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**GFO-19-305 NOPA, Alaska Applied Sciences, Inc Application,
Group 2**

Additional submitted attachment is included below.

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CEC Commissioners and Staff,

30 May 20

At your 10 June 20 meeting, in your awards for GFO-19-305, please consider adding the Group 2 funding requested by our company, Alaska Applied Sciences, Inc., in our proposal "Complete System Solution for Low-cost Storage of Low-cost 'Green Electrolytic H2' " :

- For the full \$ 657,335 we requested, by re-allocating part of funding provided to other awardees, or
- For the \$ 113,650, of \$ 11 million available, not awarded by the GFO-19-305 NOPA, or
- For an intermediate amount.

Funding at any of these levels would allow us to begin work on one or more aspects of our project, which will contribute to "Support California's Clean Energy Goals" via the intent of both Group 1 and Group 2 technologies. We will thus be better prepared to add further value to achieving these goals via future project funding opportunities, from diverse sources. Hydrogen's full technical, economic, and strategic values will be achieved only via optimized, integrated, complete, CO2-emission-free energy systems, at very large scale, via pipelines.

Our project proposal did not match well the GFO's requirements, so did not score well. However, as presented, our project would add great value to achieving "California's Clean Energy Goals", and thus should be supported by CEC funding in the modest range we request, above. We encourage you to think beyond the GFO and "Grid".

Time is of the essence. Diverse decarbonization pathways for the entire human enterprise must be pursued. The COVID disaster reminds us how difficult that near-total decarbonization and de-GHG emission path to "California's Clean Energy Goals" will be. We need to invest, now, in both technologies and total systems design.

Meantime, in the above context, please consider my panel presentation for the Energy, Utility, Environment Conference (EUEC), San Diego, 20-21 April (virtual):

" California's Dilemma: Rebuild and Harden Electricity Grid or New Hydrogen and Ammonia Pipelines with Low-cost Storage ? "

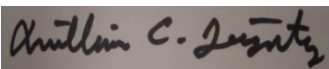
https://s3.amazonaws.com/v3-app_crowdc/assets/c/c2/c21883d7d6231e86/Bill_Leighty_-_Leighty_Foundation_-_California's_Dilemma.original.1588884341.pdf?1588884343

Also, please see video of my relevant recent conference panel presentation on renewables-source hydrogen:

" Deep Decarbonization of Total Global Energy: Hydrogen and Ammonia C-free Fuels as Integrated Energy Systems "

<https://vimeo.com/301111544>

Thank you for your consideration. I will attend your 10 June meeting via WEBEX, if you so suggest. Best wishes in your important work.



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