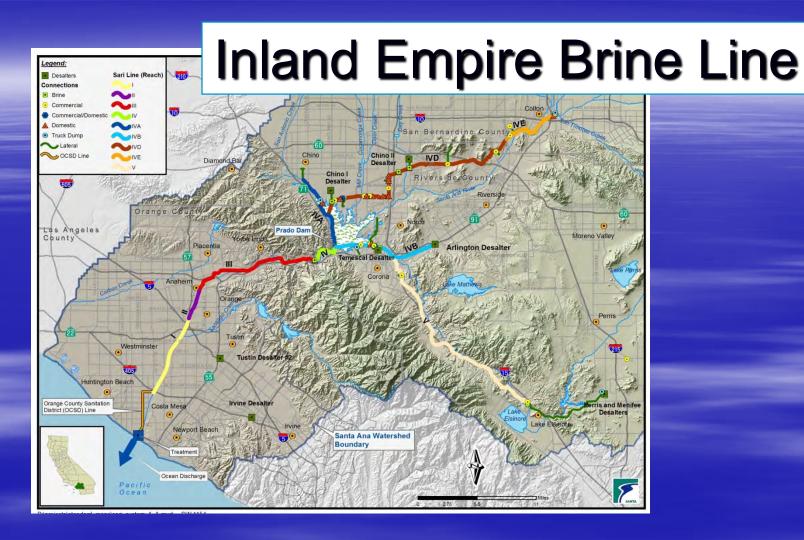
Inland Empire Brine Line

David Ruhl, Engineering Manager
Project Agreement 24 Committee | November 5, 2019
Item No. 4.A



Number/Type of connections

- Direct (29)
- Indirect (21)
- Collection stations (4)
- Emergency (12)
- Liquid Wastehaulers (10)
- Groundwater desalters (6)
- Ion Exchange Plants (4)
- Power Plants (4)
- Industrial Dischargers (37)
- Water Reclamation Facilities (1)
- Domestic (temporary) (2)



Issues



Prado Dam



TSS Formation



Capacity Right



Projects



Potential Relocations



Pretreatment

Capacity Right

- Wastewater Treatment and Disposal Agreement (1972 Agreement) and (1996 Agreement)
 - Treatment and Disposal Capacity Right
 - Pipeline Capacity Right

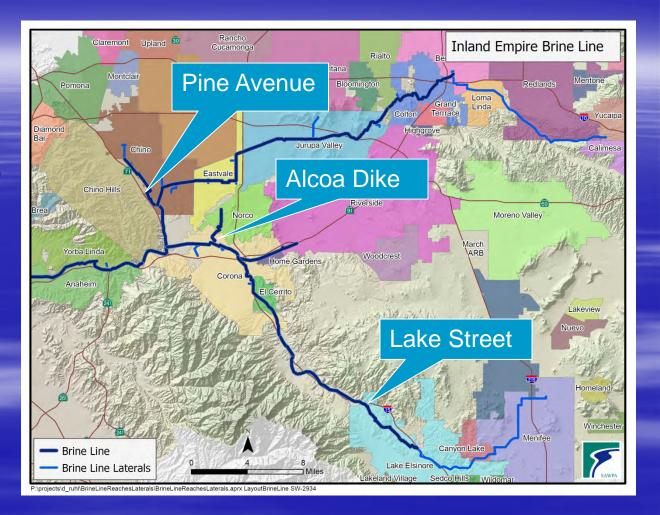
Projects

- Alcoa Dike
- OCSD Rock Removal
- Reach 4D MAS Modifications
- Reach 4D Corrosion





Potential Pipeline Protection/ Relocation



Pretreatment Activities

- Update to Ordinance
- New Customers
 - Aramark
 - City of Beaumont
 - Rialto Bioenergy
- Pretreatment Program Technician
- Sampling Vehicle

QUESTIONS?

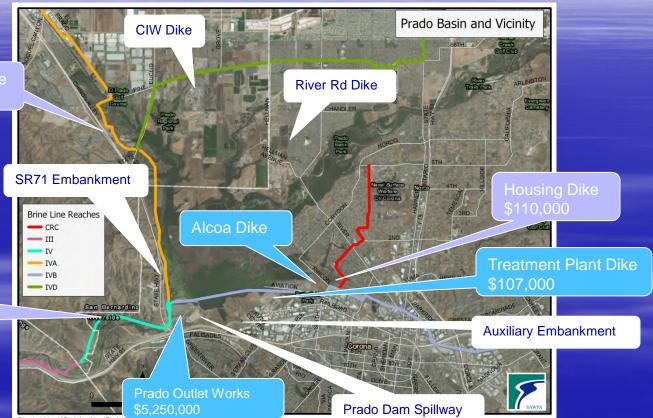
Inland Empire Brine Line Alcoa Dike – Reach IVB/CRC Lateral Protection Relocation

David Ruhl, Engineering Manager Project Agreement 24 Committee | November 5, 2019 Item No. 4.B

