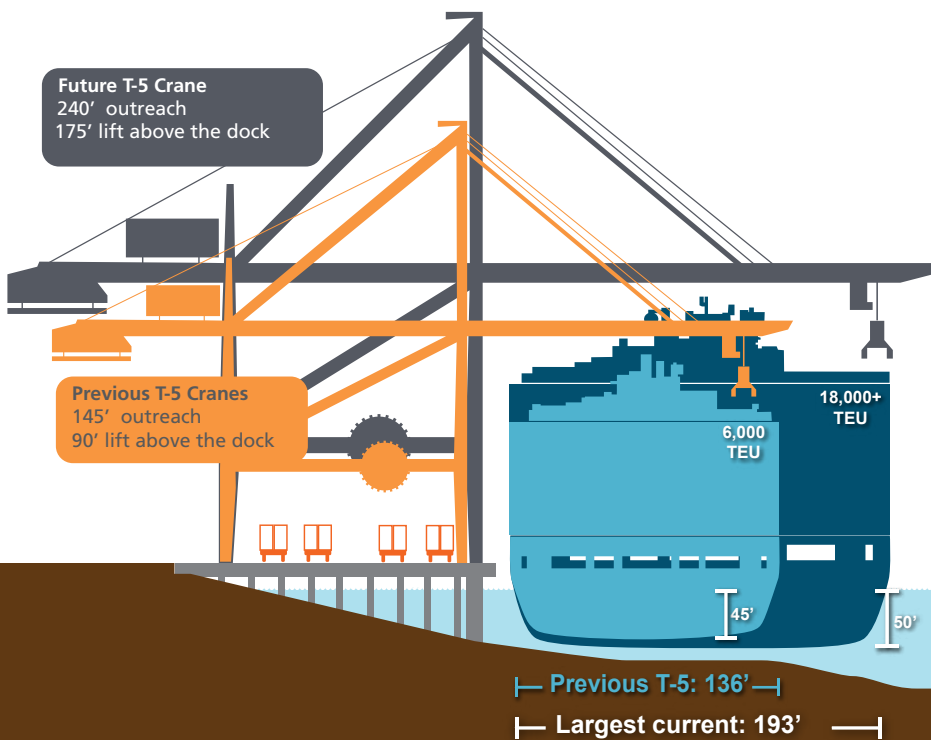




TERMINAL 5 MODERNIZATION PROGRAM

The Terminal 5 Modernization Program will maintain economic and industrial diversity and living wage jobs that are key to building an equitable and resilient economy in our region. The Northwest Seaport Alliance (NWSA), a marine cargo operating partnership between the Port of Seattle and the Port of Tacoma, is investing in Terminal 5 to grow international marine cargo through infrastructure improvements that attract larger container ships and associated cargo.



GETTING BIG SHIP READY

Bigger ships require bigger infrastructure. The four new Super Post-Panamax cranes have a longer reach to load ultra-large container ships with a capacity of up to 18,000 containers.

BENEFITS OF TERMINAL 5 IMPROVEMENTS

Energy upgrades means clean power to reduce emissions

Larger cranes require more electrical power, so the power supply will be upgraded from five megawatts (MW) to 25MW. Power upgrades provide **shore power capabilities allowing vessels to plug into electricity** while at berth for quieter, cleaner, and greener operations.

