



第二届亚太能源可持续发展高端论坛

时间：2016年11月3日-5日
地点：中国·天津 瑞吉金融街酒店

一、11月3日（星期四）

时间	活动			
8:00-9:00	签到			
9:00-9:30	致辞: (主持: 天津大学副校长 元英进) 国家能源局副局长 李凡荣 APEC 能源工作组(EWG)主管 陈炯晓(中华台北) 天津大学党委书记 李家俊			
9:30-10:00	APSEC 新任顾问专家聘书颁发仪式 “亚太可持续城市及能源技术研究院”成立仪式 集体合影&茶歇			
10:00-12:00	大会报告 (APEC 基金项目联合研讨会) (主持: 天津大学化工学院院长 马新宾)			
	嘉宾	题目	职务	经济体
	Cary Bloyd	Asia-Pacific-Economic Cooperation (APEC) Clean Energy Activities	高级研究员 西北太平洋国家实验室	美国
	陈海生	The Prospect of Energy Storage to Support Sustainable Energy Systems in China	副所长 中科院热物理所	中国
	Danielle Kennedy	CO2 Capture Technology Development in Australia	高级研究员 联邦科学与工业研究组织 (CSIRO)	澳大利亚
	唐杰	Shenzhen Practices in Transformation Toward Green and Low-Carbon Development	原副市长 深圳市人民政府	中国
	李俊峰	Climate Change and Energy Transition in China	主任 国家应对气候变化战略研究和国际合作中心	中国
APSEC 指导委员会第二次会议				



Asia-Pacific
Economic Cooperation



APSEC Sustainable Energy Center

12:00-14:00	午餐
14:00-17:00	<p>APEC 基金项目分场研讨 “议题：能源可持续发展”</p> <ol style="list-style-type: none"> 1、清洁化石能源—清洁煤技术转移与推广 (EWG 08 2015A) 2、能源弹性—太阳能应急避难所解决方案 (EWG 22 2015A) 3、储能—可持续能源系统储能技术 (EWG 04 2016A) 4、绿色金融—APEC 区域绿色融资机制创新 (EWG 09 2016A) 5、可再生能源供给—绿色建筑可再生能源解决方案 (EWG 03 2016A)
18:00-20:30	APSEC 成立两周年庆祝晚宴

二、11月4日（星期五）

9:00-17:00	APEC 基金项目分场研讨（继续）
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三、11月5日（星期六）

9:30-10:00	<p>APEC 可持续能源中心挂牌仪式 APSEC 办公场所参观</p>
10:00-12:00	<p>技术考察</p> <p>太阳能十项全能 SD 竞赛作品——Sunflower 小屋</p> <p>智能电网重点实验室</p>
12:00-13:30	午餐



第二届亚太能源可持续发展高端论坛

参会名单

第二次 APSEC 指导委员会会议参会人员名单

指导委员会组成成员			
序号	单位	姓名	职务/职称
1	国家能源局	安丰全	国际合作司副司长
2		张爽	国际合作司综合处主任科员
3	天津大学	李家俊	党委书记
4		朱丽	APEC 可持续能源中心主任
天津市部门领导			
5	天津市城乡建设委员会	郑嘉轩	副主任
6		王士敏	节能科技处处长
7	天津市发展和改革委员会	刘奎建	天津市发改委能源处
8	天津市科学技术委员会	张骄	合作交流处
高级别专家咨询委员会候选人员			
9	美国宾夕法尼亚大学	Alon Abramson	项目经理
10	澳洲国立大学	Igor Skraybin	澳洲-印尼联合研究中心主任
11	国家能源局	邹逸桥	原国际合作司司长
12	深圳市政府	唐杰	原副市长
13	国家应对气候变化战略研究和国际合作中心	李俊峰	主任
14	国家发展和改革委员会能源研究所	刘小丽	能源经济和发展战略研究中心副主任
15	中国香港机电工程署	李国强	原助理署长
合作单位代表			
16	中节能咨询	霍中和	总经理
17	新疆吐鲁番市新能源示范区管委会	霍学峰	副主任



天津大学领导			
18	天津大学	元英进	副校长
19		张俊艳	科研院人文社科处处长
20		张颀	建筑学院院长
21		杨福玲	国际合作处处长
22		洪再生	建筑设计规划研究总院
APEC 可持续能源中心			
23	APEC 可持续能源中心	严哲星	研究员



APEC 基金项目研讨会参加人员

项目	序号	经济体/ 组织	姓	名	职务/职称	机构
ALL	1	中华台北	陈	炯晓	负责人	APEC 能源工作组 秘书处
	2	中国	邹	逸桥	原司长	国家能源局 国际合作司
	3	中国	宋	宇辉	院长	中国中建设计集团有 限公司专业二院院长
	4	美国	Abramson	Alon	博士	宾夕法尼亚大学
	5	中国	龚	强	总监, 博士	IOI(厦门)置业 有限公司
	6	中国	张	松	总裁助理	顺风光电投资 (中国)有限公司
	7	中国	方	振雷	总经理	建筑节能与分布式 能源事业部
	8	中国	张	时聪	副研究员	中国建筑科学研究院
	9	中国	田	玮	教授	天津科技大学
SPESS	10	中国	高	力强	博士, 副教授	石家庄铁道大学
	11	中国	何	成	博士, 讲师	华中农业大学
	12	美国	Finnegan	Andrea	政治与经济 科科长	美国驻成都 总领事馆
	13	美国	Bloyd	Cary	博士, 高级研究员	西北太平洋 国家实验室
	14	印度 尼西亚	Mantiri	Mautits	副市长	比通市市政府
	15	印度 尼西亚	Theno	Ignatius Rudy	公共工程处 处长	比通市市政府
	16	印度 尼西亚	Roeroe	Henriette Jacoba	发展顾问	比通市市政府



