



Federated States of Micronesia INFRASTRUCTURE DEVELOPMENT PLAN FY2016-FY2025

Volume 5:

Pohnpei State Infrastructure Development Plan FY2016-FY2025



This Federated States of Micronesia Infrastructure Development Plan FY2016-FY2025 comprises the following parts:

Introduction

Volume 1 Plan Outline

Annexes

Volume 2 National Infrastructure Development Plan

Volume 3 Chuuk State Infrastructure Development Plan

Volume 4 Kosrae State Infrastructure Development Plan

Volume 5 Pohnpei State Infrastructure Development Plan

Volume 6 Yap State Infrastructure Development Plan

The following Federated States of Micronesia Infrastructure Development Plan FY2016-FY2025 documents are available:

Federated States of Micronesia Infrastructure Development Plan FY2016-FY2025 (all parts)

FSM Infrastructure Development Plan FY2016-FY2025 Outline (Introduction, Volume 1 & Annexes)

National Infrastructure Development Plan FY2016-FY2025 (Volume 2)

Chuuk State Infrastructure Development Plan FY2016-FY2025 (Volume 3)

Kosrae State Infrastructure Development Plan FY2016-FY2025 (Volume 4)

Pohnpei State Infrastructure Development Plan FY2016-FY2025 (Volume 5)

Yap State Infrastructure Development Plan FY2016-FY2025 (Volume 6)

FSM Infrastructure Development Plan FY2016-FY2025 Summary (abbreviated outline and listings of projects)

Volume 5 Pohnpei State Infrastructure Development Plan

Foreword by the Governor

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Part 1 Introduction

This Volume 5 of the IDP is known as the **Pohnpei State Infrastructure Development Plan FY2016 to FY2025** (the Pohnpei IDP).

1.1 Overview

Pohnpei State lies east of Kosrae, midway between Honolulu and Manila. The State consists of the main island of Pohnpei and outer islands of Mwokilloa, Pingelap, Sapwuafi, Nukuoro, and Kapingamarangi, in addition to 25 smaller islands within a barrier reef, and 137 widely-scattered coral atolls. Pohnpei State has a total land area of 133.4 square miles and an EEZ of 151,000 square miles. With a population of 35,981, Pohnpei is the second most populous state in FSM, after Chuuk, constituting 35 percent of the population of FSM (FSM 2010 Census). 96.1 percent of this population is on Pohnpei Island, while 3.9 percent reside on outer islands. Over 56 percent of the total State population is under the age of 25. The main island of Pohnpei is where Palikir, the capital of FSM, and the constitutional seat of the government, is situated. Occupying over 97 percent of the State's land area, Pohnpei Island is the largest, highest, most populous, and developed island in the FSM. Pohnpei Island is mountainous, with lush dense tropical forests, extensive mangrove swamps, abundant marine life, and rich biodiversity. It is also one of the wettest places on earth, recording about 300 inches of rain each year.

The capital of Pohnpei State, Kolonia, is the largest town in the state, and Pohnpei Island's main urban area. Most economic activity is concentrated in Pohnpei Island. The Pohnpei economy is very dependent on external financing, with government activities mostly centered on implementing projects provided under the Compact Agreement. The public sector dominates the economy and employs the majority of the workforce, while the private sector is small, but active, employing people in sectors such as wholesale and retail, construction, fishing, agriculture, hospitality, and small-scale manufacturing. On a household and community level, subsistence farming and fishing are important. Pohnpei recorded real GDP of \$153.7 million in 2012, with a per capita GDP of \$3,036 in 2013, and an unemployment rate of 9 percent in 2010. Similar to other FSM States, Pohnpei is highly dependent on food, fuel and other essential commodity imports arriving by sea. The commercial airport in Pohnpei has limited services for international airfreight, and civil airfields located on Sapwafik Atoll, and Mwoakilloa and Pingelap Atoll, do not support commercial flights. Maritime transport therefore remains the primary means of transport to the main and outer islands of Pohnpei. With Pohnpei State serving as the hub for inter-state and intra-state passenger and cargo services, safe and efficient operation of Pohnpei seaport is therefore essential to facilitating and sustaining external trade and commerce and delivery of essential commodities to these islands.

1.2 State Development Objectives

The **Pohnpei State Strategic Development Plan** (PSDP) is a strategic policy document. It is intended to organize and integrate existing sector plans and programs and the SDP into a strategic plan designed to meet the unique needs of Pohnpeian citizens and residents and to present a unified vision of Pohnpei's future.

Based on clear values, principles, public participation, and cross-sector engagement the State of Pohnpei carried out a state-level cross-sector assessment and strategic goal analysis process. This process was based on the assumption that tourism would serve as the focal point for economic development and centered on the "World Park" concept as both a unique tourism brand and an organizing concept for cross-sector sustainable development. The resulting PSDP not only provides direction for sustainable development decisions, but also provides a platform for ongoing cross-sector engagement and decision-making.

The PSDP includes an extensive array of strategic goals, outcomes (broad goals), associated activities, and accompanying outputs (measurable objectives).

Development of the PSDP was guided by eleven important values and principles developed by Pohnpeians and other Micronesian citizens.

1. The planning process and resulting strategic development plan will be driven by State economic sectors and guided by needs and desires of Pohnpeian citizens and stakeholders.
2. The planning process and resulting plan will be consistent with Pohnpeian values.
3. Decision making will be consistent with Pohnpei-specific customs and traditions.
4. Decision makers from all sectors will be engaged throughout the planning and implementation processes.
5. Pohnpeians must own and be fully invested in the process of developing the Pohnpei State Strategic Development Plan and take ownership of the strategic goals, outcomes, activities and outputs.
6. The strategic development plan will be outcome-, output- and accountability-oriented.
7. The strategic development plan will be designed for both short- and long-term goal achievement.
8. The strategic development plan will create opportunities for continuous evaluation and longitudinal assessment.
9. The process of strategic development planning will focus on developing local capacity.
10. Sustainability, stewardship, quality of Micronesian life, and environmental quality will serve as key philosophical and operating principles to be infused into the strategic plan.
11. Coupled and consistent with established Pohnpeian “best practices,” global best practices drawn from sustainable development efforts will be utilized to direct planning, development, implementation, and decision-making.

1.2.1 Infrastructure in the Strategic Development Plan

Mission Statement for the Infrastructure Sector

To plan, promote, and implement sustainable economic and social infrastructure development programs and projects in support of public good, private sector investment, economic growth, and revenue generation within the State of Pohnpei.

Sector Rationale

High quality and maintained sustainable infrastructure systems will provide structural support for private sector investment and enhancement of Pohnpeian quality of life. Thoughtfully creating an interconnected system of energy resources, solid waste management strategies, wastewater treatment technologies, potable water sources, and ground, marine, and air transportation facilities will provide significant support to environmental improvement and economic growth. Utilizing a multidimensional approach to infrastructure development and management, in combination with sustainability efforts in the other sectors, will create a unique opportunity to develop a sound foundation for long-term economic, environmental, and social stability.

Strategic Goal 1

To develop a comprehensive sustainable funding system to finance public utilities.

Rationale: Identifying reliable funding sources and organizing the financial resources to support development, enhancement, and maintenance of publicly funded resources is essential to the overall economic success of Pohnpei. Fiscal planning decisions that consider the needs of all economic sectors and equitable distribution of costs are key elements of long-term infrastructure viability. A sustainable economy is dependent on its infrastructure, which is dependent on sound financial management.

Strategic Goal 2 (Air Transportation)

To provide safe, well-maintained, and sustainable aviation and air service infrastructure.

Rationale: Reliable air transportation is essential to the viability of all Pohnpeian economic sectors. Air transport serves as the most expedient link to global resources and the global economy by providing essential services to the tourism industry as well as other commercial sector businesses. Investment in and enhancement of reasonably and fairly priced air transportation infrastructure will expand the reach of Pohnpeian exports to new global markets as well as provide within-FSM transport for residents.

Strategic Goal 3 (Maritime Transportation)

To improve port-based revenue in Pohnpei by providing affordable, reliable, and sustainable shipping services.

Rationale: Improvement of land- and water-based maritime facilities will provide the capacity to increase both export and import of bulk goods in support of the Pohnpeian economy. Agricultural and fisheries products may be exported more expediently through more efficient and effective port services. Ability to efficiently service foreign vessels of all types and sizes in need of repair and maintenance or resupply can increase Pohnpei's income from external sources. Services to outer islands will be improved through vessel upgrading and regular scheduling. Travel to and from outer islands as well as import/export of goods will result in positive impacts on those local economies.

Strategic Goal 4 (Electric Power and Other Energy Sources)

To maintain existing and develop new renewable, reliable, affordable, and sustainable facilities for power generation.

Rationale: Reliable electrical power is essential to economic success as well as modern living standards in Pohnpei. Fortunately for the State of Pohnpei, several electrical power-generating technologies have potential for application to meet future electrical power needs. Investigation of these technologies may lead to the use of renewable energy resources, which will reduce negative environmental impacts of petroleum-based fuels as well as support development of businesses that will contribute to economic growth.

Strategic Goal 5 (Water)

To maintain existing and develop new renewable, reliable, affordable, and sustainable facilities for potable water supply.

Rationale: Safe potable water is another fundamental resource that contributes to safeguarding Pohnpeian quality of life and growing its economy. Safe and reliable fresh water supplies support high quality public health, improved environmental quality, and expanded economic development, including growth of a viable tourism industry.

Strategic Goal 6 (Sewer and Wastewater)

To maintain existing and develop new reliable, affordable, and sustainable facilities for sewer and wastewater management.

Rationale: Creative solutions to sewer and wastewater management challenges will significantly contribute to the health and welfare of Pohnpei's land, aquatic and marine resources, and its residents. A healthy environment contributes both to the quality of Pohnpeian life and to economic development. Vibrant, healthy, and safe natural environments attract tourists.

Strategic Goal 7 (Solid Waste)

To provide safe, environmentally sound solid waste management facilities and equipment.

Rationale: As the Pohnpeian economy improves, greater solid waste management challenges will develop. New, appropriate policies, technologies, and strategies will support solutions that can minimize the production of solid waste, process it in ways that do not threaten environmental and human health, and remove much of the existing unsightly waste, thereby improving the aesthetic and environmental quality of Pohnpei.

Strategic Goal 8 (Roads/Pedestrian Facilities)

To improve and maintain motorized, non-motorized, and pedestrian ground transportation infrastructure.

Rationale: Great strides have been made in the early 2000s to improve the ability of Pohnpeians to move around the main island. Ground transportation resources serve as another fundamental resource supporting economic development, health care access (particularly emergency care), educational access, and community involvement. Residents and visitors alike will benefit by having multiple dedicated routes of safe access to Pohnpeian services, businesses, and amenities.

Strategic Goal 9 (Telecommunications)

To continually improve and maintain a telecommunication system that will support reliable, affordable communications.

Rationale: Connectivity is essential for economic development and global interaction, both bringing the world to Pohnpei and Pohnpei to the world. Access to local and global communication networks will enable businesses to explore and service markets in Pohnpei, the other Federated States of Micronesia, and foreign countries. New technologies may provide supplemental or alternative solutions to health care, education, and business development through online support, online intervention strategies, and real-time international communication.

1.3 Climate and the Challenges of Change

The Joint State Action Plan for Pohnpei, dealing with climate change and the development of infrastructure to adapt to climate change, is being finalized in conjunction with the supporting agency SPC. It is likely to follow a similar pattern to that for Kosrae, as the challenges and issues are similar. Current projects included in the IDP will contribute to climate change mitigation and adaptation, in particular by:

- Improved access and reduced fuel use from the upgraded road system
- Increased use of renewable energy
- Improvements to water supply and development of new sources

1.4 Plan Development

The Pohnpei IDP presents the State's priority infrastructure investments for the next 10 years identified by the Pohnpei IPIC and government and community stakeholders. The projects have been prioritized according to three periods, Period 1: FY2016 to FY2019 (during which the Amended Compact arrears are intended to be fully appropriated), Period 2: FY2020 to FY2022, and Period 3: FY2023 to FY2025.

The IPIC-led group assessed the contribution of each priority project to the IDP strategic objectives (Volume 1, section 2.2.2) to provide a Strategic Rating out of 10. Although strategic ratings are not comparable between projects and sectors due to variations in the scope of projects and inherent sector factors (and cannot be used to prioritize projects), the rating process has nonetheless confirmed that the priority projects each make a strong contribution to relevant strategic objectives.

The development process provided valuable input into the management and implementation arrangements (section 2.2) and with the sector managers provided information for the priority projects outlines incorporated into the Pohnpei IDP (Part 4).

Part 2 Plan Outline

2.1 Investment Strategy

2.1.1 Available Funding

Details of the funding available from FSM's development partners and the National Government can be found in Volume 1, Part 3 of the IDP.

Pohnpei receives Amended Compact funds according to the formula set by the FSM Congress (currently 28.13 percent). The underpinning nature of infrastructure warrants a more even distribution of infrastructure funding so funds associated with bilateral donors, multilateral banks and climate change are not allocated on a formula-basis. An amount equal to 25 percent of these funds is included in the Pohnpei IDP, however Pohnpei may receive a greater or lesser amount on a program or project basis.

