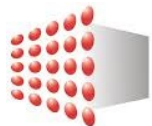


# *Roundtable on Financing Energy Efficiency in the Manufacturing Sector: Insights from International Experience and Implications on Singapore*

Monday, 25 March 2019

Grand Copthorne Waterfront, Singapore



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## Session 1:

**Energy Efficiency Barriers in Singapore's industry sector**  
**- What is putting the market demand off energy efficiency financing schemes?**

**Q: What is putting the different stakeholders off improving energy efficiency, especially in the industry sector?**

- Manufacturing Companies
- Financial Institutions
- Energy Service Providers (e.g. ESCOs and Energy Audit managers)
- Regulators

## Session 2:

# Energy Efficiency Financing Options for Singapore: Where to go?

## Q1: How can Singapore bridge the gaps in industrial energy efficiency financing?

To what extent do the following instruments increase the market demand for energy efficiency finance and address the above identified barriers?

- Project-based loans
- Energy saving guarantees
- Expanded credit risk coverage
- Special Purpose Entities/Vehicle as intermediaries to aggregate energy efficiency projects for accessing equity and debt
- Super-ESCO-like structure to flow project equity capital and capacity building resources to ESCOs/EPCs
- Energy Efficiency Funds: ESCO, Private Equity
- Others

## Session 2:

# Energy Efficiency Financing Options for Singapore: Where to go?

**Q2: Across jurisdictions, which has been more effective in promoting more EE financing projects: changing how financial institutions lend, or how companies want to borrow? Please elaborate on each success case, such as the key success factors and barriers.**

## Session 3:

# Implementation of Market-Based Instruments in Singapore: Where to start?

**Q: Based on the preceding findings, could you propose remedial measures and innovative solutions given your expertise and country experience?**

**To what extent do the following instruments increase the market demand for energy efficiency finance and address the barriers identified above?**

- Energy efficiency obligations (EEOs)
- Voluntary Agreement (VA)
- Auction Mechanisms
- Others

**Please also look at the following:**

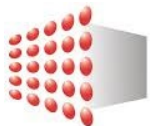
- Comparing major jurisdictions with Singapore (similarities and differences)
- Potential barriers and challenges of the existing policy landscape in Singapore
- Opportunities for further study

# Recap of Key Messages and Next Steps

## Some Questions for tomorrow:

1. Is it possible to go beyond improving energy efficiency financing in Singapore to making energy efficiency systems profitable and lucrative through making Singapore a world leader in energy efficiency? Will Singapore's small domestic market inhibit this growth?
2. How may we create aggregators for industrial process technologies in Singapore that tend to be sensitive?
3. How to address issue of complementarity in policies e.g. EU ETS, white certificates, carbon tax EEOs?
4. On free-ridership, what are some indicators that can be used to track if companies will implement measures/programmes?

# Thank you



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