	17	印度尼西亚	Sidangoli	Marmelda		比通市市政府
	18	马来西亚	Ishak	Rosmahwati		社会福利局
	19	菲律宾	Sibayan	Fortunato S.	高级研究专家	能源部 可再生能源管理局 太阳能风能司
	20	菲律宾	Garcia	Riza G.	研究专家	能源部 可再生能源管理局 科技服务管理司
	21	泰国	Singkul	Soottisak	工程师	替代能源 发展与效率司
	22	泰国	Nuanual	Pichet	工程师	替代能源 发展与效率司
	23	越南	Ta	Quang Kien	高级官员	越南农业与农村发展部国际合作司
	24	越南	Ta	Quang Giang	官员	越南农业与农村发展部国际合作司
	25	韩国	Park	Sang-Eon	教授	仁荷大学
	26	澳大利亚	Chaffee	Alan	教授	莫纳什大学
	27	澳大利亚	Kennedy	Danielle	高级研究员	CSIRO
	28	菲律宾	Marollano	Mark Christia	高级研究员	能源部 能源政策规划局
CCT	29	中国	刘	小丽	副主任	国家发展和改革委员会能源 经济和发展战略研究中心
	30	中国	马	新宾	院长	天津大学化工学院
	31	日本	Makino	Keiji	高级研究员	煤炭能源中心 战略策划与信息部
	32	日本	Saito	Kensuke	副司长	经济贸易与工业部 煤炭司
	33	日本	Fujita	Toshiko	司长助理	煤炭能源中心 战略策划与信息部



	34	马来西亚	Mukhtar	Khairul Anuar	部长助理	能源部绿色工艺及水务司
	35	智利	Canales	Williams E.R.		科技矿业协会
	36	菲律宾	Dequina	Beejee	研究员	能源部 能源政策规划局
	37	俄罗斯	Vitaly	Shumkov	国际合作处处长	科技矿业协会
	38	中国	张	玉龙	研究员	神华低碳清洁能源研究所
	39	中国	马	劲风	西北大学	教授
	40	中国	庄	焯	首席专家	中国国电集团公司 龙源环保工程有限公司
	41	中国	许	世森	研究员	中国华能集团公司
	42	中国	肖	磊	副院长	神雾研究院
	43	中国	张	岚	首席专家	神雾研究院
	44	中国	郝	斌	主任	深圳建筑研究院
Green Finance	45	中国	李	仿	战略金融总监	当代置业(中国)有限公司
	46	中国	唐	杰	副市长	深圳市人民政府
	47	中国	李	俊峰	主任	国家应对气候变化战略研究和国际合作中心
	48	中国	沈	一扬	能源顾问	亚洲开发银行
	49	中国	万	琳	中国代表	亚太经合组织 EGNRET
	50	中国	孙	鹏程	教授	中国建筑技术中心
	51	中国	蒋	南青	国家项目官员	联合国环境规划署
	52	中国	姚	远	副总经理	中节能绿碳(北京)投资发展有限公司



	53	中国	朱	丽	主任	亚太经合组织 可持续能源中心
	54	中国	李	杰	总裁	北京喜神资产管理 有限公司
	55	中国	霍	中和	总经理	中节能
	56	中国	郭	志强	副总	中节能
	57	中国	吕	芳	总裁助理	北京环境交易所
	58	中国	雷	放	环境金融部 产品经理	兴业银行总行
	59	马来西亚	Zolkifl	Nur Ayuni binti	部长	能源部绿色工艺及 水务司
	60	马来西亚	Leong	Kin Mun	拿督, 主席	马来西亚 生物质产业联盟
	61	印度 尼西亚	Fauziah	Media Riski	节能处主管	能源矿产部新能源、 可再生能源及节能司
	62	泰国	Glawgitigul	Sutthasini	高级研究 专家	替代能源 发展与效率司
	63	智利	Benavente	Jose Miguel Garcia	监管事务 分析员	CHILECTRA (Enel Group)
Energy Storage	64	中国	陈	海生	副所长	中科院热物理所
	65	中国	刘	坚	研究员	国家发改委 能源研究院
	66	中国	周	友	千人计划专家	北京低碳清洁能源 研究所
	67	中国香港	Cheng	Eric Ka-wai	教授	香港理工大学
	68	新西兰	Marantes	Cristiano	工程经理	航向有限公司
	69	澳大利亚	Skryabin	Igor	业务拓展经理	澳大利亚国立大学
	70	中国	张	静	秘书长	中关村储能 产业技术联盟



71	中国	李	鹏程	主席	亚太经合组织 EGEE&C
72	中国	曾	杰	储能科研团队 应用2组副组长	南方电网公司
73	中国	邱	尚青	海外业务部 技术经理	上海电力设计院 有限公司
74	中国	牛	星岩	团队经理	法国电力集团
75	中国	高	诗巧	研究工程师	法国电力集团
76	中国	邹	德天	营销总监	比亚迪汽车工业 有限公司
77	中国	郭	庆辰	销售经理	比亚迪 新能源研究院
78	中国	吴	惠康	电池技术 总监, 博士	江苏天合储能 有限公司
79	中国	衣	进	执行董事, 博士	新天域资本
80	中国	徐	喆童	研究经理	新天域资本
81	中国	李	德地	储能业务 经理	ABB (China) Limited
82	中国	徐	际强	CEO	储能在线
83	中国香港	Wong	Daniel Chun-kit		电力和机械服务部
84	菲律宾	Escobar	Gaspar G.	司长	可再生能源管理局
85	菲律宾	Carlos	Alexis Matel D.	高级研究员	可再生能源管理局
86	泰国	Siriput	Peeraya	高级研究员	替代能源 发展与效率司
87	泰国	Chanapiwat	Pornpan	研究专家	替代能源 发展与效率司
88	马来西亚	Kiong	Paul Wong Kok	副部长	绿色科技部
89	智利	Benavides	Jose G.C.	电力部市场 负责人	国家能源委员会



