

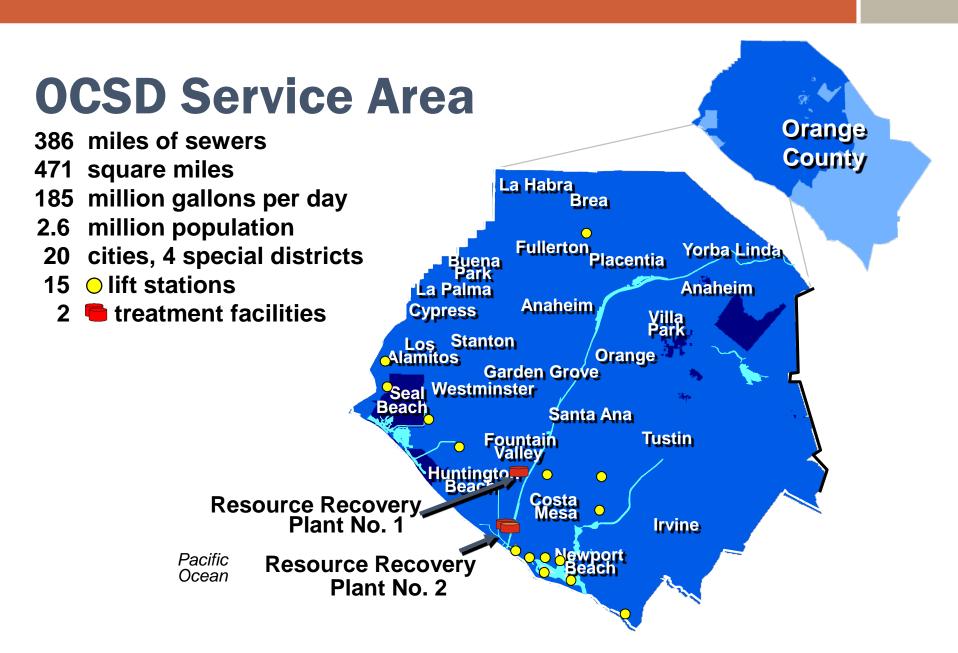
Orange County Sanitation District Treatment Plant Operation



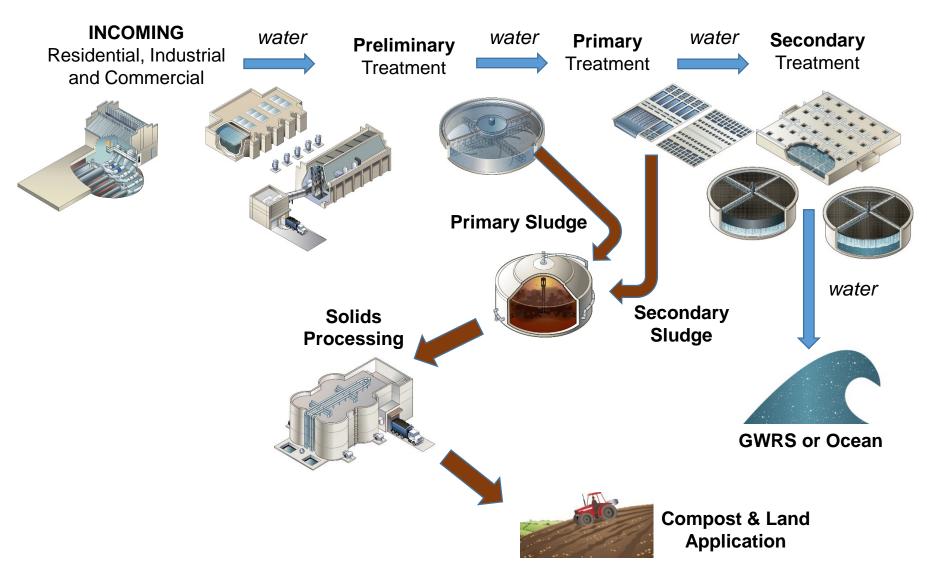
Eddie Baker

Operations Supervisor Orange County Sanitation District www.ocsd.com





Resource Recovery Facility



Barscreen in Operation (Mechanical System)



