



**13 April 2023**  
**10.00am – 12.00pm**

180 Kitchener Road, #06-10, City Square Mall (Sky Park), Singapore 208539

No	Name	Company	Signature
1	Vinod Kesava	Climate Resources Exchange International Pte Ltd	Present
2	Eugene Quek	AGC Asia Pacific Pte Ltd	Present
3	Gonzalo Cabrera	Association of International Energy Negotiators (AIEN)	AWA
4	Haoren Lu	Baker Hughes	AWA
5	sandra seah	Bird & Bird ATMD LLP	Present
6	Koon Siang Ng	C&W Services	Present
7	Katheryn Tan	Cleantech Solar	AWA
8	Evan Santos	Climate Resources Exchange International Pte Ltd	Present
9	Peter Cockcroft	Economic	Present
10	Leong Chia Jang	EDPR Sunseap	Present
11	Laurence Kwan	EDPR-Sunseap APAC	Present
12	Senthil Kumar Karuppiah	Energi Tranz Pte Ltd	Present
13	JOSEPH TAN	Energreen Technologies Pte Ltd	Present
14	Ted Toth	ERM (Environmental Resources Management)	Present
15	Dr Daniel Wong	Gaffneycline	Present
16	Chi Ho Wong	GP Energy Tech International Pte. Limited	AWA

No	Name	Company	Signature
17	Jeremy ong	Gurin Energy Pte Ltd	AWA
18	Niraj Ranjan Sharma	IBM Global Services Pte. Ltd.	Present
19	Michael Brouwer	Impiro	Present
20	Lionel Martinez	ING	Present
21	Seng Meng Heng	ITE	Present
22	Marius Toime	K&L Gates Straits Law LLC	AWA
23	Ralhan Krishan Kumar	Kaltimex Energy Singapore Pte Ltd	AWA
24	Sunil Yadav	KPMG	Present
25	Jade Feinberg	KPMG	AWA
26	Colin Koh	LKH PRECICON	AWA
27	Philip Wang	LYS Energy Services Pte Ltd	Present
28	Eddie Raj	Mediacomz International Pte Ltd	AWA
29	Garry TAY	noco-noco pte ltd	AWA
30	Emily Loo	OCBC Bank	Present
31	Param Gadhैया	OCBC Bank	Present
32	Ee Yoon KUET	OceanMaster Engineering	Present
33	Kendy Siew	Oilmaster Pte Ltd	Present
34	Steve Tan	OPIS	Present
35	Steve Seah	OPIS	AWA
36	Serena Seng	OPIS	Present
37	Steve Tan	OPIS	Present

No	Name	Company	Signature
38	Melissa Goh	OPIS	Present
39	Lujia Wang	OPIS	Present
40	Clare Savereux	PacificLight	Present
41	Jerid Soo	PSA Corporation Ltd	Present
42	Raj Sen	Quorum Software	Present
43	Peter Smith	Redd Capital (Coalition for Rainforest Nations) & CRX	Present
44	Christophe CHAU	RS Clare	AWA
45	Sunil Kumar	Siemens Energy	AWA
46	Heng Seng Meng	SINFM3845-ITE	AWA
47	Harris Kristanto	SMRT Corporation	AWA
48	Wee Khoon Oh	Sobono Pte Ltd	Present
49	Sei Hoe Tan	Sumitomo Mitsui Finance and Leasing	AWA
50	Azlyn Supingi	Sustainable Energy Association of Singapore (SEAS)	AWA
51	Patrick Tan	TGM Global Pte Ltd	AWA
52	Srinivasan Sivaraman	TIPL	Present
53	Henry Eu	Trina Solar	AWA
54	Rui Li	TUV SUD PSB Pte Ltd	AWA
55	David Yeo	Valores Global Pte Ltd	AWA
56	Mohamed Yousouf	Valoresglobal	Present
57	Anthony Perreau	World Fuel Services	Present
58	Kes Shotam	Climate Resources Exchange International Pte Ltd	AWA

