

Renewable energy for a vibrant community in Rio Dell

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U.S. DEPARTMENT OF
ENERGY

Electricity deficiency in Rio Dell

- Lack of electricity has hampered the economic development of Rio Dell
- The Department of Energy is issuing \$1B funding to help address the issue of electricity supply in rural America
- We are proposing a solar + battery project to provide green electricity to Rio Dell
- Can provide enough electricity to power 150-200 new homes in Rio Dell with 100% renewables.
- New businesses can be powered from 100% renewable energy solar/battery.
- Funding source: US Department of Energy
- Due date: July 11, 2023

Location: Rio Dell Business Park

- Two rear parcels, ~6.5 ac and ~3.5 ac (total 11 ac) along rear of business park.
- No street frontage required – acreage available for commercial buildings.
- PG&E feed-in-tariff.
- Electrical connections available for renewables.
- GHD will be the engineering company for this project.



Project: 1MW solar + battery project

- Solar PV energy generation: 1 MW nominal.
- Grid scale battery: 2 MWh to provide peak power and overnight power.
- Total acreage required: 8 acres +/-



Next step

- The funding source we are seeking, the US Department of Energy, wants to fund the development of rural green energy generation and transmission facilities.
- We need the support of the Rio Dell community to bring this project to reality.
- The project is in the pre-proposal stage; we are submitting a short pre-proposal before July 11, 2023.
- We would like the town's support for this project in the form of a letter to be included in the proposal.

Team

- Posh is a California based renewable energy company focused on battery storage and solar project development
- GHD is a global engineering service company with a strong presence in the Humboldt county
- The Department of Energy is providing up to \$5M per project in funding under the Energy Improvement in Rural or Remote Areas Fixed Award Grant Program (DE-FOA-0003045)

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Thank you!

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