



Marina Coast Water District:
A California Special District

ORD COMMUNITY WATER
AUGMENTATION

DIRECTORS

Dr. THOMAS P. MOORE

President

JAN SHRINER

Vice President

HOWARD GUSTAFSON

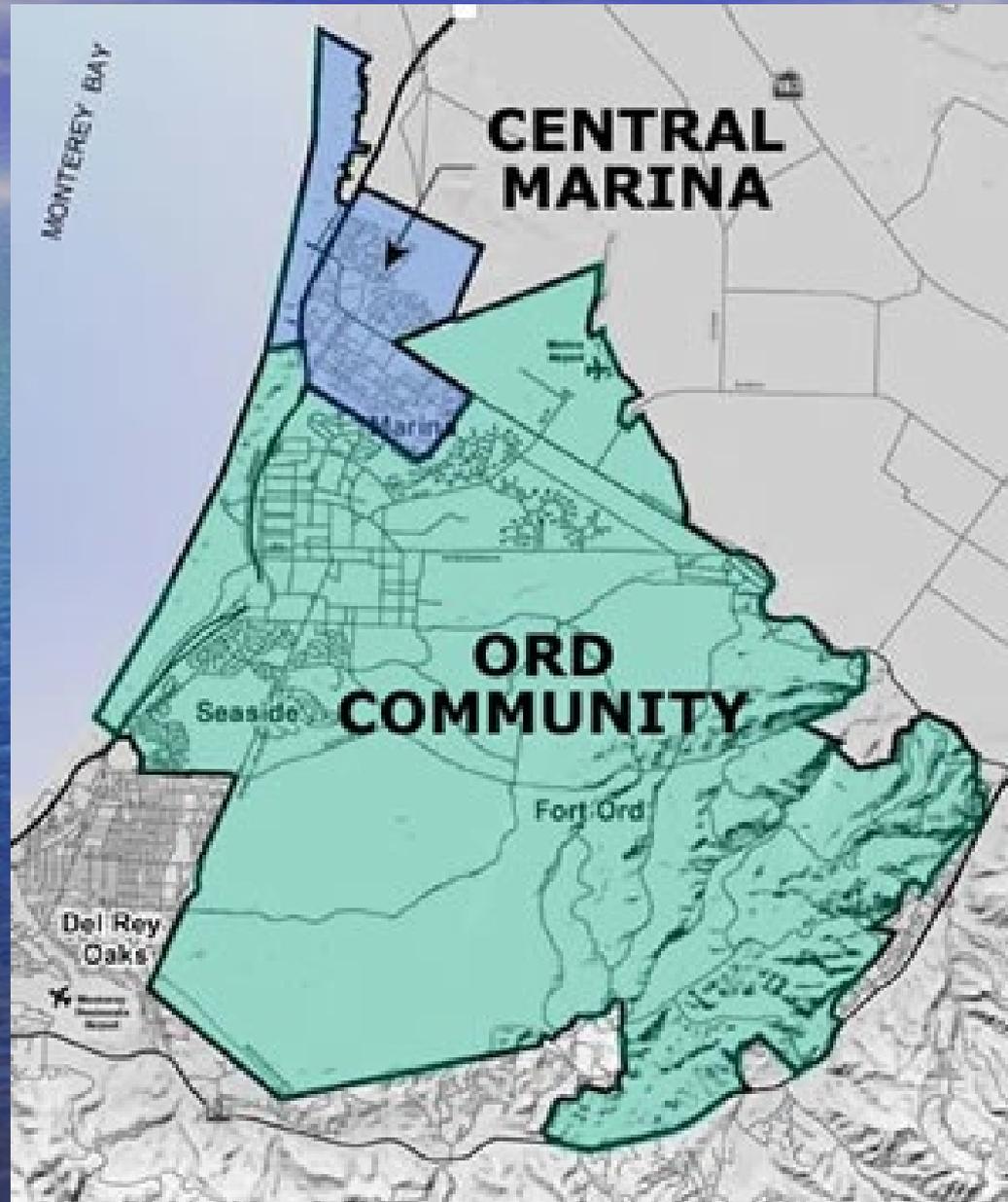
WILLIAM Y. LEE

PETER LE

Interim General Manager

Mr. Brian C. Lee

MCWD Boundaries and Service Areas



MCWD Revenue Sources

Fees and rates (which must be related to the cost of the service provided):

- Water rates and sewage collection fees
- Meter charges
- Special surcharges
- Capacity charges
- State and Federal Grants
- Service fees (inspections, plan checks, etc.)