Primary Clarification Process



Secondary Treatment trickling filter and aeration basins





Secondary Final Clarifier



Effectiveness of Water Treatment

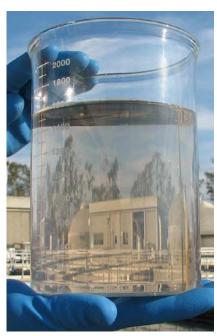
Raw Sewage



Primary Treated Effluent

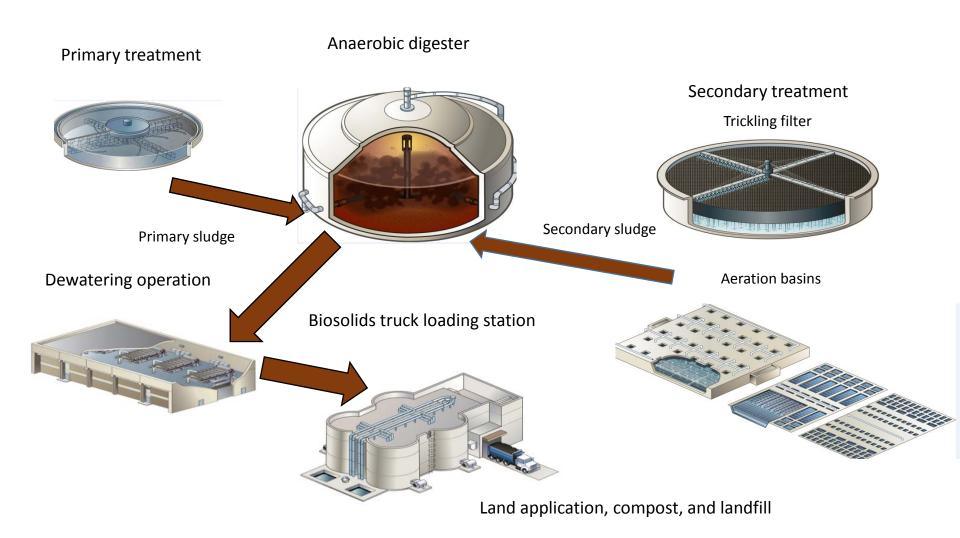


Secondary Treated Effluent





Biosolids recycling and recovery process



Anaerobic Digester





Dewatering Operation

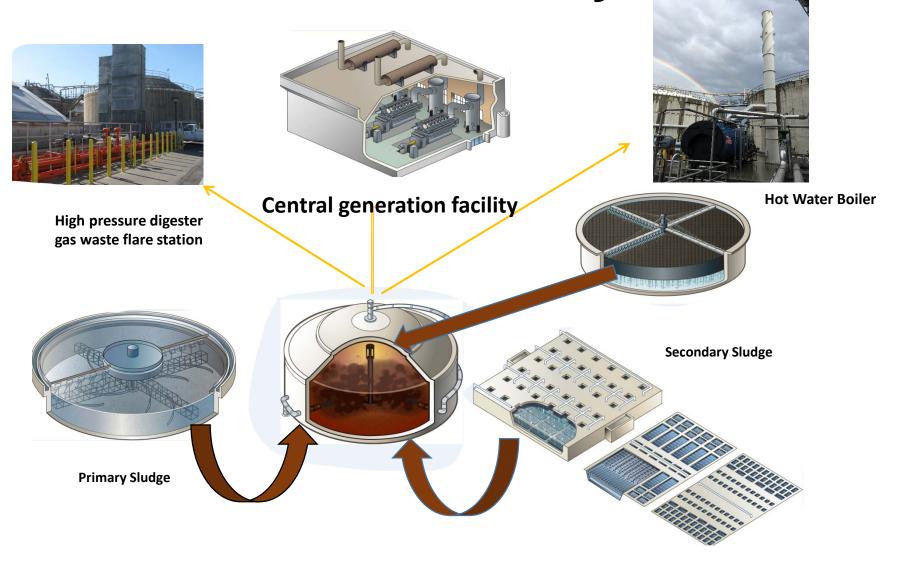




P2 Biosolids Storage/Truckloading Station

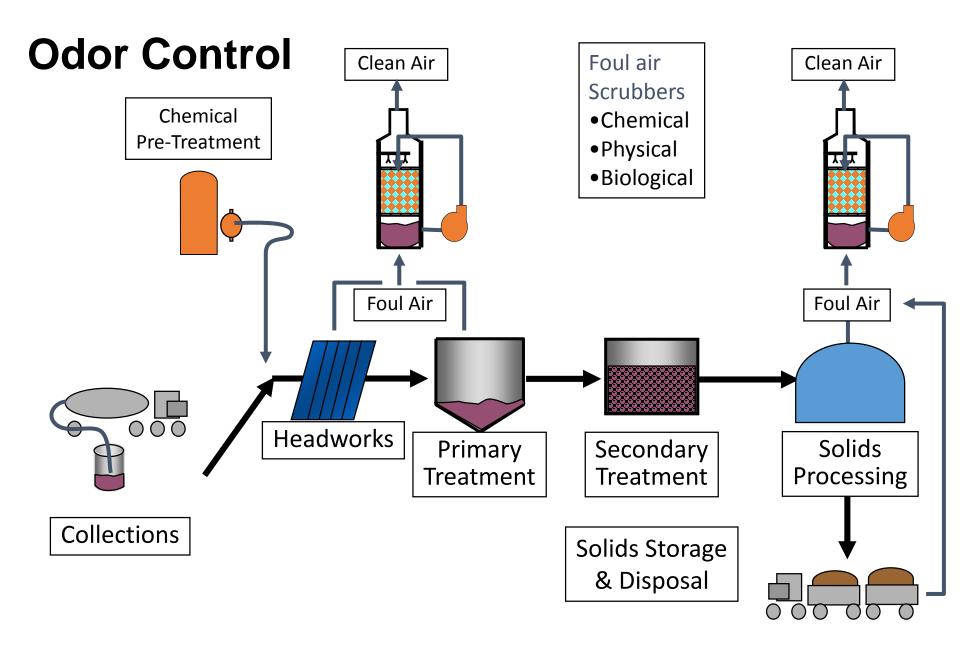


