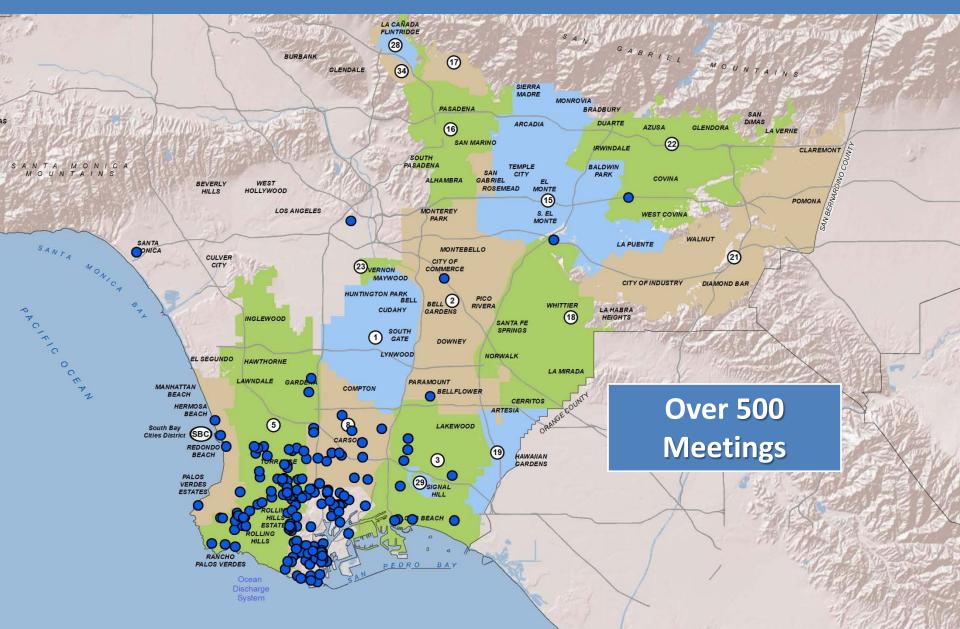


Update CLEARWATER PROJECT

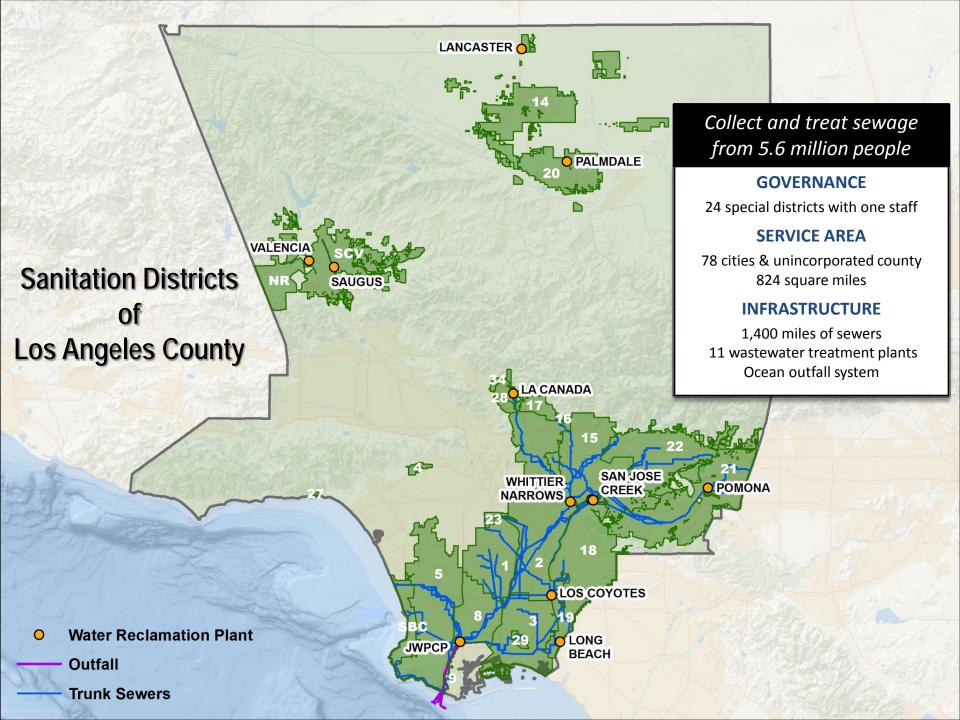
