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PACIFIC CONSULTANTS CO.,LTD.

APEC 2015 PPD III Environment-Related Services

17 May 2015
Boracay

www.pacific.co.jp

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About Pacific Consultants

Japanese Leading Construction Consulting Company

Founded: 4 September 1951

President: Sigenori Takaki

Capital Stock: 490 million yen

Sales: 37.4 billion yen (1 October 2012-30 September 2013)

Employees: 1,625 (1 July 2014)

Head Office: 1-7-5 Sekido, Tama-shi, Tokyo

Business Registration: Construction Consulting / Geological Survey Business / Surveying Business / First-Class Registered Architect Office / Measurement Certification Business / Soil Pollution Survey Business / Specialized Labor Supply Business



Experts in Climate Change

- *Toward a Sustainable Low-Carbon Society* -

http://www.pacific.co.jp/service/management/cate03/sub02/PCiGER_pamph_e.pdf

Climate Change Policy

Assessment and analysis of climate change policies and international negotiations

Climate Change Adaptation

Development of strategies to cope with global warming

Climate Change Mitigation

Feasibility study and implementation of greenhouse gas emission reduction projects

Today's Highlight

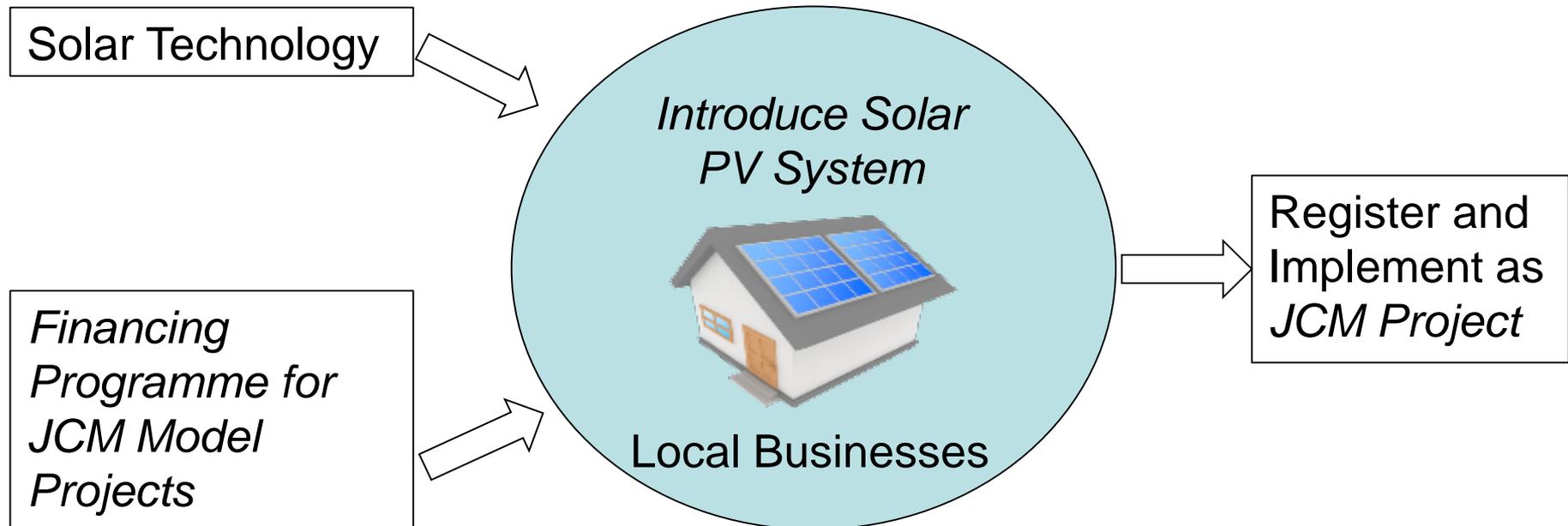
Renewable Energy and Energy Efficiency Projects

- Services - Consulting for energy users and providers
- Power provision to consumers

Projects: 1 Consulting for Energy Users

Example

Brought technology and finance to enable local businesses to introduce solar energy in Palau



*Note: *JCM* or *Joint Crediting Mechanism* is a greenhouse gas reduction scheme between Japan and developing country implemented in several countries

Projects: 1 Consulting for Energy Users



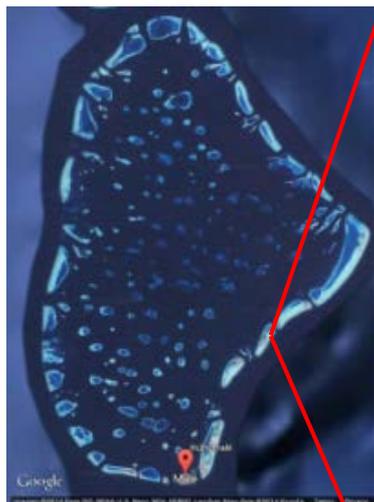
Projects: 1 Consulting for Energy Users



Projects: 2 Providing Power to Consumers

Example

Planned renewable energy powered mini-grid project to provide power to outer island community and resort in Maldives



