

**Enhancing Disaster and Climate Resilience (EDCR) Project
Monthly Update Dec 2019**

Output Activities	Activity Details	Status as of Dec 2019	Next Action
<p>Output 1.1 Install VHF and HF radio (marine grade where appropriate) in key emergency operation facilities (i.e. MET, line Ministries, Hospitals/Clinics and vulnerable schools), connecting the Northern Meteorological Offices as per PICI Panel Workplan/ Emergency Conversion units between radio frequencies (HF-VHF/UHF cross gate) and enhancing capacities of the Yap State Division for risk communication in climate change</p>	<p>[National Gov] VHF and HF radio for the Central and State Governments will be installed according to the request made by the Department of Environment, Climate Change and Emergency Management. The network includes:</p> <ul style="list-style-type: none"> • HF and VHF radio stations • handheld radios • antenna • repeaters • solar panels and batteries <p>This equipment will be installed along the municipalities of the 4 States and main institutions at national level (DECCEM, Police, Caroline Islands and Patrol boats). The HF radio stations and VHF antennas will be marine grade and will include back up power energy supply through solar panels as well as long life batteries.</p> <p>In addition, the project will enhance the capacities for disaster risk communication related to climate events of the Yap State Division Media Office.</p>	<ul style="list-style-type: none"> • The equipment mastersheet was revised incorporating inputs and feedback from DECCEM and the final version of the equipment mastersheet was confirmed by DECCEM on 17 December 2019. • The technical specifications for solar power as prepared by UNDP telecommunication consultants were confirmed by DECCEM on 13 December 2019. • UNDP contacted Okeanos to schedule an ocular inspection in the first half of December 2019 but was informed that the boats were away from Pohnpei at the time. UNDP telecommunication consultants likewise raised concerns on the safety of Okeanos boats, particularly of personnel that will deliver the radio equipment. 	<ul style="list-style-type: none"> • UNDP to launch bidding process for the radio equipment • UNDP to request DECCEM/TC&I for list of operational HF/VHF frequencies in FSM as preparation for Selcal programming
<p>Output 1.2 Provide training course for young technicians on how to maintain the current communications infrastructure and EOC management.</p>	<p>Radio communication suppliers and telecommunication experts will train young technicians on how to use and maintain the current communications infrastructure and equipment, in order to support the functioning of the emergency operational centres. This includes the training in radio telecom installation, management/maintenance of the equipment and protocols for effective communication. This training is meant for technical officers from State Governments, NOA-NWS, Ministry of Education and Ministry of Health. Training in radio communication management for young technicians. This course will be organized in coordination with the local technical schools aimed to increase the in-country capacities for the installation,</p>	<ul style="list-style-type: none"> • In December 2019, UNDP discussed the need to review and consolidate the two logistical plans which were prepared by UNDP consultant Luis Gamarra and by the EDCR team in FSM. It was clarified that the training for young technicians will be held during the delivery of the radio equipment to Pohnpei. Hence, the details of the training will be defined in the comprehensive logistical plan which will flesh out the overall arrangements for delivery, logistics, travel and training. Several options as to who will conduct the training – i.e. 	<ul style="list-style-type: none"> • Comprehensive logistical plan for radio equipment delivery to be developed and discussed further