Pohnpei State's available infrastructure funding is 27 percent of total available IDP funding. Table P 1 shows the allocation over the 10 years of the IDP; \$175.7 million for development and \$25.5 million for maintenance.

Table P 1 – Total Available Pohnpei IDP Funding

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Pohnpei										
Development	22,615,273	22,761,328	21,443,178	21,435,822	15,146,780	15,711,012	15,698,537	15,684,357	12,576,922	12,634,209
Maintenance	2,642,001	2,641,586	3,088,041	3,087,267	2,445,851	2,444,718	2,443,404	2,441,912	2,114,813	2,120,844
TOTAL	25,257,274	25,402,914	24,531,219	24,523,088	17,592,631	18,155,729	18,141,942	18,126,268	14,691,736	14,755,053

2.1.2 Priority Projects

The Pohnpei IDP includes priority projects estimated at \$253.8 million across 9 of the 10 infrastructure sectors. The breakdown of project estimates by sector is shown in Figure P 1 and the listing of priority projects is included in Table P 2.

Figure P 1 – Pohnpei IDP Breakdown by Sector

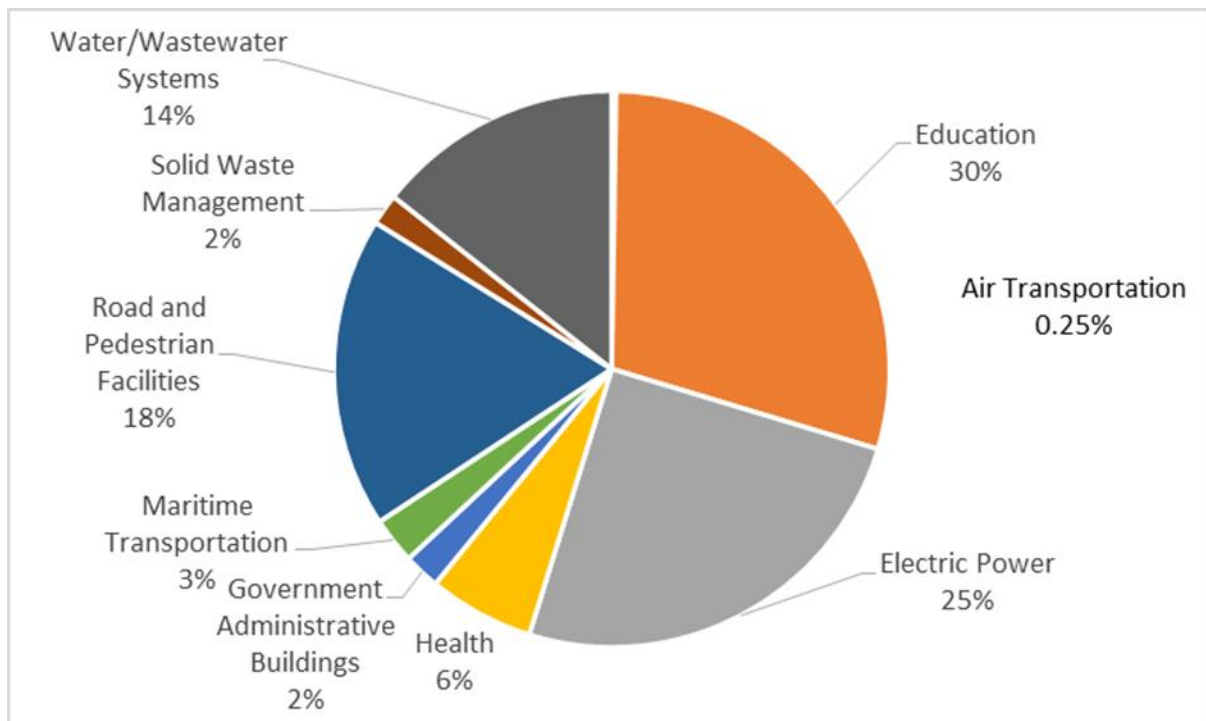


Table P 2 – Pohnpei IDP Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
PM/1	Pohnpei Project Management Office	5,000,000	All	N/A
EP/1	Improve Electric Power Distribution System	5,577,000	1	9.1
EP/2	Renewable Energy Development - Solar Power Phase 1	10,000,000	1	9.3
EP/3	Renewable Energy Development - Solar Power Phase 2	30,000,000	2/3	9.3
EP/4	Renewable Energy Development - Hydro Power Phase 1	16,000,000	2/3	9.6
EP/5	Expand Micro Grids on Outer Islands - Phase 1	500,000	1	6.9
EP/6	Expand Micro Grids on Outer Islands - Phase 2	500,000	2	6.9
WW/1	Extend Water Distribution - COM to Diadi	6,380,000	1	10.0
WW/2	Extend Water Distribution - Diadi to NMS	2,200,000	1	10.0
WW/3	Extend Water Distribution - KinaKapw to Lehn Diadi	8,000,000	1	10.0
WW/4	Develop New Surface Water Supply Sources	1,500,000	1	10.0
WW/5	Develop New Sub-Surface Water Supply Sources	2,000,000	1	10.0
WW/6	Improve Water Supply Distribution - Phase 1	8,643,000	1/2	10.0
WW/7	Connect Sokehs Island to Kolonia Wastewater Plant	3,000,000	1/2	10.0
WW/8	Improve Existing Wastewater System	2,000,000	1	10.0
WW/9	Improve Water Supply in Outer Islands	2,000,000	1/2/3	7.1
SW/1	Improve Management/Operation of Dekehtik Site - Phase 1	2,500,000	1/2	7.6
SW/2	Improve Management/Operation of Dekehtik Site - Phase 2	1,500,000	2/3	7.6
SW/3	Improve Solid Waste Collection and Transport	500,000	1	7.8
RD/1	Rehabilitate/Resurface Primary Road - Phase 1	4,500,000	1/2	9.6
RD/2	Rehabilitate/Resurface Primary Road - Phase 2	4,500,000	2/3	9.6
RD/3	Improve Shoulders and Drainage on Primary Road	1,000,000	1	9.6
RD/4	Upgrade Unsealed Secondary Roads - Phase 1	13,500,000	1/2/3	9.8
RD/5	Rehabilitate/Resurface Secondary Roads - Phase 1	3,240,000	1/2	9.6
RD/6	Rehabilitate/Resurface Secondary Roads - Phase 2	3,240,000	2/3	9.6
RD/7	Improve Primary and Secondary Road Bridges	12,000,000	1/2/3	9.6
RD/8	Provide Pedestrian Safety Facilities	1,000,000	1/2	7.6
RD/9	Provide Road between Dehpehk and Takaieu	2,000,000	1/2	9.3
MT/1	Pohnpei Port - Dredging of Channel & Anchorage	1,200,000	1	8.0
MT/2	Improve Navigational Aids - Pohnpei & Outer Islands	250,000	1	7.8
MT/3	Improve Port Precinct Lighting and Fencing	100,000	1	5.3
MT/4	Provide Floating Dock/Work Platform	150,000	1	3.8
MT/5	Remove Sunken Vessels	5,000,000	1	6.0

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
AT/1	Extend Cargo Storage Facilities	200,000	2	7.6
AT/2	Pingelap Airstrip Improvements	85,000	1	6.9
AT/3	Mokil Airstrip Improvements	65,000	1	6.9
AT/4	Sapwuahfik Airstrip Improvements	289,000	1	6.9
ED/1	Elementary Schools Phase 1a	24,159,000	1/2	8.9
ED/2	Elementary Schools Phase 1b	10,703,000	1/2	8.9
ED/3	Elementary Schools Phase 2	4,205,000	3	8.9
ED/4	High Schools Phase 1	10,059,000	1	8.9
ED/5	High Schools Phase 2	19,800,000	1/2/3	8.9
ED/6	School Sanitary Facilities	900,000	1	9.3
ED/7	Covered Gymnasium Facilities in all Municipalities	3,300,000	1	7.6
HE/1	Pohnpei Primary Healthcare Facility	5,500,000	1	8.7
HE/2	State Diagnostic Center	3,700,000	1/2	9.1
HE/3	State Critical Care Unit	1,500,000	1/2	9.1
HE/4	Improve Electric Power Efficiency and Reliability	1,800,000	1	9.3
HE/5	Renovate State Hospital Air Conditioning System	100,000	1	8.9
HE/6	Improve Ambulance Services	200,000	1	5.6
HE/7	Convert Dispensaries into Health Centers	1,000,000	1/2	8.7
HE/8	Improve Outer Island Dispensaries	1,000,000	1/2	8.7
HE/9	Upgrade State Hospital ICT Infrastructure & Services	500,000	1/2	6.2
GB/1	Facilities for Office of Economic Affairs	540,000	1	5.8
GB/2	Pohnpei Public Market	1,200,000	1	8.2
GB/3	Renovate Municipal Offices	1,100,000	1	6.0
GB/4	Renovate Legislature Complex	2,000,000	1	2.9
GB/5	Renovate PUC Building	400,000	1	5.3
Total Funding Required		253,785,000		
MTCE	Infrastructure Maintenance	25,470,000		

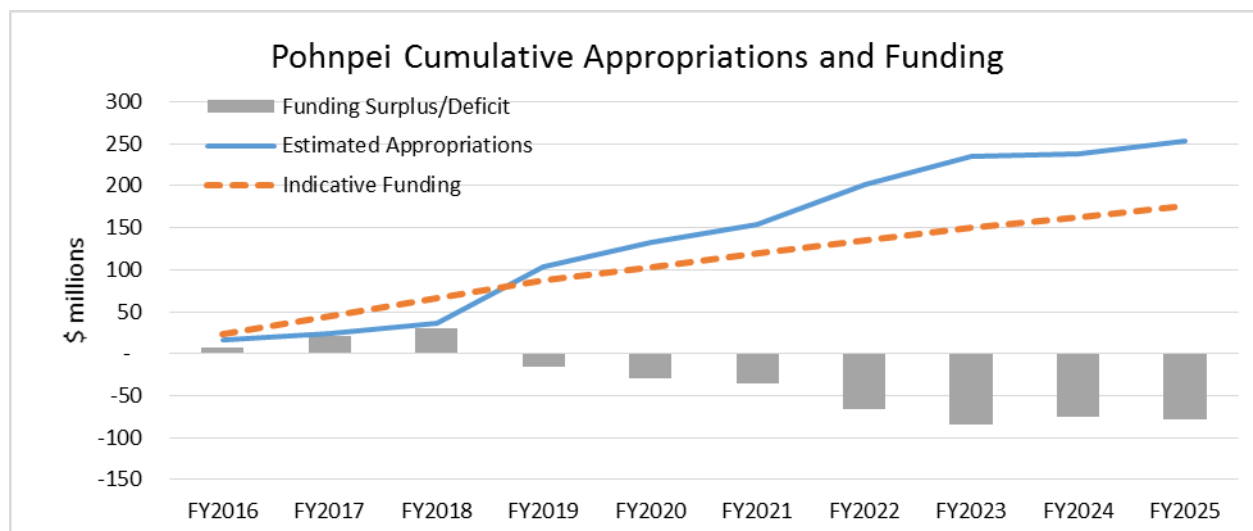
2.1.3 Project Funding Requirements

Based on the project priorities identified during development of the Pohnpei IDP, a funding appropriation profile covering the 10 year period has been estimated. In summary the Pohnpei IDP priority projects exceed available funding by almost 45 percent as shown in Figure P 2,

As a result of the March 2012 JEMCO decision the gap in Amended Compact funding leads to a period of low demand for funds with planning and design the dominant activities. Appropriations for construction will be significant by FY2019. From this point on appropriations will likely exceed funding identified in the

IDP. This implies additional funding needs to be identified and/or priorities reassessed. The planned review of the Pohnpei IDP in FY2019 will provide the opportunity to undertake this reassessment.

Figure P 2 – Pohnpei IDP Available Funding and Estimated Appropriations



2.1.4 Infrastructure Maintenance

Pohnpei has a total of \$25.47 million of maintenance funding available from FY2016 to FY2025. This includes \$4.32 million required to match the available Amended Compact IMF funding.

2.2 Management and Implementation

2.2.1 State Governance

An effective State IPIC will provide the basis for strong governance of infrastructure delivery at the State program and project level once the coordinated control processes have been established.

Most importantly the intended upgraded role of the IPIC and establishment of the implementation framework outlined below will devolve the planning and implementation responsibilities to the States without compromising control, integrity and governance.

