



General Manager's Report

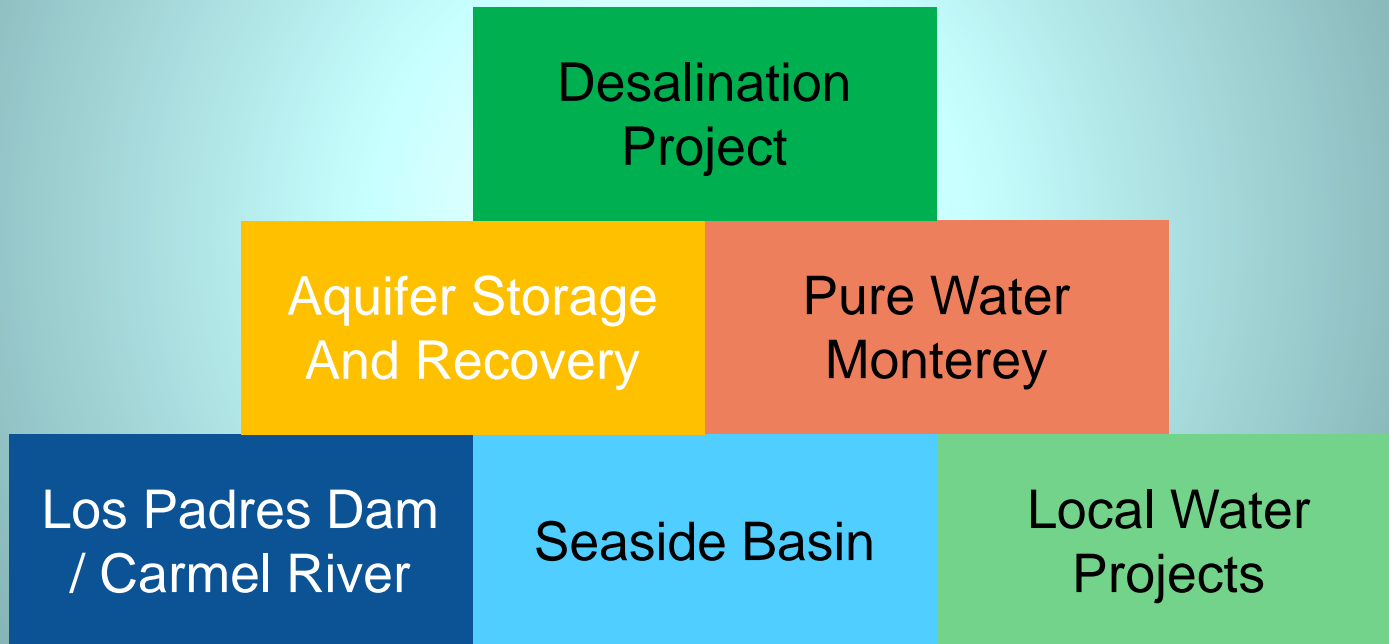
Item 15:



