



## 1. Fiji Solar Home System Project

Project  Summary	PEC Fund Grant	USD2,300,000		
	Government inputs	Sustainability of project, operation and maintenance		
	Other Donor inputs	Nil		
	Project Duration	17 months	Start date	23 March 2012
			End date	March 2014
	Implementing Agency	Fiji Department of Energy		
	Project Location	Rural Communities (1,000 homes in about 41 villages)		
Project Background	<p>The project aims to reduce the dependency of Fiji’s rural and isolated communities on imported fossil fuels thereby improving their quality of life through the provision of clean and affordable electricity. This involves the installation of 1000 solar home systems to about 41 villages that will result in the reduction of emissions by approximately 358,000kg of CO2 emissions.</p> <p>The increased electricity access to rural areas is about 8% bringing Fiji’s rural electrification rate to 95% which stands at 87% at present. The project will also result in the reduction of kerosene import by about 144,000 liters which translates to an annual domestic savings of FJ\$216,000/year. The current contribution of the energy sector to GDP is about 3.6%. This is projected to increase as a result of greater access to electricity through this project.</p> <p>The Department of Energy implemented the project with the equipment supplied by Japanese Company – Kyocera Corporation. The installation and ongoing maintenance of the 1,000 solar home systems to be managed by a local Renewable Energy Service Company (RESCO) – Powerlite Generators Ltd both of which have been selected in-line with the Government of Fiji’s procurement processes.</p>			
STATUS	Installation of 1,000 solar home systems was completed in Dec 2014 and residents are now benefiting from the systems. Fiji has commenced project completion activities.			

## 2. Fiji Water Desalination Project

Project Summary	PEC Fund Grant	USD1,700,000		
	Government inputs	USD27,774		
	Other Donor inputs	Nil		
	Project Duration	24 months	Start date	13 July 2012
			End date	January 2015
	Implementing Agency	Water Authority of Fiji		
	Project Location	Kia, Viwa, Vanuavatu, and Kavewa villages		
Project Background	The purpose of the project is to provide a supplementary and sustainable water supply to four selected villages in Fiji. The project is expected to provide sufficient desalinated water to meet the daily water needs of the villages from the four plants after installation when required to be operated.			
	The following are some of the specific needs and purpose of the project – i) Protect the local economy from the effects of an uncertain water supply; ii) Minimize water rate increases by creating a more sustainable and diversified water supply portfolio; iii) Implement a project that promotes and applies a watershed perspective through a regional planning effort and collaborative partnership amongst the entities.			
	As a result of the project, approximately 743 people or 175 households on 4 islands will directly benefit from the project through the installation of 7 desalination plants producing a total of approximately 136,000L/day (136m3/ day of water). Three of the four Islands will see an installation of 2 desalination plants, while one island will receive an installation of one desalination plant. The sustainability of the project is ensured through the commitment by Water Authority of Fiji to monitor the project and carry out the operation and maintenance aspects of the desalination plants beyond the project life. In addition to that, WAF plans to ensure capacity building is provided to the respective communities.			
	The project is implemented by Water Authority of Fiji. Japanese Company, NBK Corporation has been selected through a tender process to supply the desalination plants.			
STATUS	Installation of the desalination plants was completed on the four Islands in 2014 and is currently being used by the various communities. Fiji has commenced project completion activities.			