

UNDP - Government of Tuvalu Annual Work Plan 2021: Facilitation of the Achievement of Sustainable National Energy Targets of Tuvalu (FASNETT) Project

OUTCOMES with annual indicators and targets against planned activities	PLANNED ACTIVITIES <i>List all activities including M&E to be undertaken during the year</i>	TIMEFRAME				IMPLEMENTER (government or NGO partner)	PLANNED BUDGET			
		Q1	Q2	Q3	Q4		Source of Funds	Budget Description	Amount (US\$)	
Outcome 1: Indicators: <ul style="list-style-type: none"> • No. of communities that are capable of organizing, planning, designing, implementing, operating and maintaining RE-based power generation systems. • No. of households, schools, public buildings and commercial establishments that are using low carbon technologies (by RE- and EE-based energy systems). Targets:	1.5.2 Updating of Information on EE & RE technology applications in island communities and results of project activities particularly from the EE/RE technology and commercial application pilots and demonstrations and of information on household survey on usage of EE appliances and devices.	√	√			Energy Department, Ministry of Public Utilities & Infrastructure	UNDP/GEF	71200 International Consultants	15,000	
								71300 Local Consultants	10,000	
									71400 Contractual Services – Individual	8,000
									72100 Contractual Services – Companies	10,000
	1.5.3 Documentation, publication and dissemination of information on; (a) Sustainable EE & RE technology applications in island communities.	√	√					72800 Information Technology Equipment	3,000	
	1.5.4 Conduct of public awareness workshops and radio programs on RE/EE	√	√	√	√			72500 Supplies	3,000	
								71600 Travel	2,000	
								74200 Audio Visual & Print Prod Costs	2,000	
								75700 Training, Workshop and Conferences	15,000	

<ul style="list-style-type: none"> • 5 Baseline: 0 (2017) • 397 Baseline: 396 (2017) 									
Sub-total Outcome 1:									68,000
<p>Outcome 2: Coherent and integrated implementation of enhanced policies, regulations and projects on energy development and utilization with the country's Energy Act in support of national economic development</p> <p>Indicators: No. of planned RE & EE projects benefiting from the policies and regulations supported by the Energy Act</p> <p>Targets:</p>	<p>2.5: Formulation and implementation of applicable policies, standards, institutional mechanisms and incentives in the promotion and application of RE/EE technologies.</p> <p>2.6 Development and operationalization of a monitoring, reporting, evaluation and enhancement system for sustainable, reliable and self-reliant energy supply based on RE and EE applications consistent with Tuvalu 100% RE goal.</p> <p>2.7: Development and approval of follow up and sustainability plan for the monitoring, evaluation and enhancement of low carbon development plans and policies, as well as enhancements of the institutional framework and mechanisms for sustainably enforcing consistent government policies on RE/EE to support national development.</p>	√	√			Energy Department, Ministry of Public Utilities & Infrastructure	UNDP/ GEF	<p>71200 International Consultants 40,000</p> <p>71300 Local Consultants 40,000</p> <p>71400 Contractual Services – Individual 20,000</p> <p>72100 Contractual Companies 35,000</p> <p>71600 Travel 2,500</p> <p>72500 Supplies 30,000</p> <p>72800 IT Equipment 45,000</p> <p>75700 Training, Workshop and Conferences 15,000</p> <p>74500 Miscellaneous Expenses 10,400</p>	

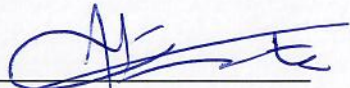
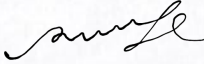
5 Baseline: 0 (2017)									
Sub-total Outcome 2:									237,900
Outcome 3.1 Enhanced energy utilization efficiency and development and application of feasible renewable energy resources in support of national economic development. No. of private companies adopting the new established RE/EE standards in supplying RE/EE system equipment or component parts. % users of RE/EE system equipment and component parts based on the new RE/EE standards that are satisfied with the quality, cost and	3.1.1.1 Comprehensive evaluation of applicable low-carbon development technologies that can be feasibly applied in the small island environment in Tuvalu as experiences in other SIDS	√	√			Energy Department, Ministry of Transport, Energy and Tourism.	UNDP/ GEF	71200 International Consultants	15,000
	3.1.1.2 Conduct feasibility studies and disseminate recommendations on application of proven low-carbon development technologies using RE resources (solar, wind, biomass) energy (EE) techniques and other potential matured RE technologies.	√	√					71300 Local Consultants	7,500
	3.1.2 Preparation of designs and implementation plans for the pilot demonstration and replication of alternative RE energy projects and EE techniques.			√	√			71400 Contractual Services – Individual	25,000
	3.1.4: Documentation and dissemination of results ad impacts of the RE/EE project demonstrations and the recommended action plan in promoting ad replicating RE/EE projects for community-supported LC initiatives in island communities.			√	√			72100 Contractual Services – Companies	20,000
	3.1.5 Development and production of technical information packages ad guidelines as inputs o the implementation of the training workshops on strategic planning and execution of plan in Component 2 for national government authorities and local leaders.			√	√			72800 Information Technology Equipment	5,000
	3.1.6.1 Development of standard designs for replication of RE/EE application in other areas of the country.				√			√	74200 Audio Visual & Print Prod Costs
								75700 Training Workshop and Conferences	22,000

