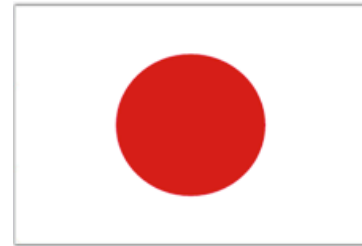
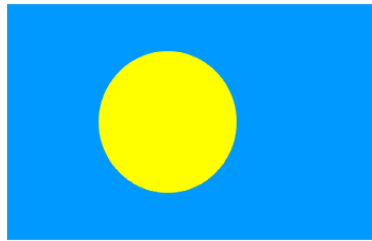


# Current status of the implementation of the JCM in Palau



Presented by: Xavier E. Matsutaro, Associate Climate Change  
Coordinator, The Office of Environmental Response and Coordination



Source: World Atlas, 2014

# Presentation Outline

- Palau National Energy Policy
- Where JCM is Vital
- Projects Under Feasibility Stage
- Project Under Implementation and Nearing Completion
- Next Steps
- Conclusion

# PALAU NATIONAL ENERGY POLICY



- IMPROVED INSTITUTIONAL ARRANGEMENTS FOR ENERGY SECTOR MANAGEMENT
- ✓ ENERGY EFFICIENCY AND ENERGY CONSERVATION
- ✓ RENEWABLE ENERGY
- IMPORTED FUELS AND HYDROCARBONS
- ELECTRIC POWER



Government of the Republic of Palau  
August 2010



## ENERGY EFFICIENCY AND ENERGY CONSERVATION

- 30 % reduction in overall national energy consumption by 2020

## RENEWABLE ENERGY

- 20% of electrical energy generation by the end of 2020

## THE AIM:

To reduce dependency on imported fuels and to reduce the country's vulnerability towards price shocks, and to substitute all fossil fuel use in the long term, reducing Palau's carbon footprint to a minimum.

## Where JCM is Vital

It supports Palau's national goal towards low carbon development with:

- The provision of low carbon technology
- The provision of renewable energy technology

January 13, 2014: bilateral agreement for the JCM signed



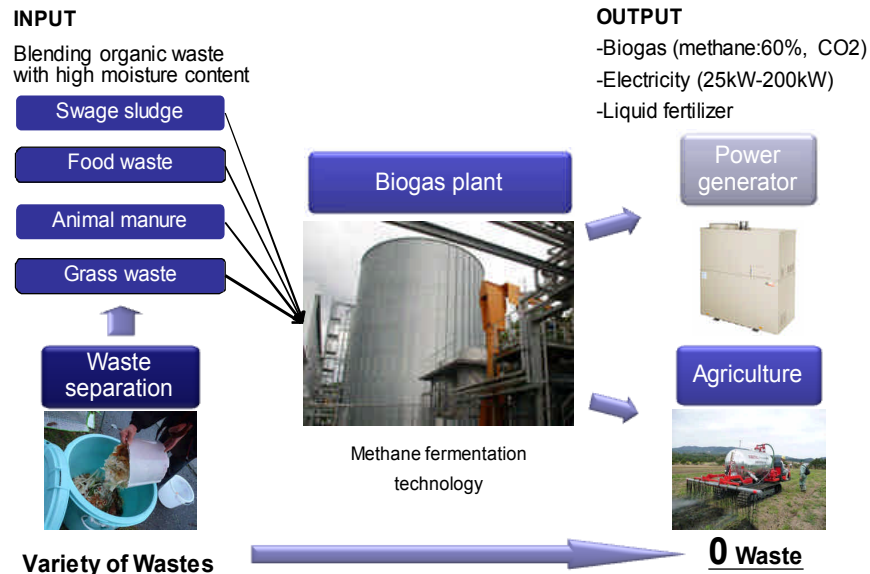
Source: Joint Credit Mechanism (JCM). Government of Japan, 2014

# Projects Under Feasibility Stage

AMITA Institute for Sustainable Economies (AISE), Palau Wastewater Treatment Plant, & M-Dock Landfill

## Waste to Energy

### Biogas related technologies



### Preparatory investigations (2013): Outline

- Purpose and content of execution
  - ✓ Collection and adjustment of basic data for Autonomous decentralized circulation system construction
  - ✓ Clarifying of business needs
  - ✓ Planning business hypothesis that follows JCM scheme
- Investigation procedure
  - ✓ Interview and field surveys such as government, state agency, public sectors, and related entrepreneurs
  - ✓ Investigation of referring case and Literature survey