MCWD Statistics

Feature	Total	Central Marina	Ord Community
Population (2011)	34,258	19,695	14,563
Employees	34 FTE	---	---
Connections	8,224	3,890	4,008
2011-2012 Revenue	\$14.2 million	---	---
2011-2012 Expenses	\$15.7 million	---	---
2011-2012 Capital Improvements	\$5 million	---	---
Net Assets, June 30, 2012	\$132.5 million	---	---
Debt as of June 30, 2012	\$46.7 million	---	---

MCWD Statistics, con't.

Feature	Total	Central Marina	Ord Community
Operating Wells	8	3	5
Storage Tanks	8 (11.2 MG)	1	7
Lift Stations	19	4	15
Water Pipe	223 miles	50.4 miles	172.6 miles
Sewer Collection Pipe	154.6 miles	41.1 miles	113.5 miles
Booster Stations	6	1	5
Emergency Generators	17 (1 port.)	1	15
Hypochlorite Generators	4	3	1
Pressure Reducing Valve Stations	19	1	18

Significant Ord Capital Projects

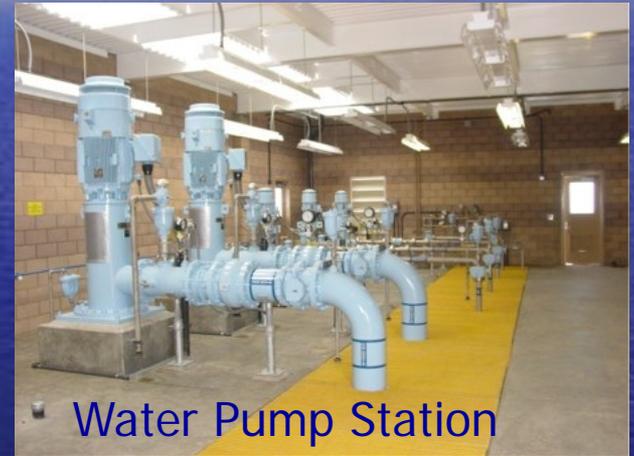
- Replaced 3 and Refurbished 3 wastewater lift stations
- Reconfigured system between Ord wells and sand tank
- Installed safer chlorination systems
- Replaced two elevated storage tanks with seismically safer tanks
- UCMBEST fire flows project drilled under Reservation Rd
- Completed RUWAP Programmatic EIR
- Tried to Develop the Regional Desal Project
- Prevented sewer line from severing Hwy 1 in Seaside
- Replaced a defective Ord well
- Installed a new Ord well to serve East Garrison
- Installed new wastewater lift station to serve East Garrison

Examples of capital projects

Old D Tank



New D Tank
& Pump Station



Water Pump Station



GJM Pipeline

Components of a Capacity Charge

1. An amount needed to pay for any required increase in the capacity of the water and wastewater systems that results from the new development.
2. An amount that represents a fair share buy-into the existing water and wastewater systems.

Across the nation, developers routinely pay capacity charges and roll them into the price of the real estate they sell.

Capacity Charge per EDU by year

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Charge	\$0	\$0	\$0	\$0	\$3,800	\$3,800	\$3,800	\$3,800	\$7,800	\$7,900	\$7,900	\$7,900

