La Quinta Channel Expansion
Feasibility Study Project Update

Port Commission Meeting

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March 19, 2024
La Quinta Channel Expansion Feasibility Study

- **12/2014**: PCCA proposal to USACE to deepen and widen the LQ Ship Channel
- **02/2016**: Project included in 2016 Report to Congress
- **12/2016**: Feasibility study authorized in WRDA 2016
- **09/2018**: Feasibility and cost share agreement executed & project kickoff
- **06/2018**: Feasibility study funded in 2018 USACE Work Plan
- **08/2021**: Study termination report issued by USACE
- **09/2023**: DMA initial economic assessment complete
- **02/2024**: DMA project management plan complete
Deepen La Quinta channel to 54 feet

Channel Improvements

Initial Economic Analysis– Clean Hydrogen

Project benefits and Federal decisions for authorization are based on reduction in transportation costs

Findings:

• Export growth from 1.2 MM tons in 2029 to 13 MM tons in 2038

• Without Channel Improvements (47-foot depth)
  ➢ Suitable for Very Large Gas Carrier (VLCG) operating draft
  ➢ 51,000 metric tons per call
  ➢ 24 VLCG trips in 2029 increasing to 237 VLCG trips in 2038
  ➢ Vessel Operating cost in 2029: $71,000,000
  ➢ Vessel Operating cost in 2038: $710,000,000

• With Channel Improvements (54-foot depth)
  ➢ Suitable for Ultra Large Gas Carrier (ULGC) operating draft
  ➢ 140,000 metric tons per call
  ➢ 10 ULGC trips in 2029 increasing to 93 ULGC trips in 2038
  ➢ Vessel Operating cost in 2029: $28,000,000
  ➢ Vessel Operating cost in 2038: $280,000,000

Discounted average annual benefits of over $450 million per year support a project cost of roughly $10 billion
Alternative Paths to Federal Authorization and Construction

Alternative Paths

Identical Feasibility Study & NEPA Requirements

Section 203 Feasibility Study
- Estimated initiation of construction: 10 - 15 years from study start
- Study and NEPA PCCA budgeted and managed (all costs PCCA with credit towards construction)
- Construction and maintenance cost share with USACE
- Requires congressional authorization
- Requires Federal appropriations for construction and maintenance

Section 204(f) Feasibility Study
- Estimated initiation of construction: 4 - 6 years from study start
- Study and NEPA PCCA budgeted and managed (all costs PCCA)
- Construction all PCCA cost; maintenance cost share with USACE
- Requires Assistant Secretary of the Army approval
- Requires Federal appropriations for maintenance

Section 408 Feasibility Study
- Estimated initiation of construction: 3 - 5 years from study start
- Study and NEPA PCCA budgeted and managed (all costs PCCA)
- Construction and maintenance all PCCA cost
- Requires USACE Southwest Division approval
Feasibility study plan and study costs identical for 203, 204(f), 408

Section 203 approach (default)
- Study cost $4.5 million
  - $2.07 M Engineering
  - $0.65 M NEPA
  - $1.20 M Formulation & Economics
  - $0.62 M USACE & Contingencies
- Post-Study Engineering & design cost share 50/50 ($ tbd)

Section 204(f) and 408 approach
- Study cost $4.5 million
- Engineering & design cost 100% PCCA ($ tbd)
Path to La Quinta Deepening: Next Steps

Initiate Study

- Identical study requirements under 203, 204(f), and 408
  - Engineering
  - NEPA
  - Formulation (study management & report writing)
  - Economics (cargo flow, fleet, landside facilities)

Decide between 203, 204(f), and 408 for project funding

- Decision point within two years contingent on:
  - Landside facilities plans and facilities construction schedule
  - ULGC status (design finalization, construction initiation)
  - Uncertainty in facility or ULGC materializing will cause 203 & 204(f) delays
Questions