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	management and maintenance of telecommunication equipment. The course will meet the international standards for radio system operation, planning and maintenance and the equivalent certificate level of proficiency. This includes the preparation and delivery of training modules that can be replicated by the schools as part of their regular curricula.	UNDP telecommunication consultants, private sector, COM – were presented.	
Output 1.3 Install multi-hazard warning redundancy and climate data conduit through Chatty Beetles in 2 locations with 2 spares.	The NOAA-National Weather Service operates a network of chatty beetles through the main and secondary stations. 3 additional chatty beetles will be used for improving the capacities of local governments and NWSO in the outer islands. The equipment to be provided by this project will be installed in local governments offices but as part of the NWSO network this entity will be in charge of training the operator and of the maintenance.	<ul style="list-style-type: none"> On 17 December 2019, UNDP met with Eden Skilling, OIC of Weather Service Pohnpei and coordinator of FSM Weather Service Offices, to discuss the need for a Letter of Agreement (LOA) between UNDP and the NWSO to facilitate the purchase of the Chatty Beetles. Mr Skilling agreed to the proposal and it was tentatively agreed that the three (3) chatty beetles will be allocated to Pohnpei, Chuuk and Yap. UNDP drafted the LOA and requested the NWSO to provide the exact location of installation as this information will need to be reflected in the LOA. On 19 December 2019, UNDP completed a risk-based capacity assessment of the NWSO, as a requisite to the LOA. It was clarified that a HACT assessment is not necessary. 	<ul style="list-style-type: none"> Schedule meeting with Eden Skilling and Wilfred Nanpei of the NWSO to follow up on the location of the installation and discuss payment terms under the LOA.
Output 2.1 Improve technical and operational capacity of the NEOC, including furniture, equipment and training personnel from all states, to meet functional standards.	[National Gov] The National Emergency Operations Center (NEOC) building in Pohnpei was constructed around year 2013 with funding from the European Union through the South Pacific Community's Building a Safe and Resilient Pacific . It is used for office space for various normative functions of the Department of Environment, Climate Change and Emergency Management. (DECCEM) . During crisis events, the building	<ul style="list-style-type: none"> On 30 December 2019, UNDP drafted the TOR of a consultant to replace Mr Gartner who was unable to complete the detailed design of the NEOC following the design-bid-build approach (A&E design). 	<ul style="list-style-type: none"> Finalize TOR of consultant who will develop the A&E design of the NEOC

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	<p>is used as the National Emergency Operations Center (NEOC).</p> <p>The expansion of the NEOC is confirmed to proceed soon with no complexity. The land is secured and no demolition and other pre-construction processes (land preparation) are required.</p> <p>The project will fund the furniture and equipment of the NEOC since most of the existing ones require replacement and upgrading.</p> <p>In addition to the telecommunication equipment indicated in Output 1, the project will equip the EOC with digital information management capacity (e.g. computers, printer/photocopier, GPS, GIS, InReach Garmin, image processing) and multimedia communication equipment (e.g. projector, large screen).</p>		
<p>Output 2.2. Construct one new Pohnpei State EOC and equip with emergency communication systems to meet functional standards</p>	<p>[Pohnpei State] A new building that will function as a State Emergency Operations Center for Pohnpei State will be constructed under this project. This will be in support of the State's Department of Public Safety though the Division of Fire and Emergency Services responsible for disaster preparedness, recovery, relief, incident management, search and rescue operations, public education and awareness; fire safety and suppression, ambulances services and emergency communications.</p> <p>The Division of Fire and Emergency Services will oversee the demolition and debris removal of the existing single-story building located in the selected site. This will accelerate and reduce the cost of the construction process.</p>	<ul style="list-style-type: none"> On 19 December 2019, FES met with the T&I Administrator and was informed that T&I is unable to develop the detailed design of the PSEOC due to work overload. Given this response from T&I, the detailed design will be part of the scope of work of the company to be contracted by UNDP. The option to have T&I develop the detailed design was only a secondary option being explored; work needed to include the detailed design in the scope of work of the private company had been ongoing even before. On 04 December 2019, FES and PTA submitted the additional documents required by UNDP for the demolition of the building (former Public Auditor's Office) on the PSEOC site. On 18 	<ul style="list-style-type: none"> Finalize TOR of consultant who will develop the A&E design of the PSEOC FES to follow up with T&I on notification requirement of Pohnpei Legislature Renegotiate with PTA regarding building demolition