Update on Development of Water Supply Projects

January 24, 2018
David J. Stoldt

The Water Supply Portfolio



Project Sizing

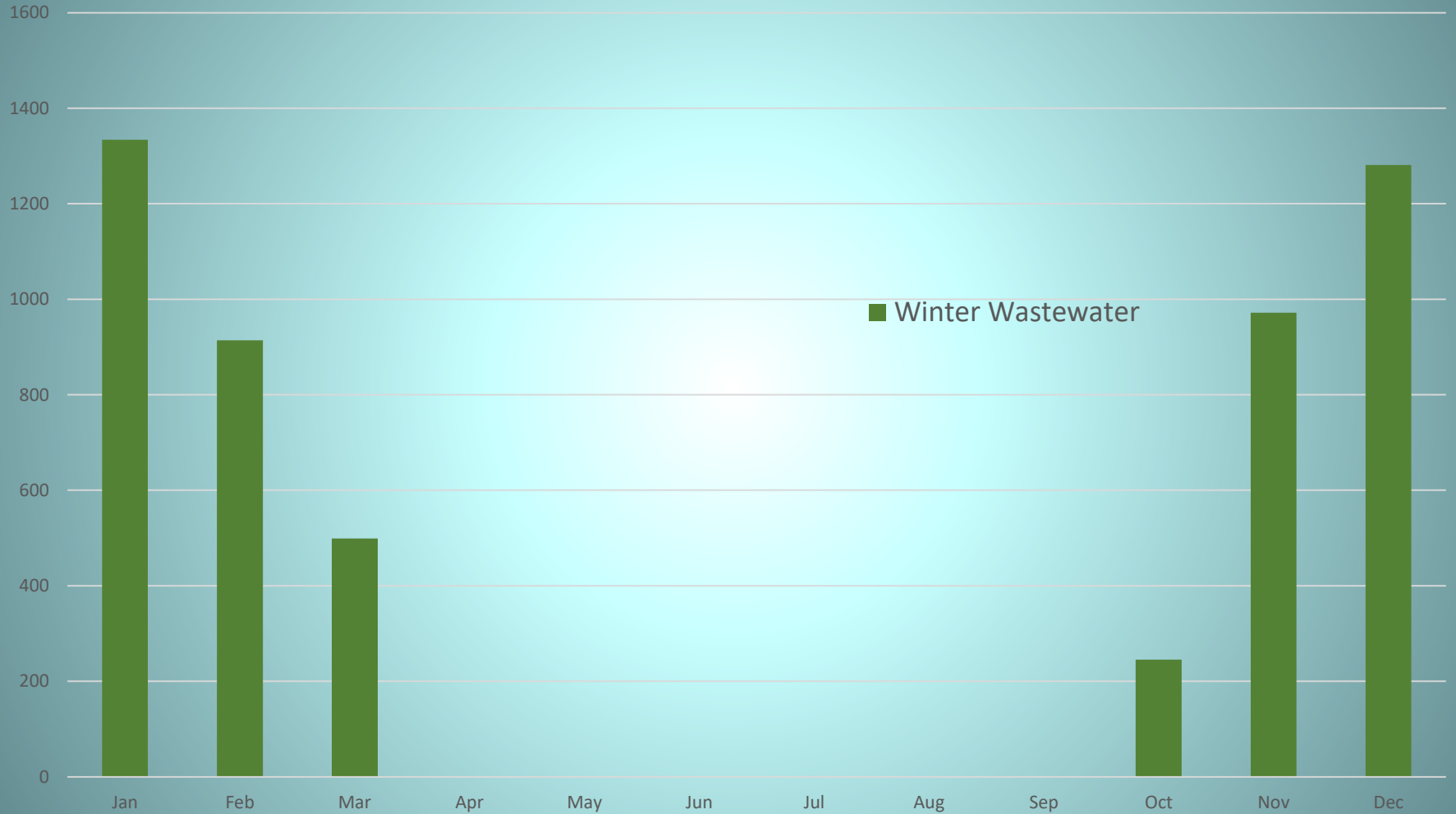
Demand	Supply
13,290 AF average customer demand	3,376 AF legally from Carmel River (2017)
500 AF for economic recovery	1,474 AF legally from Seaside Basin (2021)
325 AF for Pebble Beach buildout	(700) AF Cal-Am intends to leave in the Seaside Basin for recharge for 25 years
1,181 AF for legal lots of 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