# Projects Under Feasibility Stage Continued...

Inter Action Corporation & Palau International Coral Reef Center (PICRC)



Inter Action Corporation:  
Provision and construction of solar power  
system

PICRC:  
Installation, operation, and monitoring

# Projects Under Feasibility Stage Continued...

## Pacific Consultants Co., Ltd.

Low-Carbon/Resilient Model for Palau

Main objective:

- Develop a climate-resilient disaster preparedness facility(ies) model for JCM project.
- Integration of mitigation (e.g. renewable energy) and adaptation (e.g. disaster preparedness)
- Currently undertaking site exploration for qualified facility(ies)

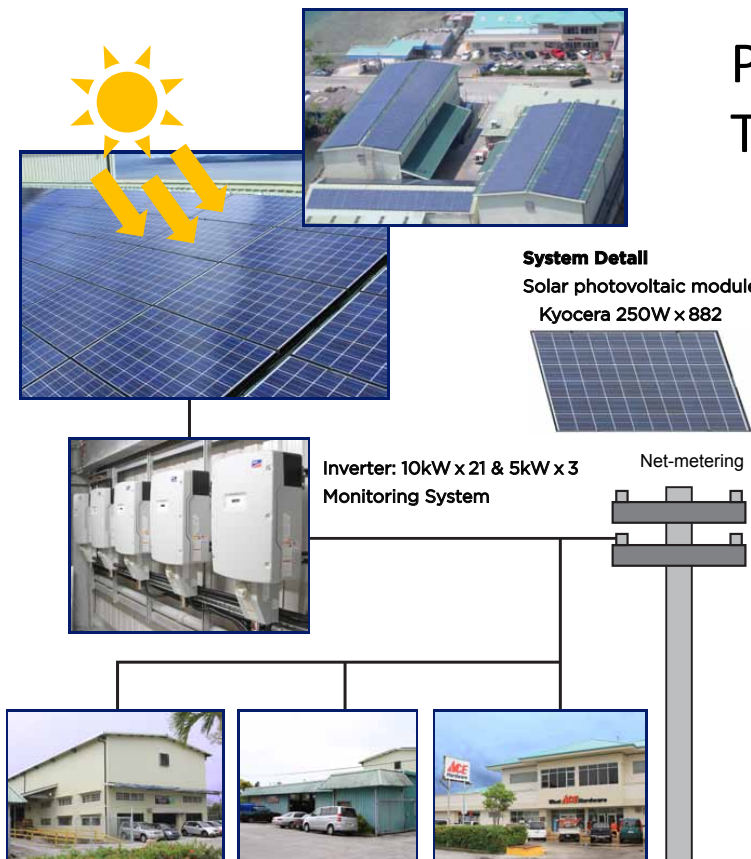
JCM Project Formation and MRV Capacity Development Project Members

Main objective:

- To find and form projects to be implemented under the JCM
- Identification of GHG emission reduction projects and prepare proposals for the “Financing Program for JCM Model Projects.”
- Development of MRV methodologies for prospective projects
- Enhancement of the capacity on MRV required for implementing JCM projects

# “JCM Model Project”: Under Implementation and Nearing Completion

Pacific Consultants Co., LTD., West Caroline Trading Company (WCTC), & Surangel and Sons Co.



Project installation completed in October, 2014

- 220.5kw solar power installed
- The system is connected to the grid utilizing the net-metering scheme
  - When there is excess power, it will be fed into the grid
  - When there is power deficit, it will be supplemented by the power from the grid

Source: Pacific Consultants Co. Ltd, 2014



Surangel and Sons Co.

150kW solar power installation  
being undertaken and is  
scheduled to be completed at  
the end of this month

Same system as WCTC





# Next Steps

- AISE – Will meet late January for final feasibility result report
- Inter Action Corporation – Feasibility study with PICRC is undergoing
- Pacific Consultants Co., Ltd. – Current project under completion + other projects under consideration
- Japan/Palau JCM Committee Meeting
  - End of January, 2015
  - Review of methodology

# Conclusion

JCM:

- Co-benefits for both Japan and Palau
  - Palau is realizing projects on the ground that makes economic, social and environmental sense
  - Japan is applying innovative ways to enhance mitigation ambition

Ideas currently being explored:

- Looking at ways for the broader public to benefit directly from this agreement
- Climate Change Adaptation Fund

**Sulang (thank you) for your kind  
attention**