2.2.2 Implementation model

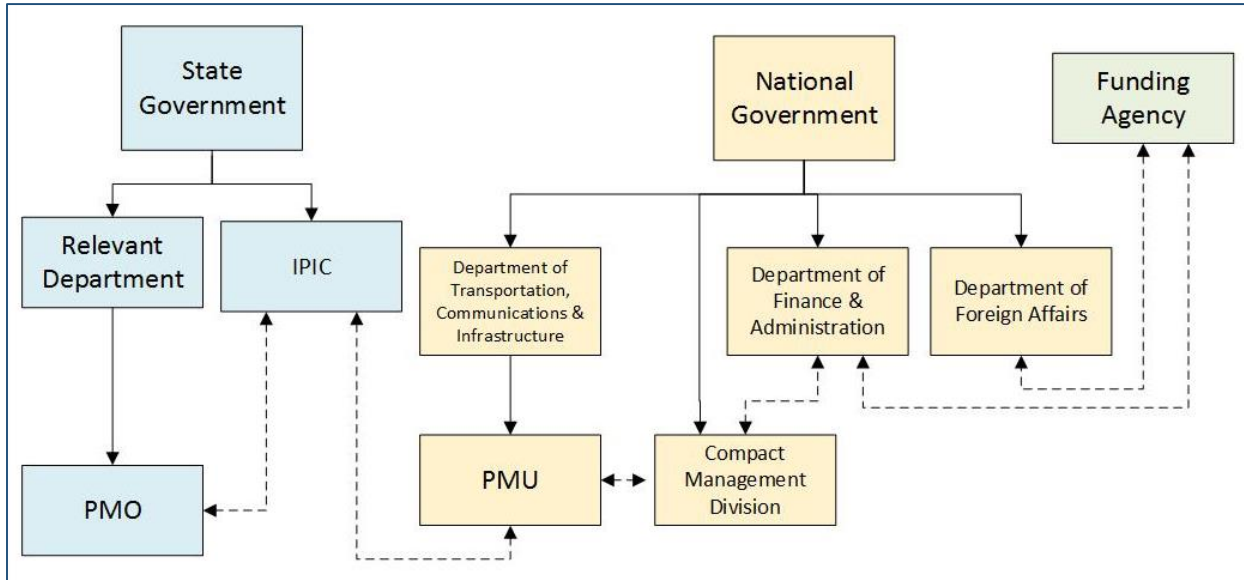
National program management

The implementation model retains the PMU within DTIC but restructures the unit to focus on **Program Management**. The PMU will provide ongoing support to the State to ensure standards are developed and shared, subsequent design and construction contracts are consistent with appropriate risk management and will provide peer review expertise as required.

State delivery accountabilities

The State will be accountable for **Project Management**, from initial planning, through design to construction completion. The State will form a Project Management Office (PMO). The PMO will undertake all the project management activities from initial design through to construction and completion.

The general structure of the implementation model is shown on Figure P 3.

Figure P 3 – Organization Chart of Infrastructure Delivery

The PMO will initially contract with the private sector (external party) to ensure project delivery capability is in place by Q3 2016. The contracted external party will be used across all four States within FSM to provide consistency of project management approaches, processes and methodologies.

State Project Management Offices

The State PMO will have the following resources:

- Project Manager(s)
- Contracting Officer(s)
- Resident Engineers and Inspectors
- Technical Specialists as required

General Considerations

The cost of the PMO is estimated to be between 5 and 7 percent of the State infrastructure development program which is within international benchmarks and internationally recognized as a legitimate program cost.

The IDP includes provision for the required funds for the PMO as part of the Amended Compact component of the State's infrastructure development program (noting that Amended Compact PMO funding is dedicated to the delivery of Amended Compact projects).

The external party providing the PMO services will be excluded from participating in any further contract for the design, construction or supervision on an IDP project for which it has project management responsibilities to ensure probity is maintained.

The external party will be contractually bound to build local project management capacity in the State and will have its capacity building plans and performance regularly reviewed by IPIC.

The roles and responsibilities for each party involved in planning, implementation and management of the IDP's Amended Compact component are documented in Annex A of the IDP.

2.2.3 Process enhancements

All infrastructure projects require defined project management processes from scope definition through funds release, design and construction to successful completion. Best practice processes incorporate key steps, hold points, client reviews and concise and complete documentation to support such processes.

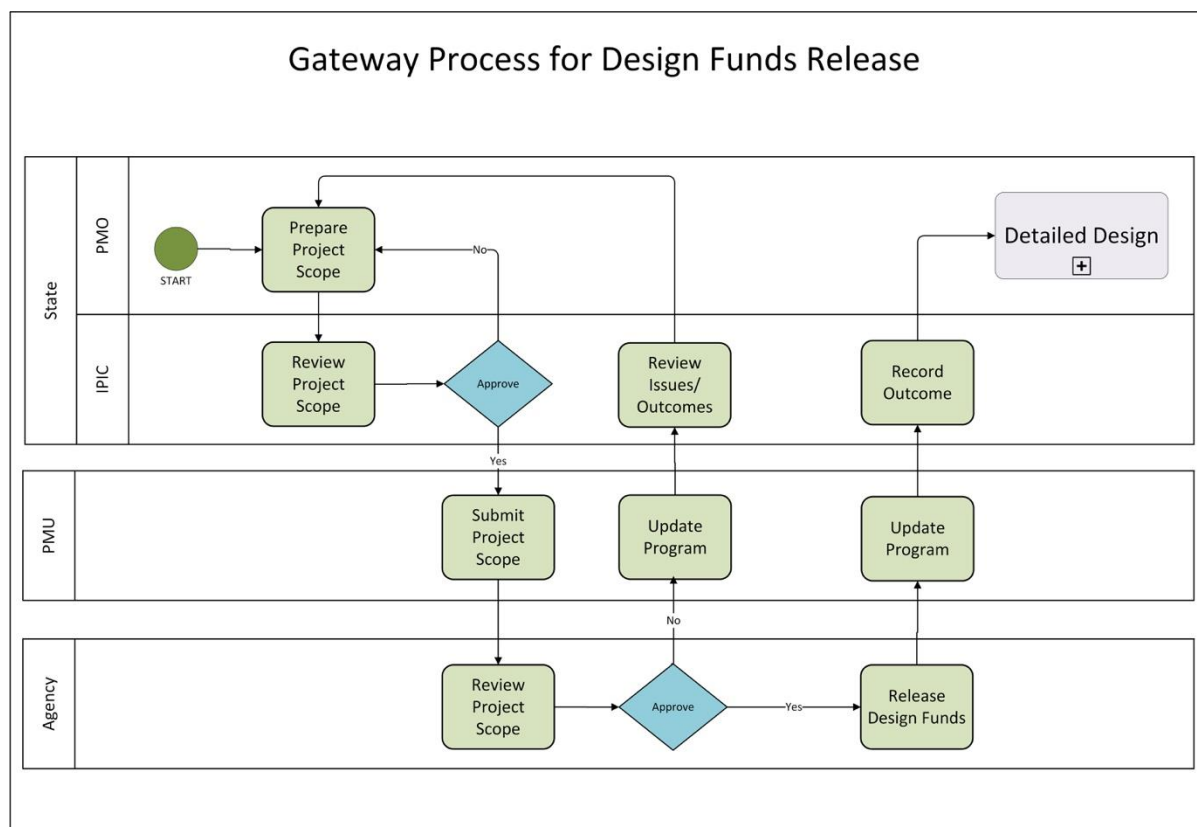
It is also good practice to release funds at two stages: initially to release funds to enable the full project design to be undertaken and then, prior to the construction procurement process commencing, the funding required for construction. This approach facilitates the orderly progress of the project while ensuring that after design there is a review of the project scope, time and cost and any changes are formally signed off before committing funds for construction.

Pre-Design and initial funds release

The PMO will fully document the project scope and formally agree this information with the IPIC.

The project will be submitted for the release of initial (generally design) funds once endorsed by the IPIC. For Amended Compact funded projects this submission is to the PMU and then onward to OIA. Figure P 4 shows the process for this stage as an example of the processes that will be operated by the PMO and other bodies.

Figure P 4 – Example Process Diagram



Once the initial funds have been appropriated, the PMO will conduct (if required) a competitive procurement process in accordance with the prevailing procurement process and regulations to identify and contract the design consultant.

Design and construction funds release

The PMO will formally review each project with the IPIC twice during design. The PMO will also hold regular client meetings with sector representatives.

The IPIC reviews will be held when the design is 30 percent complete and when it is 100 percent complete (but still subject to review). The 30 percent design review will ensure that designs remain on an agreed path before significant design costs are incurred.

Following a design being accepted as complete a second submission will be made to the funding agency for the appropriation of construction funds. For Amended Compact funded projects this submission is to the PMU and then onward to the OIA.

Construction procurement

Once construction funds have been appropriated, the PMO will conduct a competitive procurement process in accordance with the prevailing procurement process and regulations to identify and contract the construction contractor (and any required supervision consultant).

Variations

The PMO will process variations generally as follows:

- variations in scope require IPIC approval to ensure project outcomes remain fully agreed
- variations in scope or cost that require additional funding will be endorsed by IPIC before submission to Government and/or OIA (as required) for approval
- change orders to a contract will be processed in accordance with the PMU's planned contract management manual

Completion

The PMO will prepare a Project Completion Report for endorsement by the IPIC. This report will include analysis of the project on a time, cost and quality basis. PMU will prepare summary KPIs to compare performance for the four State PMOs and identify areas for improvement.

2.3 Institutional Projects

The IDP (Volume 1, section 6.4) contains a number of institutional projects that will have an impact on Pohnpei State infrastructure:

- asset management policy, strategy and capacity in all States
- a FSM Building Code
- maritime and aviation safety and security capacity

Part 3 Infrastructure Development

3.1 Infrastructure Development to Date

The estimated Pohnpei State infrastructure development funding in the period FY2004 to FY2015 is shown in Table P 3 against the funding planned in the IDP 2004 over its whole 20 year period.

Table P 3 – Planned and Estimated Infrastructure Development Funding

Sector	IDP 2004 Total Funds FY2004-FY2025 (\$)	Estimated Development Funding FY2004-FY2015 (\$)¹		
		Amended Compact Grants	Estimated Other Funding	Estimated Total Funding
Electric Power	11,853,000	557,000	8,399,000	8,956,000
Water/Wastewater Systems	34,953,000	6,264,000	8,252,000	14,516,000
Solid Waste Management	10,700,000			
Roads and Pedestrian Facilities	28,836,000			
Maritime Transportation	23,853,000		16,500,000	16,500,000
Air Transportation	18,442,000	1,496,000	116,034,000	117,530,000
Telecommunications				
Education	31,472,000	14,457,000		14,457,000
Health	3,650,000	2,166,000		2,166,000
Government Administrative Buildings	9,400,000	283,000	5,000,000	5,283,000
Total \$:	173,159,000	25,223,000	154,185,000	179,408,000

Notes: 1. Estimated funding does not include maintenance and some project management and design costs

3.2 Sector Outlines and Priority Projects

3.2.1 Electric Power

Electric power is provided by Pohnpei Utility Authority (PUC) with a focus on Pohnpei Island although support is also provided to outer island electric power facilities.

A high percentage of customers have a metered supply and O&M costs are largely covered from tariff revenue. Improvements to and/or rehabilitation of generation and distribution assets and major network extensions, as well as the integration of renewable energy sources into the grid, are dependent on external financing.

Pohnpei has a determined program to increase the proportion of electric power sourced from renewable sources as well as undertaking energy efficiency programs at a number of levels, all of which is contributing to a declining reliance on imported fuel oils for electric power generation. A future generating capacity of 20MW is planned, evenly split between solar and hydro power (current generating capacity is around 10MW). Planning has identified a “solar farm” site in government ownership and sufficient hydropower sources. The first phases of the envisaged renewable energy program are the cornerstone of the electric power projects included in the Pohnpei IDP.

The electric power projects in the Pohnpei IDP are listed in Table P 4 and support the sector Goal to develop electric power infrastructure to ensure that all areas of the country are provided with electric power in an efficient and effective manner in accordance with demand such that:

1. households are provided with power for basic livelihood purposes
2. local manpower can realize production opportunities and potential
3. power is available for basic services such as schools, hospitals, water and wastewater systems
4. national targets for renewable energy are achieved

The priority projects are also aligned with the major 2020 targets in the National Energy Policy for renewable energy sources to be at least 30 percent of total energy production and for a 50 percent increase in electric power efficiency.

Further information on each project can be found in the Project Outlines in Part 4.

Table P 4 – Electric Power Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
EP/1	Improve Electric Power Distribution System	5,577,000	1	9.1
EP/2	Renewable Energy Development - Solar Power Phase 1	10,000,000	1	9.3
EP/3	Renewable Energy Development - Solar Power Phase 2	30,000,000	2/3	9.3
EP/4	Renewable Energy Development - Hydro Power Phase 1	16,000,000	2/3	9.6
EP/5	Expand Micro Grids on Outer Islands - Phase 1	500,000	1	6.9
EP/6	Expand Micro Grids on Outer Islands - Phase 2	500,000	2	6.9
Total Funding Required		62,577,000		

3.2.2 Water/Wastewater Systems

Water and wastewater systems are also the responsibility of the PUC with its mandate to generate sufficient to cover O&M costs. Similar to electric power, commercial operations are centered on Pohnpei Island where there is broad metering of water supply and effective O&M of water and wastewater systems.

The projects included in the Pohnpei IDP are divided between improving the existing systems and extending both water and wastewater systems. Water system extension projects will continue the program to provide a “ring system” around Pohnpei Island and the wastewater system will be extended to Sokehs Island communities. Rehabilitation of the wastewater system in existing areas to reduce the amount of storm water intrusion is key to ensuring the wastewater treatment plant has the capacity for the Sokehs Island and future extension areas.

The water/wastewater projects in the Pohnpei IDP listed in Table P 5 support elements of the sector goal to provide water and wastewater infrastructure that:

1. meets the demand for water supply and wastewater infrastructure in an effective and efficient manner
2. improves existing water abstraction, treatment and distribution systems
3. evaluates and institutes technologically appropriate liquid waste management systems
4. improves and initiates wastewater facilities to increase coverage and contribute towards improvements in public health and environmental conditions
5. contributes towards the prevention of water borne diseases through the provision of potable water supplies

Further information on each project can be found in the Project Outlines in Part 4.