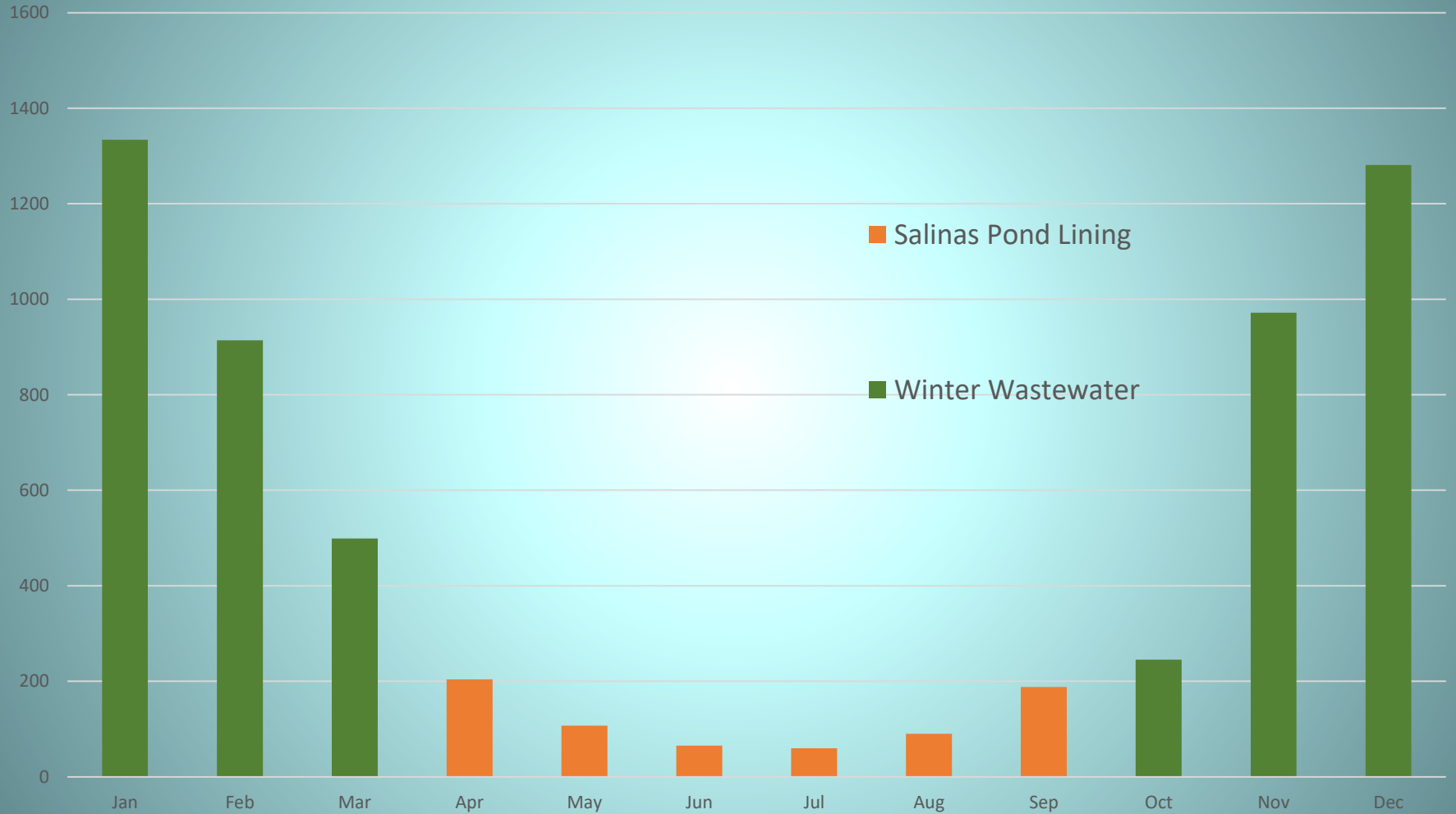
Pure Water Monterey

- Expansion discussed in the context of Settlement talks
- Letters opposing any additional Salinas Valley source waters
- General confusion about the conditions for expansion and source waters
- To produce additional 2,250 AF must collect 2,760 AF – yet over 6,000 AF are available

