American Samoa Power Authority Green & Renewable Energy Projects

Renewable Energy Mandated Goals: *50% by 2025 & 100% by 2040

Why Renewable Energy

- *Lessen our dependency on fossil fuel
- *Help build economy with cheaper kWh rate
- *Climate Change impacting American Samoa

Tutuila Wind Farm – 42 MW Aoloau Power Purchase Agreement (PPA)

- *Wind is continuous & more readily available 24/7
- *Environmental & Archaeological Surveys current being planned
- *Expect up to 50% energy cost reduction

Preliminary landscape simulation

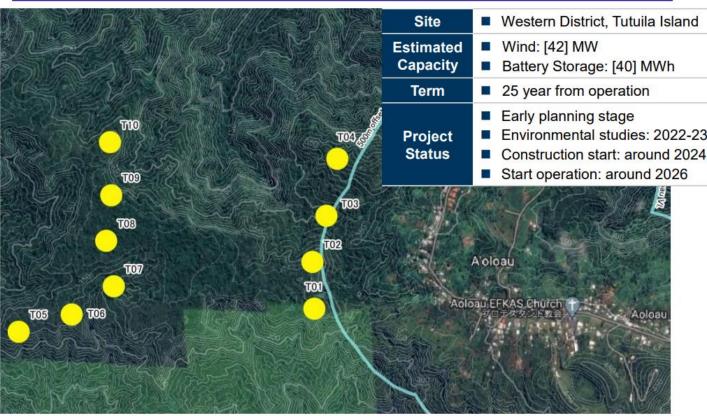




* Landscape simulation is subject to change based on project layout, turbine selection and further studies

Project Information





^{*} Project layout is subject to change based on further studies

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^{**} Project schedule is subject to change in accordance with the actual progress

Solar PV Farm – 20 MW Pavaiai/Malaeimi Power Purchase Agreement (PPA)

- *Sun good source, but limited land & the use of precious farmland.
- *Expected to be in operation by late 2024.





Waste to Energy (WtE) – Gasification Plant ASPA owned & operated

Municipal Solid Waste (MSW) destruction

- Kitchen waste
- Plastics
- Tires & rubber
- Wood & paper
- Green waste
 - *Received USEPA Permit

 *Looking for Grants to fund

 *\$10M Plant and Recycling

 program (USEPA BIL?)



Smaller Projects in outer islands

*Hybrid Solar PV, Battery & Diesel Generation in Manua (Tau Island & Ofu Island) since 2017.

*Hybrid Solar PV, Battery & Diesel Generation in Aunuu to be completed in late 2023.

*Lower operational costs for outer islands *Cleaner air for neighbors around plant *Reduce shipping of diesel fuel