Table P 5 – Water/Wastewater System Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
WW/1	Extend Water Distribution - COM to Diadi	6,380,000	1	10.0
WW/2	Extend Water Distribution - Diadi to NMS	2,200,000	1	10.0
WW/3	Extend Water Distribution - KinaKapw to Lehn Diadi	8,000,000	1	10.0
WW/4	Develop New Surface Water Supply Sources	1,500,000	1	10.0
WW/5	Develop New Sub-Surface Water Supply Sources	2,000,000	1	10.0
WW/6	Improve Water Supply Distribution - Phase 1	8,643,000	1/2	10.0
WW/7	Connect Sokehs Island to Kolonia Wastewater Plant	3,000,000	1/2	10.0
WW/8	Improve Existing Wastewater System	2,000,000	1	10.0
WW/9	Improve Water Supply in Outer Islands	2,000,000	1/2/3	7.1
Total Funding Required		35,723,000		

3.2.3 Solid Waste Management

Solid waste management at the central landfill site is the responsibility of the Environmental Protection Agency. The site is operated by Pohnpei Waste Management Services and employs the Fukuoka Method common across the Pacific as an appropriate and cost-effective method for disposal and processing of solid waste.

The Dekehtik site is adequate for Pohnpei's medium-term needs, subject to improvements being made in areas of; bunding and other protective measures, handling and storage of hazardous wastes, separation and storage of recyclable wastes and rehabilitation of completed cells. The site mostly serves the Kolonia area and although this represents the majority of Pohnpei Island's solid waste, there is a need to improve Kolonia's solid waste collection and establish a collection in the other municipalities.

The solid waste management projects in the Pohnpei IDP are listed in Table P 6 and support the sector goal to provide solid waste management infrastructure that:

1. meets the demand for solid waste infrastructure in an effective and efficient manner
2. evaluates and institutes technologically appropriate solid waste management systems
3. reduces volume of solid waste for disposal by maximizing recycling and separation opportunities thereby minimizing the land area required
4. prevents solid waste having adverse effects on the terrestrial and marine environments

Further information on each project can be found in the Project Outlines in Part 4.

Table P 6 – Solid Waste Management Priority Project

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
SW/1	Improve Management/Operation of Dekehtik Site - Phase 1	2,500,000	1/2	7.6
SW/2	Improve Management/Operation of Dekehtik Site - Phase 2	1,500,000	2/3	7.6
SW/3	Improve Solid Waste Collection and Transport	500,000	1	7.8
Total Funding Required		4,500,000		

3.2.4 Roads and Pedestrian Facilities

Road infrastructure in Pohnpei is the responsibility of the Department of Transportation and Infrastructure and is really only developed on Pohnpei Island where the primary ring road is sealed, as are some of the secondary roads.

The projects included in the Pohnpei IDP target primary road rehabilitation and proactive periodic resurfacing to preserve its condition and to address localized safety and capacity issues including narrow bridges and sidewalks near schools. Secondary road projects include rehabilitation and resurfacing of currently sealed roads and sealing of around half of the currently unsealed roads. A new secondary road will also be constructed between Dehpehk and Takaieu on Pohnpei Island's east coast.

The road and pedestrian facilities projects included in the Pohnpei IDP are listed in Table P 7 and support the sector goal to provide road and pedestrian facilities infrastructure that:

1. enables transportation facilities to be adequate in terms of condition, capacity, reliability and safety to enable market opportunities to be realized for all areas of the country, including labor market opportunities, and to enhance the level of integration of state economies and the national economy
2. meets the demand for road and pedestrian infrastructure in an effective and efficient manner, including concrete/asphalt paving of all primary road systems
3. incorporates pedestrian walkways in the design and construction of roads
4. extends cross-island and inner roads to facilitate agricultural and other development
5. is resilient to the impacts of climate change

Further information on each project can be found in the Project Outlines in Part 4.

Table P 7 – Road and Pedestrian Facilities Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
RD/1	Rehabilitate/Resurface Primary Road - Phase 1	4,500,000	1/2	9.6
RD/2	Rehabilitate/Resurface Primary Road - Phase 2	4,500,000	2/3	9.6
RD/3	Improve Shoulders and Drainage on Primary Road	1,000,000	1	9.6
RD/4	Upgrade Unsealed Secondary Roads - Phase 1	13,500,000	1/2/3	9.8
RD/5	Rehabilitate/Resurface Secondary Roads - Phase 1	3,240,000	1/2	9.6
RD/6	Rehabilitate/Resurface Secondary Roads - Phase 2	3,240,000	2/3	9.6
RD/7	Improve Primary and Secondary Road Bridges	12,000,000	1/2/3	9.6
RD/8	Provide Pedestrian Safety Facilities	1,000,000	1/2	7.6
RD/9	Provide Road between Dehpehk and Takaieu	2,000,000	1/2	9.3
Total Funding Required		44,980,000		

3.2.5 Maritime Transportation

The Pohnpei Port Authority, responsible for operation of Pohnpei Port at Dekehtik and navigational aids throughout the State, will implement a number of projects in support of the current Pohnpei Port Project including harbor clearance and security and safety improvement as well as improvements to navigational aids around Pohnpei and outer islands.

The maritime transportation projects in the Pohnpei IDP are listed in Table P 8 and support elements of the sector goal to provide maritime transportation infrastructure that:

1. enables market opportunities to be realized for all areas of the country, including labor market opportunities, and to enhance the level of integration of state economies and the national economy
2. provides improved dock facilities to meet both fisheries and commercial shipping needs
3. facilitates modern, safe and efficient inter-state and inter-island passenger and cargo vessels
4. coordinates and facilitates the improvement of aids to navigation

Further information on each project can be found in the Project Outlines in Part 4.

Table P 8 – Maritime Transportation Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
MT/1	Pohnpei Port - Dredging of Channel & Anchorage	1,200,000	1	8.0
MT/2	Improve Navigational Aids - Pohnpei & Outer Islands	250,000	1	7.8
MT/3	Improve Port Precinct Lighting and Fencing	100,000	1	5.3
MT/4	Provide Floating Dock/Work Platform	150,000	1	3.8
MT/5	Remove Sunken Vessels	5,000,000	1	6.0
Total Funding Required		6,700,000		

3.2.6 Air Transportation

The Pohnpei Port Authority, responsible for operation of Pohnpei Airport at Dekehtik, will continue to improve facilities and safety and security at the airport.

Improvements to the outer island airstrips are part of the overall program jointly prepared by DTCL the Department of Transportation and Infrastructure.

The air transportation projects in the Pohnpei IDP are listed in Table P 9 and support the sector goal to provide air transportation infrastructure that:

1. provides adequate air transportation facilities and services in terms of condition, frequency, capacity, reliability and safety to enable market opportunities to be realized for all areas of the country
2. enables air carrier airports to improve safety and eliminate payload restrictions
3. improves all domestic airports to the required standards of safety

Further information on each project can be found in the Project Outlines in Part 4.

Table P 9 – Air Transportation Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
AT/1	Extend Cargo Storage Facilities	200,000	2	7.6
AT/2	Pingelap Airstrip Improvements	85,000	1	6.9
AT/3	Mokil Airstrip Improvements	65,000	1	6.9
AT/4	Sapwuahfik Airstrip Improvements	289,000	1	6.9
Total Funding Required		639,000		

3.2.7 Education

The Department of Education is responsible for Pohnpei's public education infrastructure, excluding the College of Micronesia. The priority projects in the Pohnpei IDP have been selected based on the Chuuk State School Facility Repair and Construction Master Plan³⁴. The elementary school projects in the Pohnpei IDP include schools according to whether the schools:

1. are located on public land (phase 1 schools) or private land (phase 2 schools, and
2. in phase 1 include only renovation works (phase 1a schools) or renovation and construction (phase 1b)

Separate projects will redevelop the Pohnpei Island Central School (PICS) and complete the renovation and construction works at Pohnpei's other high schools. Other projects will improve sanitary facilities to ensure ongoing schools accreditation and covered gymnasium facilities will be established in each municipality for both school and community use.

The education projects in the Pohnpei IDP are listed in Table P 10 and support the sector goal to provide education infrastructure that:

1. ensures that the learning experience is enhanced and diversified
2. improves student and faculty interest and morale, and thereby improves the effectiveness of education and significantly increases the student retention rates through graduation from elementary or secondary schools
3. removes constraints on the availability of high school education for all graduates of elementary school, and to provide an array of post-secondary education opportunities for all high school graduates who seek further education
4. continues to assist and strengthen private educational institutions to the nation
5. is supported by facilities improvement programs that address the need for maintenance, renovation and construction of new facilities to support quality student instruction
6. is supported by equipment maintenance guidelines
7. is resilient to potential natural disasters and the impacts of climate change

Further information on each project can be found in the Project Outlines in Part 4.

³⁴ (Aloterre Consulting, 2012p) - Pohnpei State School Facility Repair and Construction Master Plan

Table P 10 – Education Priority Projects

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
ED/1	Elementary Schools Phase 1a	24,159,000	1/2	8.9
ED/2	Elementary Schools Phase 1b	10,703,000	1/2	8.9
ED/3	Elementary Schools Phase 2	4,205,000	3	8.9
ED/4	High Schools Phase 1	10,059,000	1	8.9
ED/5	High Schools Phase 2	19,800,000	1/2/3	8.9
ED/6	School Sanitary Facilities	900,000	1	9.3
ED/7	Covered Gymnasium Facilities in all Municipalities	3,300,000	1	7.6
Total Funding Required		73,126,000		

3.2.8 Health

The Department of Health will continue to improve the healthcare available to Pohnpei's citizens through a number of projects in the Pohnpei IDP. Within the central healthcare precinct the Primary Healthcare Facility will be redeveloped and the State Hospital will be extended to provide diagnostic and critical care services that are currently not available to citizens and visitors. Other projects will improve health services away from Kolonia and in the outer islands and health support services.

The health projects in the Pohnpei IDP are listed in Table P 11 and support elements of the sector goal to provide health infrastructure that:

1. provides modern and efficient hospital facilities to meet the health needs of the nation
2. facilitates an upgraded the curative health system to minimize the needs for referrals to foreign medical facilities
3. provides health care facilities within reasonable access of all citizens
4. has facilities improvement programs that address the need for maintenance, renovation and construction of new facilities
5. has adequate funds for maintenance to prevent rapid deterioration of facilities
6. is resilient to potential natural disasters and the impacts of climate change

Further information on each project can be found in the Project Outlines in Part 4.

Table P 11 – Health Priority Project

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
HE/1	Pohnpei Primary Healthcare Facility	5,500,000	1	8.7
HE/2	State Diagnostic Center	3,700,000	1/2	9.1
HE/3	State Critical Care Unit	1,500,000	1/2	9.1
HE/4	Improve Electric Power Efficiency and Reliability	1,800,000	1	9.3
HE/5	Renovate State Hospital Air Conditioning System	100,000	1	8.9
HE/6	Improve Ambulance Services	200,000	1	5.6
HE/7	Convert Dispensaries into Health Centers	1,000,000	1/2	8.7

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
HE/8	Improve Outer Island Dispensaries	1,000,000	1/2	8.7
HE/9	Upgrade State Hospital ICT Infrastructure & Services	500,000	1/2	6.2
Total Funding Required		15,300,000		

3.2.9 Government Administrative Buildings

The Department of Transportation and Infrastructure will undertake a program to improve Pohnpei's government administrative buildings at state and municipal level.

New buildings for the Office of Economic Affairs and the Kolonia Public Market will support tourism and agricultural development. Improvements will also be made to municipal offices and the State Legislature as well as the PUC building.

The government administrative buildings sector projects in the Pohnpei IDP are listed in Table P 12 and support elements of the sector goal to provide government administrative building infrastructure that:

1. provides modern and efficient facilities required for government personnel to effectively undertake their functions
2. provides an environment that enables equipment used by government personnel to be adequately maintained
3. encourages a high morale and work ethic amongst government employees by providing a suitable work environment
4. provides elected officials with suitable office space and chambers in which to conduct their responsibilities

Further information on each project can be found in the Project Outlines in Part 4.

Table P 12 – Government Administrative Buildings Priority Project

ID	Project Title	Required Funding (\$)	Target Period	Strategic Rating
GB/1	Facilities for Office of Economic Affairs	540,000	1	5.8
GB/2	Pohnpei Public Market	1,200,000	1	8.2
GB/3	Renovate Municipal Offices	1,100,000	1	6.0
GB/4	Renovate Legislature Complex	2,000,000	1	2.9
GB/5	Renovate PUC Building	400,000	1	5.3
Total Funding Required		5,240,000		

3.3 Whole of Life Costs

The costs associated with new infrastructure do not end with purchase or construction. It is one step in the life cycle of an asset that begins with the initial identification of needs through to the disposal of the asset at the end of its useful life. When all these costs are combined, the total may be more than double the cost of the initial purchase/construction price.

The provision of adequate funding for preventative maintenance as part of a whole of life approach to asset management is a key institutional issue for FSM, like other Pacific Island countries.

