SANTA BARBARA





PUBLIC WORKS DEPARTMENT
WATER RESOURCES DIVISION

CHARLES E. MEYER SEAWATER DESALINATION PLANT





SANTA BARB 1806 Dam & Aqueduct

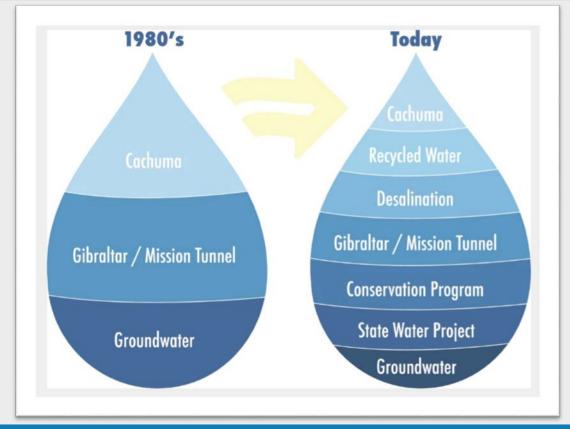




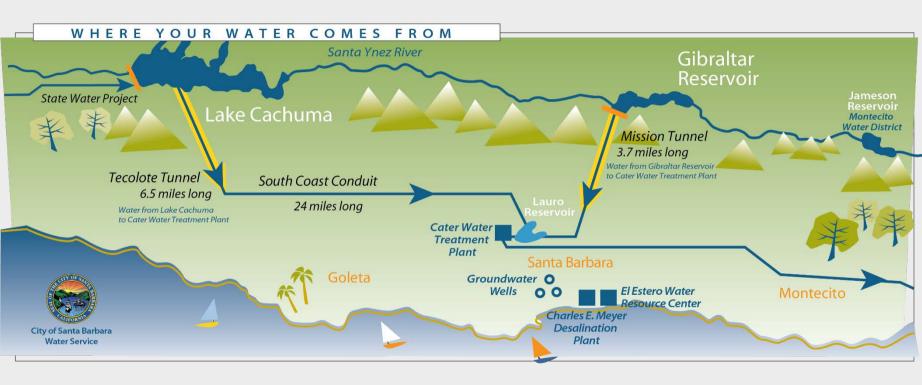












DESALINATION PLANT (525 Yanonali St.) PUMP STATION AND CHEMICAL AREA (420 Quinientos St.) EL ESTERO BRINE MIXING BOX BEACH WEIR BOX (for abandoned outfall) LEGEND 600 ft PSCA to Desal Plant Feed Line Seawater Intake Line Commingled Brine/Treated WW Discharge Line Desal Plant Brine to El Estero Brine Mixing Box Potable Water Connection -- Coastal Zone Boundary SEAWATER - Local Coastal Permit Boundary INTAKE





Intake Facility



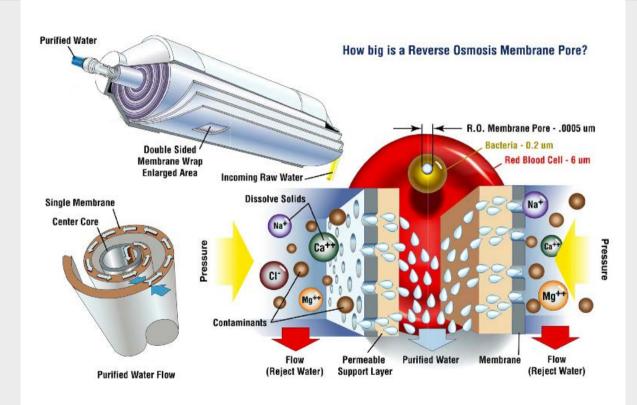








Reverse Osmosis







City of SANTA BARBARA







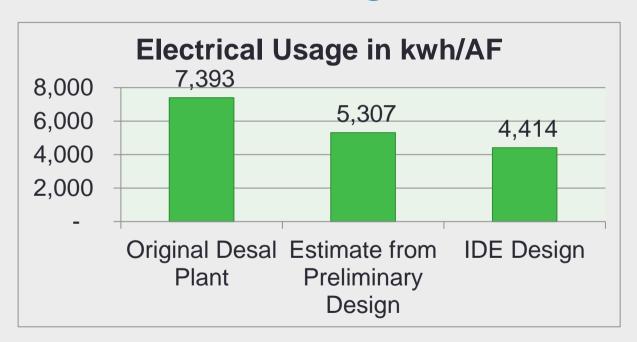








Desal Electrical Usage



 Uses 40% less energy than original plant

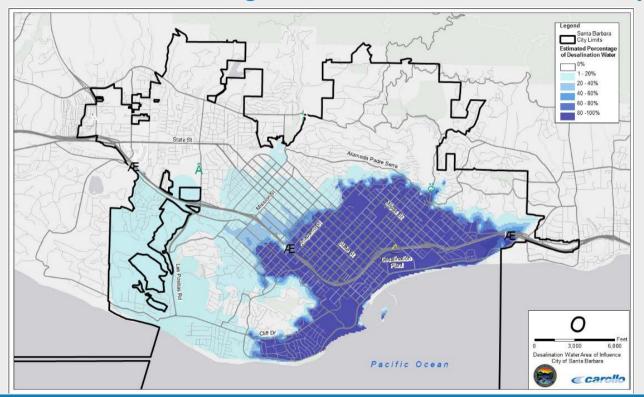


Reactivation Costs

- Capital Cost ~\$72 million (State Revolving Fund Loan)
 - \$4.2M/Year debt service over 20 years at 1.6% interest
- Operational Costs
 - \$1.5M/Year for Standby
 - \$4.1M/Year for Operation at 3,125 AFY



Region and Estimated Percentage of Desalinated Water Customers May Receive





Questions?