



Open Day Keynote Presentation

Dr Wei-nee Chen,
Acting CEO of SEDA
8th November 2018



P39: Balancing Economic Growth with Environmental Protection

- Focus on green technology development and **renewable energy**. The industry has the potential to grow rapidly, creating more job opportunities and ensuring increased returns;
- **Renewable energy** through renewable resources will be increased from the current 5% to **20% by 2025**;
- **Reduce dependency on coal power plants** which is one of the power generation methods that has a serious impact on CO2 emissions;
- The country's investment policy will also be re-evaluated to give **priority to high technology industries** and to **use energy from renewable resources**.
- Efforts to build **nuclear** power plants **will be stopped**.



FiT Statistics (Sep 2018)

Renewable Resources	Total Approved			Total Achieving Commercial Operation		
	No of Applications	Capacity (MW)	%	No of Applications	Capacity (MW)	%
Biogas	128	222.72	13.28%	33	61.83	11%
Biomass	44	396.44	23.64%	10	93.75	17%
Geothermal	1	37.00	2.21%	0	-	0%
Small Hydro	65	578.48	34.49%	6	30.30	5%
Solar PV	12,284	442.44	26.38%	9,864	380.47	67%
Community	571	13.09	0.78%	341	7.45	1%
Individual	10,694	98.37	5.87%	8,829	81.62	14%
Non-Individual (< 500kW)	544	101.45	6.05%	444	84.01	15%
Non-Individual (> 500kW)	143	228.53	13.63%	131	207.03	37%
Solar PV(MySuria)	332	1.00	0.06%	119	0.36	0%
Total	12,522	1,677.07	100%	9,913	566.35	100%



Quota Release under FiT

Total RE quota revoked (as at Sep 2018) = **155.7256MW**

Total RE quota to offer in Q4 2018 = **114.5682 MW**.

The quota will open for application by batches:

- **small hydro (74.5682MW) and biomass (10MW)** categories, the opening is on 27th November at 10am.
- e-bidding for **biogas (30MW)** – for the first time in FiT system, SEDA will implement e-bidding for biogas. Actual e-bidding will commence on 19th November.





Status of NEM (7 Nov 2018)

Quota Balance

Region	Peninsular Malaysia					Sabah				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Domestic (MW)	0.0000	39.4349	18.6928	19.9959	0.0000	0.0000	7.9785	3.9870	4.0000	0.0000
Commercial (MW)	0.0000	67.9789	28.9225	35.0000	0.0000	0.0000	8.0000	4.0000	4.0000	0.0000
Industrial (MW)	0.0000	67.5696	25.5212	35.0000	0.0000	0.0000	4.0000	2.0000	2.0000	0.0000
Total (MW)	0.0000	174.9834	73.1365	89.9959	0.0000	0.0000	19.9785	9.9870	10.0000	0.0000

Quota Taken

Region	Peninsular Malaysia					Sabah				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Domestic (MW)	0.0210	0.5441	1.3072	0.0041	0.0000	0.0000	0.0215	0.0130	0.0000	0.0000
Commercial (MW)	0.0064	2.0147	6.0775	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial (MW)	0.0000	2.4304	9.4788	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total (MW)	0.0274	4.9892	16.8635	0.0041	0.0000	0.0000	0.0215	0.0130	0.0000	0.0000

Out of 500 MW (2016-2020), only less than 22 MW of quota has been taken.

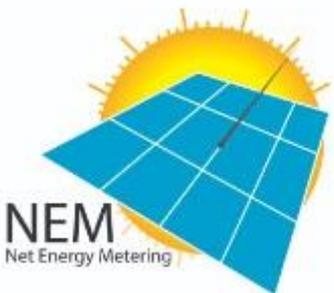
Large solar plants, net metering to help RE generation push

Friday, October 19th, 2018 at , News

0 SHARES



- Also to be implemented from **Jan 1**, Yeo said, was the improved **Net Energy Metering (NEM)** mechanism to allow consumers producing solar power to enjoy better rebates from TNB.
- The minister hopes the plan to call for large-scale solar round 3 (**LSS3**) bids and the NEM scheme will encourage the expansion of solar power generation.
- Yeo said the Energy Commission is preparing to open the LSS3 programme and the request for proposals will be open towards the end of the year or by January 2019.





SEDA: Authorised Verifier of TIGRs Registry



- A renewable energy certificate (REC) represents all environmental attributes of 1 MWh of energy generated from renewable energy.
- RECs are tradeable buyers are typically RE100 companies



Yeo Bee Yin (杨美盈)

October 18 at 10:15 AM · 🌐

17 October 2018 - 4.30pm

Summary of press conference on Sustainable Energy Development Authority (SEDA) MoUs, Feed-in Tariff (FiT) and Renewable Energy Certificate (REC).