Methane Gas Recovery Process



Central Generation Engines



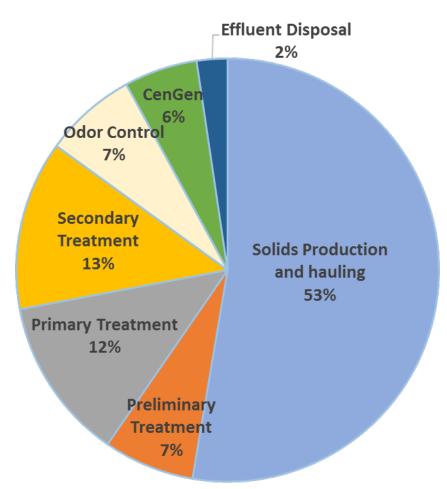


New Bio Trickling Filter Scrubber





2015-16 Operating Expenses \$48 Million



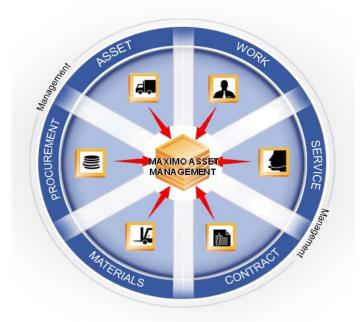
Future Flows for GWRS

Current flows to GWRS	Current GWRS Production Water
120 MG/d	93 MG/d
Future Flows to GWRS	Future GWRS Production Water
185 MG/d	130 MG/d

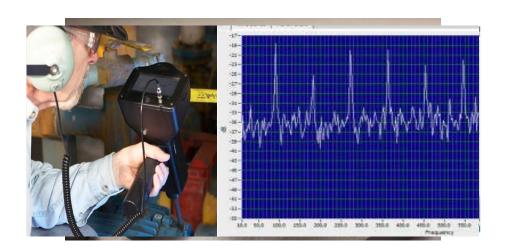


Maintenance Efforts

Planned Maintenance



Predictive Maintenance



Questions?

