Meet the Team

- **Cynthia Herzog**, Sr. Environmental Scientist/Project Manager
- **Micaela Weimer**, Commission Attorney
- **Peter Regan**, Petroleum Engineer
- **Katie Robinson-Filipp**, Environmental Scientist/Outreach and Public Engagement Specialist
- **Jennifer Mattox**, Tribal Liaison
- **Yessica Ramirez**, Environmental Justice Liaison
- **Simon Poulter**, Padre Associates, Inc.
- **Mark Steffy**, Longitude 123
Overview of the Agenda

I. Welcome and Introductions
II. Decommissioning Background and Updates
   a. Overview of decommissioning scope and context
   b. Phase 2 updates and descriptions
III. Interactive Exercise: Feasibility Study Scope
   a. Discuss overview of alternatives and considerations
IV. Interactive Exercise: Long-Term Use – Thinking Ahead to Phase 3
V. Wrap-Up and Next Steps
   a. How to stay involved
   b. Next steps
   c. Closing comments
Rincon Phase 1 Background and Updates
Rincon Area Oil and Gas Leases
Onshore Leases – PRCs 410 & 145

State Sovereign Land
Well Abandonment Project History

- March 2018 – Commission staff issue a Statement of Interest for onshore and offshore well and production facility abandonment
- June 2018 – Contractor selected to conduct abandonment program
- September 2018 – Onshore well abandonments began
- January 2019 – Offshore well abandonments began
- June 2021 – Planned completion of abandonment
Phase 1 Current Status

• Offshore: 50 of 50 wells abandoned to mud line
• Onshore: 27 of 27 wells abandoned to surface
• Anticipated Phase 1 completion on target for June 2021
Island Wellbay
Island Tank Battery
Rincon Island September 2020
Causeway Repairs
Remaining Phase 1 Work

Current Focus: Final preparation for caretaker status

• Completion of security upgrades
• Maintenance of foghorn and lighting
• Removal of onshore offices
Rincon Phase 1 Accomplishments

- **Engineering and Construction Highlights**
  - 77 wells abandoned, with 10,000 barrels of cement placed
  - 1,000 feet of causeway upgraded
  - 41 miles of tubing, 190 tons of casing, and 400 tons of steel recycled
  - 3,028 tons of concrete removed

- **Health, Safety, & Environmental (HSE) Highlights**
  - Zero incidents
  - Zero spillage

- Completed ahead of schedule and under budget
Up Next

- Phase 2: Decommissioning Feasibility Study and Environmental Documentation
- Phase 3: Final Disposition
Rincon Phase 2 Decommissioning Feasibility Study and Environmental Documentation
Feasibility Study Components

- **Background and Description of Alternatives for Decommissioning**
  - Desktop Study Report
  - Phase 2 Execution Plan
  - Bathymetric Survey and Structural Survey
  - Coastal Engineering Study

- **Environmental Assessment/Alternatives Analysis**
  - Baseline Assessment of Core CEQA Checklist Items
  - Marine Biological Study

- **Socio-economic Analysis**
  - Environmental Justice
  - Commercial Fishing
  - Recreational Uses

- **Engineering Assessment of Potential Components**
  - Component 1. Removal of Island Concrete/Asphalt Covering
  - Component 2. Removal of Island Core
  - Component 3. Removal of Armor
  - Component 4. Causeway Removal
  - Component 5. Removal/Abandonment of Onshore Pipelines
Preliminary Alternatives

The Three R’s Approach: Removal, Reuse, Reefing

• **No Project**: For the purposes of CEQA, retain facilities in current condition

• **Removal** - Complete removal of the island and causeway, remediation and restoration of the onshore property

• **Reuse** - Retention of the island, repair of the causeway for long-term access, remediation and restoration of the onshore property

• **Reefing** - Retention of the island, removal of the causeway (vessel-based access), remediation and restoration of the onshore property
Potential Alternatives

- Feasibility Study Draft Alternatives Recommends
  - Complete Removal Alternative
  - Retain Island and Remove Causeway
  - Retain Island and Repair Causeway

- No Project
- Identify Preferred Alternative
  - Yes: Project Specific CEQA Document
    - Ongoing Public and Partner Engagement
    - CEQA Process Completed and Project Decision
  - No: Programmatic EIR

- Identify Potential Reuse or Reeding Partners
Desktop Study

- Review Construction Drawings and Reports
- Engineering Plans and Reports
- Past Inspection Reports
- Past Facility Repair Plans
Phase 2 Execution Plan

- Removal and Repair Methodologies
  - Procedures
  - Equipment
  - Timing
Bathymetric Survey and Structural Survey

- Combining multibeam sonars with 3D terrestrial LiDAR laser scanners
Etrac 3D Model Video

• Rincon Island LiDAR FlyThrough
  - https://www.youtube.com/watch?v=fu-5gGe50Dg
Coastal Engineering Study

• Modeling of nearshore wave climate, circulation, littoral transport, and shoreline morphology
• Determine potential impacts to coastal processes under the proposed alternatives
Engineering Assessment

• Develop a cost and schedule estimate for Phase 2 potential components:
  • Component 1. Removal of the Island Concrete/Asphalt Covering
  • Component 2. Removal of Island Core
    • Onshore or Offshore Disposal
  • Component 3. Removal of Protective Armor
  • Component 4. Causeway Removal
  • Component 5. Removal/Abandonment of Onshore Pipelines
Soil and Water Assessments

- Determine the presence of hydrocarbon contamination from historical operations
Feasibility Study Alternatives Review Diagram

1. Inventory Project Related Facilities
2. Define Preliminary Project Alternatives
3. Complete Preliminary Engineering Analysis for Alternatives
4. Develop Alternatives Engineering Package

- Conduct Initial Internal Alternatives Assessment
- Identify Potential Project Modifications or Data Gaps
- Complete Updated Project Alternatives Assessment
- Prepare Project and Alternatives Feasibility Study

- Complete Desktop Review of Available Literature
- Identify Data Gaps and Conduct Required Field Surveys
- Define Physical, Biological and Socio-Cultural Baseline
- Complete Additional Surveys or Data Analysis
Interactive Exercise 1: Feasibility Scope

What alternatives should be analyzed for Rincon Island?

a. **Removal** - Complete removal of the island and causeway, remediation and restoration of the onshore property

b. **Reuse** - Retention of the island, repair of the causeway for long-term access, remediation and restoration of the onshore property

c. **Reefing** - Retention of the island, removal of the causeway (vessel-based access), remediation and restoration of the onshore property
Interactive Exercise 2: Feasibility Scope

What alternatives should be analyzed for the Rincon onshore facility site?

a. Leave fenced and do not utilize
b. Active recreation (e.g., park or RV park)
c. Passive recreation (e.g., access points for nearby beach, such as parking)
d. Consider working with the County on another land use
Interactive Part I and II

IdeaBoardz
Wrap-Up and Next Steps

• How to stay involved:
  – Email us: Rincon.Phase2@slc.ca.gov
  – Our website: https://www.slc.ca.gov/oil-and-gas/rincon-island/
THANK YOU!

www.slc.ca.gov

@CAStateLands