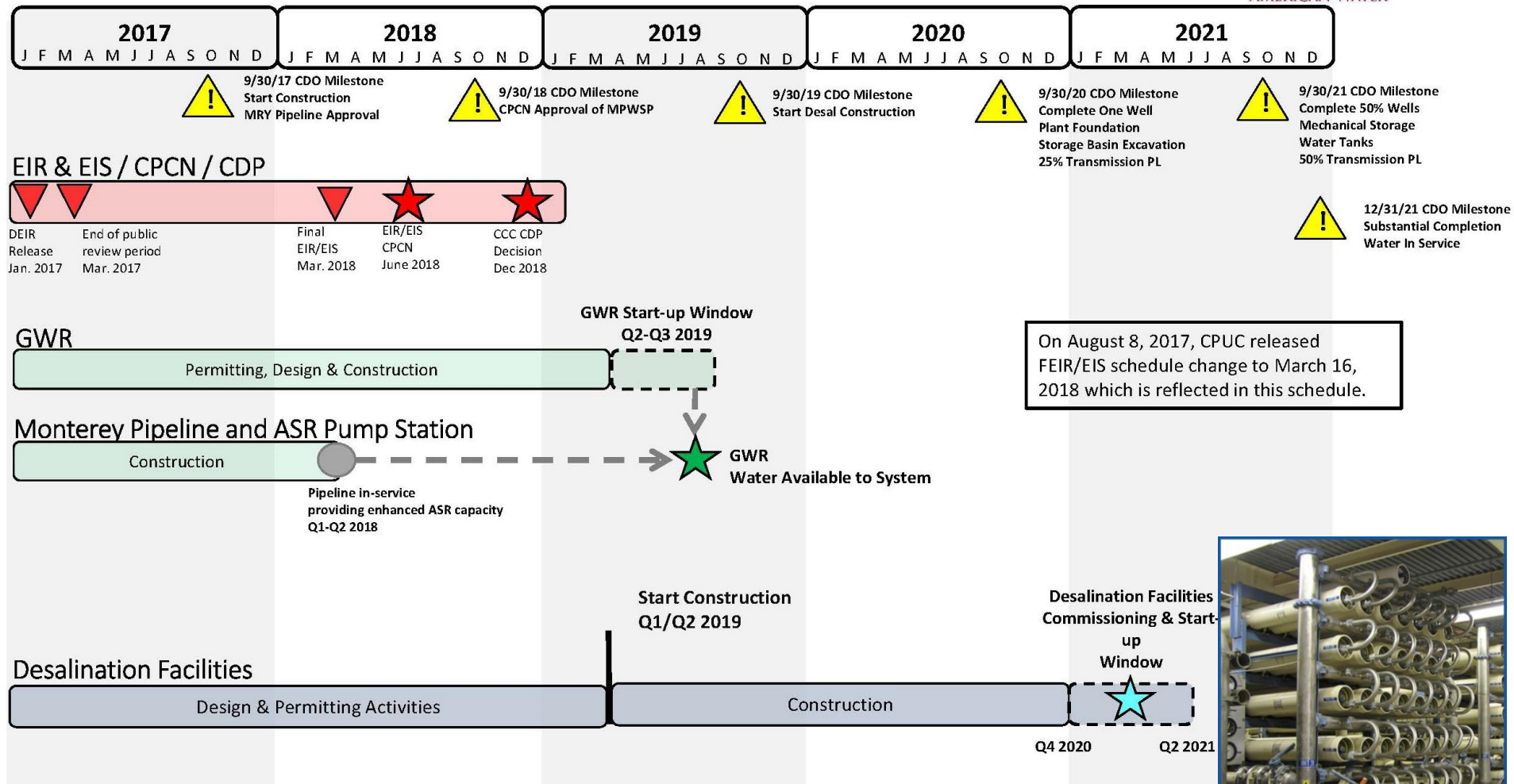
## June 5<sup>th</sup> Monterey Pipeline Bridge Installation