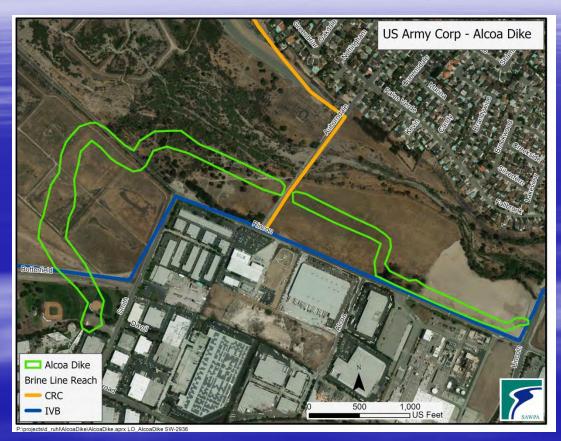
Prado Basin Perimeter Dikes

Adobe Dike \$375,000

Brine Line Protection \$6,354,000



Alcoa Dike - Reach IVB/CRC Lateral



Alcoa Dike

- Phase 1 Complete Mid2020
- Phase 2 Commence Late 2020

Stantec hired to evaluate Brine Line impacts

2 areas of Brine Line Impacted

Brine Line Protection / Relocation

- Relocate 520 ft of Reach 4B
- Protect 115 ft of CRC Lateral
- Preliminary Estimate of Construction Cost
 - \$1,300,000 Reach 4B / \$400,000 CRC Lateral
- Hired Stantec to Prepare Plans and Specifications
- Peer review workshop
- Schedule 8 months, complete prior to Dike Phase 2
 Construction

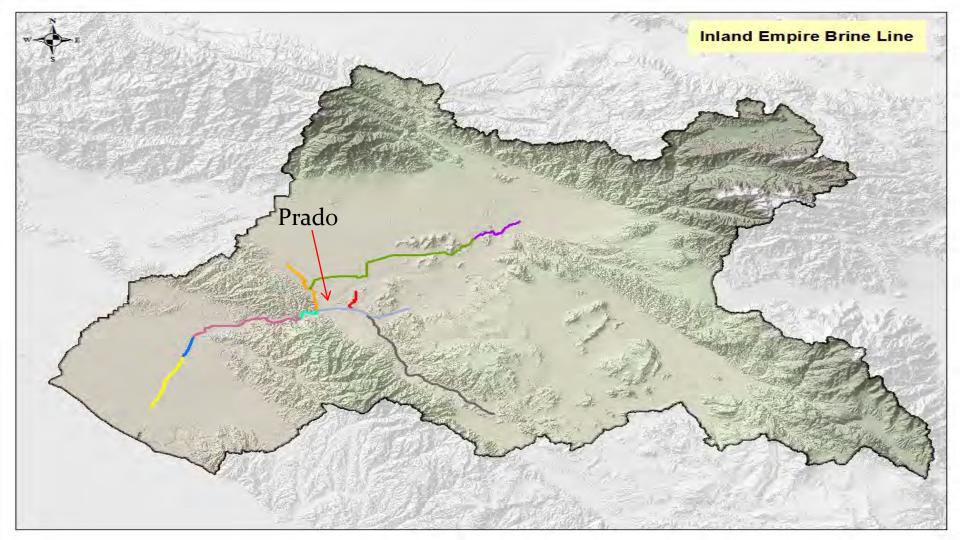
QUESTIONS?

Inland Empire Brine Line Reach 4A/4B Lower Update

Carlos Quintero, Operations Manager Project Agreement 24 Committee | November 5, 2019 Item No. 4.C

Recommendation

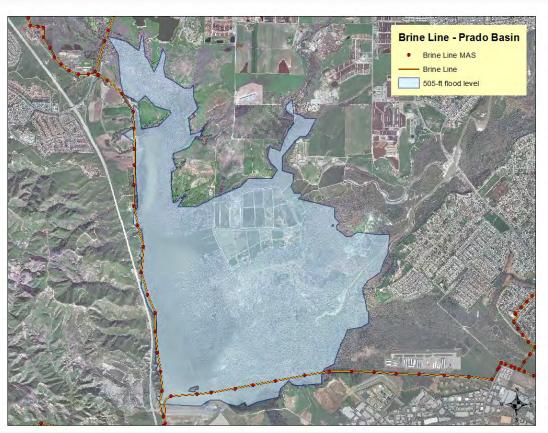
• Receive and file



Brine Line Reaches 4A-4B Lower



Brine Line Reaches 4A-4B Lower



Operations Activities Summary

Access

- Road Grading
- Vegetation Removal

Maintenance Activities

- Pipeline Cleaning
- Pipeline Inspection
- Scale assessment

Repairs

- Corrosion on MAS 4A-0010
- Crack in Corona Lateral

Work completed

Activity	Reach 4A Lower	Reach 4B Lower	Corona Lateral
ROW Maintenance	1.5 miles	3 miles	o.3 miles
Line Inspection	-	1,400 ft	1,250 ft
Line Cleaning		1,400 ft	1,250 ft
MAS Inspected	19	15	3



