



CalDesal



Desalination in California Energy and Water Nexus Summit 2

Bay Planning Coalition
September 12, 2013

Ocean Desalination: A Reliable Water Supply



Value in Reliability:

- Helps secure the local and state economy and quality of life
- How much are your ratepayers willing to pay for reliability?

Benefits from investing in reliability

- Conservation and recycled water also reliable, but Desal only one available for direct drinking water
- Mitigates risk of service disruption

Concerns Desal helps address:

- Imported water reliability annually subject to regulatory drought
- Drought and earthquake risks
- Environmental benefits.

So cost associated with the reliability of ocean desal can be justified

Ocean Desalination

Energy use

- Key cost driver for a Desal plant
- Improved membrane technology and energy recovery devices have reduced power use
- Natural gas price has dropped recently
- 33 percent renewable mix by 2020

Regulation of Ocean Water Desalination

- The State Water Resources Control is in the process of amending the California Ocean Plan
- Proposes to amend the Ocean Plan with three ocean water polices:
 1. Intakes and mitigation
 2. Brine Disposal
 3. Salinity Objective



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Questions?

For membership information

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