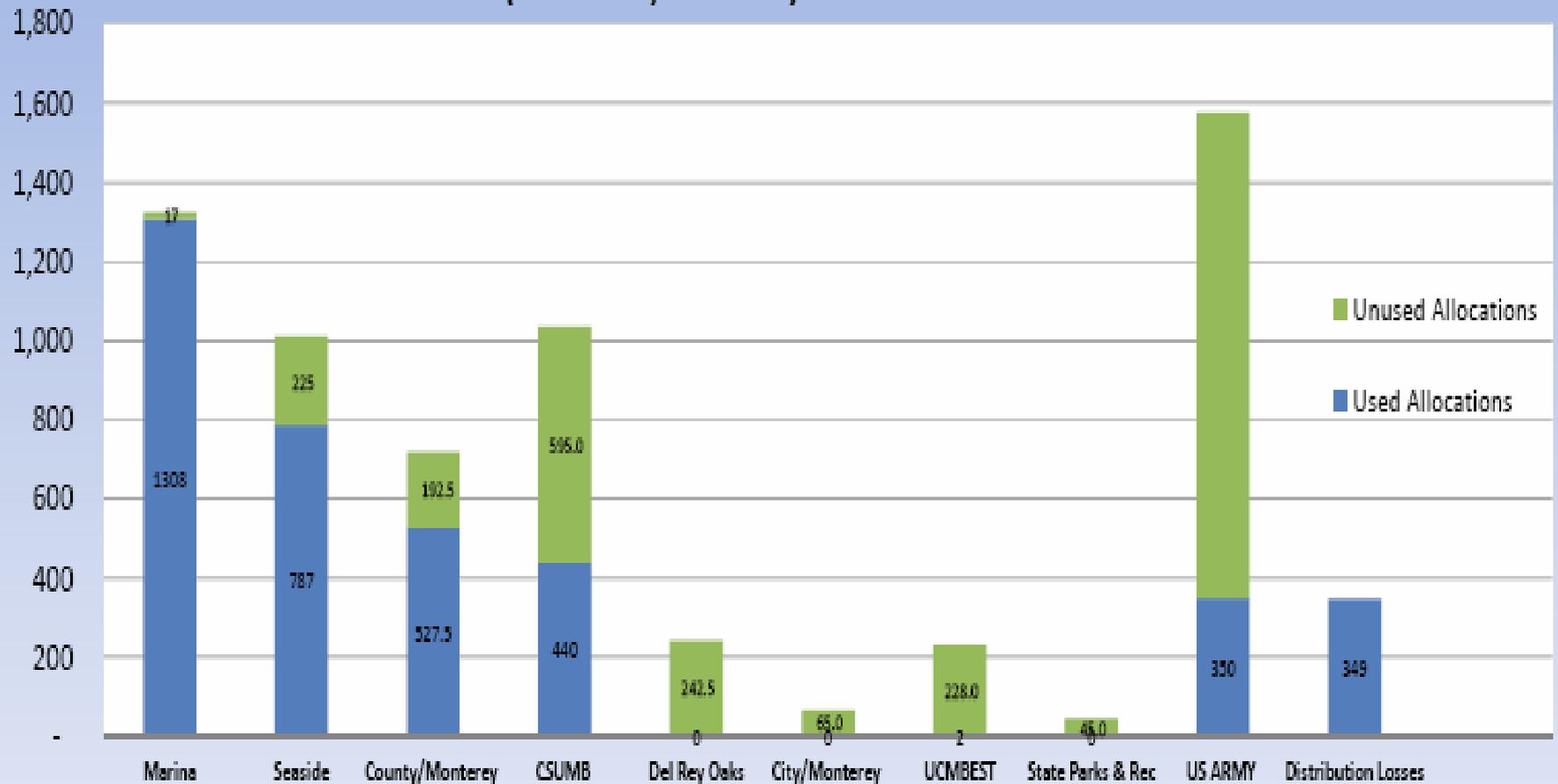
Recent Capital Improvement Project Expenditures

Including equipment replacement, Armstrong Ranch Property Acquisition and MCWD's share of IOP