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	<p>The Pohnpei EOC is managed by the Pohnpei Fire Department, currently having 17 staff with skills on incident management and emergency medical response. The senior leaders are trained in EOC management and use of Incident Command System for on-site crisis. They are also part of a professional organization^[1] where they benefit from regular training courses. The head of the Division obtained professional training from various USA institutions. In case of disasters these capacities are enhanced with the activation of the Disaster Management Team, composed by focal points (2 per each institution) of government agencies, municipal governments and NGOs. In that sense, the Pohnpei EOC will house the Pohnpei Fire Department, which includes fire, medical emergency and search and rescue equipment (inland and marine).</p>	<p>December 2019, UNDP and FES met with the Commissioner and staff of PTA to discuss the terms of the contract for the building demolition. On 19 December 2019, PTA confirmed 6-14 January 2020 as the schedule for the demolition and UNDP proceeded to draft the contract. However, in late December 2019, PTA staff advised UNDP to meet with the PTA Commissioner again to re-confirm the demolition, explaining that PTA was overloaded with work and may not be able to perform the demolition.</p> <ul style="list-style-type: none"> On 30 December 2019, UNDP drafted the TOR of a consultant to replace Mr Gartner who was unable to complete the detailed design of the PSEOC following the design-bid-build approach (A&E design). 	
<p>Output 2.3. Reinstate Fire department capabilities to be able to respond effectively and timely to emergency/disasters (i.e. procurement of one equipped fire truck with associated and accredited training-)</p>	<p>[Kosrae State] is likely to reinstate the Fire Department disbanded 20 years ago. The project will support this initiative with the provision of a specialized fire truck as well as with the required training for providing fire and rescue services.</p> <p>Procurement includes the below (combine 2.3 and 2.4):</p> <ul style="list-style-type: none"> Fire truck Tree clearing (dept of transportation) Rescue equipment Training 	<ul style="list-style-type: none"> On 04 December 2019, UNDP furnished Kosrae DPS, DCO and DECEM with a copy of the signed Transfer of Title of Assets for the rescue equipment. On 11 December 2019, the selected bidder for the fire truck was formally approved by UNDP. As of 19 December 2019, purchased order (PO) was dispatched by UNDP to selected bidder. Estimated lead time for delivery is 12 months (10 months for production + 2 months for shipping). 	<ul style="list-style-type: none"> Monitor delivery of fire truck (Estimated lead time for delivery is 12 months)

[1] <https://www.facebook.com/WPIAFC>

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Output 2.4 Procurement of equipment 2 (chainsaws, woodchippers, shredders and a cherry picker/ hydraulic long reach platform) for debris management	<p>[Kosrae State] In addition to the fire truck, the Kosrae State Division of Public Safety will be provided with tree clearing and rescue equipment. The technical specifications have been prepared and validated with the Kosrae State Government. The request of quotations for rescue equipment has been already advertised (having the 29 August as deadline). It is expected that the equipment will be delivered at the end of the fourth quarter 2019. The request of quotations for tree clearing equipment will be advertised in September 2019 and it is expected that the equipment will be delivered during the first quarter of 2020.</p> <p>The list of tree clearing equipment comprises a wood chipper, such as a caterpillar C4.4, chainsaw and tree Trimming bucket truck. Moreover, the list of rescue equipment includes:</p> <ul style="list-style-type: none"> - Combination Spreader / Cutter - Hydraulic ram - Coupler yellow hose - Coupler red hose - 30' Extension Hose OSC Couplers Red - 30' Extension Hose OSC Couplers Yellow - Power unit 6.5 hp engine high output pump elements, 1.5 gallon reservoir, carrying handle, NFPA compliance, weight (60-70lbs), - Stabilization kit, containing struts 27"-42", 15" extensions, 30" extensions, ratchet straps, end attachments and carrying case 	<ul style="list-style-type: none"> • On 19 December 2019, the selected supplier for tree-clearing equipment (i.e. wood chipper, chainsaws) was formally approved by UNDP. • The selected bidder for the forestry bucket truck was formally approved by UNDP on 11 December 2019. As of 19 December 2019, the purchase order (PO) had already been issued to the selected bidder. 	<ul style="list-style-type: none"> • Issue PO to selected supplier of tree-clearing equipment • Monitor delivery of forestry bucket truck (estimated lead time for delivery is 9 months)
Output 3.1 Improving emergency water 3 management in the State of Chuuk (pre-treatment water tank and two water tankers)	<p>[Chuuk State]</p> <ol style="list-style-type: none"> 1. Deep well civil works 2. Pou WTP civil works 3. Equipment and materials 4. WTP components 5. Data loggers and installation 6. Procurement of water tankers 	<ul style="list-style-type: none"> • On 11 December 2019, the selected bidder for the water tanker was formally approved by UNDP. As of 19 December 2019, purchased order (PO) was dispatched by UNDP to the selected bidder. Estimated lead time for delivery is 12 months (10 months for production + 2 months for shipping). 	<ul style="list-style-type: none"> • Follow up with CPUC to provide the revised Annex A by 10 January 2020 • Proceed to signing of LOA before 31 January 2020