	90	智利	Aguilera	Filippo Gentili	监管事务 分析员	智利电力公司 (CHILECTRA)
Solar Building	91	中国	曾	少军	秘书长	全国工商联 新能源商会
	92	中国	刘	俊跃	副主任	深圳建研院
	93	中国	周	篁	董事长	中国智慧科技股份有限公司 北京观鼎投资管理有限公司
	94	中国	王	东	院长	深圳国际低碳 研究院
	95	中国	洪	再生	院长	天津大学建筑设计 规划研究总院
	96	中国	祝	婕	总工程师	天津大学建筑设计 规划研究总院
	97	中国	吴	丹	国际联络部 副主任	全国工商联 新能源商会
	98	中华台北	Chen	Chung-Hsien	主席	亚太经合组织 EGNRET
	99	中国	孙	勇	博士, 副研究员	天津大学
	100	中华台北	Chu	Cheng-Nan	经理	工业技术研究院
	101	印度 尼西亚	Wardoyo	Totok Sulistiyanto	主任	机械、电力与能源 咨询部
	102	泰国	Nawalertpanya	Khumthorn	研究员	替代能源 发展与效率司
	103	马来西亚	Ahmad	Ellissa Comiella	助理秘书	能源部绿色工艺及 水务司
	104	智利	Arias	Cristina Risco	经济事务部 专家	国家能源委员会
	105	英国	Wilde	Pieter J.C.	教授	普利茅斯大学
106	美国	Ochshorm	Jonathan	教授	康奈尔大学	



非成员经济体参会人员(未经 APEC 秘书处提名邀请程序)

序号	经济体/ 组织	姓	名	职务/职称	机构
1	中国	孙	欣	能源安全 研究所所长	国家安全生产监督管理总局 信息研究院
2	中国	韩	甲业	能源安全研 究所副所长	国家安全生产监督管理总局 信息研究院
3	中国	林	宏宇	副局长	全球能源互联网发展合作组织
4	中国	范	盛楠	合作局 职员	全球能源互联网发展合作组织
5	中国	马	少强	副处长	深圳市发展改革委
6	中国	孙	杨	公共事务 总监	维斯塔斯风力技术集团
7	中国	常	婧	科员	建设科技发展推广中心
8	中国	庞	燕梅	科员	建设科技发展推广中心
9	新加坡	Lee	Siew Eang	博士	新加坡国立大学



Participants List (APEC-Nominated Only)

Project	No.	Name	Economy	Organization	Title
SPESS	1	Yiqiao Zou	China	Department of International Cooperation, National Energy Administration	Ex-Director
	2	Yuhui Song	China	Second Building Design Institute, China Construction Engineering Design Group Corporation Limited	Dean
	3	Qiang Gong	China	IOI (Xiamen) Properties Co., LTD.	Dr., Property Dept. & Design Division Head
	4	Song Zhang	China	Shunfeng Photovoltaic Investment(China)Co., LTD.	Assistant President
	5	Zhenlei Fang	China	Building Energy Conservation & Distributed Energy Division, China Construction Science & Technology Group Co.,Ltd	General Manager
	6	Sicong Zhang	China	China Academy of Building Research Strategy Center	Deputy Director
	7	Alon Abramson	China	University of Pennsylvania	Doctor
	8	Nanqing Jiang	China	United Nations Environment Programme	National Program Officer
	9	Liqiang Gao	China	Shijiazhuang Railway University	Associate Professor



	10	Cheng He	China	Huazhong Agricultural University	Lecturer
	11	Mautits Mantiri	Indonesia	Government of Bitung City	Deputy Mayor of Bitung City
	12	Ignatius Rudy Theno	Indonesia	Government of Bitung City	Head of Public Work Agency of Bitung City
	13	Rosmahwati Ishak	Malaysia	Department of Social Welfare	
	14	Fortunato S.Sibayan	The Philippines	Solar and Wind Energy Management Division (SWEMD)	Chief Science Research Specialist
	15	Riza G. Garcia	The Philippines	Technical Services and Management Division (TSMD) of the Renewable Energy Management Bureau (REMB) of the Department of Energy	Science Research Specialist
	16	Soottisak Singkul	Thailand	Department of Alternative Energy Development and Efficiency	Engineer
	17	Pichet Nuanual	Thailand	Department of Alternative Energy Development and Efficiency	Engineer
	18	Quang Giang Ta	Viet Nam	The Centre of Consultation and Education for Energy	Officer
	19	Quang Kien Ta	Viet Nam	International Cooperation Department, Ministry of Agriculture and Rural Development of Viet Nam	Official
CCT	20	Xiaoli Liu	China	The Energy Research Institute (ERI) of the National Development and Reform Commission (NDRC) of China	Deputy Director



	21	Alan Chaffee	Australia	Monash University	Professor
	22	Danielle Kennedy	Australia	Commonwealth Scientific and Industrial Research Organization	Senior Scientist
	23	Sang-Eon Park	Republic of Korea	Department of Chemistry, Inha University, South Korea	Professor
	24	Mark Christian Marollano	The Philippines	Power Planning and Development Division, Electric Power Industry Management Bureau, Department of Energy	Senior Science Research Specialist
	25	Khairul Anuar Mukhtar	Malaysia	Minister of Energy, Green Technology and Water	Assistant Secretary
	26	Beejee Dequina	The Philippines	Power Planning and Development Division (PPDD)	Science Research Specialist
	27	Shumkov Vitaly	Russia	Scientific and Technical Mining Association	Director
	28	Williams Eduardo Rebolledo Canales	Chile	Electrical System Planning Unit, Electrical Department, National Energy Commission	
Green Finance	29	Bin Hao	China	Shenzhen Institute of Building Research	Director
	30	Junfeng Li	China	National Center for Climate Change Strategy and International Cooperation (NCSC)	Director
	31	Lin Wan	China	APEC EGNRET	Chinese Representative