Estimates of the Pohnpei IDP priority project maintenance costs by sector over a 20 year period are included in Table P 13. Although some assets have a life other than 20 years, this period has been chosen to provide an indication of the maintenance funding required on an annual basis.

The annual percentage maintenance cost and the asset life factors can be found in Table 14 in Volume 1, Part 6, section 6.2 of the IDP.

Table P 13 – Pohnpei IDP 20 Year Maintenance Costs

Sector	20 Year Costs (\$)		B / A	Annual Maintenance Cost (\$)
	Construction (A)	Maintenance (B)		
Electric Power	58,472,000	33,097,000	57%	1,655,000
Water/Wastewater Systems	33,754,000	13,502,000	40%	675,000
Solid Waste Management	4,286,000	2,476,000	58%	124,000
Road and Pedestrian Facilities	42,232,000	28,472,000	67%	1,424,000
Maritime Transportation	1,623,000	1,474,000	91%	74,000
Air Transportation	629,000	1,149,000	183%	57,000
Education	68,787,000	34,393,000	50%	1,720,000
Health	14,954,000	12,603,000	84%	630,000
Government Administrative Buildings	4,915,000	2,949,000	60%	147,000
Total	229,652,000	130,115,000	57%	6,506,000

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4.1 Electric Power Projects

Project P 1 – Improve Electric Power Distribution System (EP/1)

Project Title:	Improve Electric Power Distribution System					Sector:	Electric Power		
Project Description/Scope:	Improve Pohnpei’s electric power distribution reliability, security and efficiency by: <ul style="list-style-type: none">• Providing O&M Vehicles• Primary Pole Replacement• Cross Arm Replacement• Improving CashPower Facility• Improving Metering of 3 Phase Customers								
Agencies Responsible:	Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:	Provide more reliable and secure electric power supply to consumers on a fair and equitable basis								
Project Justification:	Current electric power needs to be more reliable and secure and revenue collection needs to be maximized								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	3	4	5	5	9.1
Project Status:	Concept								
Inclusions:	Additional distribution poles and lines								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	included in construction costs				Estimated Construction Costs \$:	5,577,000			

Project P 2 – Renewable Energy Development - Solar Power Phase 1 (EP/2)

Project Title:		Renewable Energy Development - Solar Power Phase 1					Sector:	Electric Power	
Project Description/Scope:		Increase the contribution of renewable energy to Pohnpei’s electric power needs by developing an initial 2MW of solar photo-voltaic electric power generation and associated storage at the State Solar Power Facility							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Reduce Pohnpei’s reliance on imported fuel for electric power generation and achieve a minimum 30 percent of electric power from renewable sources by 2020							
Project Justification:		Target of at least 30 percent of electric power from renewable sources by 2020							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	5	3	5	5	9.3
Project Status:		Concept: public land has been set aside for at least 10MW of solar electric power generation							
Inclusions:		Solar PV generation with energy storage and connection to the Pohnpei grid							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		1,000,000			Estimated Construction Costs \$:		9,000,000		

Project P 3 – Renewable Energy Development - Solar Power Phase 2 (EP/3)

Project Title:	Renewable Energy Development - Solar Power Phase 2						Sector:	Electric Power	
Project Description/Scope:	Increase the contribution of renewable energy to Pohnpei’s electric power needs by developing an additional 6MW of solar photo-voltaic electric power generation and associated storage at the State Solar Power Facility								
Agencies Responsible:	Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:	Reduce Pohnpei’s reliance on imported fuel for electric power generation and achieve a minimum 30 percent of electric power from renewable sources by 2020								
Project Justification:	Target of at least 30 percent of electric power from renewable sources by 2020								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	5	3	5	5	9.3
Project Status:	Concept: public land has been set aside for at least 10MW of solar electric power generation								
Inclusions:	Solar PV generation with energy storage and connection to the Pohnpei grid								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	1,000,000				Estimated Construction Costs \$:	29,000,000			

Project P 4 – Renewable Energy Development - Hydro Power Phase 1 (EP/4)

Project Title:		Renewable Energy Development - Hydro Power Phase 1					Sector:	Electric Power	
Project Description/Scope:		Increase the contribution of renewable energy to Pohnpei’s electric power needs by developing an further 2MW of hydro-electric power generation							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Reduce Pohnpei’s reliance on imported fuel for electric power generation and achieve a minimum 30 percent of electric power from renewable sources by 2020 and increase diversity in sources							
Project Justification:		Target of at least 30 percent of electric power from renewable sources by 2020							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	5	4	5	5	9.6
Project Status:		Concept: hydro power potential of at least 10MW has been identified							
Inclusions:		Hydro-electric power generation, including water diversion and power house							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		1,600,000			Estimated Construction Costs \$:		14,400,000		

Project P 5 – Outer Island Micro Grid Expansion – Phase 1 (EP/5)

Project Title:		Outer Island Micro Grid Expansion – Phase 1					Sector:	Electric Power		
Project Description/Scope:		Make electric power available to additional communities on outer islands by establishing micro-grids that largely utilize solar PV								
Agencies Responsible:		Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:		To provide electric power to outer island communities								
Project Justification:		Outer island communities do not have access to electric power								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
3	4	4	4	5	5	3	2	1	6.9	
Project Status:		Concept								
Inclusions:		Electric power generation facility and connection to community, business and private premises								
Exclusions:		To be assessed as part of scope definition								
Risks & Dependencies:		To be assessed as part of scope definition Community does not take responsibility for micro grid operation and/or receives no technical support								
Estimated Planning & Design Costs \$:		included in construction costs				Estimated Construction Costs \$:	500,000			

Project P 6 – Outer Island Micro Grid Expansion – Phase 2 (EP/6)

Project Title:	Outer Island Micro Grid Expansion – Phase 2						Sector:	Electric Power		
Project Description/Scope:	Make electric power available to additional communities on outer islands by establishing micro-grids that largely utilize solar PV									
Agencies Responsible:	Pohnpei Utilities Corporation									
Project Objectives/ Outcomes:	To provide electric power to outer island communities									
Project Justification:	Outer island communities do not have access to electric power									
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
3	4	4	4	5	5	3	2	1	6.9	
Project Status:		Concept								
Inclusions:		Electric power generation facility and connection to community, business and private premises								
Exclusions:		To be assessed as part of scope definition								
Risks & Dependencies:		To be assessed as part of scope definition Community does not take responsibility for micro grid operation and/or receives no technical support								
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		500,000			

4.2 Water/Wastewater System Projects

Project P 7 – Extend Water Distribution System - COM to Diadi (WW/1)

Project Title:		Extend Water Distribution System - COM to Diadi					Sector:	Water/Wastewater Systems		
Project Description/Scope:		Extend the western side distribution system from the COM to Diadi towards the midway point at NMS								
Agencies Responsible:		Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:		Provide extended areas of Pohnpei with reliable, safe, secure and financially viable water supply								
Project Justification:		Areas of Pohnpei do not have access to a public water supply								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	5	5	5	5	5	5	10.0	
Project Status:		Designed								
Inclusions:		As per other water distribution extension projects								
Exclusions:		To be managed during implementation								
Risks & Dependencies:		To be managed during implementation								
Estimated Planning & Design Costs \$:		Design funded pre FY2016			Estimated Construction Costs \$:		6,380,000			

Project P 8 – Extend Water Distribution System - Diadi to NMS (WW/2)

Project Title:		Extend Water Distribution System- Diadi to NMS					Sector:	Water/Wastewater Systems		
Project Description/Scope:		Extend the western side distribution system from the end of the current phase to the midway point at NMS								
Agencies Responsible:		Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:		Provide extended areas of Pohnpei with reliable, safe, secure and financially viable water supply								
Project Justification:		Areas of Pohnpei do not have access to a public water supply								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	5	5	5	5	5	5	10.0	
Project Status:		Concept								
Inclusions:		As per other water distribution extension projects								
Exclusions:		To be assessed as part of scope definition								
Risks & Dependencies:		To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:		200,000				Estimated Construction Costs \$:	2,000,000			

Project P 9 – Extend Water Distribution System - KinaKapw to Lehn Diadi (WW/3)

Project Title:		Extend Water Distribution System - KinaKapw to Lehn Diadi					Sector:	Water/Wastewater Systems	
Project Description/Scope:		Extend the eastern side distribution system from KinaKapw to Lehn Diadi towards the midway point at NMS							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Provide extended areas of Pohnpei with reliable, safe, secure and financially viable water supply							
Project Justification:		Areas of Pohnpei do not have access to a public water supply							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Designed							
Inclusions:		As per design							
Exclusions:		To be managed during implementation							
Risks & Dependencies:		To be managed during implementation							
Estimated Planning & Design Costs \$:		Completed			Estimated Construction Costs \$:		8,000,000		

Project P 10 – Develop New Surface Water Supply Sources (WW/4)

Project Title:		Develop New Surface Water Supply Sources					Sector:	Water/Wastewater Systems	
Project Description/Scope:		Develop additional surface water sources to meet the water supply needs in extension areas of Pohnpei							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Provide extended areas of Pohnpei with reliable, safe, secure and financially viable water supply							
Project Justification:		Current water sources do not have the capacity to meet the needs of extension areas							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Concept							
Inclusions:		Stream diversion and water collection, connection into the water supply system							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		150,000			Estimated Construction Costs \$:		1,350,000		

Project P 11 – Develop New Sub-Surface Water Supply Sources (WW/5)

Project Title:		Develop New Sub-Surface Water Supply Sources					Sector:	Water/Wastewater Systems	
Project Description/Scope:		Develop additional sub-surface water sources to meet the water supply needs in extension areas of Pohnpei							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Provide extended areas of Pohnpei with reliable, safe, secure and financially viable water supply							
Project Justification:		Current water sources do not have the capacity to meet the needs of extension areas							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Concept							
Inclusions:		Well establishment and connection to the water supply system							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		200,000			Estimated Construction Costs \$:		1,800,000		

Project P 12 – Improve Water Supply Distribution - Phase 1 (WW/6)

Project Title:		Improve Water Supply Distribution - Phase 1					Sector:	Water/Wastewater Systems	
Project Description/Scope:		Improve the water distribution system, including: <ul style="list-style-type: none">• Various improvements incl. galvanized pipe replacement & well improvements• Various improvements incl. Palikir upgrade to 4”• Nanpil Dam Improvements• Water Treatment Plant Improvements• MO Plant Improvements• All customers have cash powered meters							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/Outcomes:		Provide safe, reliable, financially viable water supply within the Pohnpei water supply system							
Project Justification:		Range of water supply system components identified as requiring improvement on a priority basis							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Scoped							
Inclusions:		As set out in PUC scoping report							
Exclusions:		To be developed in the design stage							
Risks & Dependencies:		To be developed in the design stage							
Estimated Planning & Design Costs \$:		400,000			Estimated Construction Costs \$:		8,243,000		

Project P 13 – Connect Sokehs Island to Kolonia Wastewater Treatment Plant (WW/7)

Project Title:		Connect Sokehs Island to Kolonia Wastewater Treatment Plant					Sector:	Water/Wastewater Systems	
Project Description/Scope:		Provide a sewer around Sokehs Island and connect it to the Kolonia Sewerage Treatment Plant							
Agencies Responsible:		Pohnpei Utilities Corporation							
Project Objectives/ Outcomes:		Provide a safe reliable sewerage collection system for Sokehs Island							
Project Justification:		Existing sewage disposal methods cause environmental and health risks							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Concept							
Inclusions:		Collection sewer on Sokehs Island and connection to the system in Kolonia							
Exclusions:		Building connections into the collection sewer							
Risks & Dependencies:		To be assessed as part of scope definition Residents and others do not connect into the sewer							
Estimated Planning & Design Costs \$:		150,000			Estimated Construction Costs \$:		2,850,000		

Project P 14 – Improve Existing Wastewater System (WW/8)

Project Title:	Improve Existing Wastewater System						Sector:	Water/Wastewater Systems	
Project Description/Scope:	Improve the collection sewers and building connections within the existing wastewater system, particularly in Kolonia Town								
Agencies Responsible:	Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:	Provide a safe, reliable, effective and efficient wastewater system within the currently sewered area of Pohnpei								
Project Justification:	Sections of the collection system are in need of replacement and the condition of building connections allows the infiltration of considerable storm water that affects the operation of the Wastewater Treatment Plant – if storm water infiltration is not reduced the capacity of the treatment plant may not be adequate to take sewerage from extension areas								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	5	5	5	5	10.0
Project Status:		Concept							
Inclusions:		To be assessed as part of scope definition							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		1,900,000		

Project P 15 – Improve Water Supply in Outer Islands (WW/9)

Project Title:		Improve Water Supply in Outer Islands					Sector:	Water/Wastewater Systems		
Project Description/Scope:		Improve the water supply on Outer Islands by: <ul style="list-style-type: none">in areas with reliable rainfall, providing improved rainwater collection and storage systems with basic but effective filtrationin areas without reliable rainfall, providing alternative solutions such as solar powered micro desalination and storage systems								
Agencies Responsible:		Pohnpei Utilities Corporation								
Project Objectives/ Outcomes:		Provide Outer Island communities with reliable water supplies								
Project Justification:		Current water supplies that are dependent on rainwater collection can be unreliable and poor quality Ground water depletion is a growing concern in some communities								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
3	4	4	4	4	5	5	2	1	7.1	
Project Status:		Concept								
Inclusions:		Provide reliable water supplies to Outer Island communities								
Exclusions:		To be assessed as part of scope definition								
Risks & Dependencies:		To be assessed as part of scope definition Operation of the systems, particularly the micro desalination plants and periodic replacement of filters								
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		1,900,000			

