



Welcoming Speech By
Y. B. Tan Sri Dr Fong Chan Onn
Chairman, SEDA Malaysia
At the
International Sustainable Energy Summit 2012
Wednesday, 7th November 2012
Putrajaya Marriott Hotel

Y.B. Datuk Noriah Kasnon, Honourable Deputy Minister, Ministry of Energy, Green Technology and Water,

His Excellency Zeljko Bosnjak, Croatian Ambassador,

Y.B. Dato' Dr. Mah Hang Soon, Committee Chairman of Health, Local Government, Consumer Affairs, Environment, Transport and non-Muslim Affairs, Perak State Government,

Y. Bhg. Datuk Loo Took Gee, Secretary-General, Ministry of Energy,
Green Technology and Water,

Y. Brs. Pn Badriyah Abdul Malek, Chief Executive Officer of Sustainable
Energy Development Authority Malaysia,

Y. Bhg. Dato' Samsudin Hashim, CEO of Perak State Development
Corporation,

Y. Bhg. Tan Sri –Tan Sri, Datuk-Datuk,

Distinguished Guests,

Members of the press, and

Ladies and Gentlemen.

Good morning dan Salam 1 Malaysia

1. On behalf of SEDA Malaysia, thank you very much for being here with us this morning. This is a historic moment for us in SEDA Malaysia because today is the launching of the inauguration of the International Sustainable Energy Summit or the ISES 2012. For the benefit of those who are new to us, I would like to take this opportunity to share with you what SEDA Malaysia has gone through for the past one year particularly on the feed in tariff mechanism

implementation and the achievements of SEDA Malaysia during this period.

2. SEDA Malaysia was officially established on 1st September 2011 with the enforcement of the SEDA Malaysia Act 2011. The main role of SEDA Malaysia is to implement the National Renewable Energy and Action Plan which had received unanimous support from the Malaysian Cabinet on the 2nd April 2010. To ensure long term commitment by the Government of Malaysia towards widespread deployment of renewable energy, the Ministry of Energy, Green Technology and Water has identified one of the most important strategic thrust to accelerate the growth of renewable energy industry in the country is to employ an effective tool through a legal framework.
3. The RE Bill 2010 was subsequently passed in Parliament on 27th April 2011 which mandated the implementation of the feed-in tariff mechanism in the country. The enforcement of the RE Act 2011 marks the beginning of a new era of the renewable energy industry in the country. The Act will ensure a sustainable trajectory for renewable energy growth in Malaysia. The National Renewable Energy Policy and Action Plan also need to ensure there is a systematic approach to develop conducive RE business environments, the human capital development, RE, R&D and finally to get the buy-ins from all stakeholders to support this national agenda.

Ladies and Gentlemen,

4. ISES is the knowledge product of strategic thrust five of the National Renewable Energy Policy and Action Plan that SEDA Malaysia has developed for the benefit of engaging the stakeholders and the public on issues pertaining to renewable energy and energy efficiency. We are all very much aware the cornerstone of the sustainable energy sector is dominated by the renewable energy and energy efficiency industries. SEDA Malaysia is proud to be supported by so many renowned speakers who represent thought leaders in both industries in this Summit. We are grateful they have taken time off from their very busy schedule to share with us their expertise. It is my sincere hope you can use this platform to engage with the speakers and also with other participants to expand your knowledge and business networking opportunities.

5. The theme of ISES 2012 is 'empowering the nations via sustainable energy'. When SEDA Malaysia was established, our vision for the country is to promote the deployment of sustainable energy measures as part of the solutions towards achieving energy security and autonomy. We believe a country will only be truly empowered when nations achieve energy security and autonomy and at SEDA Malaysia, we believe that renewable energy and energy efficiency will play key roles towards achieving this objective. Hence, with the implementation of the feed-in tariff mechanism on 1st December 2011 we will continuously strive in our effort to provide awareness to the public on any updates pertaining to the FiT mechanism implementation.

Ladies and Gentlemen,

6. Let me share with you the outcome of the feed-in tariff or the FiT mechanism implementation in Malaysia. As of end of September 2012 we have received a total of 1,090 feed-in approval applications and we have approved a total of 535 applications. Approved applications from solar PV for the individuals ranked the highest (362) in terms of numbers, followed by solar PV for the non-individuals (133). The number of approved applications for biogas is 13, small hydro is 14 and biomass is 13. In terms of installed capacity, a total of 404.49 MW has been approved and the breakdown of the approved installed capacity is as follows: 156.65 for solar PV for the non-individuals, 131.4 MW for biomass, 86.05 MW for small hydro, 20.53 MW for biogas and 9.86 MW for solar PV for the individuals. From all these, approximately 1,684 GWhrs per year of energy will be generated enough to power 467,800 homes and avoid 1.16 million tonnes of carbon dioxide per year. These projects will reach commercial operations between 2012 and 2014. This achievement is commendable because within three years we would have achieved more than what the country has achieved in the past more than 10 years in terms of grid-connected RE systems.

Ladies and Gentlemen,

7. SEDA Malaysia is also proud to announce the rolling out of the 2,000 solar home rooftop programme on 24th September 2012. Under this programme, extra quota for the solar PV (individuals) was allocated. Specifically, 2 MW was assigned to 2nd half of 2012 and another 6

MW for 1st half of 2013. Under this rooftop programme, the rakyat can participate and contribute towards generating clean electricity for the country. SEDA Malaysia is working closely with the local banks to provide especially financing to the individuals so the rooftop programme can receive greater acceptance.

