



Port of Los Angeles

- Founded in 1907
- Propriety Department of the City of Los Angeles
- State Tidelands Trust Granted in 1911
- Non-Taxpayer Supported
- Cargo Reaches all 435 U.S.
 Congressional Districts
- By the Numbers:
 - 4,300 Acres of Land (1,740 Hectares)
 - **3,200** Acres of Water (1,295 Hectares)
 - 43 Miles of Waterfront
 - 53 Foot main Channel Water Depth
- 270 Berths and 25 Cargo Terminals
 - 7 Container Terminals
 - 83 Ship-to-Shore Gantry Cranes
- 116 Miles of Rail Tracks



2024 Lines of Business



















Economic Drivers

Employment Trade Value 1.4M 462k 128k \$292B Jobs (about 1 in 19) Jobs (about 1 in 15) Cargo Value Jobs Across the in the Five-County (CY 2023) in Los Angeles **United States Southern California Region** (Los Angeles) in Los Angeles 931k 171K 2.7M 16% Jobs (about 1 in 9) **Of United States** Jobs (about 1 in 13) Jobs Across the in the Five-County in Los Angeles and **United States** Market Share, POLA **Southern California Region** Long Beach (Los Angeles and Long Beach) Ranked No. 16 in the World (Los Angeles and Long Beach)



Port of Los Angeles Air Emissions, 2024

Compared to 2005 Baseline

-90%

Diesel Particulate Matter

-18% 🛡

Greenhouse Gases

-98%

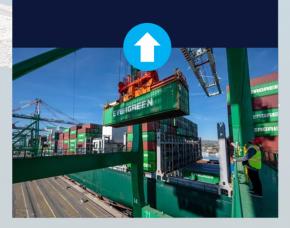
Sulfur Oxides

-73%

Nitrogen Oxides

+38%

TEUs





Zero Emissions Port Electrification & Operations (ZEPEO)



- Expand LADWP's RS-C and RS-Q Receiving Stations
 - Adds at least 200 MW for POLA
 - Increases Power Reliability and Redundancy
- New Switching Station in Wilmington
 - Increases Power Reliability and Redundancy
- New 34.5kV Distribution Lines
 - Distributes Power to each Marine Terminal

Project Cost: \$500.0M

Const.: 2027-2030 (DWP)

SEA LEVEL RISE STUDY OVERVIEW





Finalize Sea Level Rise Study

Task -

2025



Revise Sea Level Rise Study

- ✓ UPDATED SLR PROJECTIONS
- ✓ UPDATED RESILIENCY STRATEGIES
- ✓ MAPS THROUGH 2150
- ✓ GROUNDWATER IMPACTS
- ✓ CASE STUDIES
- ✓ PLANNING &DESIGN GUIDELINE

SEA LEVEL RISE PROJECTIONS



Sea Level Scenarios

Intermediate

Year	2018 POLA SLR STUDY	Draft 2024 Ocean Protection Council Guidance		
	Med-High	Intermediate	Intermediate- High	High
2030	1 ft (0.3 m)			
2050	2 ft (0.6 m)	0.7 ft (0.2 m)	0.9 ft (0.27 m)	1.1 ft (0.33 m)
2100	3 - 5.5 ft (0.9 – 1.7 m)	2.8 ft (0.8 m)	4.5 <u>ft</u> (1.37 m)	6.3 <u>ft</u> (1.9 m)
2150		5.5 ft (1.68 m)	7.7 <u>ft</u> (2.13 m)	11.3 ft (3.4 m)



IPCC AR6 Projections

SSP5-8.5 + LC Processes

SSP1-2.6





Original Guidance unanimously adopted - August 12, 20: Science Update unanimously adopted - November 7, 20: 2024 Update unanimously adopted - November 13, 202

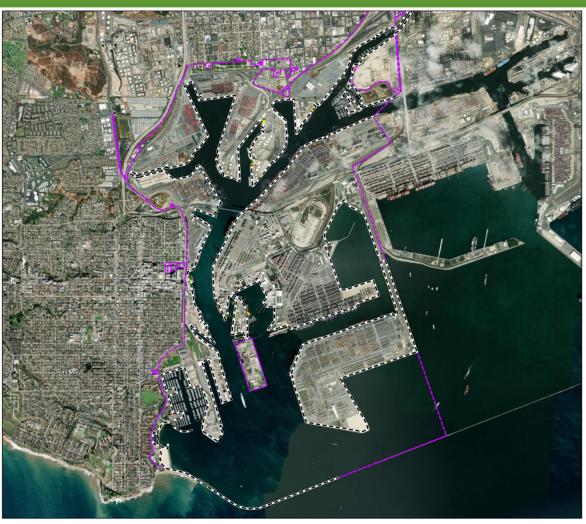
Sea Level Rise relative to year 2000

Assuming 3 Degrees of warming in 2100 Intermediate: 5% chance of exceedance Intermediate-High: 0.1% chance of exceedance