# Desalination Plant and Pipeline

AMERICAN WATER



# Cal-Am MPWSP Expenditures thru March 31, 2018

	Total	Percent	Expended
<u>Project Component</u>	<u>Cost Est</u>	<u>to Date</u>	<u>to Date</u>
Intake and Supply Return	\$ 79,000,000	31%	\$ 24,490,000
Desal Plant	\$ 115,000,000	19%	\$ 21,850,000
Pipelines	\$ 128,000,000	53%	\$ 67,840,000
Pre-Construction	<u>\$ 8,000,000</u>	100%	<u>\$ 8,000,000</u>
	\$ 330,000,000		\$ 122,180,000

# Milestones for Potential 1,000 AF Reduction in Limit

**2016. CPUC Approves Pure Water Monterey**

**2017. Start Construction of Cal-Am Pipeline**

**2018. CPUC Approves Desalination Plant**

2019. Start Construction of Desalination Plant

2020. Drill Source Wells

2021. Substantial Completion

# Milestone Compliance



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June 5, 2018

## UPS OVERNIGHT & EMAIL

Erik Ek Dahl  
Deputy Director, Division of Water Rights  
State Water Resources Control Board  
P.O. Box 2000  
Sacramento, California 95812

### **Re: Joint Annual Report – Satisfaction of Milestone 3**

Dear Mr. Ek Dahl,

California-American Water Company ("Cal Am") is providing this joint annual report in accordance with SWRCB Order 2016-0016 Section 3.b.viii.

Joint Annual Report: Commencing in water year 2016-2017, at least 120 days prior to each Milestone Deadline described in Condition 3.b.v, Cal-Am, in coordination with Applicants, shall submit a joint report to the Deputy Director for Water Rights, describing progress towards that Milestone...

In accordance with the Order, Milestone 3 must be satisfied by September 30, 2018.

Milestone 3 - Issuance of a Certificate of Public Convenience and Necessity (CPCN) to Construct the Monterey Peninsula Water Supply Project Desalination Plant ("MPWSP Desalination Plant") by the California Public Utilities Commission.

Briefing on the Final EIR/EIS by parties to the proceeding before the CPUC was completed on May 3, 2018. The CPUC now has before it everything necessary to complete the environmental review and issue the CPCN, and there has been no indication that the CPUC will not approve the project and issue the CPCN by September 30, 2018. California American Water is optimistic that the final decision will occur before the Milestone 3 deadline.



# CPUC Schedule

## FOURTH AMENDED SCOPING MEMO AND RULING OF THE ASSIGNED COMMISSIONER EXTENDING DEADLINE TO DECEMBER 31, 2018

### Summary

The statutory deadline to complete this proceeding is extended to December 31, 2018.

If the final joint EIR/EIS is published on March 30, 2018, opening briefs will be due April 19, 2018, with reply briefs due May 3, 2018, and the proceeding will be submitted for Commission decision on May 3, 2018, or if oral argument is requested the matter will be submitted on the date of oral argument. A proposed decision must be filed and served within 90 days of submission, or by August 1, 2018 (or by 90 days from the date of oral argument). If filed on August 1, 2018, the Commission cannot reach its decision before August 31, 2018. No Commission meeting is scheduled for August 31, 2018. Commission meetings in September 2018 are scheduled for September 13 and September 27.

Therefore, an extension to December 31, 2018 allows time for the currently planned completion of the joint EIR/EIS, briefing on EIR issues, preparation of a proposed decision, and consideration of the matter by the Commission in September 2018. It also provides three months as a reasonable amount of additional time for other possible limited contingencies.



**FILED**

03/14/18

03:25 PM

# Local Water Projects

Project	Status
<b>Pacific Grove</b> <b>\$200,000</b>	Local Water Project complete – Will save 88 AFY / Stormwater study complete – All grants fully utilized; City Council Sub-Committee studying allocation
<b>Old Del Monte Golf Course</b> <b>\$80,000</b>	Two wells completed; Pebble Beach Company put storage component on temporary hold
<b>Monterey Regional Airport</b> <b>\$30,000</b>	Completed study; Identified 104 AFY of non-potable supply; Will attempt to find users in FY 2018/19
<b>City of Monterey</b> <b>\$85,000</b>	Storm water capture study under way
<b>City of Seaside</b> <b>\$106,900</b>	Laguna Grande non-potable well; No expenditures to date; Extended 2 years