	Description	Action By
1.	<p><u>Welcome Remarks by Ms Kavita Gandhi, Executive Director of SEAS</u> Ms Kavita Gandhi welcomed everyone to the meeting and thanked everyone for coming. She then handed the floor to the chairman.</p>	
2.	<p><u>Welcome Remarks by Chairman, Mr Vinod Kesava</u> Chairman welcomed everyone to the meeting and invited the group for a round of introduction. He also mentioned that the carbon WG covers both the decarbonisation as well as the carbon markets area. The goal is to keep members updated, do capacity building as well advocacy.</p>	
3.	<p><u>Presentation by Dr Daniel Wong, Senior Consultant, Gaffneycline</u> Dr Daniel Wong(DW) presented the process of Carbon Capture and Storage (CCS) and shared the need to have more CCS projects to meet the net zero target. The low carbon tax makes many CCS technology financially not feasible. The members commented that other factors also contribute to the adoption of CCS, such as regulation and financing, as well as technology. DW also shared that if carbon tax/price is at approx. \$50 only some technologies will be viable and for all technologies to be financially viable either the technology prices need to come down or the carbon price need to go up . For more details please find attached the presentation by Dr Daniel wong, Gaffne Cline</p>	
3.	<p><u>Presentation by Peter Cockcroft, Advisor at Asia-Pacific Net-Zero Institute Pte Ltd</u> Mr Peter Cockcroft shared on the London protocol as well as insights on regional developments and projects. There is a no viable commercial model yet therefore there is no carbon storage provider and CCUS is typically part of the project. Japan and Korea are investing actively in CCS, and in countries like Indonesia and Malaysia, certain states (e.g. Sarawak) are more progressive and open to projects instead of awaiting federal action.</p> <p>On the local aspect, he shared that CCUS should be part of the green toolkit towards net zero, and since 50% of carbon emissions is from industry, the companies on Jurong could jointly work on an offshore CCS project.</p>	
4.	<p><u>Update by Chairman, Mr Vinod Kevasa</u> Mr Vinod shared that he participated in ESG industry consultation meeting. There is a whitelist of carbon credits that can be used towards the carbon tax, including credits from renewable energy and storage, and natural carbon capture / forestry related projects. He further reiterated that the agency is open to adding to the white list and would like to invite submissions from the industry</p> <p>Chairman invited members to contribute and SEAS can consolidate inputs from members if any to provide feedback.</p> <p>He also shared that carbon credits cannot be used as carbon tax liability due double counting.</p>	<u>SEAS</u>
5.	<p><u>Update by Secretariat, Kavita Gandhi, Executive Director, SEAS</u> Ms Kavita Gandhi shared on SEAS MOU signing with Indonesia on 16<sup>th</sup> Mar, to collaborate on the Green Corridor Project. She also updated on the formation of the Singapore Sustainability Alliance, between SCCCI, SEAS and SGTech.</p>	

	<p>She highlighted that ACES is confirmed from 24-26 Oct 2023 at Marina Bay Sands, and briefed on 2023 activities of the SEAS Sustainable Energy Start-Up Network (SESUN). The date of the SEAS 16<sup>th</sup> Annual General Meeting is confirmed for the 17<sup>th</sup> of May 2023, and will be graced by SEAS Patron, Dr Amy Khor, Senior Minister of State, Ministry of Sustainability and the Environment &amp; Ministry of Transport, as the Guest of Honour.</p>	
6.	<p><u>Any other matter</u></p> <ul style="list-style-type: none"> <li>• Next meeting date: 14 August 2023</li> </ul> <p>As there were no other matters, the meeting concluded with thanks from the Chairman and participants at 12.00 pm.</p>	

Recorded by : Roger Sim

Vetted by : Kavita Gandhi

Approved by : Vinod Kesava