High: <0.1% chance of exceedance

SLR PROJECTIONS – 2050 HIGH





Inundation Mapping MHHW + 1.1 ft SLR 2050 High Scenario

Inundation

Depth (ft NAVD)

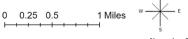
- 0-2
- 2-4
- 4-6
- 6-8
- 8-10
- >10

Overtopping

Depth (ft NAVD)

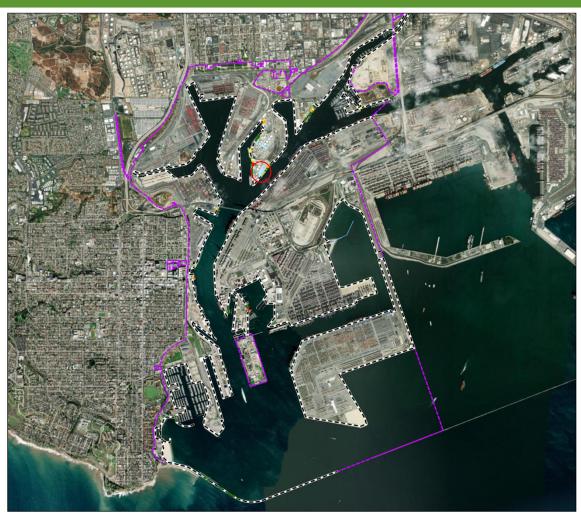
- --- No Overtopping
- --- 0-1
- ---- 1-2
- ---- 2-3
- --- 3-4
- 3-4
- 4-5 — >5
- Port of LA Boundary





SLR PROJECTIONS – 2100 INTERMEDIATE





Inundation Mapping MHHW + 2.8 ft SLR 2100 Intermediate Scenario

Inundation

Depth (ft NAVD)

- 0-2
- 2-4
- 4-6
- 6-8
- 8-10
- >10

Overtopping

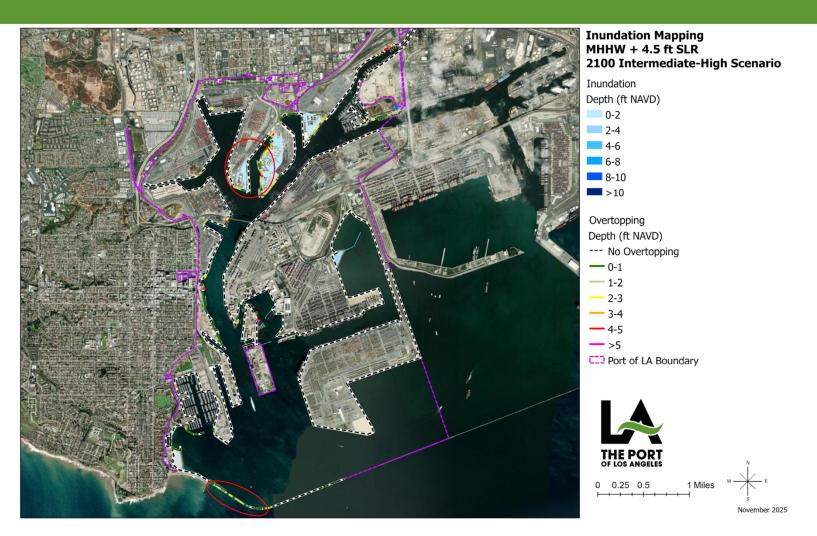
Depth (ft NAVD)

- --- No Overtopping
- --- 0-1
- ---- 1-2
- ___ 2-3
- --- 3-4
- Port of LA Boundary



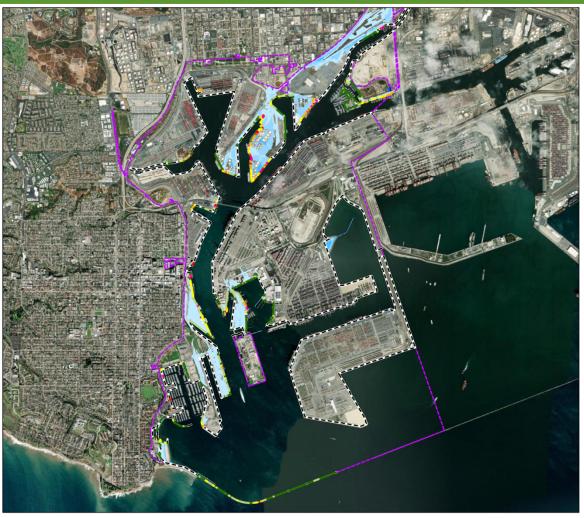


SLR PROJECTIONS – 2100 INTERMEDIATE-HIGH



SLR PROJECTIONS – 2100 HIGH





Inundation Mapping MHHW + 6.3 ft SLR 2100 High Scenario

Inundation

Depth (ft NAVD)