4.3 Solid Waste Management Projects

Project P 16 – Improve Management/Operation of Dekehtik Site - Phase 1 (SW/1)

Project Title:		Improve Management/Operation of Dekehtik Site - Phase 1					Sector:	Solid Waste Management	
Project Description/Scope:		In lieu of relocating Pohnpei’s solid waste management site from Dekehtik, improve the management and operation of the site, including: <ul style="list-style-type: none">improving the site berms and other containmentimproving the effectiveness of the Fukuoka method and management of leachatesrehabilitating areas that have been filled to capacityproviding facilities for separating and storing recyclablesproviding facilities for separating and safely storing hazardous waste, particularly used oil							
Agencies Responsible:		EPA (with Pohnpei Waste Management Services)							
Project Objectives/ Outcomes:		Improve the environmental conditions and solid waste management facilities at the Dekehtik site							
Project Justification:		The current solid waste management site is adequate for Pohnpei’s needs in at least the medium term, however the environmental conditions and facilities for separation and storage of recyclables and hazardous wastes need to be improved							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
4	4	5	3	1	5	3	5	4	7.6
Project Status:		Concept							
Inclusions:		Solid waste management center that is compliant with all environmental regulations & standards and minimizes the amount of solid waste going to landfill							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		2,500,000		

Project P 17 – Improve Management/Operation of Dekehtik Site - Phase 2 (SW/2)

Project Title:	Improve Management/Operation of Dekehtik Site - Phase 2					Sector:	Solid Waste Management		
Project Description/Scope:	Continue the proper management and operation of the site as additional disposal areas are required, including: <ul style="list-style-type: none">• extending the site berms and other containment• implementing the Fukuoka method leachate management in additional disposal areas• rehabilitating areas that have been filled to capacity• maintaining facilities for separating and storing recyclables• maintaining facilities for separating and safely storing hazardous waste, particularly used oil								
Agencies Responsible:	EPA (with Pohnpei Waste Management Services)								
Project Objectives/ Outcomes:	Improve the environmental conditions and solid waste management facilities at the Dekehtik site								
Project Justification:	The current solid waste management site is adequate for Pohnpei’s needs in at least the medium term, however the environmental conditions and facilities for separation and storage of recyclables and hazardous wastes need to be maintained as additional disposal areas are developed								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
4	4	5	3	1	5	3	5	4	7.6
Project Status:	Concept								
Inclusions:	Solid waste management center that is compliant with all environmental regulations & standards and minimizes the amount of solid waste going to landfill								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	included in construction costs				Estimated Construction Costs \$:	1,500,000			

Project P 18 – Improve Solid Waste Collection and Transport (SW/3)

Project Title:	Improve Solid Waste Collection and Transport					Sector:	Solid Waste Management		
Project Description/Scope:	Improve the collection and transport of solid waste in current areas and extend to other areas on Pohnpei by: <ul style="list-style-type: none">establishing solid waste transfer facilities that include separation of recyclables and hazardous wastesproviding appropriate vehicles to transport solid wastes to the Dekehtik disposal site								
Agencies Responsible:	EPA (with Pohnpei Waste Management Services)								
Project Objectives/Outcomes:	Improve the proportion of solid waste that is collected and transported to the Dekehtik site Improve the proportion of recyclables that are separated at the point of collection								
Project Justification:	There are currently no purpose-built solid waste collection facilities and some municipalities do not have any effective collection and transport arrangements								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
4	4	5	4	1	5	3	5	4	7.8
Project Status:	Concept								
Inclusions:	Solid waste collection and transport facilities								
Exclusions:	Public education programs								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	included in construction costs				Estimated Construction Costs \$:	500,000			

4.4 Road and Pedestrian Facilities Projects

Project P 19 – Rehabilitate/Resurface Primary Road - Phase 1 (RD/1)

Project Title:		Rehabilitate/Resurface Primary Road - Phase 1					Sector:	Road and Pedestrian Facilities	
Project Description/Scope:		Undertake rehabilitation of 10 percent of the Pohnpei primary road and resurface a further 20 percent							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Maintain the condition of the primary road and reduce future maintenance costs by timely resurfacing the road							
Project Justification:		Sections of the primary road require rehabilitation and others resurfacing to reduce the development of pavement defects							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	4	5	5	4	9.6
Project Status:		Concept							
Inclusions:		Rehabilitation of road pavement and remediation of roadside facilities such as drainage and seawalls Resurfacing of the road, including remediation of pavement defects							
Exclusions:		Realignment or widening of the road							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		4,400,000		

Project P 20 – Rehabilitate/Resurface Primary Road - Phase 2 (RD/2)

Project Title:		Rehabilitate/Resurface Primary Road - Phase 2					Sector:	Road and Pedestrian Facilities		
Project Description/Scope:		Undertake rehabilitation of 10 percent of the Pohnpei primary road and resurface a further 20 percent								
Agencies Responsible:		Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:		Maintain the condition of the primary road and reduce future maintenance costs by timely resurfacing the road								
Project Justification:		Sections of the primary road require rehabilitation and others resurfacing to reduce the development of pavement defects								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	5	5	4	5	5	4	9.6	
Project Status:		Concept								
Inclusions:		Rehabilitation of road pavement and remediation of roadside facilities such as drainage and seawalls Resurfacing of the road, including remediation of pavement defects								
Exclusions:		Realignment or widening of the road								
Risks & Dependencies:		To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		4,400,000			

Project P 21 – Improve Shoulders and Drainage on Primary Road (RD/3)

Project Title:		Improve Shoulders and Drainage on Primary Road				Sector:		Road and Pedestrian Facilities	
Project Description/Scope:		Undertake priority shoulder and drainage improvements on the Pohnpei primary road to mitigate future maintenance works							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Eliminate shoulder and drainage problems to reduce the requirement for or scale of future maintenance							
Project Justification:		There are numerous areas where drainage or shoulder conditions contribute to the premature deterioration of the road pavement and accelerate the needs for expensive maintenance treatments							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	4	5	5	4	9.6
Project Status:		Concept							
Inclusions:		Shoulder and drainage works necessary to reduce the impact on pavement life/condition							
Exclusions:		Works that are not related to pavement condition/life impacts							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		1,000,000		

Project P 22 – Upgrade Unsealed Secondary Roads - Phase 1 (RD/4)

Project Title:		Upgrade Unsealed Secondary Roads - Phase 1					Sector:	Road and Pedestrian Facilities		
Project Description/Scope:		Upgrade around 50 percent (20+ miles) of coral secondary roads to sealed road standard								
Agencies Responsible:		Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:		Provide secondary roads to sealed road standard and reduce the need to dredge for coral								
Project Justification:		Unsealed coral roads are frequently scoured by Pohnpei’s heavy rainfall and replacement material needs to be dredged and placed – much of this could be avoided by sealing the roads								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	5	5	5	5	5	4	9.8	
Project Status:		Concept								
Inclusions:		Formation, pavement and associated drainage works								
Exclusions:		Realignment and utility services								
Risks & Dependencies:		To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:		1,000,000			Estimated Construction Costs \$:		12,500,000			

Project P 23 – Rehabilitate/Resurface Secondary Roads - Phase 1 (RD/5)

Project Title:	Rehabilitate/Resurface Secondary Roads - Phase 1						Sector:	Road and Pedestrian Facilities		
Project Description/Scope:	Undertake rehabilitation of 10 percent of sealed secondary roads and resurface a further 20 percent									
Agencies Responsible:	Department of Transportation & Infrastructure									
Project Objectives/ Outcomes:	Maintain the condition of the secondary roads and reduce future maintenance costs by timely resurfacing the roads									
Project Justification:	Sections of the secondary road require rehabilitation and others resurfacing to reduce the development of pavement defects									
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	5	5	4	5	5	4	9.6	
Project Status:		Concept								
Inclusions:		Rehabilitation of road pavement and remediation of roadside facilities such as drainage and seawalls Resurfacing of the road, including remediation of pavement defects								
Exclusions:		Realignment or widening of the road								
Risks & Dependencies:		To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:		80,000			Estimated Construction Costs \$:		3,160,000			

Project P 24 – Rehabilitate/Resurface Secondary Roads - Phase 2 (RD/6)

Project Title:		Rehabilitate/Resurface Secondary Roads - Phase 2					Sector:	Road and Pedestrian Facilities	
Project Description/Scope:		Undertake rehabilitation of 10 percent of sealed secondary roads and resurface a further 20 percent							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Maintain the condition of the secondary roads and reduce future maintenance costs by timely resurfacing the roads							
Project Justification:		Sections of the secondary road require rehabilitation and others resurfacing to reduce the development of pavement defects							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	4	5	5	4	9.6
Project Status:		Concept							
Inclusions:		Rehabilitation of road pavement and remediation of roadside facilities such as drainage and seawalls Resurfacing of the road, including remediation of pavement defects							
Exclusions:		Realignment or widening of the road							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		80,000			Estimated Construction Costs \$:		3,160,000		

Project P 25 – Improve Primary and Secondary Road Bridges (RD/7)

Project Title:	Improve Primary and Secondary Road Bridges					Sector:	Road and Pedestrian Facilities		
Project Description/Scope:	Replace or reconstruct primary and secondary road bridges that are in poor condition or have inadequate width for vehicle and/or pedestrian traffic, including:								
	Primary Road Bridges				Secondary Road Bridges				
	Dien (L=30')				Paies (L=30')				
	Pehleng 1 (L=30')				Paies (L=50')				
	Pehleng 2 (L=30')				Peilik 1 (L=30')				
	Sapwehrek (L=35')				Peilik 2 (L=30')				
	Pahn Meiti (L=15')				Kepinle (L= 25')				
	Lehnpwus (L=25')				Ohmine (L=25')				
	Deweneu (L=35')				Lehpweltik (L=25')				
	Liwi (L=40')				Senpehn (L=25')				
	Dekehtik (L=30')				Lukop (L=25')				
	Dekehtik (L=30')				Kahmar (L=200')				
	Sekere 1 (L= 30')				Meitik (L=40')				
	Sekere 2 (L= 30')				Pohras (L=35')				
	Sekere 3 (L= 30')				Nandaku (L=35')				
	Awak (L=35')				Sekere Powe 1 (L=15')				
	Saladak 1 (L=25')				Sekere Powe 2 (L=15')				
	Saladak 2 (L=25')				Nanwel en Awak (L=15')				
Agencies Responsible:	Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:	Provide bridges with appropriate width and carrying capacity, including sidewalks for pedestrians								
Project Justification:	Many primary and secondary road bridges are substandard and some present particular risks particularly in the vicinity of schools								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	4	5	5	4	9.6
Project Status:	Concept								
Inclusions:	Generally replacement of current superstructure with one of appropriate width and side protection								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition Condition of substructures and stream channels may require more extensive works than anticipated								
Estimated Planning & Design Costs \$:	1,500,000				Estimated Construction Costs \$:	10,500,000			

Project P 26 – Provide Pedestrian Safety Facilities (RD/8)

Project Title:		Provide Pedestrian Safety Facilities					Sector:	Road and Pedestrian Facilities		
Project Description/Scope:		Provide sidewalks and other facilities to improve the safety of pedestrians in the vicinity of schools and at other high risk locations, including improvements to parking facilities in high activity areas								
Agencies Responsible:		Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:		Provide safe conditions for pedestrians in the vicinity of schools and other high risk areas								
Project Justification:		Pedestrians, including children, often have to walk on the road pavement presenting a significant risk to their safety – this risk is higher where pedestrian numbers are high, such as in the vicinity of schools and in high activity areas such as in town and village centers								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
3	3	3	4	5	5	3	5	3	7.6	
Project Status:		Concept								
Inclusions:		Provision of facilities that improve pedestrian safety in high risk areas including sealed shoulders, sidewalks and improved parking and other facilities								
Exclusions:		Road improvements								
Risks & Dependencies:		To be assessed as part of scope definition Pedestrians do not use improved facilities without education								
Estimated Planning & Design Costs \$:		50,000			Estimated Construction Costs \$:		9500,000			

Project P 27 – Provide Road between Dehpehk and Takaieu (RD/9)

Project Title:		Provide Road between Dehpehk and Takaieu					Sector:	Road and Pedestrian Facilities	
Project Description/Scope:		Provide a sealed road between Dehpehk and Takaieu (approximately 1.5 miles) from the end of the existing island access road							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Provide new/improved road access to the communities between Dehpehk and Takaieu							
Project Justification:		There is no road between Dehpehk and Takaieu							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	5	5	3	5	5	4	9.3
Project Status:		Concept							
Inclusions:		New road between Dehpehk and Takaieu							
Exclusions:		Improvements to the road connecting to the primary road							
Risks & Dependencies:		To be assessed as part of scope definition Availability of land							
Estimated Planning & Design Costs \$:		50,000			Estimated Construction Costs \$:		1,950,000		

4.5 Maritime Transportation Projects

Project P 28 – Pohnpei Port - Dredging of Channel & Anchorage (MT/1)

