

Orange County Coastkeeper opposes the proposed Huntington Beach Desalination Project and here's why:

- Using a destructive 1960's intake technology is not right for a 21st century project
- More practical and cost effective alternatives exist
- Even with droughts we have all the water supplies we will need for the next 25 years

Protect your wallet and the environment! Educate yourself on facts that project proponents aren't talking about.

To learn more and get involved, please visit:

Orange County Coastkeeper:
www.coastkeeper.org/desal_hb

Residents for Responsible Desal:
www.R4RD.org

Orange County Desal Coalition:
<http://on.fb.me/1Ji0Kde>

Pacific Institute Desalination costs and Financing:
<http://bit.ly/1UJaFKL>

Surfrider Foundation Video:
<http://vimeo.com/10328536>

Environmental Impact Report of the proposed project:
<http://bit.ly/2b0irnp>



3151 Airway Avenue, Suite F-110
Costa Mesa, CA 92626-4621
www.coastkeeper.org

P: 714-850-1965
F: 714-850-1592



THE **TRUTH ABOUT
THE PROPOSED
HUNTINGTON BEACH
DESALINATION PROJECT**



Desalination 101:

Desalination is the process of removing salt from saltwater to produce drinkable water. It is the most expensive way to produce water due to its massive energy requirements. It is typically used only as a last resort when no other options exist. Desalination plants must be carefully located and designed to minimize environmental damage. Subsurface intakes should be used instead of hooking up to a power plant cooling system.

Desalination itself is not inherently bad, but this project is.

Poseidon Resources, owned by Brookfield Infrastructure Partners, L.P. is attempting to use antiquated and environmentally damaging technology for its proposed Huntington Beach desalination facility.

Community impacts from the proposed desalination plant:

- ❖ Water costs will increase, resulting in higher rates increase to ratepayers.
- ❖ Local energy consumption and greenhouse gas emissions will rise. Poseidon will use enough energy to power 30,000 homes.
- ❖ Ocean water quality will be degraded by the dumping of brine into the ocean.
- ❖ Use of open ocean intakes will continue the destruction of fish stocks.

There are serious problems with this proposal

- ❖ Adopting Poseidon's plans would be a pivotal step toward privatization of our water supply. This may pave the way for corporations to control what has historically been a public resource and diminish the public's control of our water supply system.
- ❖ Public agencies are better suited to design, own, and operate desalination projects, as community benefits are their top priority.
- ❖ Poseidon is seeking public financial support for a "privately funded" project.
- ❖ The 2015 Water Management Plan, released by our water supplier, MWDOC, states that they will be able to supply all the water we are projected to need for the next 25 years, even with droughts, without desalination.

Poseidon's track record speaks for itself:

Just four months after opening, Poseidon's Carlsbad plant received a Notice of Violation in April 2016 from the San Diego Water Board for discharging toxic brine and other violations of their NPDES permit. A Tampa Bay plant they were involved with has never produced the volume of water promised. Poseidon has to prove success before they build another plant.

If not Poseidon's proposed desalination facility, then what?

More practical and cost effective alternatives exist, here are just a few:

- ❖ Conservation and storm water capture options should be fully implemented prior to taking on costly and destructive desalination projects.
- ❖ The Orange County Ground Water Replenishment System produces 100 million gallons a day of fresh water from treated waste water. This proven state of the art methodology, from a public agency, has drastically lower costs than the proposed desalination process.
- ❖ Recovering groundwater and urban runoff can provide water at lower costs and produce environmental benefits by reducing groundwater and ocean pollution.