0-2

2-4

4-6

6-8

8-10

>10

Overtopping

Depth (ft NAVD)

--- No Overtopping

-- 0-1

---- 1-2

___ 2-3

— 3-4 — 4-5

Port of LA Boundary

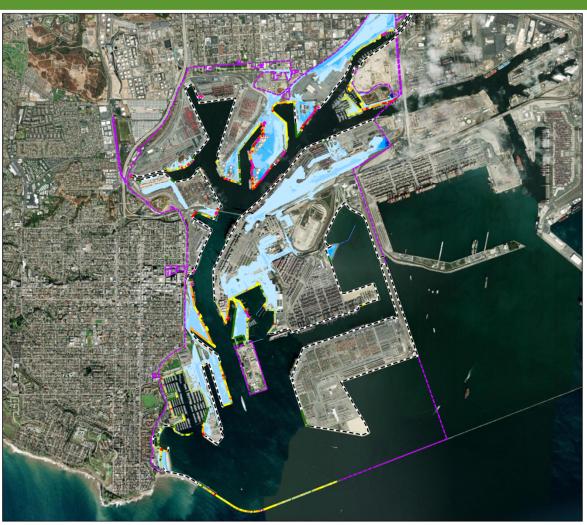




ovember 2025

SEA LEVEL RISE PROJECTIONS





Inundation Mapping
MHHW + 7.7 ft SLR
2150 Intermediate-High Scenario

Inundation

Depth (ft NAVD)

0-2

2-4

4-6

6-8

8-10

>10

Overtopping

Depth (ft NAVD)

--- No Overtopping

--- 0-1

---- 1-2

___ 2-3

--- 3-4

Port of LA Boundary





RESILIENCY STRATEGIES



GOVERNANCE

- SLR language in policy, planning, and design
- CCC case Studies
- SLR in Capital funded projects
- Monitor and update

INITIATIVES

- Local, State, Federal, and International collaboration
- **Funding Opportunities**
- **Subject Matter Experts**
- Climate Resilience Advancement in Zero **Emission Technology**

INFRASTRUCTURE

- Temporary and Permanent protection
- Innovative solutions
- Elevating and nature based solutions





















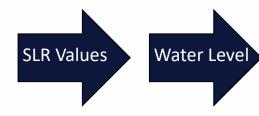
PLANNING GUIDE & CONSIDERATIONS



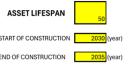












O OF SERVICE	2085
OF CONSTRUCTION	2035 (year)
T OF CONSTRUCTION	2030 (year)

Type of Asset / Examples	Design Life / Lifespan	Acceptable Vulnerability	Risk Tolerance	Risk Aversion	SLR Scenario Guidance
Benches, trails, wetlands, living shorelines	Short (temporary to 2050)	Moderate (adaptive, low consequence)	Higher (due to adaptability)	Low	Intermediate Scenario
Non-primary transportation, warehouses, offices, storage, parking, supporting utilities, modifiable ops infrastructure	Moderately Long (2050 to 2100)	Low to Moderate (recoverable)	Medium (acceptable recovery)	Medium-High	Intermediate-High Scenario
Cargo terminals, critical facilities, primary transportation, lifeline assets, hazardous natural resources	Long (beyond 2100)	Very Low (near zero tolerance)	Very Low (resilience or staged adaptation triggers)	Extreme	High Scenario (or adaptation triggers with future upgrades)
		SLR SCENARIO	put an "x" in the correct scenario		
		Intermediate			
		Intermediate-High	×		
		High			

	Intermediate	Intermediate-High	High
2020	0.2	0.2	0.2
2030	0.3	0.4	0.4
2040	0.5	0.6	0.7
2050	0.7	0.9	1.1
2060	0.9	1.4	1.8
2070	1.2	2.1	2.7
2080	1.6	2.8	3.8
2090	2.2	3.6	5
2100	2.8	4.5	6.3
2110	3.5	5.3	7.6
2120	4	6	8.6
2130	4.5	6.6	9.5
2140	5	7.1	10.4
2150	5.5	7.7	11.3
	YEAR	2085	
	SLR SCENARIO	Intermediate-High	
	SLR VALUE	3.2	

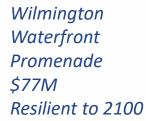
	1924-1932 Epoch	
D	Elevation	SLR Value
Description	(ft, NAVD88)	3.2
100-year Storm Tide Level (FEMA BFE)	8.00	11.20
Mean Higher-High Water	5.05	8.25

- Ship/Shore Interface
- **Rail Connections**
- Passenger/Cruise **Boarding**
- **Utility and Service** Connections

CAPITAL PROJECT IMPLEMENTATION









West Harbor Development Buildings Resilient to 2100



PIER 500



Request for Proposal Due March 26, 2026



KEY TAKEAWAYS



