From: Thomas Dinkel <thomasdinkel@icloud.com>

Sent: Monday, June 08, 2015 2:07 PM

To: MPWSP-EIR

Subject: Information about the Monterey DeSal project

Attachments: SEADOV WA 1 pager v4.pdf

Hello -

Please put me on the email update list to receive updates about this project.

Also - I am wondering who I might speak with at CAL PUC about an innovative and viable alternative to shore-based desalination? SEADOV is a ship-based desalination platform of roughly the same output as the Monterey project, but on-board a surplus ship(s) anchored offshore. The ships use wind and wave energy to power a Reverse Osmosis desalination plant in the hull, and pump fresh water ashore via a submerged pipeline.

Unlike shore-based Desal plants that are subject to damage from either earthquakes, or Tsunami's, or BOTH.....a SEADOV deployment is immune from damage from either occurrence and can continue operations throughout the crisis.

Further - by using wind and wave energy to power the RO desal plant, the significant expense of shore sourced energy is avoided. In comparison with the Monterey project's capital cost, a SEADOV deployment is roughly half of what has been estimated, and with a 15 year contract term the cost of fresh water will be roughly the same. A SEADOV deployment is truly a Public Private Partnership, as SEADOV will assume all the capital costs and simply seek a water supply contract from the qualified water district or water authority.

If possible I would like to explore this opportunity in more detail, and perhaps in person, with someone at the PUC? A brief one-pager information sheet is attached for your review.

Looking forward to meeting with you soon -

Best Regards,

Tom

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Company Brief

What We Do

Ship-based Reverse Osmosis Water Desalination, using wind and wave energy to power the RO Process. Water is pumped to shore, and billed as delivered. The SEADOV is owned and operated by the Company through a LLC capital structure, fresh water is sold at a fixed rate per gallon to the off-taking Water Authority. The SEADOV is not only 'earthquake proof', but 'Tsunami-proof' as well, thus providing 'emergency' water to shore in the event of natural disasters.



Target Market

Primary: California Secondary: Texas, Florida, Caribbean Islands, Brazil, Africa, Austrailia

Why Needed

Fresh water is a scarce commodity in many places throughout the world, but recent drought conditions in the State of CA create an immediate demand for innovative solutions. Traditional water desalination plants have many hurdles to overcome including siting, permitting, financing, energy use, etc. Ship-based plants can be moved to where they are needed most, are 'emergency' & 'temporary' in nature, and can be deployed quickly.

Target Customer

Water Districts in the State of CA, bordering the Pacific Ocean or with distribution agreements in place with those that do border the Pacific.

Market Opportunity

Estimated capital costs for a single SEADOV platform is ~\$100 million USD. There are approximately 10 targeted Water Districts in the State of CA alone, creating a ~\$1Billion opportunity.

Competition

- Shore based Reverse Osmosis plants
- Shore based Thermal desalination plants
- Proposed ship based, fossil fuel powered RO plants (not yet in existence)

Project Status

Significant 'proof of concept' testing completed, cash flow models completed, hard cost estimates in hand, seeking Water Districts who can sign a long term (15 year) supply agreement, and seeking funding to deploy the first operational platform.

Revenue Model

SEADOV uses a deployment model proven by large scale solar and wind markets, taking on dedicated project finance for each deployment. Revenue is generated through the delivery of metered fresh water to shore, and the Water District / off-taker pays a set price per unit of water delivered. The investment is repaid over a 15 year term.

Differentiators

Unlike shore-based desalination plants, SEADOV utilizes wind and wave action to drive the pressurization for the Reverse Osmosis desalination plant onboard surplus Aframax single hulled supertankers. The waste brine is combined with copious quantities of fresh sea-water to dilute it to a level that is not harmful to surrounding sea life. By being offshore, the Desalination platform is not drawing its supply water from bays or estuaries where sealife is more plentiful, nor occupying expensive and precious waterfront real estate, and is not drawing its energy from the electrical grid (which is too expensive to be commercially viable).

Team

- Thomas Dinkel >20 years experience in energy industry; former CEO SunReports, Inc., VP Sales & Marketing, Fat Spaniel; senior roles at Honeywell, Johnson Controls, Whisper Communications
- Peter Parker, Chairman of the Board SEADOV Co Founder of SEADOV, former Chairman of Tidal Energy Australia, Founder of Inventco
- Captain Philip Griffin, Managing Director SEADOV Consultant Marine logistics and support, Oil and Gas Industry
- Brian Kirke, PhD., MEng, BE -- Technical Director Senior Research Engr EcoTech, PhD wind turbine design, Lecturer Griffith University AUS

Next Steps

Seeking Water Districts who are interested in exploring the opportunity further

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