PUBLIC WORKSHOP

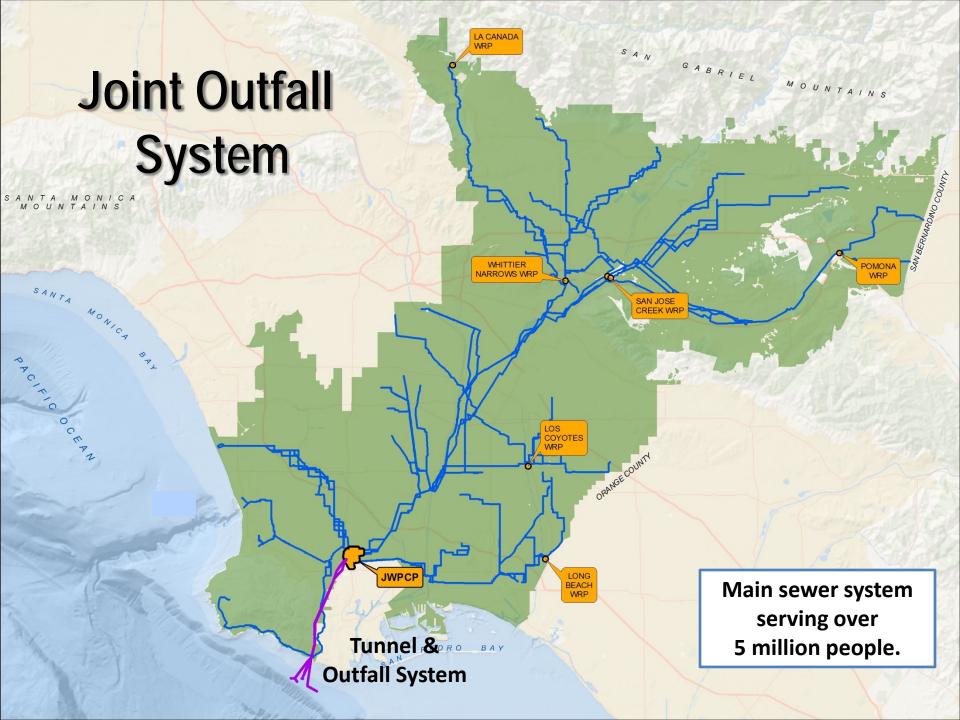
San Pedro Doubletree Hotel September 19, 2017