	32	Pengcheng Sun	China	China State Construction Technical Center	Professor
	33	Yiyang Shen	China	Asian Development Bank	Energy Consultant
	34	Jie Tang	China	Harbin Institute of Technology	Professor
	35	Fang Li	China	Modern Land (China) Co. Ltd	Head of Financial Planning and Strategic Planning
	36	Jie Li	China	CECEP Consulting Co., Ltd.	Vice president
	37	Media Riski Fauziah	Indonesia	Ministry of Energy and Mineral Resources Republic of Indonesia	Analyst of Energy Conservation Directorate General of Energy Conservation Directorate General of New, Renewable Energy and Energy Conservation
	38	Nur Ayuni binti Zolkifl	Malaysia	Minister of Energy, Green Technology and Water	Assistant Secretary
	39	Dato' Leong Kin Mun	Malaysia	Malaysia Biomass Industries Confederation (MBIC)	President
	40	Sutthasini Glawgitigul	Thailand	Department of Alternative Energy Development and Efficiency (DEDE)	Senior Professional Scientist
	41	José Miguel García Benavente	Chile	CHILECTRA (Enel Group)	Regulatory Affairs Analyst



Energy Storage	42	Haisheng Liu	China	Institute of Engineering Thermophysics, Chinese Academy of Sciences	Deputy Director
	43	Jian Liu	China	Energy Research Institute National Development And Reform Commission, China National Renewable Energy Centre	Researcher
	44	You Zhou	China	National Institute of Clean-and-Low-Carbon Energy	Member of the National "Thousand-Talents Program", R&D Manager for energy intelligence system group
	45	Cristiano Marantes	New Zealand	Vector Limited, NZ	Head of Engineering
	46	Eric Ka-wai Cheng	Hong Kong, China	The Hong Kong Polytechnic University	Professor
	47	Igor Skryabin	Australia	ANU Energy Change Institute	Business Development Manager
	48	Shangqing Qiu	China	Shanghai Electric Power Design Institute CO.,LTD	Director of Overseas Business Department
	49	Jie Zeng	China	Guangdong Power Grid Electric Power Science Research Institute	Deputy Dead of Energy Storage Research Group 2
	50	Gaspar G. Escobar	The Philippines	Department of Energy-Renewable Energy Management Bureau	Division Chief
	51	Alexis Matel D. Carlos	The Philippines	Department of Energy-Renewable Energy Management Bureau	Senior Science Research Specialist
52	Peeraya Siriput	Thailand	Department of Alternative Energy Development and Efficiency	Scientist Senior Level	



	53	Pornpan Chanapiwat	Thailand	Department of Alternative Energy Development and Efficiency	Scientist Professional Level
	54	Paul Wong Kok Kiong	Malaysia	Green technology Sector, Ministry of Energy, Green Technology and Water, Malaysia	Under Secretary (Policy)
	55	José Gregorio Carrasco Benavides	Chile	National Energy Commission	Head of Electricity Markets, Electrical Department
	56	Filippo Gentili Aguilera	Chile	Chilean Electricity Company (CHILECTRA)	Responsible for regulatory information
Solar Building	57	Shaojun Zeng	China	China New Energy Chamber of Commerce, All-China Federation of Industry and Commerce (ACFIC)	Secretary General
	58	Huang Zhou	China	China Wisdom & Technology Co., Ltd / Beijing Guanding Investment Mangement Co., Ltd	Chairman
	59	Dong Wang	China	International Academy of Low Carbon Development (Shenzhen, China)	Dean
	60	Chung-Hsien Chen	Chinese Taipei	Energy Technology Div. Bureau of Energy, Ministry of Economic Affairs, Chinese Taipei	Chair of EGNRET; Senior Technical Specialist
	61	Totok Sulistiyanto Wardoyo	Indonesia	PT. Narama Mandiri (Mechanical, Electrical and Energy Consultant)	Director



	62	Khumthorn Nawalerpanya	Thailand	Department of Alternative Energy Development and Efficiency	Scientist
	63	Cristina Risco Arias	Chile	National Energy Commission	Professional of Department of Economic Regulation
	64	Ellissa Corniella Ahmad	Malaysia	Ministry of Energy, Green Technology and Water	Assistant Secretary



The 2nd Asia-Pacific Energy Sustainable Development Forum

The Final APEC Workshop on Developing Solar-Powered Emergency Shelter Solutions
(EWG 22 2015A)

Workshop Dates: November 3-5, 2016

Forum Venue: St. Regis Tianjin Hotel, Tianjin, CHINA

Dates: Nov. 3-5, 2016

Address: 158 Zhangzizhong Rd, Heping, Tianjin, China

Website: WWW.STREGIS.COM/TIANJIN

Hotel Tel.: +86(22) 5830 9999

Day 1 (Nov. 3, Thursday)

8:30-9:00	Registration	
9:00-9:30	Opening Remarks Chair by Yuan Yingjin, Vice Present, Tianjin University	
	Deputy Administrator, National Energy Administration (NEA)	
	EWG Lead Shepherd	
	Secretary of the Party committee, Tianjin University (TJU)	
9:30-10:00	Appointment Ceremony for APSEC Advisory Board New Members Group Photo & Tea Break	
10:00-12:00	<p>Joint Workshop on Five APEC-Funded Projects (Plenary Speeches on the Five Topics to Energy Sustainability) Chair by Ma Xinbin, Prof./Dean, School of Chemical Engineering and Technology, Tianjin University</p> <ol style="list-style-type: none"> Cary Bloyd, Dr./Senior Staff Scientist, Electricity Infrastructure & Buildings Division, Pacific Northwest National Laboratory, USA Topic: Asia Pacific Economic Cooperation (APEC) Clean Energy Activities Chen Haisheng, Prof., Institute of Engineering Thermophysics, Chinese Academy of Science, China Topic: The Prospect of Energy Storage to Support Sustainable Energy Systems in China Danielle Kennedy, Dr./Senior Scientist, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Topic: CO2 Capture Technology Development in Australia 	The 2nd Steering Committee Meeting of APSEC (for Steering Committee members only)