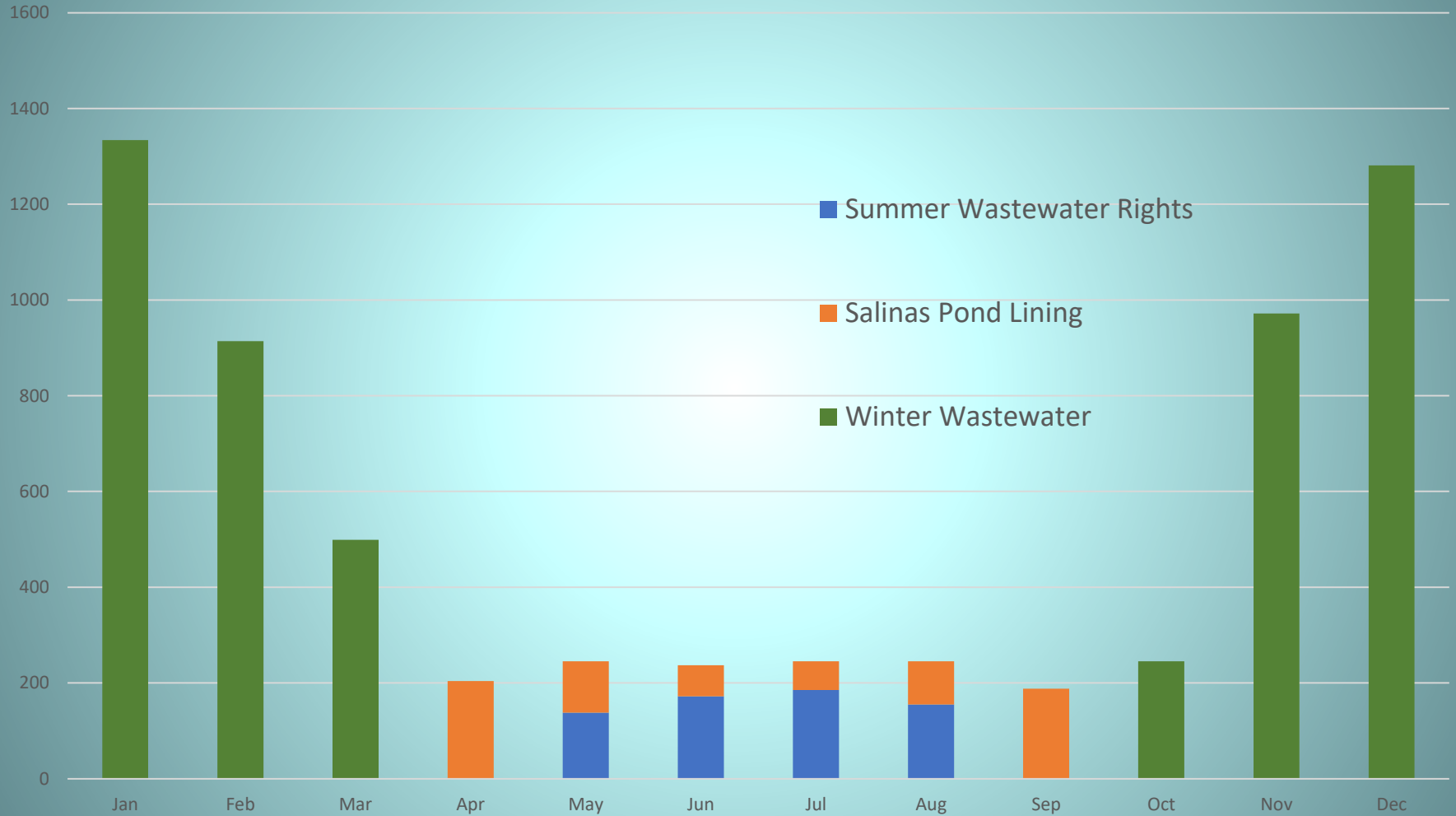
Source Water Available for Expansion



Source Water Available for Expansion



Source Water Available for Expansion

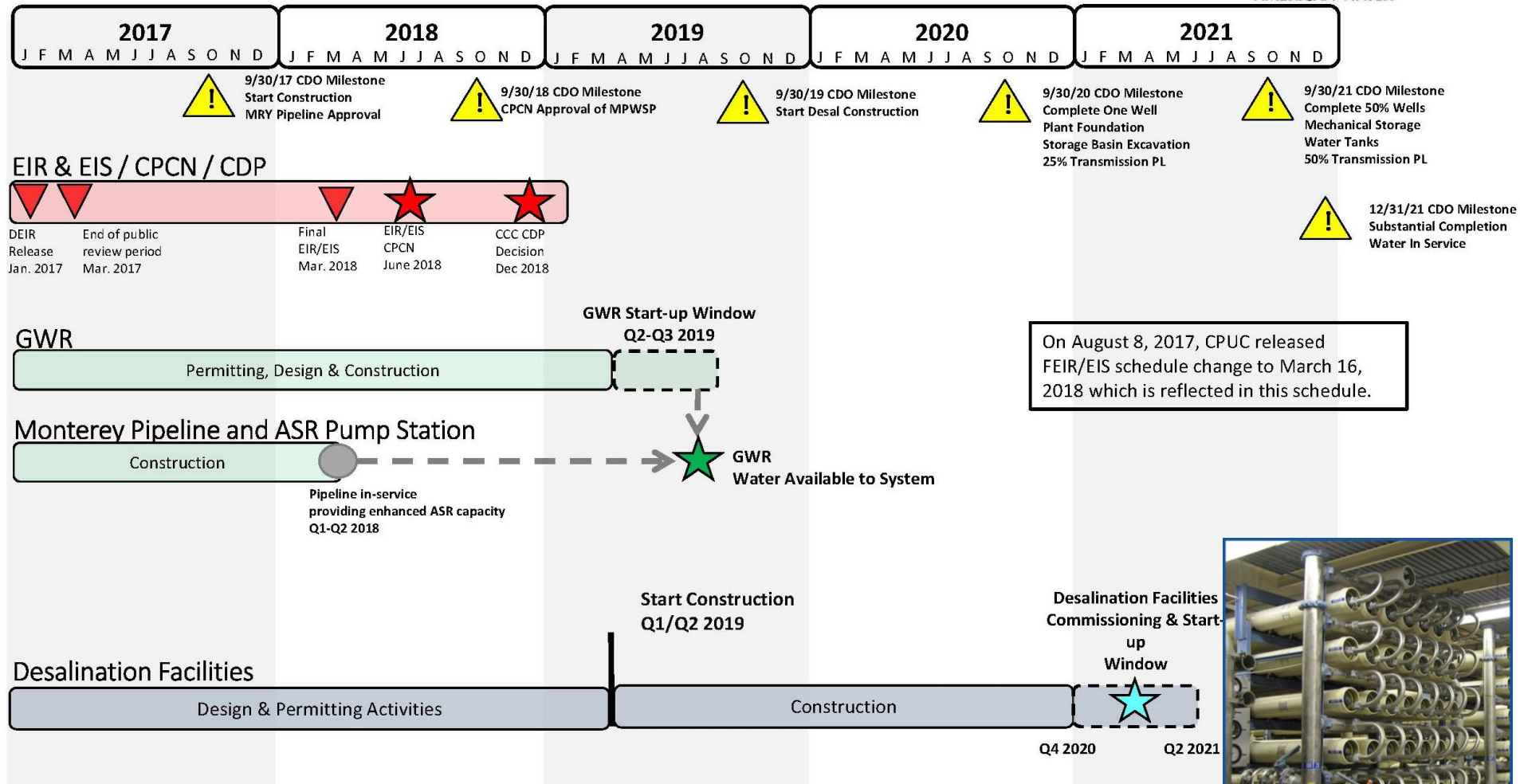


Pure Water Monterey

- New “Fact Sheets” on Constituents of Emerging Concern (CECs) and Pesticides about to be posted

Desalination Plant and Pipeline

AMERICAN WATER



On August 8, 2017, CPUC released FEIR/EIS schedule change to March 16, 2018 which is reflected in this schedule.



Cal-Am Monterey Pipeline



7 MILES OF PIPE

INSTALLATION OF 36-INCH MAIN UNDERWAY

Pure Water Monterey



----- ~5.5 miles of 36" pipe installed

Monterey Pipeline

THIS WEEK:

- Installation of the 36-inch pipeline on **Fremont Street** in Monterey
- Paving on **Webster Street**
- Work on the **Highway 68** pipe bridge will continue at **Old Salinas Highway** and **Fairgrounds Road**.
- Paving work will continue on **Hilby Avenue**

NEXT WEEK:

- Crews will begin installation of the 36-inch pipeline on **Aguajito/Fremont intersection** in Monterey
- Work on the **Highway 68** pipe bridge will continue at **Old Salinas Highway** and **Fairgrounds Road**.