Male

©2014 Google
Image: ©2014 DigitalGlobe



New Power Company
Special Purpose Company



Projects: 3 Providing Power to Consumers

Example

Planned renewable energy powered mini-grid project to provide power to remote island community in Vietnam



Cu Lao Cham



Challenges and Opportunities

in providing low-carbon energy services

Challenges in developing economies

- Lack of suppliers and engineers
- Lack of financiers
- Lack of understanding on technologies
- Customs duties and tax
- Restrictions to enter power service
- [*Energy subsidy*]

Opportunities in developing economies

- High cost of energy
- Emerging pro-renewable energy policies: net-metering, tax exemptions...

Challenges and Opportunities

in providing low-carbon energy services

Challenges away (in Japan)

- Lack of credit information on developing economy companies
- (Excessive) risk aversion
- Lack of interest in small economies
- Lack of information on market and regulations

Opportunities away (in Japan)

- Affordable technologies
- Green financing
- Carbon credit
- Funding for feasibility studies and demonstration projects

Challenges and Opportunities

in providing low-carbon energy services

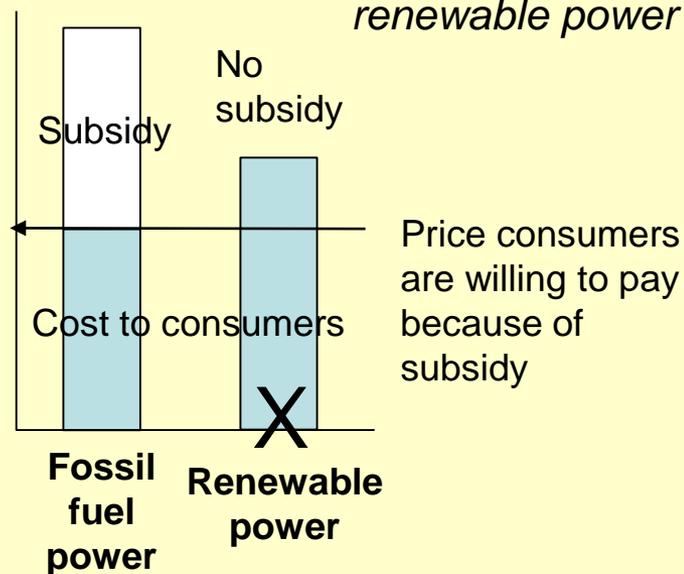
Focus Topic [*Energy Subsidy*]

- May disincentivize move towards low-carbon energy
- May disincentivize private sector providing energy services

Example 1

Cost of power

Consumers will not introduce own renewable power

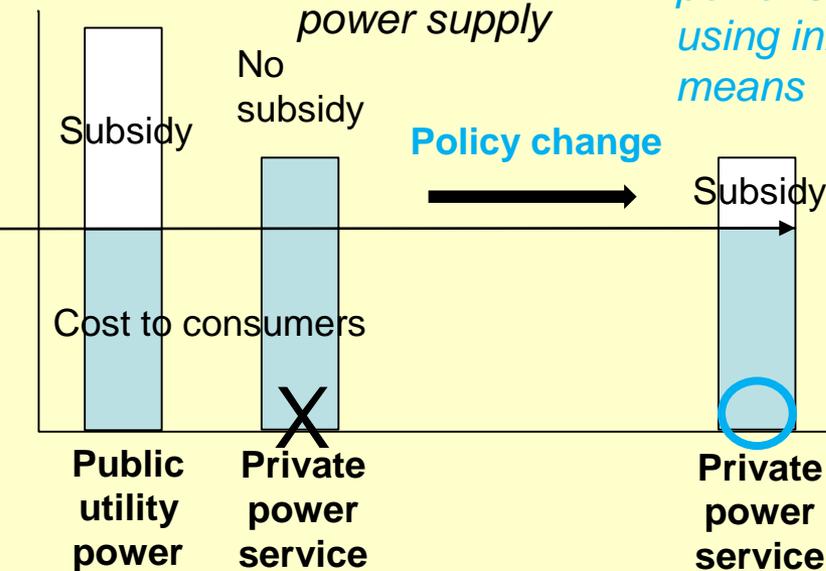


Example 2

Cost of Power

Private sector cannot takeover →

Encourage private sector to provide power supply using innovative means





Thank you!

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