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24-SB-605 Thanks for sharing new onshore Wave Energy Converter design detail_Question about distribution vs transmission impacts

Saturday, March 5th, 2025
California Energy Commission

RE: 24-SB-605 Thanks for sharing new onshore Wave Energy Converter design detail and question about distribution vs transmission impacts

Please see the attached pdf.

Additional submitted attachment is included below.

Saturday, March 5th, 2025

California Energy Commission

RE: 24-SB-605 Thanks for sharing new onshore Wave Energy Converter design detail and question about distribution vs transmission impacts

To All Concerned:

Thank you for the in-depth coverage of your recent report for Senate Bill 605 Wave and Tidal Energy. I especially appreciated seeing details on newer wave energy generation designs which can be potentially fixed to port structures. As a native Californian who spent many a young weekend with family body surfing with my dad, and occasionally being tossed around sometimes violently by small to medium waves, I appreciate the potential of California wave energy generation possibly more than most land lubbers, including expert academic types.

Waves do not stop when wind stops. Waves continue when the sun goes down. Waves might have seasonal considerations however.

Over the past years I noticed Eco Wave Power's leadership sharing what seemed to be a new wave energy generation design on Linked IN. Since EWP is a business with business interests, it seems wise that this newer design's wave generation details, including capacity, be evaluated by experts with third party perspectives, such as the CEC. *

The new onshore WEC design concept seemed appropriate for California's long coastline, and seemed worth considering since California has not had transmission from its long ocean side and offshore wind projects are usually shown as much larger design concepts with possibly greater environmental impacts. I am glad EWP has a pilot project at the Port of Los Angeles and a large MW project planned in Portugal.

Smaller coastal installations, possibly small California coastal cities might possibly be able to sustain clean energy in small areas, in a distributive energy way, providing some resilience and paid, professional work.

Unfortunately, Bodega Bay, an area with an extensive breakwater, which I expected might most embrace this newer onshore wave energy design shows on a report map as having an exclusive National Marine Sanctuary. I am not certain if it is reasonable or possible for designated ocean protected areas to make exceptions for designs which may not be as impactful as large offshore transmissions, but I hope that conversation can be examined too.

I am asking if it possible that this information can show that there may be a difference in offshore transmission generation versus onshore WEC impacts, to consider by the public and their communities?

NOTE I also truly appreciated the report covering electromagnetic fields, EMF. Though traditionally EMF via cables and wires has been evaluated, now in the year 2025 and across air spaces there seems many more EMF types, from many different industries. Some of this EMF includes radar, which has been

written to be considered thermal. Cumulatively and inconsistently, it seems possible EMF could contribute to weather abnormalities and global warming, along with emissions from greenhouse gases.

Again, many thanks for the report and the archived Zoom meeting.

Sincerely,

Claire Zuma

* In the past, I have thought similarly about anaerobic digester energy generation designs since when the business leaders speak of such, the public does not necessarily understand what pros and cons exist and how much generation such installations produce. Attempting to find out how much generation is produced, if it is successful or if there are problems with such generation via basic citizen home research has not been easy.