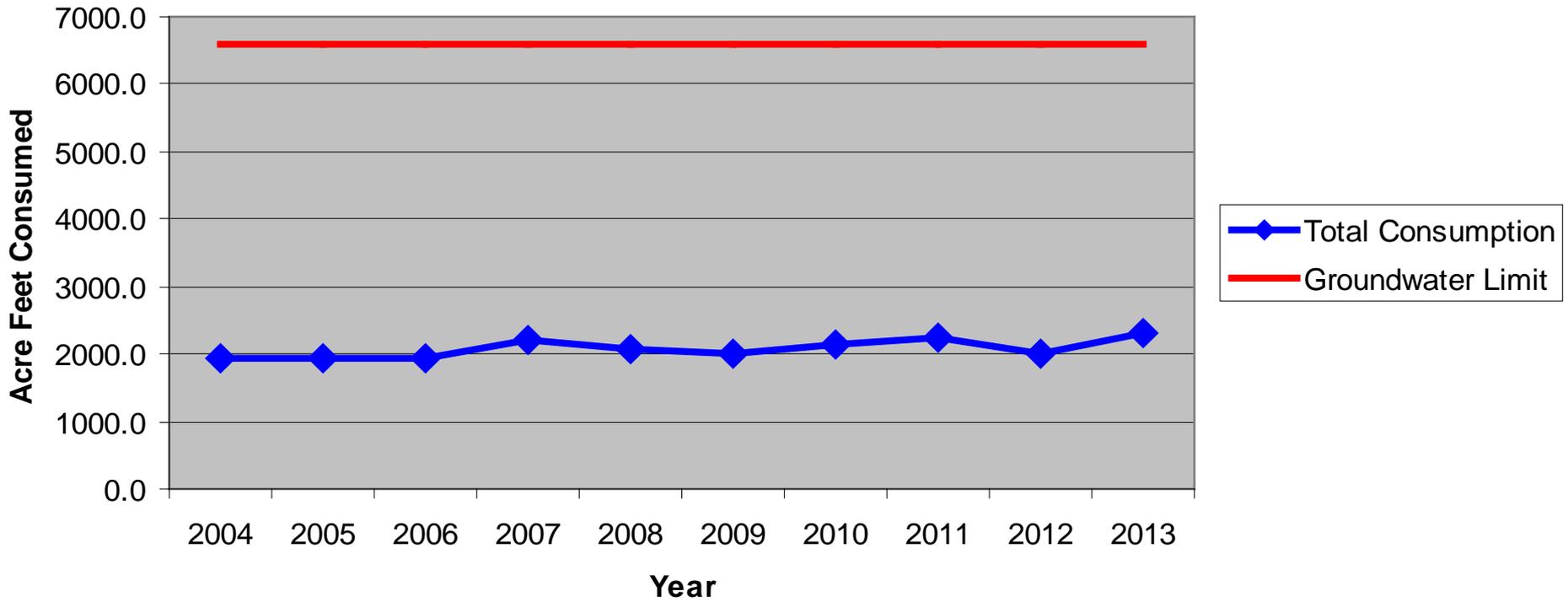
Year	Ord Community	Regional Desal Project
Total	\$27.7 Million	\$18.4 Million
2012	\$4,334,961	\$2,453,288
2011	\$4,223,810	\$8,219,661
2010	\$6,940,702	\$3,949,629
2009	\$6,895,397	\$2,150,372
2008	\$5,306,326	\$1,595,929