Previous Clearwater Outreach

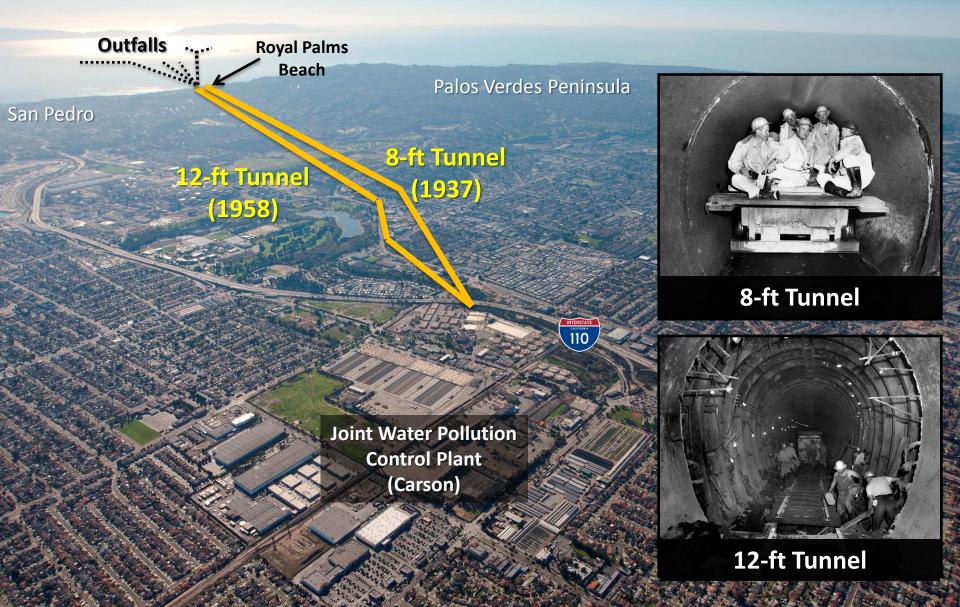


A HIG COLLE





Existing Tunnels & Outfalls



Consequences of Tunnel Failure

110

Dominguez Channel

Los Angeles Harbor

Machado Lake

Joint Water Pollution Control Plant (Carson)

> Wilmington Drain

Partially

Consequences of Tunnel Failure

Dominguez Channel

Upstream Sewage Diverted To Channel

Joint Water Pollution Control Plant (Carson) Los Angeles Harbor

Machado Lake

Wilmington Drain

110

NEW TUNNEL

Essential for System Reliability



Construction at JWPCP (2018-2025)

ENTRY SHAFT

T.I.I.

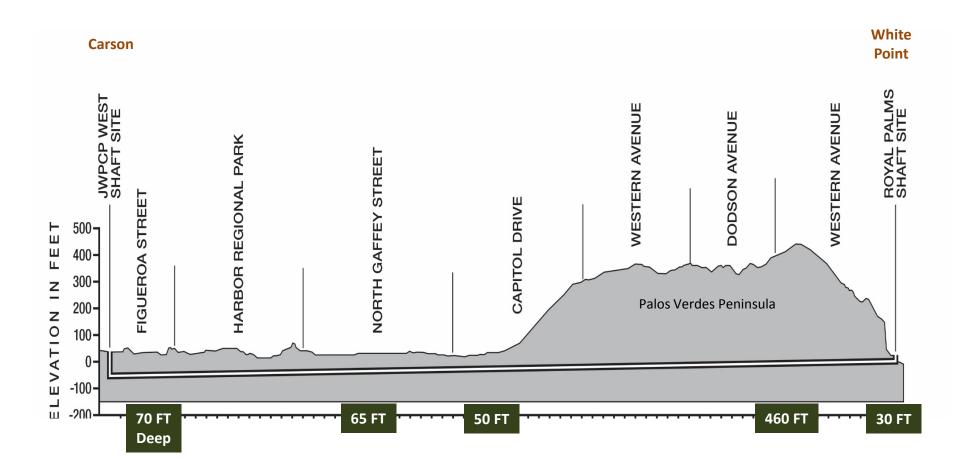
Joint Water Pollution Control Plant

Figueroa S

Sepulveda Ave

110

Tunnel Depth Profile



Work at Royal Palms Beach (2023-2025)

