

**Annual Report Submission Form  
Highlights Report**

**Directions:** Save electronic copy in Word Format and send to email address *chiefstaffpni@gmail.com*

<b>A. Office:</b>		Pohnpei Utilities Corporation		
<b>B. Submission Date:</b>		December 23, 2021	<b>C. Reporting Year:</b>	CY 2021
<b>D: Report Submitted by:</b>			Nixon Anson PUC CEO	
<b>E. PSC/SDP:</b>	<b>F. Description:</b>	<b>G. Accomplishments</b>	<b>H. Deficiencies/Challenges</b>	<b>I. Recommendations</b>
1. 4.1.2	<b>New Power Plant and Grid Enhancement</b> – Government of FSM has been provided funding by WB under SEDAP in the amount of 11.8 million to refurbish the diesel power station in Nanpohnmal with 7.5 MW of new diesel plant.	<b>Output:</b> To improve the reliability of power supply in Pohnpei  <b>Work in place.</b> <ul style="list-style-type: none"> <li>• Design and Specification completed by IT Power.</li> <li>• RFP Closed.</li> <li>• Evaluation of proposals near completion. (PUC, Entura and Tectra Tech.)</li> <li>• Expected ETA of Auger Truck in January 2022 as part of the Grid Enhancement.</li> </ul>	Bidders were unable to visit the site to prepare their proposals.  PUC off island Owners and SMO Engineers virtually assisting PUC and FSM DoRD.	PUC Engineering Team, DoRD Project Implementation Unit and WB shall continue to negotiate a contract with successful bidder.  Training of Auger Truck operations will be virtually done in January 2022.
2. 4.2.4	<b>200 kW ORC</b> , Waste Heat to Energy – Pohnpei received funding from USDA Rural Utility Services for the installation of a system to convert waste to energy.	<b>Output:</b> Lowering heat in the generators to increase engine capacity and generate 200 kW from Engine exhaust heat and jacket water using no additional fuel.	Contractors awaiting for entry clearance to enter FSM	PUC working hard to bring in the contractor to complete the installation in months' time.

		<p><b>Work in place.</b></p> <ul style="list-style-type: none"> <li>• Design, manufacturing, and installation contracted to B: Power out of Czech Republic.</li> <li>• 10 40ft containers arrived in Pohnpei.</li> <li>• Site preparation ongoing with ABCOR company.</li> </ul>		
3. 4.2.4	<p><b>Pohnlangas 2MW Solar Plant.</b> PUC signed a power purchase agreement (PPA) with City Pro for an IPP to build a grid connected solar plant and operate and maintain for the 20 years.</p>	<p><b>Output:</b> Reduce CO2 emission, lower cost of electricity and to meet the Renewable target of 18.3 MW of RE by 2037.</p> <ul style="list-style-type: none"> <li>• Construction completed.</li> <li>• Test and commissioning schedule for January 2022.</li> </ul>	<p>Cable design failed during test run.</p>	<p>All cables were replaced with right size cables.</p> <p>Official Commercial Operations Date January 2022.</p>
4. 5.2	<p><b>New Iron Removal Treatment Plant.</b> Pohnpei has been provided with funding from Compact in the amount of 1.8 million to refurbish the MO Iron removal plant with a new treatment system.</p>	<p><b>Output:</b> Improve quality and double the production of clean water supply to Kolonia, Nett, U and Madolenihmw.</p> <p><b>Work in place.</b></p> <ul style="list-style-type: none"> <li>• RFP completed. Contractor, Kadem Krushing 1991 Ltd out of Israel.</li> <li>• 5 ea. 40 ft. containers and 1 ea. 20 ft. container ETA February 2022</li> <li>• Contractors Engineers expected arrival end of February 2022 to commence work in March.</li> </ul>	<p>Manufacturing delays on pre-fab structure due to lock down of factories.</p>	<p>PUC to secure temporary storage site for containers.</p> <p>PUC to provide local manpower support during construction.</p> <p>Contractor to provide training on operations and maintenance of the new plant.</p>
5. 5.2	<p><b>Palikir Well Drilling.</b> PUC received funding from FSM Government for the procurement of a drill rig and well materials in the amount of \$ 653,000.00</p>	<p><b>Output:</b> To drill twodeep water wells to improve reliability and clean water supply to the people of Sokehs and Kitti.</p> <p><b>Work in place.</b></p> <ul style="list-style-type: none"> <li>• Drill sites were identified.</li> <li>• Drill rig and material arrived and will be</li> </ul>	<p>Drill rig damaged during shipment and delayed shipment of parts.</p>	<p>New Rig requires careful preparation to ensure machine is operated accordingly and safe.</p> <p>Drill depth to comply with hydrologist recommendation.</p>

		<p>mobilized in January 2022.</p> <ul style="list-style-type: none"><li>• Virtual training completed</li></ul>		
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