Budget 2019 – 2nd November 2018

"202. To incentivise investments in green technology, there will be a **RM2 billion Green Technology Financing Scheme (GTFS)** made available at selected commercial banks where the Government will subsidise the interest cost by **2%** for the **first 5 years**.

2019 Budget: Finance Minister's full speech text





Summary of drivers of RE

1. Feed-in Tariff (FiT) - SEDA
2. Net energy metering (NEM) - SEDA
3. Large Scale Solar (LSS) - ST
4. Green Technology Financing Scheme (GTFS) – MGTC
5. Solar Leasing (PPA)
 - Direct PPA between solar lessor and client or
 - Supply Agreement for RE (SARE) – tripartite arrangement & leverage on TNB's billing system
6. Voluntary REC market – SEDA (as verifier)



Electricity Market Reform: From Energy Monopoly to Energy Democracy

Malaysian Reserve

Tuesday, November 6th, 2018



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Home » News » More competitive rates ahead for power sector with MESI Reform 2.0

More competitive rates ahead for power sector with MESI Reform 2.0



Thursday, September 20th, 2018 at , News



The separation of the single buyer role of TNB could essentially eliminate fuel risk from the equation for TNB



Latitude Tree bound for a recovery after 3 years

By DASHVEENJIT KAUR / Pic By TMR Furniture maker Latitude Tree Holdings ...more

Dr Afni Al-Akiti now a Perak state dignitary

By BERNAMA Islamic Centre Lecturer in Islamic Studies at the Faculty of ...more

Malaysia voices grave concern over killings in Yemen

By TMR / Pic By AFP Malaysia has voiced its grave concern over the ...more

Yeo said under the MESI Reform 2.0, MyPower will focus on 3 objectives:

- to increase industry efficiency;
- to future-proof the industry structure, regulations and key processes; and
- to empower consumers.

The agency will have 3 years of mandate to drive and implement (the initiative).

20 Sep 2018

Next Steps....

RE Outlook 2025

SEDA has been tasked to develop the RE Outlook where **key enablers will be identified** and **strategies will be developed** to reach the 20% RE target.





Renewable Energy Transition Roadmap (RETR) 2035

To determine the future of electricity system and the RE targets in the electricity mix and total primary energy supply (up to 2035)

To determine the strategies, comprehensive action plans and resources required to transit to this future of electricity system and achieve the RE targets
To determine the impact indicators with measurable economic (e.g. contributions to GDP, GNI), social (e.g. employment), and environmental (e.g. health indicator) benefits of the strategies for RE on annual basis until 2035;



Energy Efficiency, the final frontier



Japanese Business Alliance for Smart Energy Worldwide

24. October 2018

MoU between SEDA in Malaysia and JASE-W concluded (Oct.17th, 2018)

The Malaysian Government organization called Sustainable Energy Development Authority (SEDA) under the Ministry of Energy, Science, Technology, Environment and Climate Change and Japanese Business Alliance for Smart Energy Worldwide has concluded Memorandum of Understanding regarding the energy conservation and efficiency, especially in the development of Zero Energy Building in Malaysia.

At the signing ceremony at the booth of SEDA in the International exhibition: IGEM (International Greentech & Eco Products Exhibition and Conference Malaysia), the Minister of the Ministry of Energy, Science, Technology, Environment and Climate Change has witnessed this MoU signing. In the press conference, she expressed her expectation of cooperation between SEDA and JASE-W for the development of Zero Energy Buildings in Malaysia.

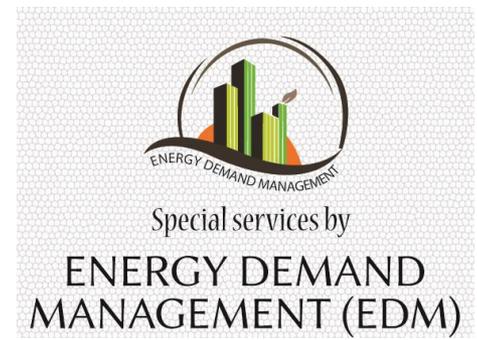
- Energy Efficiency & Conservation Act (EECA);
- GTALCC - UNDP Project;
- Low Carbon Bldgs facilitation;
- Energy Audit Conditional Grants (RMK11)
- EE Consultation & Trainings



The signing ceremony with the minister



The press conference by the minister



TOGETHER,
WE BUILD A
BETTER
NATION
FOR GREENER
LIVING

Thank you



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