Local Water Projects

Project	Status
Pacific Grove \$200,000	First \$100,000 spent; Project complete; Will save 88 AFY
Old Del Monte Golf Course \$80,000	Two wells completed; Pebble Beach Company put storage project on temporary hold
Monterey Regional Airport \$30,000	Completed study; Identified 104 AFY of non-potable supply; Will attempt to find users in FY 2017-18
City of Monterey \$85,000	Storm water capture study under way
City of Seaside \$106,900	Laguna Grande non-potable well; No expenditures to date

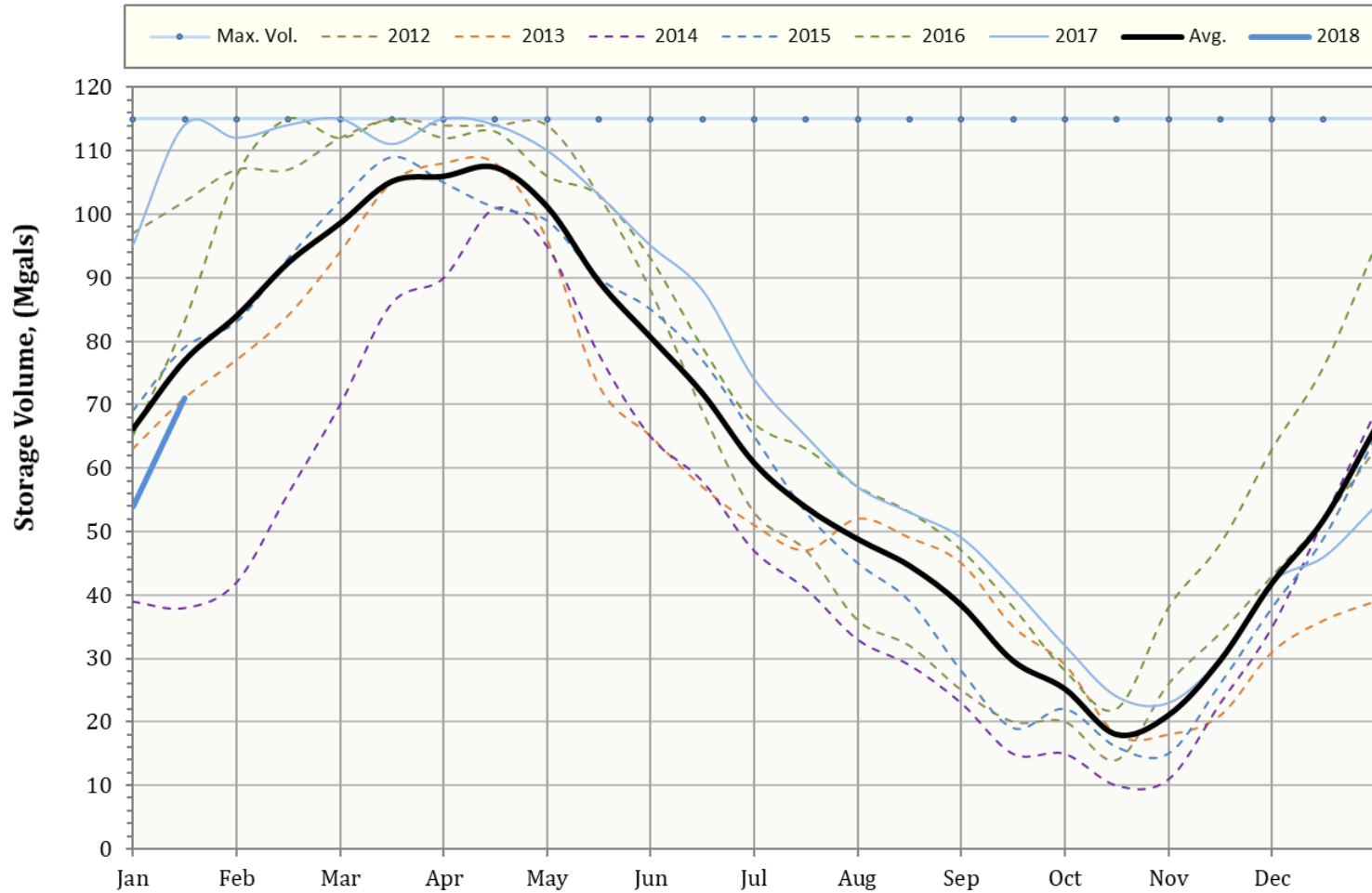
Malpaso (Odello) Water Thru 12-31-17

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: 49.61 AF	24.91 AF	6.332 AF
Remaining: 30.39 AF		
Total #: 255	122	60
Residential #: 231		
Non-Residential or Mixed #: 24		

Reclamation Project

Forest Lake Reservoir Storage Volume Current vs Historic

Current Volume: 71



Reclamation Project – Recycled Water Deliveries