	<p>4. Tang Jie, Deputy Mayor of Shenzheng, China Topic: Shenzhen Practices in Transformation Toward Green and Low-Carbon Development</p> <p>5. Li Junfeng, Director, National Center for Climate Change, China Topic: Climate Change and Energy Transition in China</p>	
12:00-14:00	Lunch Break	
14:00-14:10	Opening Remarks	
	Cary Bloyd, Doctor, Senior Staff Scientist, Electricity Infrastructure & Buildings Division, Pacific Northwest National Laboratory	
14:10-14:30	Progress Report of SPOSS	
	Li Zhu, Project PO / President, APSEC	
14:30-15:30	Presentation from Economy Representatives	
	Chair: Cary Bloyd	
	<p>1. Mautits Mantiri, Deputy Mayor of Bitung City, Indonesia Title: Developing Solar Power Shelter Solutions Between The Sustainable Cities At APEC Region</p>	
	<p>2. Shicong Zhang, Deputy Director, China Academy of Building Research Strategy Center, China Title: APEC Nearly/Net Zero Energy Building Trend</p>	
	<p>3. Rosmahwati Ishak, Department of Social Welfare Malaysia, Malaysia</p>	
15:30-16:00	Group Photo & Tea Break	
16:00-16:40	<p>4. Fortunato S. Sibayan, Chief Science Research Specialist, Solar and Wind Energy Management Division (SWEMD), Philippines</p>	
	<p>5. Soottisak Singkul, Department of Alternative Energy Development and Efficiency, Thailand Free Talk</p>	
	<p>6. Quang Kien Ta, Officer, The Centre of Consultation and Education for Energy, Viet Nam Title: Solar Energy Development: Policy Framework In Viet Nam</p>	
16:40-17:00	Group Discussion	
18:00-20:30	Banquet for the 2nd Anniversary of APSEC	

Day 2 (Nov.4, Friday)

Evening	
8:30-9:00	Registration



9:00-10:00	Presentations from Speakers Chair: Zhexing Yan, APSEC
	1. Cary Bloyd, Doctor, Senior Staff Scientist, Electricity Infrastructure & Buildings Division, Pacific Northwest National Laboratory Title: Asia Pacific Economic Cooperation (APEC) Energy Resiliency Task Force (ERTF)
	2. Song Zhang, Assistant President, Shunfeng Photovoltaic Investment(China)Co., LTD., China Title: Economic analysis & Risk assessment of Photovoltaic project
	3. Alon Abramson, Doctor, University of Pennsylvania, The United States Title: Knowledge Sharing to Accelerate Energy Conservation Action
10:00-10:30	Tea Break
10:30-12:00	Report and Discussion on SPEG Open Innovation Competition
	Report 1——Peru Team 1 Report 2——Peru Team 2 Discussion
12:00-14:00	Lunch Break
14:00-15:00	Presentations from Speakers Chair: Zhexing Yan, APSEC
	4. Yuhui Song, Dean, China Construction Engineering Design Group Corporation Limited, China Title:Low-Energy Consumption Architecture Design Of Auspicious Manor Exhibition Center
	5. Wei Tian, Professor, Tianjin University of Science and Technology, China Title: Uncertainty & Sensitivity Analysis Of Energy Performance For Green Buildings
	6. LEE SIEW EANG, Associate Professor, Department of Building, School of Design and Environment, National University of Singapore
15:00-15:30	Tea Break
15:30-17:00	Report and Discussion on SPEG Open Innovation Competition
	Report 1——Indonesia Team 1 Report 2——Indonesia Team 2 Discussion

Day 3 (Nov.5, Saturday)

9:00-12:00	Technical Visit
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The 2nd Asia-Pacific Energy Sustainable Development Forum
The APEC Workshop on Roadmap to Promote Transfer and Dissemination of
Clean Coal Technologies in APEC Region
(EWG 08 2015A)

WORKSHOP DATES: November 3-4, 2016

VENUE: The St. Regis Tianjin Hotel, Tianjin, China

Thursday, 3 November, 2016

Timeline	Activities	
8:00-9:00	Registration	
9:00-9:30	Opening Remarks	
	Deputy Administrator, National Energy Administration (NEA)	
	EWG Lead Shepherd	
9:30-10:00	President, Tianjin University (TJU)	
	Appointment Ceremony of Senior Consultants for APSEC Group Photo & Tea Break	
10:00-12:00	Plenary Speeches CO ₂ capture technology development in Australia, Dr. Danielle Kennedy, Australia	The 2nd Steering Committee Meeting of APSEC (for Steering Committee members only)
12:00-14:00	Lunch Break	
14:00-14:30	Progress Report of EWG 08 2015A	
Available Clean Coal Technologies, challenges and opportunities - Presentations from experts in/relevant to the field of clean coal technologies from China (I)		
14:30-15:00	The R&D on IGCC and CO ₂ Capture Dr. Shisen Xu, China Huaneng Clean Energy Research Institute	
15:00-15:30	Clean Power from High Efficiency Coal Combustion with Ultra-low Pollutant Emissions Dr. Ye Zhuang, Beijing Guodian longyuan EPC	
15:30-16:00	Tea Break	



