



**TOKELAU**

**LEADING THE WORLD IN RENEWABLE ENERGY**

WINNER 2014 EECA AWARDS JOIN US FOR A CLEANER, SUSTAINABLE FUTURE!



WINNER 2014 | EECA AWARDS

## Tokelau solar energy

### ***TOKELAU: Leading the world in renewable energy***

#### **Benefits:**

- Combined solar voltaic and batteries supply all power needed for each village day and night
- Huge savings in fossil fuel costs and transport, allowing greater spending on other government commitments
- Annual output over 1.2 megawatt hours of electricity: more than 93% of solar energy demand
- No noise, no fumes, silent: reliable, sustainable minimum maintenance, no moving parts
- Off-shore real-time monitoring with maintenance instruction via internet
- Planned battery disposal will be off-island for recycling
- Return on investment 7-8 years

**Good for education, health, construction, maintenance: affordable; much improved quality of life**

### ***Encouraging the Pacific towards sustainable, renewable electricity***

#### **Future focus:**

- Raising renewable energy output the last 7-10% to true 100% in all types of weather
- Educating the public and promoting energy saving methods: maintaining demand within available generation capacity
- All consumers paying for their energy use, to provide for sustainability of generation and distribution
- Investigate potential methods of renewable generation to complete the 100% target
- Wind turbines could complement for solar generation
- Campaign for funding to achieve the 100% target

**Solar: ideal for small island states!**