Monterey One Water



Formed in 1972 and previously known as the Monterey Regional Water **Pollution Control Agency**





Monterey One Water Providing Cooperative Water Solutions





17 MILLION Gallons, on average, of wastewater

processed each day



29.6 MGD **Primary/Secondary/Tertiary** treatment capacity

\$60 MILLION Operating Budget

JOINT RESPONSIBILITY

C A L I F O R N I A





















WASTEWATER What happens to your used water?





ONE REGIONAL TREATMENT PLANT



Regulated Ocean Discharge Predominantly Wintertime



Non-potable Reuse Agriculture Irrigation





Indirect Potable Reuse Groundwater Replenishment

PRIMARY/SECONDARY TREATMENT





PRIMARY/SECONDARY TREATMENT

OCEAN OUTFALL

- Secondary Effluent Quality: Meets CA Ocean Plan
- Outfall Distance: RTP to Coastline
 + 2 miles into the Monterey Bay,
 100 ft below the water's surface
- 60 inch diameter
- Last ~1,000 ft include ports to disperse effluent









TOUR STOP

AGRICULTURE IRRIGATION WATER



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WHY DO WE NEED RECYCLED WATER FOR IRRIGATION?

 A decrease in groundwater pumping near the coast helps prevent seawater from moving into our clean supply



180-Foot

Aquifer



AGRICULTURE IRRIGATION WATER

WHY DO WE NEED RECYCLED WATER FOR IRRIGATION?

 A secure water supply has diversified the type of crops grown in the CSIP area, including artichokes, cauliflower, strawberries, broccoli, lettuce, celery, and more





TOUR STOP

WATER SUPPLY PROJECT

3,500 ACRE FEET / YEAR of Advanced Purified **Recycled Water**

produced for injection into the Seaside Groundwater Basin

1 Acre Foot = 325,851 Gallons

Partners for Pure Water Solutions

Monterey **One Water**

1,000 ACRE FEET

created to increase availability of

potable water drought reserve

recycled water for ag use during dry years

MONTEREY PENINSULA MANAGEMENT DISTRIC

> **New Source Waters** will help increase tertiary treated recycled water for agricultural irrigation up to 4,400 ACRE FEET / YEAR

~22-33% of the **Monterey Peninsula's** future water supply portfolio





WHY DO WE NEED PWM?

Water supply diversification and sustainability





PURE WATER MONTEREY

Source Water Diversion Structures

92%





4 Components to PWM



Conveyance Pipeline



Injection Wells



PURE WATER MONTEREY

Municipal Wastewater





PWM Source Waters



Agricultural Drainage Water



Urban Storm Water Runoff





ALL REUSE STARTS HERE



Primary/Secondary Treatment



PURE WATER MONTEREY





PURE WATER MONTEREY



CROSS-DISTRICT COLLABORATION

FIND OPPORTUNITIES

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FIND TIME



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FIND RESOURCES





1 Wastewater (67%)

2 Agricultural Drainage Water (16%)

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• Max Capacity: 29.6 MGD

3 Agricultural Wash Water (17%)

4 Stormwater

• Min Operational Production: 5 MGD



• 9 wells + booster stations