Fort Ord's Allocations

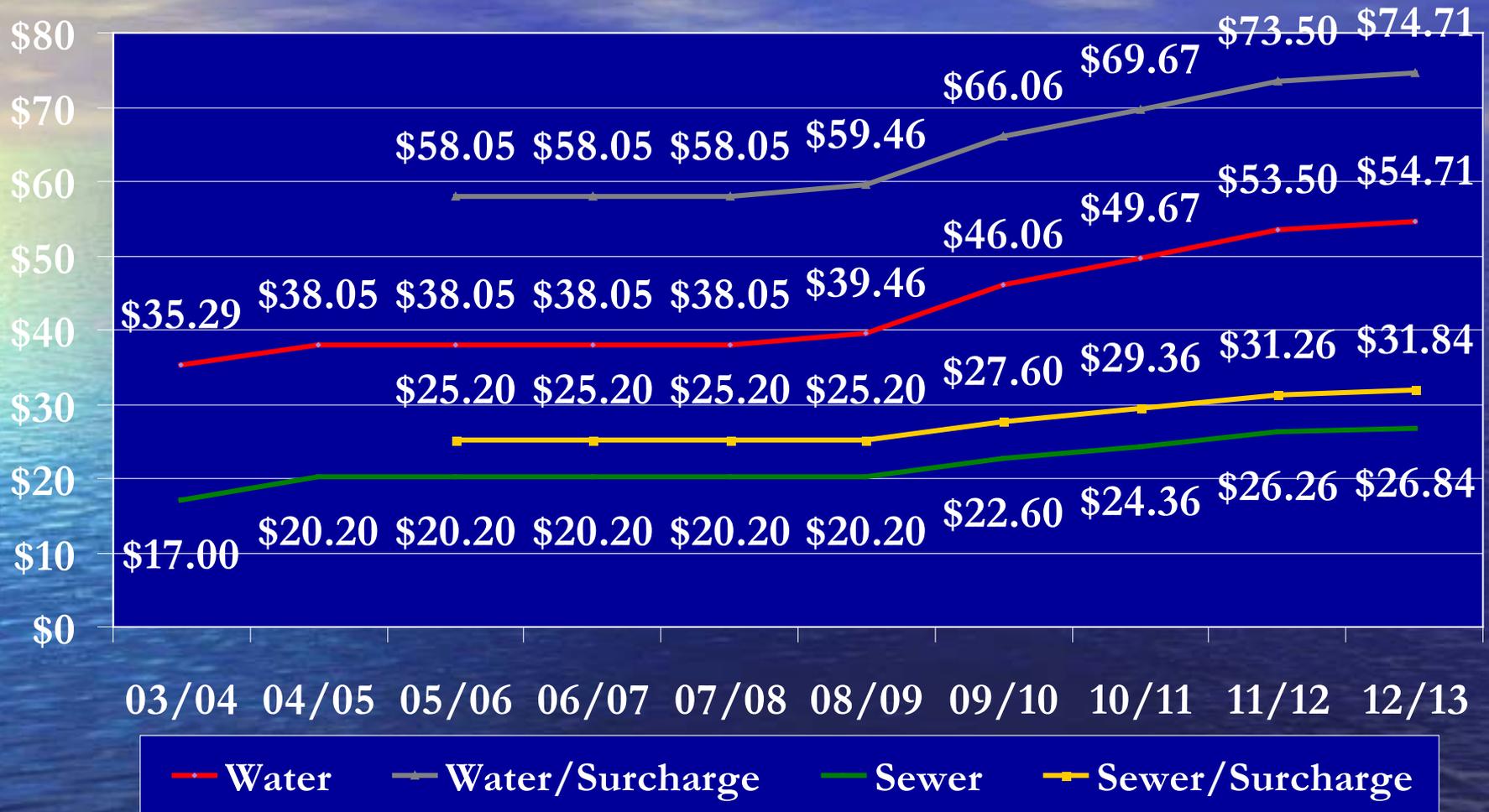
(Total of 6,600 ac-ft)



Ord Community Groundwater Usage



Ord Rates – Past Ten Years



Figures are based on a dwelling unit using 13 HCF per month.

Major Current Challenges

- Seawater Intrusion in the SVGB
- We have just one major water source: the Salinas Valley Groundwater Basin (SVGB)
 - Limited to 6,600 AFY for Ord Community
- The scheduled sunset of FORA in 2020
- Growth projections for the Ord Community
 - the 1997 Fort Ord reuse plan calls for 2,700 AFY more water than is available from the SVGB
- **Recovery of \$18 million from failed Regional Desalination Project**

Major Current Challenges, con't.

- Identify and pursue an additional source of potable water. Unfortunately, the choices are limited:
 - Capture and treat surface waters
 - Desalinate seawater
 - Reclaim water from wastewater
- Replacement or rehabilitation of aged pipelines and other infrastructure

Possible Water Source Project - 1

- RUWAP

- Program level EIR exists
- 1,200 AFY desal project and 1,200 AFY reclaimed water project
- 1,200 AFY reclaimed demand does not currently exist on Ord Community
- Estimated total cost: \$40 RW + \$32 Desal = \$72 million
- Operating cost multiplier: 3.5X
- Requires significant cooperation from MRWPCA
- Cal Am desal project could interfere with MCWD 1,200 AFY desal project
- Wastewater flows historically decreasing

Possible Water Source Project - 2

- Replace RUWAP with 2,400 AFY desal project
 - Puts all your eggs in one basket
 - Estimated cost: \$60 million
 - Operating cost multiplier: 4X
 - Increased likelihood that Cal Am desal project interferes
 - Requires significant cooperation from MRWPCA for brine disposal

Possible Water Source Project - 3

- Surface Water Treatment Project
 - In very conceptual stages
 - No EIR has been performed
 - Estimated cost: \$100+ million
 - Operating Cost Multiplier: 3.5X
 - Plant capacity vs storage tradeoff
 - Affected by river timing and occasional drought conditions