8. The provision of a conducive business environment is under strategic thrust two and under this thrust, SEDA Malaysia has been engaging with Bank Negara Malaysia and a few local banks to provide reasonable financing packages for those taking part in the feed-in tariff programme. Therefore, SEDA Malaysia has strategically developed financing as one of our sessions under ISES. We are pleased to have a representative from the Central Bank who will update us on their efforts to facilitate in paving the way for other banks to finance sustainable energy projects in the country. On this note, SEDA Malaysia hopes that local banks will be more supportive on financing sustainable energy projects.

9. Financing is truly one of the key enablers that will unlock the truth potentials on sustainable energy projects in any country. I am informed we will have the presence of Asian Development Bank (ADB) to share their perspectives on solar energy initiatives and their updates on this. Malaysia hopes to find an opportunity to collaborate with ADB and other international banks on their renewable energy initiatives. The technology session of ISES which will be held tomorrow with the financing session is in line with the strategic thrust 3 of the national RE Plan on the latest RE and EE technologies available globally.

10. Although SEDA Malaysia is just a little more than a year old, today we are offering design and installation of solar PV system trainings accredited by the Institute for Sustainable Power (ISP). There are two types of training, grid-connected and off-grid PV trainings. The grid-connected PV trainings are held in collaboration with Universiti Teknologi Mara (UiTM) and Selangor Human Resource Development Centre (SHRDC). We are in the process of developing the off-grid PV trainings which we will offer soon. Currently SEDA Malaysia is working with a few stakeholders on the syllabus for solar PV installers. Hence, by next year SEDA Malaysia will be able to offer training programmes for solar PV installers, chargemen and wiremen. We plan to have training centres in major cities in Peninsular Malaysia.

11. SEDA Malaysia is also collaborating with other training institutions in other technologies and this morning we are going to witness the signing of a memorandum of understanding with Perak Hi-Tech Park Sdn Bhd and SEDA Malaysia. This MoU will facilitate the appointment of Perak Hi-Tech as a consultant to provide services to SEDA Malaysia in the area of hydro power technology with specific emphasis on small hydro installations. Perak Hi-Tech will also establish training facilities at their Hydro Power Technology Centre to improve local competencies in this technology. I understand the Centre will be equipped with turbine test rigs capable of performing test according to International Electrotechnical Commission (IEC) Code, computer with Computational Fluid Dynamics (CFD) modelling facilities and online access to Turbo Institute in Slovenia's super

computer. The Brodarski Institute will support in civil engineering, structure design and testing capabilities by utilization of their existing facilities in Croatia. In addition, Perak Hi-Tech shall also have a working model of an actual small hydro plant at a river which flows through the Hi-Tech Park. This model will allow for hands-on training on design and installation during the planning and construction phase, as well as training on operations and maintenance after commissioning.

12. For biomass and biogas technology capacity building, we have initiated collaboration with the Energy Institute Malaysia (EIM). Just recently, we have organized two (2) initial workshops recently in Putrajaya to give exposures to related stakeholders in Biomass and Biogas power generation technology and its potential in the FiT Mechanism. We have also organized another 5-day technical workshop for engineers in Biomass and Biogas technology. This is an initial start and we anticipate to conduct more trainings in this area soon.

13. On a personal note as a young agency, I think we had managed quite reasonably well in pursuing the third strategic thrust of developing the human competency in the renewable energy industry. We would like to thank PEMANDU under the Strategic Reform Initiatives (SRI) for financially supporting human capacity development programmes on the small hydro, biomass and solar PV training programmes.

14. Ladies and Gentlemen, As part of the advocacy programme, SEDA Malaysia also reaches out to young children and we are proud

to collaborate with Kuntum on this project to educate primary school children on renewable energy. In addition to educate these school children, Kuntum and SEDA Malaysia had organized for colouring, drawing and essay competitions on the subject matter of renewable energies and the prizes will be awarded today. I must admit I am impressed with the creativities shown in the colouring and drawings of the young children and the knowledge on renewable energy as reflected in their essay submissions. With this, we thank Kuntum for a successful outreach partnership to the school children; we look forward to further collaboration next year with Kuntum.

15. Besides administering and monitoring the FiT programme, SEDA Malaysia has also been entrusted to manage the SAVE programme under PEMANDU's EPP-9 programme. The SAVE is an energy efficiency awareness programme which was launched on 7th July 2011. The SAVE programme as at 18th October 2012 registered total redeemed vouchers of 98.8% of the total allocated vouchers for refrigerator and 97.5% for air-conditioners. For chillers, the uptake in Peninsular Malaysia has exceeded our expectations.

16. In closing, I wish to take this opportunity to thank the Ministry of Energy, Green Technology and Water for their unwavering support to SEDA Malaysia. We are grateful that Y.B. Datuk Noriah Kasnon, the Honourable Deputy Minister of Energy, Green Technology and Water is able to represent the Minister, Y.B. Dato' Sri Peter Chin Fah Kui this morning to officiate the Summit. We thank the various ministries, government agencies, media partners, exhibitors, speakers and the participants who are here this morning. I want the outcome from ISES

to be more than just an academic exercise. I hope there will be meaningful exchange of knowledge and interactions among the various members. Till we meet in the next ISES, I wish to take this opportunity to wish all Hindu friends, a happy Deepavali celebration and Merry Christmas which is just around the corner.

Thank you.

7th November 2012.