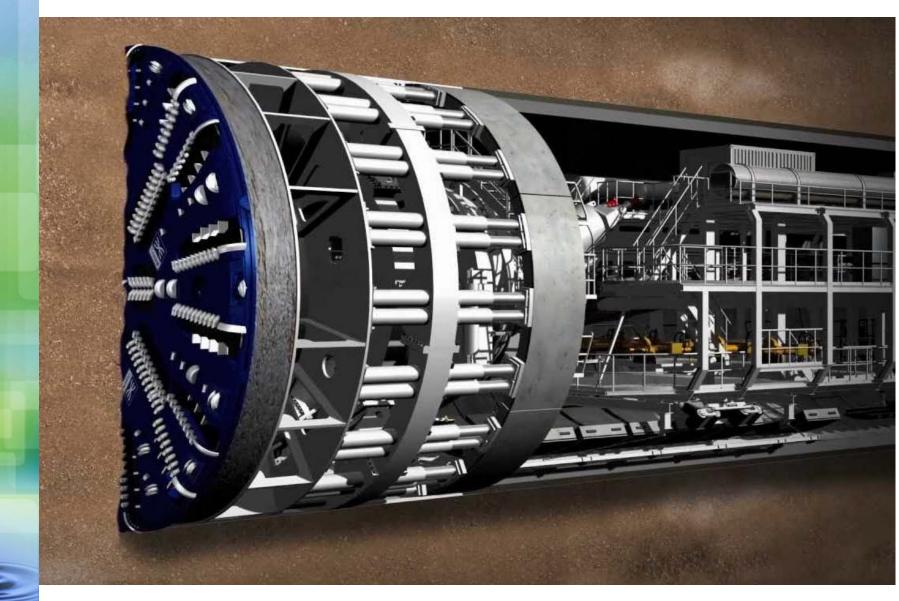
CRANE

VISUAL/SOUND BARRIER

WORK ON NEW TUNNEL About 2 Years

NPI-I

Tunnel Boring Machine (TBM)





Sophisticated Controls

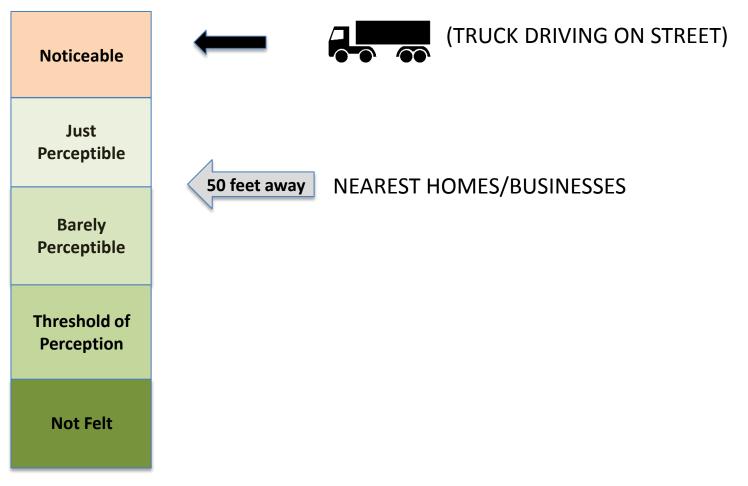




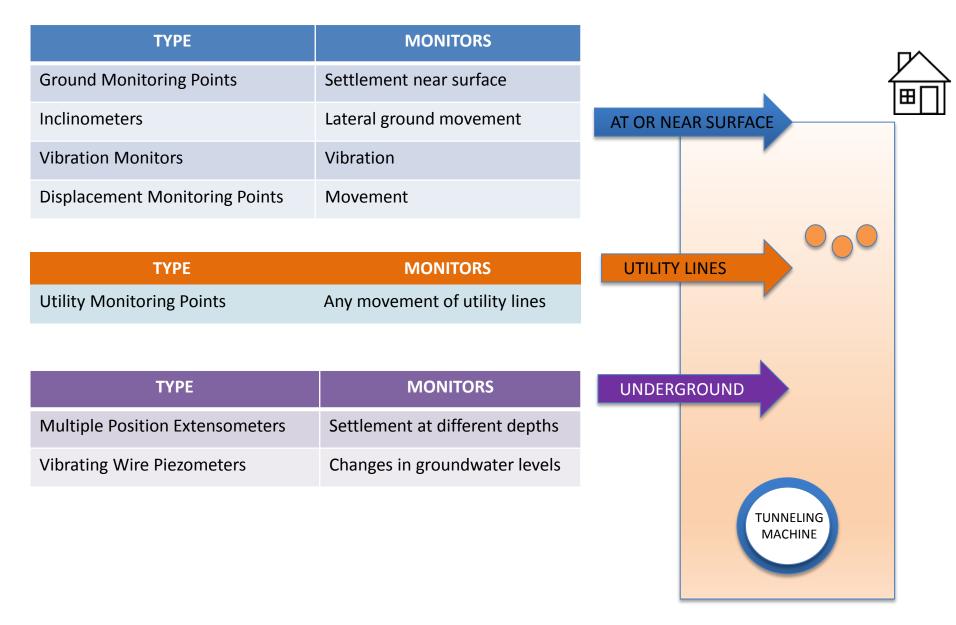


Tunneling in Soil

VIBRATION



Monitoring Program



Project Timeline