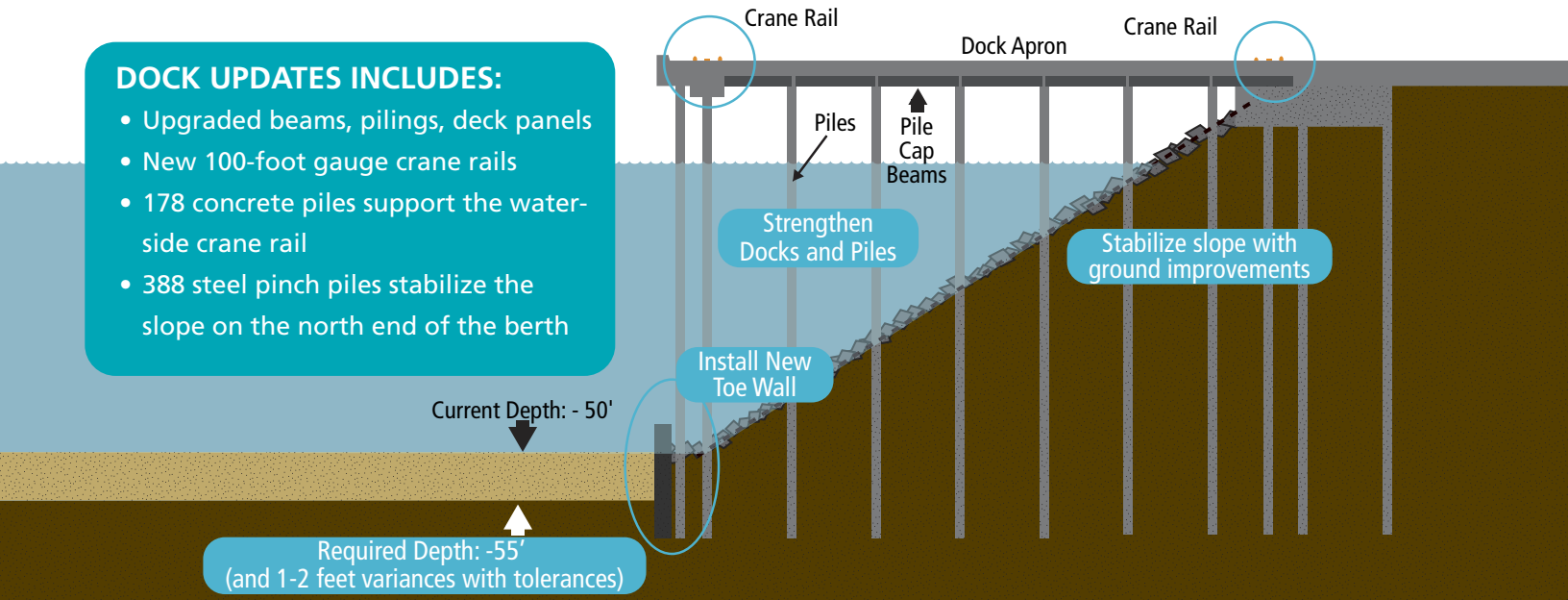
Capacity creates more economic opportunity

When complete, Terminal 5 will have **185 acres of capacity for cargo**. The ability to add capacity to port operations is unique among West Coast ports and offers a strategic opportunity for the NWSA to compete for more containers that increase economic opportunities in our local communities.

More cargo means more jobs

The project is forecast to create **2,400 full-time temporary direct design, engineering, and construction jobs**. And by 2050, the improvements will generate an estimated **6,600 permanent new direct jobs**. Every direct job at the NWSA gateway translates into 1.9 additional jobs in other sectors across our region.

- DOCK UPDATES INCLUDES:**
- Upgraded beams, pilings, deck panels
 - New 100-foot gauge crane rails
 - 178 concrete piles support the water-side crane rail
 - 388 steel pinch piles stabilize the slope on the north end of the berth



SCOPE, SCHEDULE, AND BUDGET

Phase 1 construction for berth modernization began with demolition and construction of the north section of the dock and installation of new electrical infrastructure. A new primary substation will supply power to the new cranes and provide shore power to vessels. Phase 2 is currently underway and focuses on the south berth. Berth construction is estimated to be complete at the end of 2022. The Uplands Improvement Projects at Terminal 5 are anticipated to be complete by late 2023.

The estimated program budget is between \$365 - \$380M. The program has been awarded \$16.9M in grant funding.

