

# Philippine Government Policies *for* OTEC Development

By:

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# Initiatives on Ocean Energy Development

- Resource Assessment

- Mindanao State University conducted resource assessment in 1980's to map the ocean energy potentials of the country
- In the early 1990's, Fugro OCEANOR of Norway and the Philippine DOE conducted a wave energy study in the Philippines.
- In 1997 and in 2009, the Department of Science and Technology (DOST) together with the National Power Corporation (NPC) and University of San Carlos, respectively assessed the marine current potential sites.



# Challenges and Barriers

- High upfront and technology costs
- Non-competitiveness
- Non-viable markets
- Inaccessible Financial Packages
- Social Acceptability

*To address these barriers, the Government promulgated landmark Laws to accelerate development of renewable energy resources.*

# Enactment of R. A. No. 9513: The Renewable Energy Act of 2008



Accelerate the development of the country's renewable energy resources by providing fiscal and non-fiscal incentives to private sector investors and equipment manufacturers / suppliers.

# Policy Mechanisms

- Lowering of investment costs
  - Fiscal Incentives
- Enhanced Competitiveness
  - Mandatory Utilization of RE Resources
    - ✓ Renewable Portfolio Standard (RPS)
    - ✓ Feed-In Tariff (FIT)
  - Provision of Interconnection / Ancillary Services
  - Other Market Options
    - ✓ Net Metering Concept
    - ✓ Green Energy Option

# Renewable Energy Outlook, 2011 – 2030

under the

## “National Renewable Energy Program”

### Consolidated Milestones



### Implementation of Sectoral Sub-Programs and the Policy and Program Support Component

**Mandatory E10 to all Gasoline by 2012**

**Mandatory B5 to all Diesel by 2015**

**B10 and E20 by 2020**

**B20 and E85 by 2025**

7,638.2 MW by 2015

12,775.9 MW by 2020

15,204.7 MW by 2025

15,319 MW by 2030

Existing RE capacity, 2010: 5,369 MW

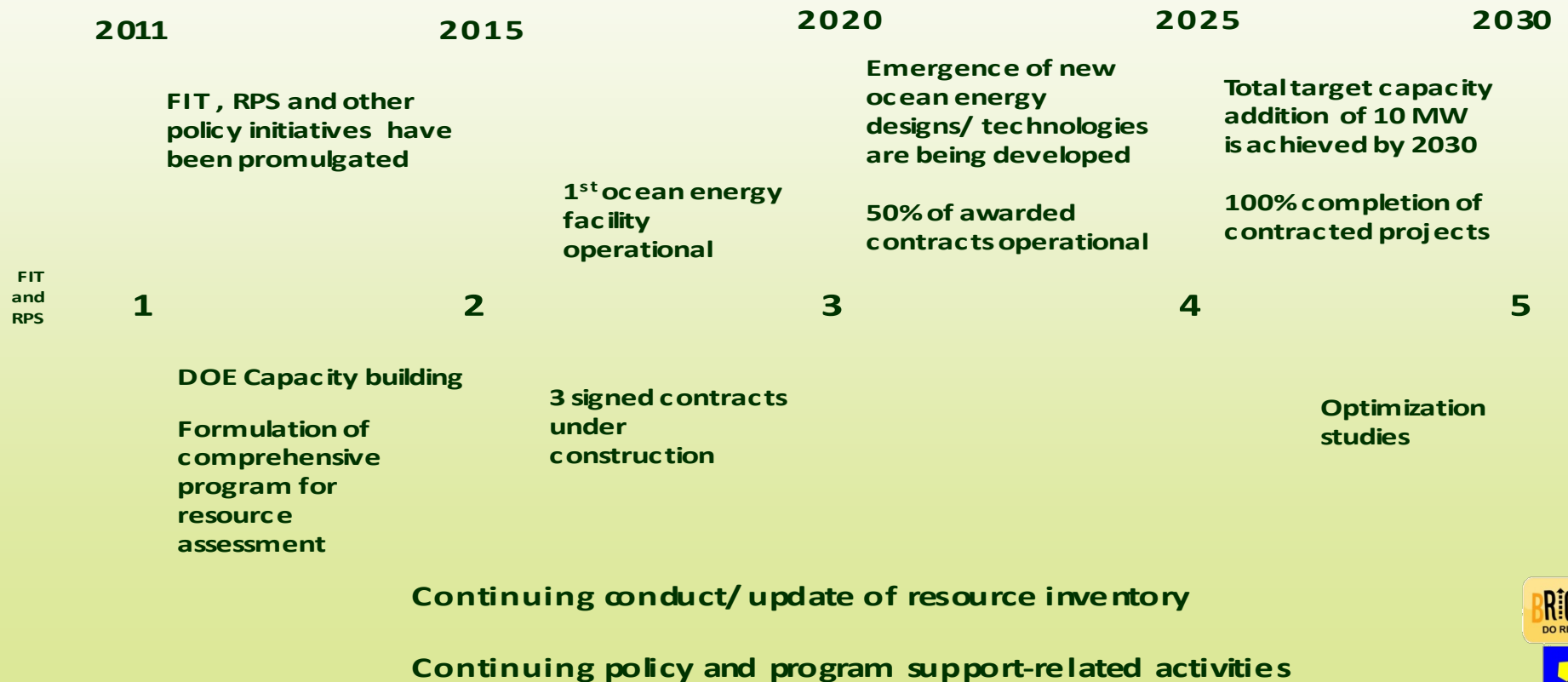
### Targeted RE-based Installed Capacity

Note: The National Renewable Energy Program (NREP) is a live document and will be subjected to public consultations. Figures presented may change based on regular updates of the NREP.