16:00-16:30	Shenwu's Coal Cascade Utilization Technology: Open New Energy Utilization Time Dr. Lan Zhang, Shenwu Research Institute
16:30-17:00	Shenhua's Action: Clean Energy, Fuels and Chemicals from Coal Dr. Yulong Zhang, National Institute of Clean and Low-carbon Energy
17:00-17:30	Going to Large Scale Carbon Capture and Storage Projects in China Prof. Jinfeng Ma, Northwestern University
18:00-20:30	Banquet for the 2nd Anniversary of APSEC

Friday, 4 November, 2016

Timeline	Activities
	Available Clean Coal Technologies, challenges and opportunities -Presentations from experts in/relevant to the field of clean coal technologies from various APEC economies (II)
9:00-9:30	Value-added Chemicals with CO ₂ Prof. Sang-Eon Park, Republic of Korea
9:30-10:00	Clean Coal Technology for Future Power Generation Dr. Keiji Makino, Japan; Dr. Kensuke Saito, Japan
10:00-10:30	Tea Break



10:30-11:00	Heterogeneous Catalysis for Carbon Dioxide Conversion to Fuels Prof. Alan Chaffee, Australia
11:00-11:30	Coal in the Philippine Power Industry Dr. Mark Christian Marollano, The Philippines
12:00-14:00	Lunch Break
14:00-15:30	Discussion on Commercial and Policy drivers to Accelerate Exploitation of Clean Coal Technologies in the APEC Region
15:30-16:00	Tea Break
16:00-17:00	Discussion on other details about EWG 08 2015A – Recommendations and next steps for APEC CCT collaboration

Saturday, 5 November, 2016

Timeline	Activities
9:00-12:00	Technical Visit



The 2nd Asia-Pacific Energy Sustainable Development Forum

Green Financing Mechanisms for Sustainable Urbanization and Quality Infrastructure

Development in APEC Region

(EWG 09 2016A)

Workshop Dates: November 3-4, 2016

Forum Venue: St. Regis Tianjin Hotel, Tianjin, CHINA

Day 1: Thursday, Nov 3, 2016

Time	Activities			
8:00-9:00	Registration			
9:00-9:30	<p>Opening Remarks:</p> <p>Deputy Administrator, National Energy Administration (NEA)</p> <p>APEC EWG Lead Shepherd - Dr Chern Jyuung-Shiauu (Chinese Taipei)</p> <p>Secretary of the Party committee, Tianjin University- Li Jiajun</p>			
9:30-10:00	<p>Appointment Ceremony of Senior Consultants for APSEC</p> <p>Group Photo & Tea Break</p>			
10:00-12:00	Joint Workshop on Five APEC-Funded Projects			
	Speaker	Topic	Organization	Economy
	Cary Bloyd	Asia Pacific Economic Cooperation (APEC) Clean Energy Activities	Pacific Northwest National Laboratory	USA
	Chen Haisheng	The Prospect of Energy Storage to Support Sustainable Energy Systems in China	Institute of Engineering Thermophysics, Chinese Academy of Sciences	PRC
	Danielle Kennedy	CO2 Capture Technology Development in Australia	Commonwealth Scientific and Industrial Research Organisation	Australia
	Tang Jie	Shenzhen Practices in Transformation Toward Green and Low-Carbon Development	Deputy Mayor of Shenzhen	PRC
	Li Junfeng	Climate Change and Energy Transition in China	National Center for Climate Change Strategy and International Cooperation	PRC



Time	Activities
	The 2nd Steering Committee Meeting of APSEC
12:00-14:00	Lunch
APEC Funded Project Sub Forum Green Financing Mechanisms for Sustainable Urbanization and Quality Infrastructure Development in APEC Region (EWG 09 2016A)	
14:00-14:30	Opening Remarks Mr. Tang Jie, Deputy Mayor, City of Shenzhen Li Junfeng, Director, National Center for Climate Change Strategy and International Cooperation
14:30-14:50	EWG 09 2016A Progress Report Yao Yuan, EWG 09 2016A Project Overseer
14:50-15:10	A Global Initiative to Unlock the Potential of Efficiency and Renewable Energy Ms. Jiang Nanqing, Programme Management Officer, United Nations Environmental Programme (UNEP) China Office
15:10-15:30	Thailand's experience in Green financing policy, market readiness and lesson learned Ms. Sutthasini Glawgitigul, Senior Professional Scientist, Department of Alternative Energy Development and Efficiency (DEDE), Thailand
15:30-16:00	Tea Break
16:00-16:20	How to Apply Green Financing on Clean Energy Development in Asia and Pacific Region Mr. Shen Yiyang, Energy Consultant, Asian Development Bank
16:20-16:40	Green Finance and Green Industry Mr. Huo Zhonghe, President, CECEP Consulting Co. Ltd.
16:40-17:00	Introduction to Green Living Equity Investment Fund Mr. Li Fang, Head of Strategic Financing, Modern Land (China) Co. Ltd
17:00-17:30	Q&A
18:00-20:30	Banquet for the 2nd Anniversary of APSEC



Day 2, Friday Nov 4th

Time	Activities
8:40-9:00	Registration
9:00-9:20	PV & Energy Storage Investment in China Mr. Wan Lin, Chinese Representative, APEC EGNRET
9:20-9:40	Financing Case Studies for Green Projects Across the Globe and Malaysia Dato' Leong Kin Mun, President Malaysia Biomass Industries Confederation (MBIC), Malaysia
9:40-10:00	Green Financing Development in Indonesia Ms. Media Riski Fauziah, Analyst Ministry of Energy and Mineral Resources, Republic of Indonesia
10:00-10:20	The Development of Carbon Financing and Green Financing in China Ms. Lyu Fang, President Assistant, China Beijing Environment Exchange
10:20-10:40	Tea Break
10:40-11:00	Building Energy Conservation: Comparison and Roadmap Mr. Hao Bin, Director, Shenzhen Institute of Building Research
11:00-11:20	Green to Gold——Mobilize Green Finance to Support Energy Efficiency & Sustainable Energy Ms. Lei Fang, Product Manager, Industrial Bank Co. Ltd
11:20-11:40	Exploration in Green Finance For Passive Ultra-low Energy Consumption Buildings By CSCEC Mr. Sun Pengcheng, Professor, China State Construction Technical Center
11:40-12:00	Q&A
12:00-14:00	Lunch
14:00-17:00	Free Discussion