operating performance of these items. Target: 1 Baseline: 0 (2017)	3.1.6.2 Development of technical inputs of the establishment and enforcement of basic design and operating guidance manuals for the RE/EE replication program and policy to be developed in Component 2.			√	√				
Sub- Total Cost Outcome 3.1									102,5000
3.2 Increased application of viable climate resilient renewable energy and energy efficiency technology applications in the country No. of new RE/EE projects implemented (new, or replication, or scale-up of demos). Target: 4 Baseline: 0 (2017)	3.2.1 Implementation of the approved RE/EE demonstration project to promote LC development in the country. 3.2.2.1 Formulation and implementation of a technology development and application program for RE/EE in government, community based and private business project including technical support services, spare part management/supply, and grid connection, if necessary. 3.2.2.2 Development and implementation of a technical assistance scheme for individual RE and EE project through the existing DEMO EE House near TEC headquarters which will serve as a one-stop-shop for the project development, registration, application and processing, barrier removal and implementation of investment proposal for such RE/EE projects and the necessary coordination and compliance with existing TEC rules and regulations in case of RE-based power generation.	√	√	√		Department of Energy Ministry of Transport, Energy and Tourism	UNDP/ GEF	712000 International Consultant 71300 Local Consultant 71600 Travel 71400 Contractual Services – Individual 721000 Contractual Services – Companies 722000 Equipment and Furniture 72300 Materials and Goods 72800 Information Technology 74700 Transport, Shipping and handle	25,000 30,000 7,000 33,000 10,000 1,130,000 245,000 5,000 6,000
Sub- Total Cost Outcome 3.2									1,491,000

<p>Outcome 4.1 a) Improved availability of, and access to, financing for climate resilient renewable energy and energy efficiency. b) GoT, the financial sector and donor agencies providing accessible financing for climate resilient renewable energy and energy efficiency projects.</p> <p>Indicator: No. of improved existing or established new and operational financing schemes for RE/EE projects</p> <p>No. of private sector RE/EE projects financed by banks and or</p>	<p>4.1.3 Conduct of capacity building for the existing banks (including DBT) on financing residential/commercial EE and RE projects.</p>									<p>71200 International Consultants 10,000</p> <p>71300 Local Consultants 2,000</p> <p>74100 Professional Services 3,000</p> <p>74200 Audio Visual & Print Prod Costs 800</p>	
--	--	--	--	--	--	--	--	--	--	--	--

<p>by the private sector.</p> <p>Year 1: 1 (2020)</p> <p>Target: 1 Baseline: 0 (2017)</p> <p>Target: 50</p> <p>Baseline: 15 (2017)</p>															
Sub-Total Outcome 4.1													5,800		
<p>4.2 GoT, financial sector and donor agencies providing accessible financing for climate resilient renewable energy and energy efficiency projects.</p> <p>Target: 200,000</p> <p>Baseline: 30,000 (Baseline 2017)</p>	<p>4.2.1 Establishing and operationalization of a program for providing financial incentives for low carbon (EE and RE) projects.</p> <p>4.2.2 Conduct of technical and management advisory services to the Development Bank of Tuvalu and other financial institutions in the establishment and operationalization of the financing scheme(s).</p> <p>4.2.3 Implementation of EE and RE technologies application project financed either through the established financing scheme; or by private sector investments</p> <p>4.2.4: Comprehensive evaluation of suggested enhanced financing policies for supporting initiatives on low carbon development.</p>	√	√								<p>71600 Travel</p> <p>72100 Contractual Services – Companies</p>		5,000	20,000	
Sub-Total Outcome 4.2													25,000		

Project Management Unit.	Operation of PMU.					Energy Department, Ministry of Public Utilities & Infrastructure	UNDP/ GEF	71300 Local Consultan	4, 492
								71400 Contractual Services – Individual	43.00
								71600 Travel	800
								74598 UNDP Support Services	888
Sub-total Project Management Unit:								6,223	
Total (US\$)								1,925,170	

On behalf of Implementing Partner: Ministry of Transport, Energy and & Tourism (MTET), Funafuti, Tuvalu	On behalf of United Nations Development Programme Pacific Office in Fiji (UNDP PaO), Suva, Fiji
Approved by: Signature:  Date: <u>22.12.20</u> Name: Mr. Avafoa Irata Title: Chief Executive Officer, ^{MTET} MPU	Approved by: Signature:  Date: 22-Dec-2020 Name: Mr. Levan Bouadze Title: Resident Representative, UNDP Pacific Office (PaO) in Fiji