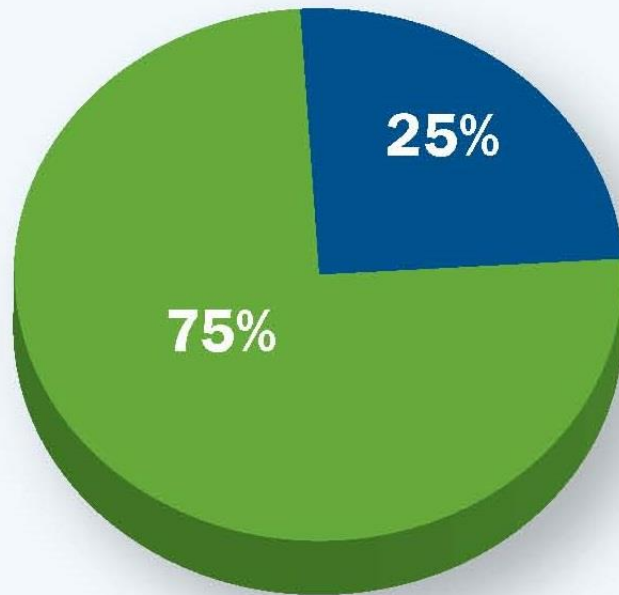
2017 Calendar Year	5 Year Average	22 Year Average
921 AF (10 months)	973 AF	950 AF

Other

- No ASR injection to date; For permit conditions to be met, we will need to pass an average of 70 cfs for tomorrow (Jan 25) through the 5 critical riffles in the lower river to meet the fish passage requirements. If flows come up to that level in response to the rains, MPWMD field biologists will survey the riffles and we can continue flushing the lines. If the riffles pass, we can count the volume flushed as injected and begin injection tomorrow for WY 2018
- DeepWater Desal still in negotiation with potential equity partner

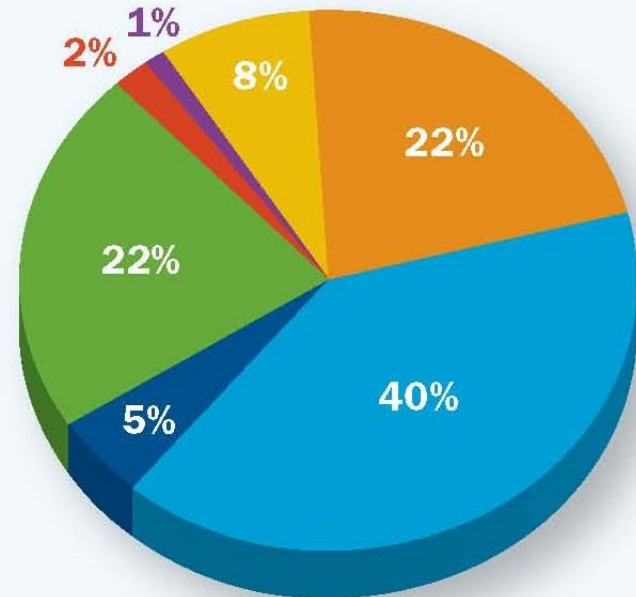
Changing Sources of Supply on the Monterey Peninsula

Traditional Sources



- Seaside Basin
- Carmel River

Proposed Water Sources



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

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.