The 2nd Asia-Pacific Energy Sustainable Development Forum

**Seminar: Research on Energy Storage Technologies to Build
Sustainable Energy Systems in the APEC Region
(EWG 04 2016A)**

AGENDA

Organizer: China Energy Storage Alliance (CNESA)

Location: Tianjin, CHINA

Dates: Nov. 3-4, 2016

Day 1 (Nov. 3, Thursday)

8:00-9:00		Registration	
9:00-9:30	Opening Remarks		
	Deputy Administrator, National Energy Administration (NEA)		
	Director, Department of International Economic Affairs, Ministry of Foreign Affairs (MFA)		
	EWG Lead Shepherd		
9:30-10:00		Secretary of the Party committee, Tianjin University (TJU)	
9:30-10:00		Appointment Ceremony for APSEC Advisory Board New Members	
10:00-12:00		Group Photo & Tea Break	
10:00-12:00	Joint Workshop on Five APEC-Funded Projects		The 2nd Steering Committee Meeting of APSEC
	(Plenary Speeches on the Five Topics to Energy Sustainability)		
12:00-14:00		Lunch	
Opening Remarks			
14:00-14:10	Jing Zhang, Project Overseer/Secretary General, China Energy Storage Alliance, PR China		
14:10-14:30	Progress Report on Project EWG 04 2016A		



	Fen Yue, Project Coordinator, China Energy Storage Alliance, PR China
14:30-14:50	The Business Model and Case Study of Energy Storage Technology to Support Sustainable Energy Systems in the APEC Region Jiqiang Xu, CEO, Energy Storage Online (Beijing) Technology Co.,Ltd., PR China
14:50-15:20	Battery Storage Potentials in Malaysia Paul Wong Kok Kiong, Under Secretary (Policy), Green Technology Sector, Ministry of Energy, Green Technology and Water, Malaysia
15:20-15:50	Tea Break
15:50-16:20	Energy Storage: Delivering Customer Choice Cristiano Marantes, Head of Engineering, Vector Limited, New Zealand
16:20-16:50	Battery Management Systems for Energy Storage – Safety and Performance Eric Ka-wai Cheng, Professor, The Hong Kong Polytechnic University, PR China - Hong Kong
16:50-17:30	Discussion on How to Promote Energy Storage to Build Sustainable Energy Systems – Technological Solutions and Policy Solutions
18:00-20:30	Banquet for the 2nd Anniversary of APSEC

Day 2 (Nov.4, Friday)

8:30-9:00	Registration
9:00-10:30	Financial Benefits of Energy Storage Igor Skryabin, Business Development Manager, ANU Energy Change Institute, Australia
	Energy Storage for Sustainable Industrial Energy Applications You Zhou, Member of the National “Thousand-Talents Program,” R&D Manager for Energy Intelligence System Group, National Institute of Clean-and-Low-Carbon Energy, PR China
	Simulation Platform for Energy Storage and Its Applications in Microgrids Jie Zeng, Deputy Head of the Energy Storage Research Group, Guangdong Power



	Grid Electric Power Science Research Institute, PR China
10:30-10:50	Tea Break
10:50-12:00	Overview of U.S. DOE Office of Electricity Energy Storage Program and PNNL Efforts CARY N BLOYD, Senior Staff Scientist, Pacific Northwest National Laboratory (PNNL), The United States of America
	Challenges and Potential Models in the Financing of Energy Storage Projects Jin Yi, Executive Director, New Horizon Capital, PR China
	Huikang Wu, Director of Energy Storage, Trina Energy Storage Solutions (Jiangsu) Co., Ltd, PR China
	BYD Energy Storage System Introduction Qingchen Guo, Sales Manager, BYD Electric Power Research Institute, PR China
12:00-14:00	Lunch
14:00-15:30	Philippines Energy Storage Gaspar G. Escobar, Division Chief, Department Of Energy- Renewable Energy Management Bureau, Philippines
	Applications of Hybrid Energy Storage in Projects Shangqing Qiu, Director, Overseas Business Department, Shanghai Electric Power Design Institute Co., Ltd., PR China
	Electric Vehicle Application Potentials in Power System Demand Response and Energy Storage Jian Liu, Researcher, Energy Research Institute National Development And Reform Commission, China National Renewable Energy Centre, PR China
15:30-16:00	Tea Break
16:00-17:00	ABB BESS Substation Solution Introduction Dedi Li, Grid Integration Business Unit, ABB Power Grid Division, PR China
	McHenry, a Commercial BESS Project by EDF in the US Xingyan Niu, Team Manager, EDF (China) Holding Ltd., PR China
	Discussion
17:00	Closing Remarks



The 2nd Asia-Pacific Energy Sustainable Development Forum

The 1st APEC Workshop on Cost-Effective Renewable Energy-Supply Solutions Based on Innovative Solar Technologies to Promote Green Buildings (EWG 03 2016A)