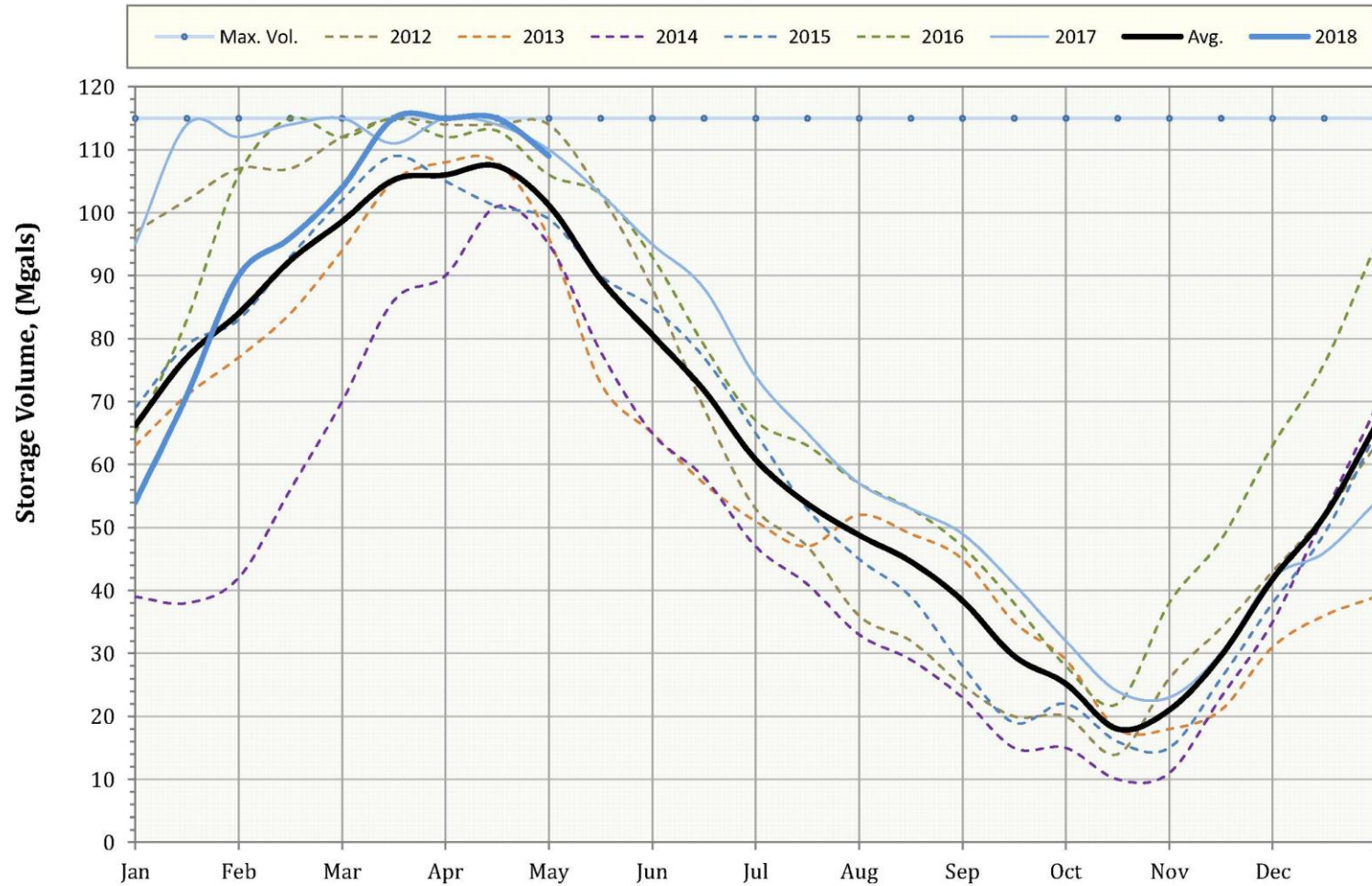
# Malpaso (Odello) Water Thru 5-31-18

Assignments	Water Use Permits	Water Permits
An assignment is the evidence of sale of the water entitlement from Malpaso LLC to the property owner. It is recorded on title to the property.	A water use permit issued by the District acknowledges the entitlement and is filed with the District's property file. Not all entitlement holders execute this step.	When building plans are ready, the District will issue a water permit based on the water available from the entitlement.
To date: 58.86 AF	28.23 AF	9.237 AF
Remaining: 21.14 AF		
Total #: 338	143	85
Residential #: 310		
Non-Residential or Mixed #: 28		