# Ocean Energy Sub-Program

## Ocean Energy Sector Roadmap (2011 – 2030)



FIT and RPS

1

2

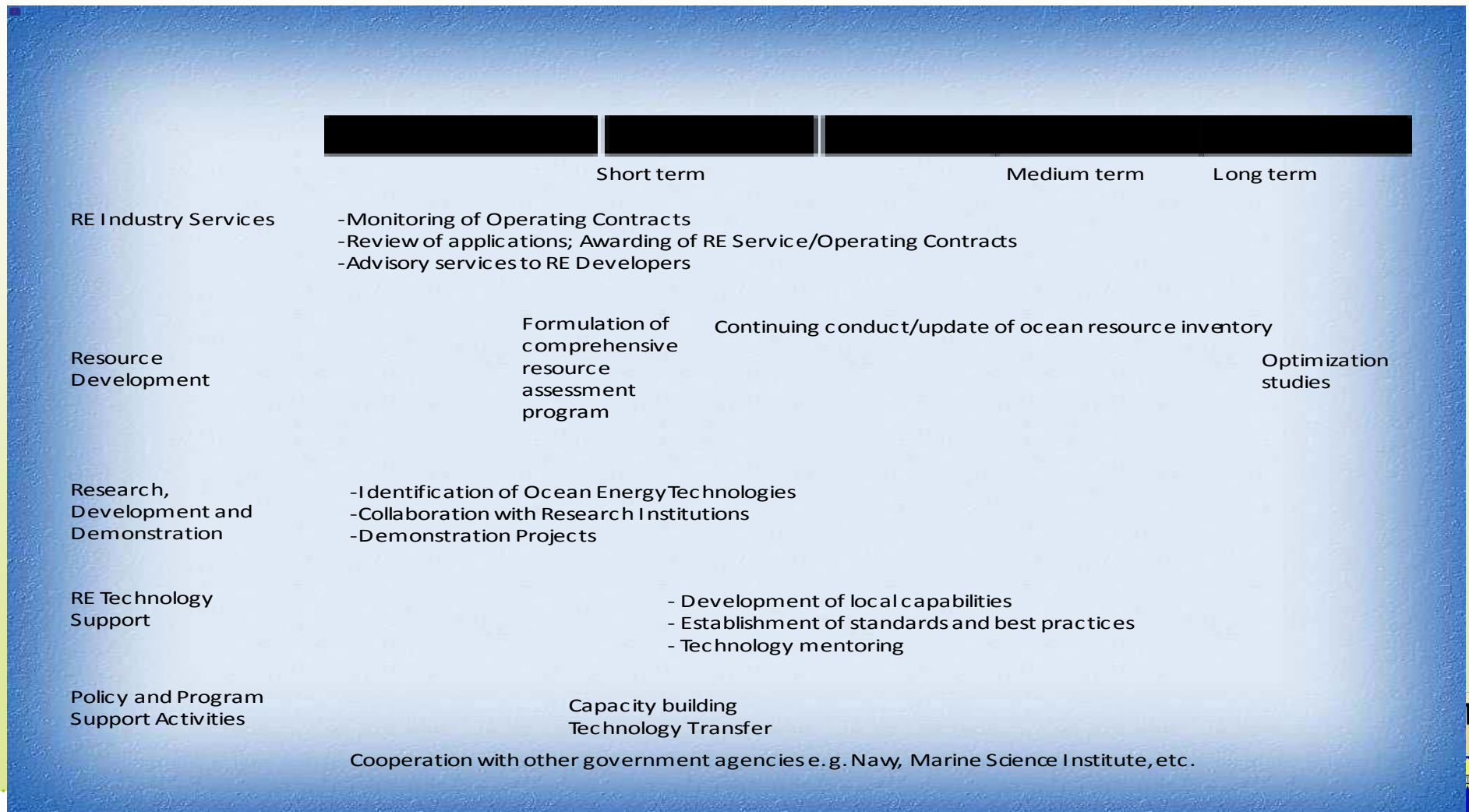
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# Ocean Energy Sub-Program





# Locally-Funded Project on Ocean Energy

- Title – Ocean Energy Potential Resource Assessment Project
  - Implementing Unit – Department of Energy, Renewable Energy Management Bureau
  - Duration – Two Years
- Main Objectives
  - To advance research and development of open-ocean current, wave, tidal and thermal energy systems
  - To make available first hand data on potential ocean area for development
- Specific Objectives
  - Conduct of resource assessment in Philippine ocean territory consistent with the Philippine Energy Plan
  - Develop and maintain a comprehensive database on ocean energy resources of the country

**MABUHAY ! ! !**

**THANK YOU ! ! !**

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