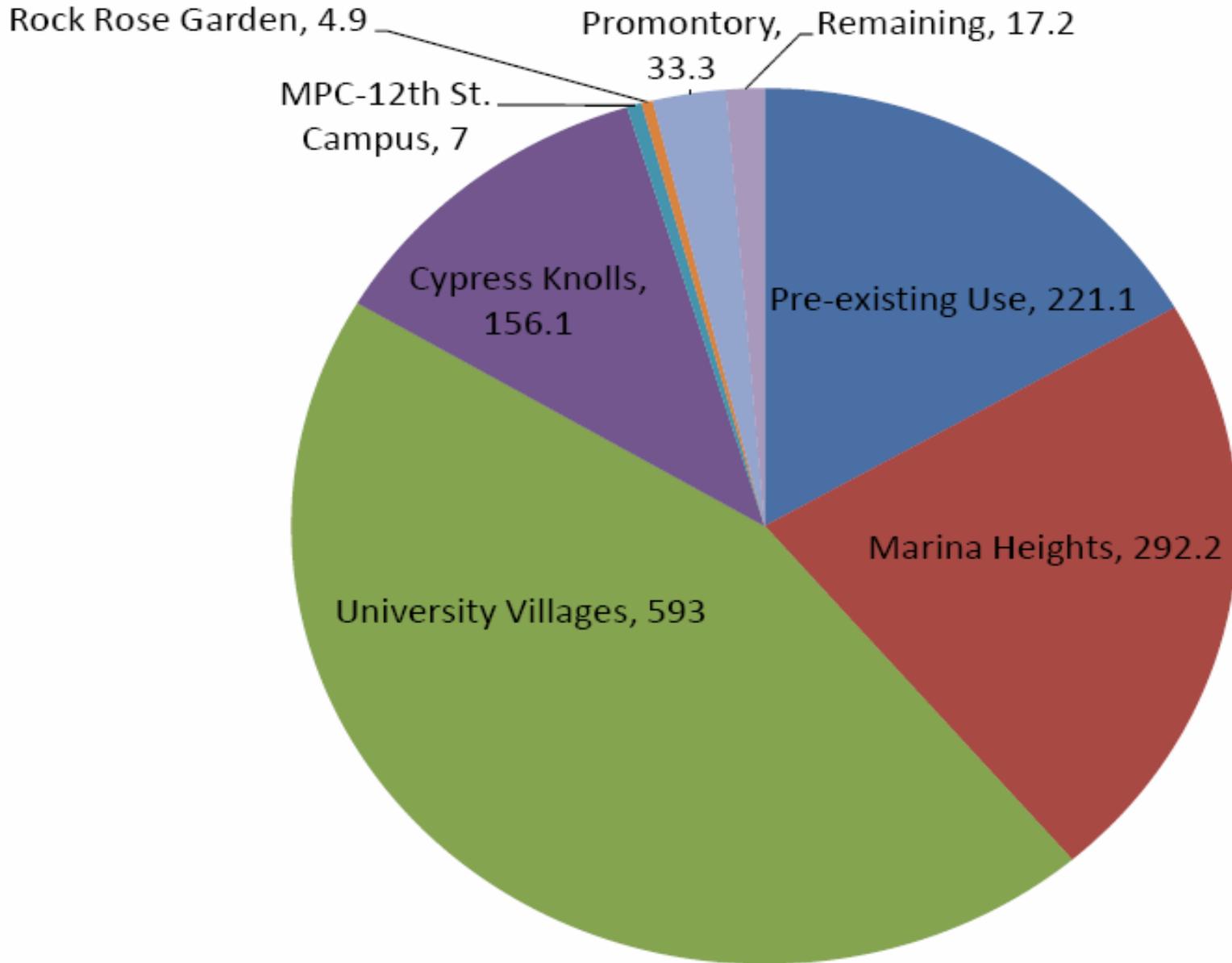
Biggest Challenge of All

- Regardless of which project is pursued, who is going to pay for the 2,400 AFY of augmented water? Here are your choices:
 - Developers
 - Future customers (\$7500 per account just for RUWAP)
 - Current customers (\$18K per account for RUWAP)
 - Government (FORA, grants, no-interest loans, land use jurisdictions, other?)