# Reclamation Project Thru May 4, 2018

## Forest Lake Reservoir Storage Volume Current vs Historic

Current Volume: 109





## Reclamation Project – Recycled Water Deliveries Potable Water Savings

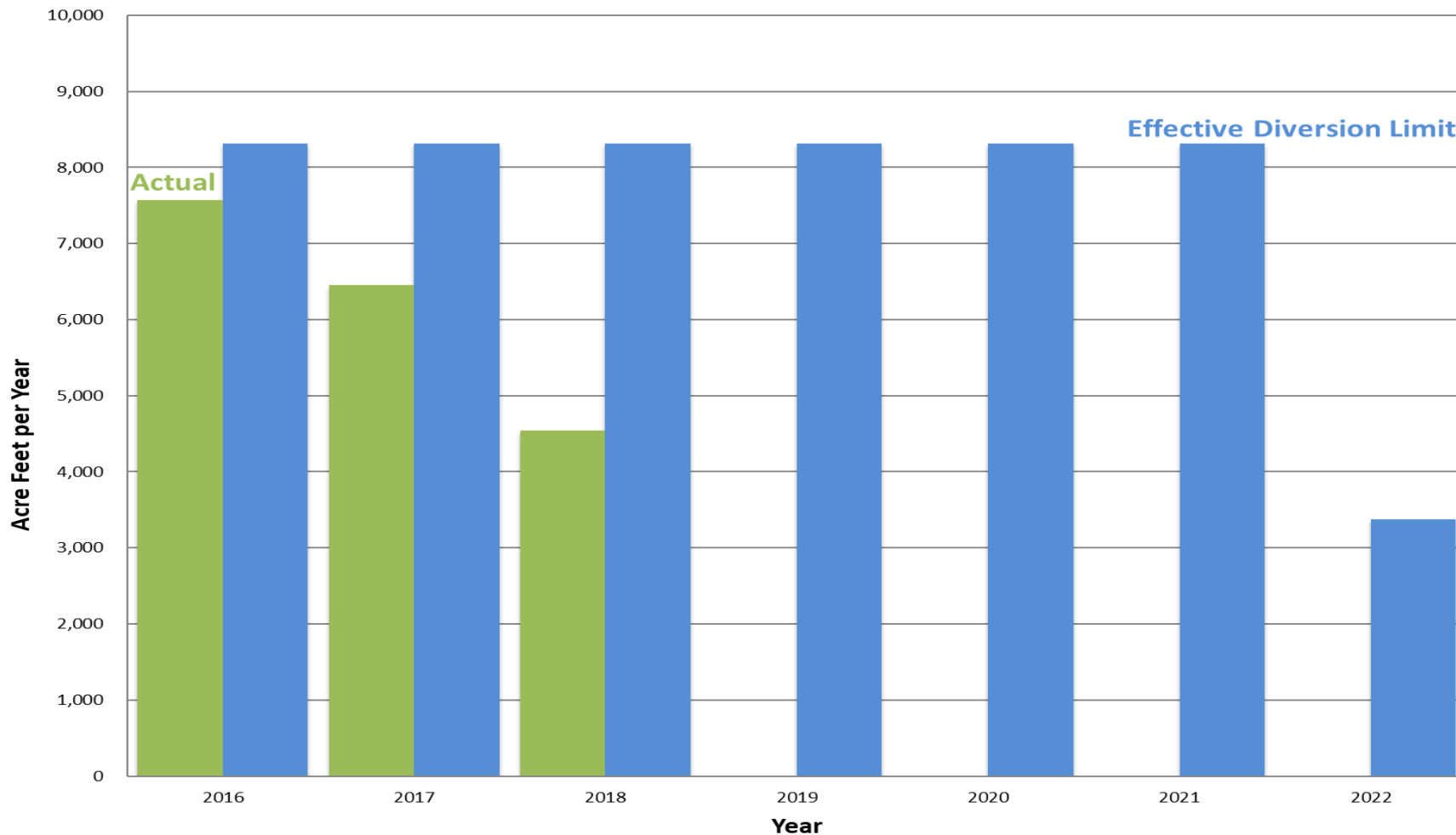
2017 Calendar Year	5 Year Average	22 Year Average	2018 Year to Date
996 AF	973 AF	950 AF	108 AF