Project Title:	Pohnpei Port - Dredging of Channel & Anchorage						Sector:	Maritime Transportation	
Project Description/Scope:	Undertake essential dredging and hazard removal within the Pohnpei Port channel and anchorage as identified in the 2010 Pohnpei Port Scoping Study								
Agencies Responsible:	Pohnpei Port Authority								
Project Objectives/Outcomes:	Provide a safe channel and anchorage for vessels using Pohnpei Port								
Project Justification:	As set out in the 2010 Pohnpei Port Scoping Study								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	3	2	1	5	5	5	8.0
Project Status:		Concept							
Inclusions:		Removal and disposal of materials and hazards							
Exclusions:		Removal of abandoned vessels outside of the channel and anchorage area							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		60,000			Estimated Construction Costs \$:		1,140,000		

Project P 29 – Improve Navigational Aids - Pohnpei & Outer Islands (MT/2)

Project Title:		Improve Navigational Aids - Pohnpei & Outer Islands					Sector:	Maritime Transportation	
Project Description/Scope:		Provide necessary navigational aids for the safety of vessels around Pohnpei and the Outer Islands							
Agencies Responsible:		Pohnpei Port Authority							
Project Objectives/ Outcomes:		Provide for the safe passage of vessels in the vicinity of islands in Pohnpei State							
Project Justification:		Many marine hazards and channels/passages do not have adequate navigational aids							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
4	4	4	4	4	4	4	5	2	7.8
Project Status:		Concept							
Inclusions:		Supply and installation of navigational aids for designated hazards, passages and channels							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		250,000		

Project P 30 – Improve Port Precinct Lighting and Fencing (MT/3)

Project Title:		Improve Port Precinct Lighting and Fencing					Sector:	Maritime Transportation	
Project Description/Scope:		Improve lighting and fencing in the Port Precinct (outside of the port improvement project area), including: <ul style="list-style-type: none">• upgrading lighting and changeover to solar or low energy systems• replacing lengths of ineffective security fencing							
Agencies Responsible:		Pohnpei Port Authority							
Project Objectives/ Outcomes:		Provide a Port Precinct that is safe and secure							
Project Justification:		Current fencing is in poor condition and lighting is inadequate and expensive to operate							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
2	3	2	1	1	4	4	5	2	5.3
Project Status:		Concept							
Inclusions:		Replacement fencing and improved/additional lighting systems							
Exclusions:		Additional fencing							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		100,000		

Project P 31 – Provide Floating Dock/Work Platform (MT/4)

Project Title:		Provide Floating Dock/Work Platform					Sector:	Maritime Transportation	
Project Description/Scope:		Provide a floating dock/work platform that allows equipment and materials to be transported to and used at on-water worksites, including the installation and maintenance of navigational aids							
Agencies Responsible:		Pohnpei Port Authority							
Project Objectives/ Outcomes:		Provide the capacity to transport and use appropriate equipment and materials at on-water worksites							
Project Justification:		Currently no capacity to transport and use appropriate equipment and materials at on-water worksites							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
1	2	1	1	1	1	4	4	2	3.8
Project Status:		Concept							
Inclusions:		Floating dock/work platform							
Exclusions:		Additional equipment							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		150,000		

Project P 32 – Remove Sunken Vessels (MT/5)

Project Title:		Remove Sunken Vessels					Sector:	Maritime Transportation	
Project Description/Scope:		Remove abandoned and derelict vessels from with the Pohnpei Port and surrounding areas							
Agencies Responsible:		Pohnpei Port Authority							
Project Objectives/ Outcomes:		Improve the safety and amenity of Pohnpei Port and surrounding areas							
Project Justification:		Many vessels around the Pohnpei Port areas are abandoned/derelict and represent hazards and impact on amenity – attempts to have the owners remove the vessels have been unsuccessful							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	4	3	1	1	5	2	4	4	6.0
Project Status:		Concept							
Inclusions:		To be assessed as part of scope definition							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition Release of contaminants and hazardous materials							
Estimated Planning & Design Costs \$:		50,000			Estimated Construction Costs \$:		4,950,000		

4.6 Air Transportation Projects

Project P 33 – Extend Cargo Storage Facilities (AT/1)

Project Title:		Extend Cargo Storage Facilities					Sector:	Air Transportation	
Project Description/Scope:		Increase the current cargo handling/storage facilities by around 30' x 50'							
Agencies Responsible:		Pohnpei Ports Authority							
Project Objectives/ Outcomes:		Provide additional cargo capacity to meet the needs of customers and carriers							
Project Justification:		Existing cargo facility has limited handling and storage capacity							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	3	3	4	4	2	5	5	5	7.6
Project Status:		Concept							
Inclusions:		Extension of existing cargo facility by around 1500 ft ²							
Exclusions:		Additional cargo handling equipment							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:	200,000			

Project P 34 – Pingelap Airstrip Improvements (AT/2)

Project Title:		Pingelap Airstrip Improvements					Sector:	Air Transportation	
Project Description/Scope:		Portions of runway need to be repaved; seawall needs to be immediately restored							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Improve the airstrip safety							
Project Justification:		Airstrip has identified safety concerns							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	2	3	5	5	2	5	4	2	6.9
Project Status:		Scoped							
Inclusions:		To be developed in the design stage							
Exclusions:		Extension of airstrip to 3,000' (required for prospective aircraft)							
Risks & Dependencies:		To be developed in the design stage							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		85,000		

Project P 35 – Mokil Airstrip Improvements (AT/3)

Project Title:		Mokil Airstrip Improvements					Sector:	Air Transportation		
Project Description/Scope:		Portions of runway need to be resurfaced; seawall needs to be improved								
Agencies Responsible:		Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:		Improve the airstrip safety								
Project Justification:		Airstrip has identified safety concerns								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
3	2	3	5	5	2	5	4	2	6.9	
Project Status:		Scoped								
Inclusions:		To be developed in the design stage								
Exclusions:		Extension of airstrip to 3,000' (required for prospective aircraft)								
Risks & Dependencies:		To be developed in the design stage								
Estimated Planning & Design Costs \$:		included in construction costs				Estimated Construction Costs \$:	65,000			

Project P 36 – Sapwuahfik Airstrip Improvements (AT/4)

Project Title:		Sapwuahfik Airstrip Improvements					Sector:	Air Transportation	
Project Description/Scope:		Runway needs resurfacing due to severe cracks, and riprap to protect its edges from strong current							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Improve the airstrip safety							
Project Justification:		Airstrip has identified safety concerns							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	2	3	5	5	2	5	4	2	6.9
Project Status:		Scoped							
Inclusions:		To be developed in the design stage							
Exclusions:		Reconstruction of the airstrip on or near land and extension of airstrip to 3,000' (required for prospective aircraft)							
Risks & Dependencies:		To be developed in the design stage							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:	289,000			

4.7 Education Projects

Project P 37 – Elementary Schools Phase 1a (ED/1)

Project Title:	Elementary Schools Phase 1a						Sector:	Education	
Project Description/Scope:	Implement the Pohnpei School Master Plan for Phase 1a Elementary Schools (those on public land and only requiring renovation works), including:								
	MP ID	School				MP Priority	Cost Estimate		
	3	Lukop Elementary School				1	2,213,000		
	4	Palikir Elementary School				11	4,157,000		
	7	Enipein Elementary School				3	1,076,000		
	9	Mand Elementary School				8	343,000		
	11	Awak Elementary School				12	2,445,000		
	12	Kapingamarangi Elementary School				14	628,000		
	13	RSP Elementary School				17	335,000		
	16	Sapwuaifik Elementary School				24	652,000		
	17	Pakein Elementary School				25	227,000		
	18	Pingelap Elementary School				27	227,000		
	19	Sekere Elementary School				30	1,443,000		
	20	Temwen Elementary School				31	250,000		
	22	Sapwalap Elementary School				10	164,000		
	23	ESDM Elementary School				15	252,000		
	24	Nett Elementary School				16	2,327,000		
	25	Ohmine Elementary School				18	3,307,000		
	26	Saladak Elementary School				21	1,250,000		
	27	Kolonia Elementary School				4	2,863,000		
Agencies Responsible:	Department of Education								
Project Objectives/Outcomes:	Provide improved teaching and learning facilities and environment that facilitates improved education outcomes								
Project Justification:	As detailed in Pohnpei Schools Master Plan								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	3	5	5	3	8.9
Project Status:	Scoped: Master Plan & Detailed Engineering Assessments								
Inclusions:	Fencing and other school facilities								
Exclusions:	To be developed in the design stage								
Risks & Dependencies:	To be developed in the design stage								
Estimated Planning & Design Costs \$:	2,400,000				Estimated Construction Costs \$:	21,759,000			

Project P 38 – Elementary Schools Phase 1b (ED/2)

Project Title:	Elementary Schools Phase 1b						Sector:	Education		
Project Description/Scope:	Implement the Pohnpei School Master Plan for Phase 1b Elementary Schools (those on public land and requiring both renovation and construction works), including:									
	MP ID	School				MP Priority	Cost Estimate	Comments		
	2	Wone Elementary School				13	2,530,000	New 8 classroom block		
	5	Sokehs Powe Elementary School				19	2,936,000	New 8 classroom block		
	6	Salapwuk Elementary School				2	532,000	New 4 classroom block		
	8	Nanpei Memorial Elementary School				6	663,000	New ECE facility		
	10	Wapar Elementary School				9	256,000	New ECE facility		
	14	Parem Elementary School				19	813,000	New ECE facility		
	15	Rohi Elementary School				20	1,955,000	New 8 classroom block		
	21	Mwoakilhoa Elementary School				7	1,018,000	New office & library required		
Agencies Responsible:	Department of Education									
Project Objectives/Outcomes:	Provide improved teaching and learning facilities and environment that facilitates improved education outcomes									
Project Justification:	As detailed in Pohnpei Schools Master Plan									
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	4	5	3	5	5	3	8.9	
Project Status:	Scoped: Master Plan & Detailed Engineering Assessments									
Inclusions:	Fencing and other school facilities									
Exclusions:	To be developed in the design stage									
Risks & Dependencies:	To be developed in the design stage									
Estimated Planning & Design Costs \$:	746,000				Estimated Construction Costs \$:	9,957,000				

Project P 39 – Elementary Schools Phase 2 (ED/3)

Project Title:		Elementary Schools Phase 2					Sector:	Education		
Project Description/Scope:		Implement the Pohnpei School Master Plan for Phase 2 Elementary Schools (those on private or disputed), including:								
		MP ID	School			MP Priority	Cost Estimate	Comments		
		28	Pehleng Elementary School			5	3,101,000	New 8 classroom block		
		29	Seinwar Elementary School			23	795,000	Includes new toilet facilities		
		30	Nukuoro Elementary School			26	309,000			
Agencies Responsible:		Department of Education								
Project Objectives/ Outcomes:		Provide improved teaching and learning facilities and environment that facilitates improved education outcomes								
Project Justification:		As detailed in Pohnpei Schools Master Plan								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	4	5	3	5	5	3	8.9	
Project Status:		Scoped: Master Plan & Detailed Engineering Assessments								
Inclusions:		Fencing and other school facilities								
Exclusions:		To be developed in the design stage								
Risks & Dependencies:		To be developed in the design stage								
Estimated Planning & Design Costs \$:		250,000				Estimated Construction Costs \$:	3,955,000			

Project P 40 – High Schools Phase 1 (ED/4)

Project Title:	High Schools Phase 1						Sector:	Education		
Project Description/Scope:	Implement the Pohnpei School Master Plan for Phase 1 High Schools including:									
	School					Cost Estimate				
	Madolenihmw High/Elementary School					4,148,000				
	PICS High School - Phase 1					2,500,000				
	Nanpei Memorial High School					1,347,000				
	Pohnlanges Elementary/High School					1,064,000				
Agencies Responsible:	Department of Education									
Project Objectives/ Outcomes:	Provide improved teaching and learning facilities and environment that facilitates improved education outcomes									
Project Justification:	As detailed in Pohnpei Schools Master Plan									
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
5	5	5	4	5	3	5	5	3	8.9	
Project Status:	Scoped: Master Plan & Detailed Engineering Assessments									
Inclusions:	All works required by transfer of High & Elementary School facilities at Madolenihmw/Pohnlanges, Fencing and other school facilities									
Exclusions:	Existing Design Grants									
Risks & Dependencies:	To be developed in the design stage									
Estimated Planning & Design Costs \$:	1,000,000				Estimated Construction Costs \$:	9,059,000				

Project P 41 – High Schools Phase 2 (ED/5)

Project Title:		High Schools Phase 2				Sector:	Education		
Project Description/Scope:		Plan and implement the redevelopment of Pohnpei Island Central School (PICS)							
Agencies Responsible:		Department of Education							
Project Objectives/ Outcomes:		Provide improved teaching and learning facilities and environment that facilitates improved education outcomes							
Project Justification:		As proposed in Pohnpei Schools Master Plan							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	3	5	5	3	8.9
Project Status:		Scoped							
Inclusions:		Master plan, design and construction of a redeveloped PICS							
Exclusions:		Currently planned classroom block							
Risks & Dependencies:		To be developed in the design stage							
Estimated Planning & Design Costs \$:		3,000,000			Estimated Construction Costs \$:		16,800,000		

Project P 42 – School Sanitary Facilities (ED/6)

