Alamitos Barrier Improvement Project

Island Village Community Meeting
January 13, 2016

Orange County Water District
Two freshwater injection barriers protect Orange County from seawater intrusion.
The Alamitos Barrier has operated since 1964.
Saline groundwater is getting through parts of the barrier.
OCWD will be constructing 17 new injection wells to prevent further intrusion.
OCWD is also planning 4 new deep and 2 shallow monitoring wells to measure long-term barrier performance.
Drill rig
Well construction on Los Alamitos Channel access road
Noise Wall Construction along the top of the Channel

Example of Temporary Noise Wall

120’ long by 24’ high noise wall at each well site

Located along the east side of the Los Alamitos Channel

Will not reduce noise at Island Village
Injection and monitoring well construction on the Los Alamitos Channel access road

- Construction of 17 injection wells and three deep monitoring wells at 11 sites

- Well construction duration: about 1-1/2 years
  - Southernmost well construction duration: 4 - 5 weeks

- Well construction work hours:
  - 24-hours a day, including some weekends
  - Total number of nights for southernmost injection well: 4 – 6 nights
Mobilization of well construction equipment scheduled to start next week (Jan 18)
- Start date for southernmost injection well: to be determined
- Advanced notice will be provided

Injection well equipping (vaults, piping, valves) starts after all wells are constructed
- Days only
The project Fact Sheet (hand-out) includes OCWD contact information:

- 24-hour construction hotline: (714) 378-8244
- Email: info@ocwd.com
End of Presentation

Questions?