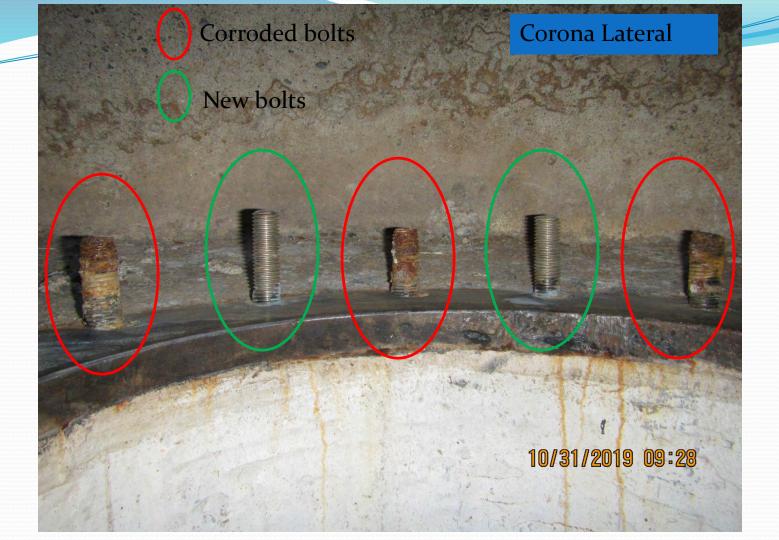














Costs to Date

Activity	Cost	
Mulcher/Grinder	\$3,500	
Steel plate/beam rental	\$3,210	
Equipment rental (loader)	\$7,117	
Line cleaning/inspection	\$4,752	
Corrosion repairs	\$2,600	
Corona Lateral repair	\$2,600	
TOTAL	\$23,779	

Recommendation

• Receive and file

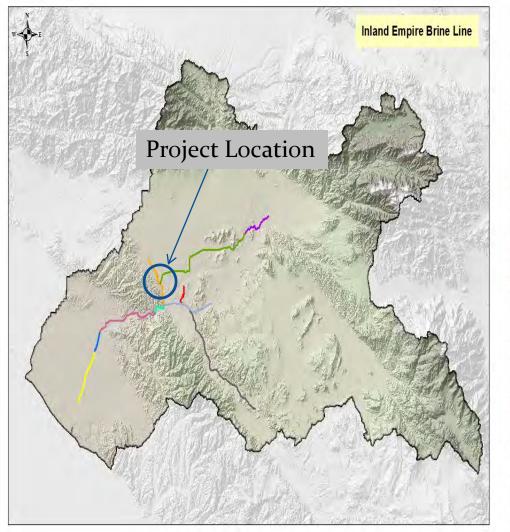
Questions??

California Institution for Women Flow Transfer to City of Chino

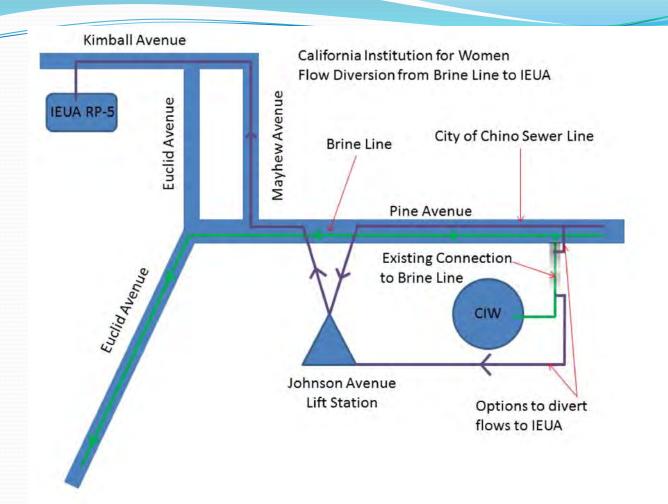
Carlos Quintero, Operations Manager Project Agreement 24 Committee | November 5, 2019 Item No. 4.D

Recommendation

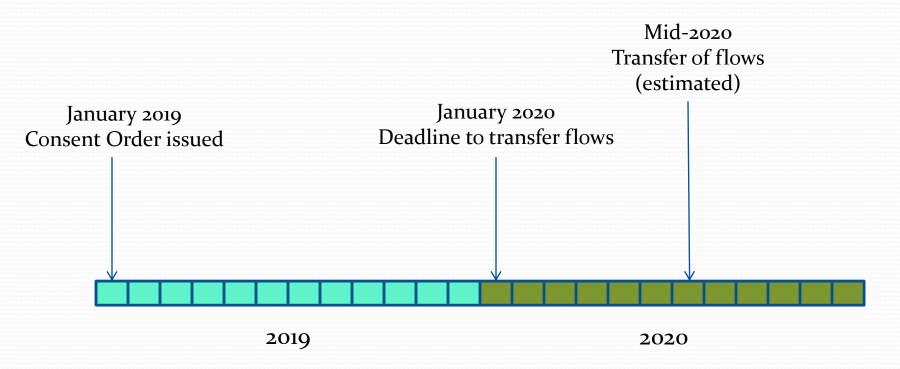
• Receive and file







Timeline



Recommendation

• Receive and file

Questions??