## Other

- ASR delivered 530 AF to injection this year
- DeepWater Desal still in negotiation with potential equity partner

# Compliance with CDO Effective Diversion Limit

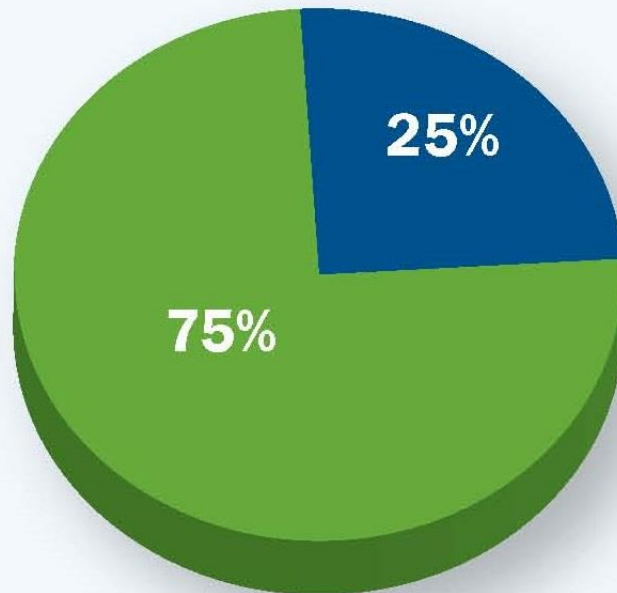
**Cal-Am Carmel River Production**  
*Compared to*  
**SWRCB Effective Diversion Limit**



“Actual” Caps Diversions to ASR at 600 AF

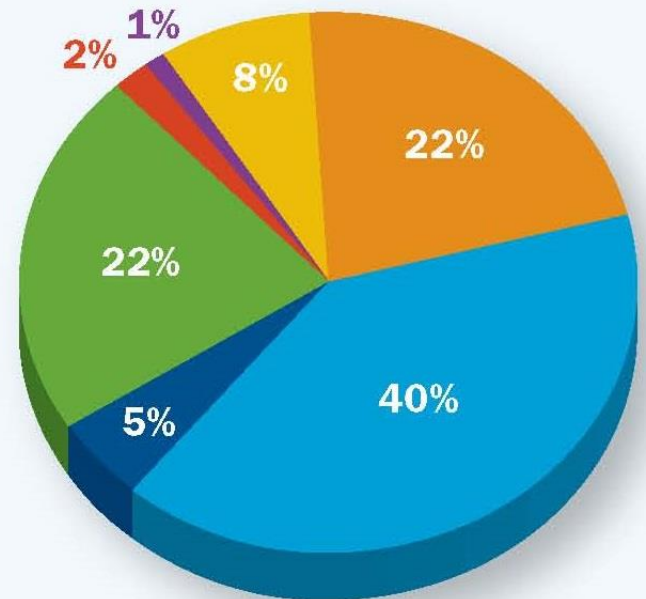
# Changing Sources of Supply on the Monterey Peninsula

## Traditional Sources



■ Seaside Basin  
■ Carmel River

## Proposed Water Sources



■ Groundwater Replenishment  
■ Desalination  
■ Seaside Basin  
■ Carmel River  
■ Sand City  
■ Pacific Grove  
■ Aquifer Storage Recovery

The Water Supply Project will diversify the Monterey Peninsula's water supply portfolio. These new sources of water will be sustainable and help protect against drought while also protecting the natural resources of the Carmel River.