Questions?



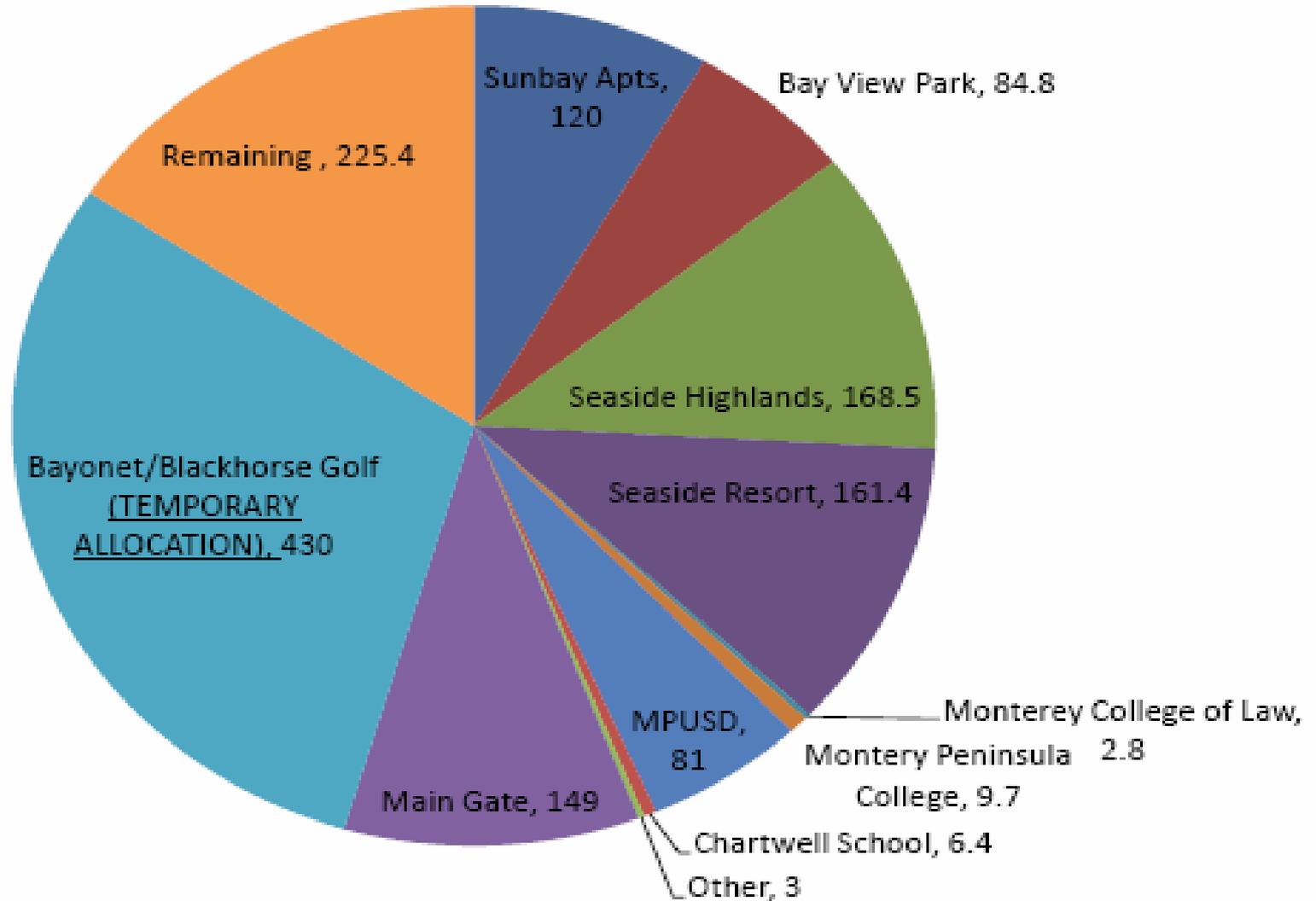
City of Marina Sub-allocations
Total allocations=1325 AF
Remaining allocations =17.2 AF



City of Seaside Sub-allocations

Total allocations=1012 AF

Remaining allocations=225 AF



County of Monterey Sub-Allocations

Total allocations = 720 AF
Remaining allocations=192.5 AF

