

# **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

\*\* 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

