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Phase 3 Program : Renewable Energy : Desalination

Dear Sir:

We are a small company developing innovative technologies in the Desalination Industry.

1. Regarding the Phase 3 WET Program for Renewable Energy powered Desalination, we have been working on a technology that Integrates a Solar Powered Seawater Reverse Osmosis Desalination unit™ that is intended for both Onshore and Offshore installation and was wondering if this program focuses primarily on Onshore. With this technology we intend to desalinate seawater at the source offshore by installing our unit on a floating platform and use our innovative energy exchanger to pump back to shore the Permeate by using part of the reject derived from the process.

The production capacity is limited to 2m³/d plant as the size of the Solar PV cells get quite large

2. We also have a large scale technology that utilizes LNG as the power source and coupled to our innovative energy exchanger can efficiently produce 25,000m³/d of desalinated seawater. This unit is installed on a floating ship-shaped platform and process the seawater offshore and pumps the permeate back to shore for further processing.

We consider the use of LNG as a power source as the fuel have low CO₂ emission compared to conventional fuels. We are also using the LNG in a novel manner that which improves the Power generation efficiency considerably.

If you could advise how we could go about submitting our application that will be great. The intent is to apply these units offshore California

Cheers

Jay

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