Project Title:		School Sanitary Facilities					Sector:	Education	
Project Description/Scope:		Provide toilet and drinking water facilities at 9 schools that are currently without such facilities							
Agencies Responsible:		Department of Education							
Project Objectives/ Outcomes:		Provide safe, sanitary toilet and drinking water facilities for students and teachers							
Project Justification:		No suitable toilet and drinking water facilities at these schools							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	5	5	5	5	3	9.3
Project Status:		Concept							
Inclusions:		Connection to available sewer or provision of septic tank with leaching field Connection to available water supply or provision of rainwater collection, storage & filtering system							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		900,000		

Project P 43 – Covered Gymnasium Facilities in all Municipalities (ED/7)

Project Title:		Covered Gymnasium Facilities in all Municipalities					Sector:	Education	
Project Description/Scope:		Provide a covered gymnasium facility at a designated school in each municipality to provide an events, activity and sports facility for the community in general and youths in particular							
Agencies Responsible:		Department of Education							
Project Objectives/ Outcomes:		Provide a central facility for the community and particularly youths to participate in activities and sports							
Project Justification:		Municipalities are lacking having multi-purpose a facility for community events and activities and for youths in engage in sporting activities							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	3	4	4	4	3	5	5	3	7.6
Project Status:		Concept							
Inclusions:		Paved area with covering that is suitable for school and community events, activities and sports							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition Facilities are not utilized or not appropriately used by the community							
Estimated Planning & Design Costs \$:		300,000			Estimated Construction Costs \$:		3,000,000		

4.8 Health Projects

Project P 44 – Pohnpei Primary Healthcare Facility (HE/1)

Project Title:		Pohnpei Primary Healthcare Facility					Sector:	Health	
Project Description/Scope:		Provide the Pohnpei Primary Healthcare facility as currently designed							
Agencies Responsible:		Department of Health Services / PMU							
Project Objectives/ Outcomes:		Provide improved primary healthcare facilities and services, including dental							
Project Justification:		Current primary healthcare facilities no longer meet the needs of DoHS or the community							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	3	5	5	4	5	5	3	8.7
Project Status:		Designed: Design practically complete							
Inclusions:		Furniture, fittings & equipment							
Exclusions:		To be managed during implementation							
Risks & Dependencies:		To be managed during implementation							
Estimated Planning & Design Costs \$:		Design funded pre FY2016			Estimated Construction Costs \$:		5,500,000		

Project P 45 – State Diagnostic Center (HE/2)

Project Title:		State Diagnostic Center					Sector:	Health	
Project Description/Scope:		Construct and equip a diagnostic center (approx. 40’ x 50’) that provides Pohnpei citizens and visitors with modern diagnostic facilities							
Agencies Responsible:		Department of Health Services							
Project Objectives/ Outcomes:		Provide Pohnpei citizens and visitors with modern diagnostic facilities							
Project Justification:		Modern diagnostic facilities are not available to the majority (~80 percent) of Pohnpei citizens							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	3	5	5	4	5	5	5	9.1
Project Status:		Concept							
Inclusions:		Building annex adjacent to emergency and theater, diagnostic equipment including CT scanner and ultrasound, necessary radiation protection							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		200,000			Estimated Construction Costs \$:		3,500,000		

Project P 46 – State Critical Care Unit (HE/3)

Project Title:		State Critical Care Unit					Sector:	Health	
Project Description/Scope:		Construct and equip a critical unit “ICU” with 2 beds and staff station) that provides Pohnpei citizens and visitors with a modern critical care facility							
Agencies Responsible:		Department of Health Services							
Project Objectives/ Outcomes:		Provide Pohnpei citizens and visitors with modern critical care facilities							
Project Justification:		Critical care unit not currently available at the State Hospital							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	3	5	5	4	5	5	5	9.1
Project Status:		Concept							
Inclusions:		Building annex adjacent to emergency and theater, critical care facilities and equipment							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		75,000			Estimated Construction Costs \$:		1,425,000		

Project P 47 – Improve Electric Power Efficiency and Reliability (HE/4)

Project Title:		Improve Electric Power Efficiency and Reliability					Sector:	Health	
Project Description/Scope:		Improve the State hospital’s electric power efficiency and reliability by: <ul style="list-style-type: none">on-site installation of solar PV generation, reducing costs and reliance on external power particularly during emergencieschanging over existing lighting and electrical equipment for energy efficient alternatives							
Agencies Responsible:		Department of Health Services							
Project Objectives/ Outcomes:		Increase the proportion of funds available for health services and rely less on external electric power particularly in emergency events							
Project Justification:		Electric power is a significant drain on the overall health services budget and the hospital is largely reliant on external power that is vulnerable to disruption							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	3	5	5	5	5	5	5	9.3
Project Status:		Concept							
Inclusions:		Solar PV sufficient for the daily needs of the hospital and changeover of inefficient lighting and electrical equipment							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		90,000			Estimated Construction Costs \$:		1,710,000		

Project P 48 – Renovate State Hospital Air Conditioning System (HE/5)

Project Title:		Renovate State Hospital Air Conditioning System					Sector:	Health	
Project Description/Scope:		Replace the existing Freon-based air conditioning system and renovate ducting and outlets to improve cooling efficiency and air quality							
Agencies Responsible:		Department of Health Services							
Project Objectives/ Outcomes:		Provide efficient and clean air conditioning to areas that require it and comply with current regulations for such systems							
Project Justification:		Current air conditioning system is Freon-based and efficiency and air quality needs to be improved							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	3	5	5	3	5	5	5	8.9
Project Status:		Concept							
Inclusions:		Replacement of chiller units and renovation of ducting and outlets							
Exclusions:		Extension of the system to additional areas not requiring air conditioning							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		100,000		

Project P 49 – Improve Ambulance Services (HE/6)

Project Title:	Improve Ambulance Services					Sector:	Health		
Project Description/Scope:	Provide two new fully equipped ambulances for the proper care of patients requiring treatment at the State Hospital								
Agencies Responsible:	Department of health Services								
Project Objectives/ Outcomes:	Provide appropriate care for patients requiring transfer to the State Hospital for treatment								
Project Justification:	The only equipped ambulance is expensive to operate, unreliable and not able to be properly maintained locally								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
1	1	1	5	3	2	5	5	2	5.6
Project Status:		Concept							
Inclusions:		Fully equipped ambulances with a supply of replacement equipment and consumables							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:		200,000		

Project P 50 – Convert Dispensaries into Health Centers (HE/7)

Project Title:	Convert Dispensaries into Health Centers						Sector:	Health	
Project Description/Scope:	Convert two dispensaries to Health Center standard (overnight accommodation, laboratory facilities) by: <ul style="list-style-type: none">improving the facilities at one dispensary to Health Center standardrenovating one dispensary and equipping it as a Health Center								
Agencies Responsible:	Department of Health Services								
Project Objectives/ Outcomes:	Provide a higher standard of heath care at locations other than the State Hospital								
Project Justification:	Larger populations remote from the State Hospital require higher standards of health care within their local area								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	4	5	5	3	5	5	3	8.7
Project Status:		Concept							
Inclusions:		Bringing two dispensaries up to Health Center standard, including building works and furniture, fittings and equipment							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		900,000		

Project P 51 – Improve Outer Island Dispensaries (HE/8)

Project Title:	Improve Outer Island Dispensaries						Sector:	Health	
Project Description/Scope:	Renovate and renew the facilities at 5 Outer Island dispensaries								
Agencies Responsible:	Department of Health Services								
Project Objectives/ Outcomes:	Provide a basic level of health care in Outer Island communities								
Project Justification:	Outer Island facilities are not currently meeting the needs of their communities due to their condition and/or available facilities								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	4	4	5	5	3	5	5	3	8.7
Project Status:		Concept							
Inclusions:		Improvement of the buildings and facilities at Outer Island dispensaries							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		900,000		

Project P 52 – Upgrade State Hospital ICT Infrastructure & Services (HE/9)

Project Title:	Upgrade State Hospital ICT Infrastructure & Services						Sector:	Health	
Project Description/Scope:	Upgrade the State Hospital’s ICT infrastructure and services, including: <ul style="list-style-type: none">• providing centralized and redundant storage for all health information, including patient records, digital imaging, pharmacy records, staff records, purchasing records• centralizing health system servers and communications infrastructure• connection of existing systems into the new infrastructure• renewing the local ICT network to meet future needs for ICT throughout the hospital, including communications and security systems								
Agencies Responsible:	Department of Health Services								
Project Objectives/Outcomes:	Provide the core ICT infrastructure and services to facilitate increased use of ICT in delivering health services								
Project Justification:	Current health IT systems are not integrated and health records are at risk of being lost								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
1	3	1	5	5	2	3	5	3	6.2
Project Status:	Concept								
Inclusions:	Central storage and server facilities and renewing the local ICT network								
Exclusions:	Additional health services ICT equipment, modifications to systems to operate in the new centralized environment								
Risks & Dependencies:	To be assessed as part of scope definition Ongoing support for the ICT environment								
Estimated Planning & Design Costs \$:	included in construction costs				Estimated Construction Costs \$:	500,000			

4.9 Government Administrative Buildings

Project P 53 – Facilities for Office of Economic Affairs (GB/1)

Project Title:		Facilities for Office of Economic Affairs					Sector:	Government Administrative Buildings	
Project Description/Scope:		Develop facilities associated with the functions of the Office of Economic Affairs, namely Tourism , Agriculture and the Island Food Community							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Provide a facility for the efficient conduct of Office and Economic Affairs functions							
Project Justification:		OEA does not currently have facilities that allow it to properly undertake its functions							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
4	4	3	1	1	1	4	5	3	5.8
Project Status:		Concept							
Inclusions:		To be assessed as part of scope definition							
Exclusions:		To be assessed as part of scope definition							
Risks & Dependencies:		To be assessed as part of scope definition							
Estimated Planning & Design Costs \$:		50,000			Estimated Construction Costs \$:		490,000		

Project P 54 – Pohnpei Public Market (GB/2)

Project Title:		Pohnpei Public Market				Sector:		Government Administrative Buildings	
Project Description/Scope:		Develop a public market facility in Kolonia Town for the sale of produce and handicrafts							
Agencies Responsible:		Department of Transportation & Infrastructure							
Project Objectives/ Outcomes:		Provide a facility for: Farmers and handicraft artisans to sell their produce/products Residents to obtain fresh produce Visitors to purchase local handicrafts and produce							
Project Justification:		Current market facilities are not adequate for the sale of fresh produce and handicrafts							
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
5	5	5	4	4	3	3	4	4	8.2
Project Status:		Scoped – existing architect’s report							
Inclusions:		To be developed in the design stage							
Exclusions:		To be developed in the design stage							
Risks & Dependencies:		To be developed in the design stage							
Estimated Planning & Design Costs \$:		100,000			Estimated Construction Costs \$:		1,100,000		

Project P 55 – Renovate Municipal Offices (GB/3)

Project Title:	Renovate Municipal Offices						Sector:	Government Administrative Buildings	
Project Description/Scope:	Renovate Municipal Office as recommended by engineering assessments								
Agencies Responsible:	Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:	Provide improved facilities for the delivery of municipal functions and services								
Project Justification:	Current Municipal Offices are not adequate for delivery of functions and services								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
3	4	3	1	1	1	4	5	5	6.0
Project Status:	Concept								
Inclusions:	To be assessed as part of scope definition								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	100,000				Estimated Construction Costs \$:	1,000,000			

Project P 56 – Renovate Legislature Complex (GB/4)

Project Title:	Renovate Legislature Complex						Sector:	Government Administrative Buildings	
Project Description/Scope:	Renovate Legislature Complex as recommended by engineering assessments								
Agencies Responsible:	Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:	Provide improved facilities for the functioning of the Pohnpei Legislature								
Project Justification:	Conditions in the Legislature Complex impact on the efficient functioning of the Legislature								
Strategic Alignment									
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)
2	1	1	1	1	1	1	3	2	2.9
Project Status:	Concept								
Inclusions:	To be assessed as part of scope definition								
Exclusions:	To be assessed as part of scope definition								
Risks & Dependencies:	To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:	100,000				Estimated Construction Costs \$:	1,900,000			

Project P 57 – Renovate PUC Building (GB/5)

Project Title:		Renovate PUC Building					Sector:	Government Administrative Buildings		
Project Description/Scope:		Renovate PUC building in line with PUC’s revised use of the building								
Agencies Responsible:		Department of Transportation & Infrastructure								
Project Objectives/ Outcomes:		Provide improved facilities for the functioning and operations of PUC								
Project Justification:		Condition of the current building impact on the efficient functioning and operations of PUC								
Strategic Alignment										
Support investment and economic growth	Improve private sector capacity and/or increase employment	Improve living conditions and/or income generation	Improve access to/delivery of public health services	Improve access to/delivery of education	Improve environmental outcomes/ conditions	Improve natural disaster and climate change resilience	Improve capacity of government infrastructure agencies	Improve financial sustainability of infrastructure	Strategic Rating (out of 10)	
2	2	2	1	1	1	5	5	5	5.3	
Project Status:		Concept								
Inclusions:		To be assessed as part of scope definition								
Exclusions:		To be assessed as part of scope definition								
Risks & Dependencies:		To be assessed as part of scope definition								
Estimated Planning & Design Costs \$:		included in construction costs			Estimated Construction Costs \$:	400,000				