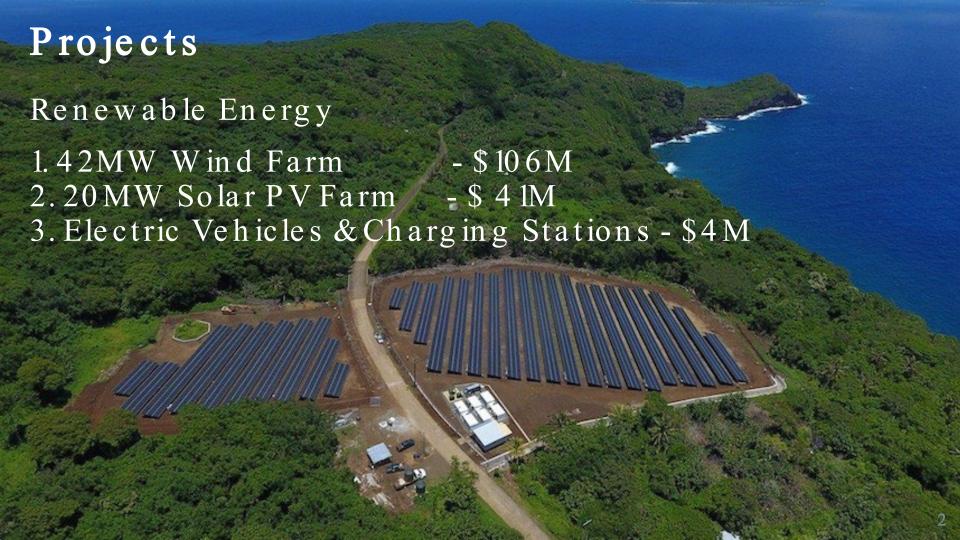
Territorial Climate & Infrastructure Workshop

Energy

Renewable Energy & EV
Charging Stations



RE Project Benefits







83% reduction in CO₂ emissions or 100,000 tons/year



Project access roads open up new opportunities for housing and agriculture



Keeps up \$27M per year in the local economy currently spent on diesel fuel



Meets ASRECs RE goal: 50% by 2025 and 100% by 2050

Electricity Rates

US Average¹ – Dec 2021
 Residential – 13. 75 c/KWh
 All Customer Classes – 11.1 c/KWh

American Samoa – Dec 2021
 Residential – 36.6 c/KWh
 All Customer Classes – 36.0 c/KWh

¹ Source – EIA



Equity Financing will reduce Wind & Solar PV PPA and Electricity Rates

Original PPA Rate - 11.0 c/KWh
 ASPA Base Rate - 9.7 c/KWh
 ASPA Electric Rate - 20.7 c/KWh

PPA Rate with ASPA Equity - 3.1 c/KWh
 ASPA Base Rate - 9.7 c/KWh
 ASPA Electric Rate - 12.8 c/KWh

Project Status

Wind Project

- Grid Study in progress
- Biological & Endangered
 Species Study in progress
- Detail Design in progress
- Road & Transportation
 Study in progress

20MW Solar PV Project

- Land Survey Completed (Site 1 and 2)
- Archaeologic Study Site 2 completed. Site 1 in progress
- Biological Study Site 2 completed, Site 1 in progress
- Engineering & Detail
 Design in progress

Electric Vehicles & Charging Stations

76 sq. miles



Total Land Area 9,000+



Registered vehicles

6 million gallons



Annual fuel consumption



Electric Vehicles & Charging Stations

Challenges

- Lack of EV charging stations
- Lack of funding for in frastructure and O&M capacity development

Electric Vehicles & Charging Stations

- Project Goals
 - O Develop in frastructure for electric vehicles (ASG and residential homes)
 - ASG to pilot EV project
- Project Benefits
 - Reduce petroleum use by land-based vehicles
 - Reduce carbon footprint & dependency on fossil fuel

