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FY 2022-23 R&D Initiatives

See attached

Additional submitted attachment is included below.



January 31, 2022

California Energy Commission
FY 2022-23 Gas R&D Initiatives

Submitted via PIER Gas Docket

Dear Sir or Madam:

RE: Large-volume Hydrogen Storage for Targeted Use Cases

By way of introduction Wild Goose Storage, LLC and Lodi Gas Storage L.L.C. are independent gas storage providers in the state of California. They are collectively managed by Rockpoint Gas Storage ("Rockpoint"). Rockpoint is one of the largest independent gas storage providers in North America.

Rockpoint is responding to the stakeholder questions posed in the January 19, 2022 California Energy Commission's (the "Commission") presentation on its FY 2022-23 R&D Initiatives. Specifically, Rockpoint is providing comments on the following two questions posed for the Large-volume Hydrogen Storage for Targeted Use Cases presentation:

- What are the promising use cases and suitable geological storage opportunities in California?
- Recommendations on research approach(es)?

What are the promising use cases and suitable geological storage opportunities in California?

Existing gas storage facilities in the state are excellent use cases for hydrogen storage – either through hydrogen blending with natural gas or through segregated hydrogen storage at such facilities. Natural gas storage facilities have existing infrastructure to accommodate hydrogen storage and wells can be readily injected with blended hydrogen. Additionally existing wells can be segregated for pure hydrogen storage.

Rockpoint is currently exploring all potential uses of hydrogen in its gas storage facilities and intends on being a key part of the energy transition – particularly as it relates to hydrogen blending and hydrogen storage.

Recommendations on research approach(es)?

Rockpoint encourages the Commission to engage with the private sector which has the existing infrastructure and will to move forward with geologic hydrogen storage. To that end, Rockpoint would be open to conversations with the Commission regarding potential participation in research initiatives and leveraging any shared learning where it exists.

Rockpoint can be reached at the coordinates below.

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