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	7. commissioning, training, and supervision. Shallow well rehabilitation - labo equipment - Chlorine	<ul style="list-style-type: none"> On 24 December 2019, CPUC requested UNDP for additional time to review the annex to the LOA (i.e. Annex A) and it was agreed that CPUC will submit the document to UNDP on 10 January 2020. The draft HACT micro-assessment report was submitted on 04 December 2019. 	
Output 3.2. Enhance disaster response capacities 3 in the State of Yap particularly focused in augmenting the capacity for water management in selected low lying islands.	[YAP STATE] 1. Civil works (e.g. chlorine sheds, warehouse and WTP storage tank construction, well rehabilitation head works, Fedor tank repairs) 2. Procurement of drilling rig 3. Drilling rig operator/trainer 4. Procurement of equipment (casing pipes, HDPE pipe, well pumps, well equipment, chlorine pumps, kitset warehouse, WTP storage tank) 5. Water filtration equipment and controllers	<ul style="list-style-type: none"> On 20 December 2019, UNDP and DECEM Secretary Andrew Yatilman consulted Mr John Guswel, Manager of the Southern Yap Water Authority (SYWA). It was agreed that SYWA will shoulder the costs of labour (workers wages) while the EDCR Project will provide all the materials and equipment, including the drilling rig and its operator, needed in the implementation of civil works. Following the discussion between SYWA and UNDP/DECEM on 20 December 2019, the TOR of the UNDP consultant for Yap (i.e. Water Resources Management Consultant) was revisited in the last week of December 2019 taking into account the agreements during the said discussion. 	<ul style="list-style-type: none"> Finalize TOR of UNDP consultant for Yap Prepare technical specifications and bid documents for equipment and materials, and drilling rig and operator
Output 3.3 Conduct Post Disaster Needs 3 Assessment (PDNA) and Disaster Recovery Framework (DRF) including Introduction to Disaster Management (IDM), Initial Damage Assessments (IDA) and EOC Management Training of	[National Gov]	<ul style="list-style-type: none"> On 3 December 2019, UNDP met with DECEM to discuss in detail the concept of the PDNA training. On 10 December 2019, the training dates for FSM (i.e. 10-14 February 2020) were formally confirmed, and a formal letter was sent 	<ul style="list-style-type: none"> UNDP and DECEM to jointly organize logistical arrangements for PDNA training (e.g. venue, flights, invitations)

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Trainers (ToT) to government identified staff		<p>by UNDP to DECEM on 20 December 2019 regarding the planned training. It was agreed that DECEM will send out the invitation to the training participants.</p> <ul style="list-style-type: none"> • In the same meeting of 3 December 2019, UNDP discussed with DECEM the overall concept of the GESI training. UNDP will provide DECEM with a concept note with further details on the GESI training. • On 19 December 2019, UNDP discussed with Kim Robertson, Gender Advisor at The Pacific Community (SPC) based in Vanuatu regarding the potential content of the GESI training. A second meeting will be set with Tupou Vere, SPC staff based in Pohnpei to further clarify the training content. 	<ul style="list-style-type: none"> • UNDP to schedule a meeting with Tupou Vere of SPC regarding the GESI training