WORKSHOP DATES: November 3-5, 2016

VENUE: The St. Regis Tianjin Hotel

No.158 Zhang Zizhong Road, He Ping District, Tianjin 300041, China

Website: WWW.STREGIS.COM/TIANJIN

Hotel Tel.: +86(22) 5830 9999

Day 1: Thursday, 3 November, 2016

Timeline	Activities
8:00-9:00	Registration
	Opening Remarks
9:00-9:30	Deputy Administrator, National Energy Administration (NEA)
	EWG Lead Shepherd
	Secretary of the Party committee, Tianjin University (TJU)
9:30-10:00	Appointment Ceremony for APSEC Advisory Board New Members
	Group Photo & Tea Break
	Plenary Speeches
10:00-12:00	1. Cary Bloyd, Dr./Senior Staff Scientist, Electricity Infrastructure & Buildings Division, Pacific Northwest National Laboratory, USA Topic: APEC Clean Energy Activities
	2. Chen Haisheng, Prof., Institute of Engineering Thermophysics, Chinese Academy of Science, China Topic: The Prospect of Energy Storage to Support Sustainable Energy Systems in China
	3. Danielle Kennedy, Dr./Senior Scientist, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Topic: CO2 Capture Technology Development in Australia
	4. Tang Jie, Deputy Mayor of Shenzheng, China
	The 2nd Steering Committee Meeting of APSEC (for Steering Committee members only)



	<p>Topic: Shenzhen Practices in Transformation Toward Green and Low-Carbon Development</p> <p>5. Li Junfeng, Director, National Center for Climate Change, China</p> <p>Topic: Climate Change and Energy Transition in China</p>
12:00-14:00	Lunch Break
14:00-14:10	<p>Opening Remarks</p> <p>Dr. Chung-Hsien CHEN, Chair of <i>New and Renewable Energy Technologies</i> Expert Groups (EGNRET)</p>
14:10-14:30	<p>Progress Report of APEC funded Project (EWG 03 2016A)</p> <p>Yong Sun, Project PO</p>
	<p>Presentation from Speakers & Economy Representatives</p> <p>(Chair: Dr. Chung-Hsien CHEN, Chair of EGNRET)</p>
14:30-14:50	<p>1. Pieter Jacobus Cornelis de Wilde, Professor, Plymouth University, UK</p> <p>Topic: Building energy studies: deeper challenges</p>
14:50-15:10	<p>2. Hong Zaisheng, Dean, Tianjin University Research Institute of Architectural Design & Urban Planning, China</p> <p>Topic: Low Carbon Sustainable Design & Practice of Tianjin University Research Institute of Architectural Design & Urban Planning (AATU)</p>
15:10-15:30	<p>3. Totok Sulistiyanto Wardoyo, Director, PT. Narama Mandiri (Mechanical, Electrical and Energy Consultant), Indonesia</p> <p>Topic: Green Building Movement and Implementation of Solar Technology in Greenship Rating Tools</p>
15:30-16:00	Group Photo & Tea Break
16:00-16:20	<p>4. Cheng-Nan Chu, Manager, Industry Promotion Department, Green Energy Initiative Division, Green Energy and Environment Research Laboratories, Industrial Technology Research Institute (ITRI), Chinese Taipei</p> <p>Topic: Renewable Energy Development in Chinese Taipei</p>



16:20-16:40	5. Cristina Risco Arias, Professional of Department of Economic Regulation, National Energy Commission. Chile Topic: Experience of Chile in The Renewable Projects
16:30-17:00	Discussion
18:00-20:30	Banquet for the 2nd Anniversary of APSEC

Day 2: Friday, 4 November, 2016

Timeline	Activities
8:30-9:00	Registration
	Presentations from Speakers & Economy Representatives (Chair: Dr. Zhou Huang, Director of Fund Division of China National Building Research Association)
9:00-9:20	1. Chung-Hsien CHEN, Chair of EGNRET & Senior Technical Specialist, Energy Technology Div. Bureau of Energy, Ministry of Economic Affairs. Chinese Taipei Topic: Next Steps toward Achieving Renewable Energy Goal in APEC region
9:20-9:40	2. Ellissa Corniella Ahmad, Assistant Secretary, Ministry of Energy, Green Technology and Water. Malaysia
9:40-10:00	3. Zeng Shaojun, Secretary general, China New Energy Chamber of Commerce, All-China Federation of Industry and Commerce (ACFIC). China Topic: New energy industry development status and its application in field of construction in China
10:00-10:30	Tea Break
10:30-10:50	4. Khumthorn Nawalertpanya, Scientist, Department of Alternative Energy Development and Efficiency. Thailand Topic: Free Talk
10:50-11:10	5. Jonathan Ochshorn, Prof., Department of Architecture, Cornell University. The United States Topic: Limitations of Green Building Rating Systems
11:10-12:00	Discussion



12:00-14:00	Lunch Break
	<p>Presentations from Speakers</p> <p>(Chair: Mr. Wang Dong, Dean of International Academy of Low Carbon Development (Shenzhen, China))</p>
14:00-14:30	<p>1. Hao Bin, Dr./Vice Chief Engineering, Shenzhen Institute of Building Research Co., Ltd. China</p> <p>Topic: Solar domestic hot water in green buildings--practice and reflection</p>
14:30-15:00	<p>2. Wang Dong, Dean, International Academy of Low Carbon Development (Shenzhen, China). China</p> <p>Topic: Shenzhen International Low Carbon City and Distributed Energy System Project</p>
15:00-15:30	Tea Break
15:30-16:00	<p>3. Zhou Huang, Dr./Director, Fund Division of China National Building Research Association, China</p> <p>Topic: Renewable energy supply - green building's renewable energy solutions</p>
16:00-16:30	<p>4. Fang Zhenlei, General Manager, Building Energy Conservation & Distributed Energy Division, China Construction Science & Technology Group Co., Ltd. China</p> <p>Topic: CSCEC strengthens the renewable energy businesss in green building</p>
16:30-17:00	Discussion

Day 3: Saturday, 5 November, 2016

Timeline	Activities
9:00-12:00	Technical Visit