

DOCKETED

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*Comment Received From: GRZ Technologies Ltd.
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on Distributed Hydrogen Solicitation Concept

Additional submitted attachment is included below.

From: [Christian Wehri](#)
To: [Energy - Docket Optical System](#)
Cc: [claudio.ruch](#)
Subject: Re: Distributed Hydrogen Solicitation Concept 22-ERDD-03 / COMMENTS - GRZ TECHNOLOGIES
Date: Friday, October 27, 2023 1:27:28 PM

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Dear Sirs,

I am the official representative of GRZ Technologies Ltd., a Swiss based innovation technologies manufacturer, who is interested to participate in the “Distributed Hydrogen Solicitation Concept 22-ERDD-03”. Please take note that we have the following questions and comments:

- We, GRZ TECHNOLOGIES find this program relevant because it is focused/aimed to a “decentral area” where our technologies (H2 to E Power Modules) appear to offer an excellent fit
- Some information on page one regarding size of project is not clear to us. The 20M or 7 M USD refer to one or several projects? Perhaps 2-3?
- We appreciate to learn that up to 50% of the/a project appear to be funded.
- We believe that relevant partnerships with Californian companies will offer a great portion of return, by providing a high level of local infrastructure in terms of integration, water production, H2 production and etc.
- Please be informed that we are amidst searching and forging partnerships with Californian Companies in order to become a “compliant” company/supplier
- We understand that the rate of funding up to 65% is attractive that covers “equipment”
- The timeline given is generous, that helps us to become a strong participant and we also appreciate the fact that the “equipment” may be transferred to another location once the project phase is concluded. We could potentially offer diverse offers for the future
- Page 4: «Collocated production facilities and end-use applications must focus on either addressing hard-to-electrify sectors or ensuring reliable power generation. Projects must demonstrate clean hydrogen production, storage, and end use on the same property, either at new facilities or at existing hydrogen production facilities that have been scaled up.» ß This is on fact perfect for us
- Page 5: We estimate the H2 production to be 42 – 108 kgH2/h, this a great amount. That requires minimum 2.24 MW Electrolysis, or other type of H2 production.
- Page 5: Another perfect fit, «co-locating renewable energy production with hydrogen production, storage, and end use»
- Page 6: We do not understand what M&V Plan means, please clarify
- Please confirm if this program will be eventually «a go ahead» or i fit is a preliminary/study-idea?

We imagine that the main source of electric power could be a factory, a large solar park or Eolic park, that would facilitate the “integration/inclusion” of the specified portion

- Page 9: We believe that we can manage/satisfy the Pre-Application Abstracts with ease

We also have further general comments as follows:

To ensure that funded projects and their impacts can inform future deployment of hydrogen in California, would it be possible the CEC to consider additional performance metrics beyond those proposed for the M&V plan in Section IV? We refer to:

- Efficiency of the storage
- Safety of the storage.
- Space consumption. Solution must have a small footprint (high energy density) per example metal hydride technology.

Are there specific end uses we should target with the one to five metric ton hydrogen capacity? If so, why?

- On-site production of peak power up to 0.5 MW
- On-site refueling of commercial vehicles at 350 bar(g)
- Production of green synthetic methane.

We would like to thank the CEC for giving us, GRZ Technologies Ltd. the opportunity to present its advanced green technologies. Also, thank you very much for offering a response by e-mail which is crucial to me to provide/submit this information while flying on an airplane all day long.

Please do not hesitate to contact me at any time in case of questions or in case some more information may be required at this point.

With best regards,

Christian Wehrli

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