2019 Regional Water Board Efforts

- Nutrient Permit
- CECs
- Toxicity
- Near-Shore and Wetland Discharge Policy(s)
- Cl-residue WQBELs
- Recycled Water RO Concentrate
Nutrient Permit

- No limits; planning targets
- Funding for studies
- Recognition of early actions / planning
- Wetlands treatment options (green infrastructure)
2019 Regional Water Board Efforts

- Nutrient Permit
- CECs
- Toxicity
- Near-Shore and Wetland Discharge Policy(s)
- Recycled Water RO Concentrate
- Cl-residue WQBELs
Contaminants of Emerging Concern

- RMP monitoring strategy
  → Representative POTWs
- Emerging statewide strategy
- Dept. Toxic Substances Control
  → Safer Consumer Products Program
Nutrient Permit

Recycled Water RO Concentrate

Cl-Residue WQBELs

CECs

Toxicity

Near-Shore and Wetland Discharge Policy(s)

2019 Regional Water Board Efforts
State Toxicity Policy

- Should have no impact on deep water dischargers
- Should have minimal impact on shallow water dischargers
- We will avoid unintended consequences in permits
Nutrient Permit

Recycled Water RO Concentrate

Cl-residue WQBELs

Near-Shore and Wetland Discharge Policy(s)

CECs

Toxicity

2019 Regional Water Board Efforts
Near-Shore and Wetland Discharge Policy(s)

- Wetlands treatment systems
- Beneficial reuse of effluent
  - Habitat enhancement
  - Horizontal levees
- Climate change – sea level rise
Nutrient Permit

Recycled Water RO Concentrate

Cl-residue WQBELs

CECs

Toxicity

Near-Shore and Wetland Discharge Policy(s)

2019 Regional Water Board Efforts
Chlorine - Residue

Water Quality Based Limits

Based on WQC = 0.016 mg/L rather than 0.0 mg/L limit

Mixing zone based limits

→ Deep water = 😊
→ Shallow water = 😞
2019 Regional Water Board Efforts

- Nutrient Permit
- Recycled Water RO Concentrate
- Cl-residue WQBELs
- CECs
- Toxicity
- Near-Shore and Wetland Discharge Policy(s)
Recycled Water + RO Concentrate

- Conversion to Statewide Order
- Part of master planning → Plant specific and “regional”
- Discharge of RO concentrate → Nutrients / CECs
2019 Regional Water Board Efforts

- Nutrient Permit
- Recycled Water RO Concentrate
- Cl-residue WQBELs
- Near-Shore and Wetland Discharge Policy(s)
- CECs
- Toxicity