

APPENDICES

GOVERNMENT AGENCIES GOVERNMENT LINKED COMPANIES AND GOVERNMENT SUPPLIERS/CONTRACTORS

DATE	EVENT
29-30 January	Workshop on Project Implementation for SCP-GGP Blueprint
17 April	Seminar on GGP for SIRIM Berhad
19 April	Seminar on GGP for Malaysia Productivity Corporation (MPC)
24 April	Seminar on GGP and MyHIJAU Mark for Telekom Malaysia
29-30 April	Seminar on GGP and LCC for Agensi Anti-Dadah Kebangsaan (AADK)
27 June	GGP Seminar for Perdana Digital Department, Prime Minister's Office
19 August	Seminar on Green Purchasing and Industry Development in Malaysia in collaboration with Ministry of Entrepreneur Development (MED) under the Vendor Development Programme (VDP)
12 September	Seminar on GGP for MCY 2019 companies and researchers
3 October	Seminar on GGP for Majlis Perbandaran Hang Tuah Jaya
2 October	3rd Expert Workshop on Sustainable Consumption and Production in Malaysia 2019 (LESTARI UKM)
16 October	Seminar on GGP for FMM Conference on Love Malaysia, Buy Made in Malaysia: Understanding Malaysian Government Procurement
17 October	Seminar on GGP for Lembaga Kenaf dan Tembakau Negara under Program Kenaf Industrial Programme
21 October	Seminar on GGP for Local R&D Products Development in the Government Sector
11 November	GGP Works Initiation Workshop, Sustainable Consumption and Production (SCP) – GGP Project at Pulse Grande Hotel, Putrajaya
13 November	Seminar on Green Purchasing and Industry Development in Malaysia (Malaysia Association of Cleaning Contractors)

DIAMOND RECOGNITION

Local Authority Name	Low Carbon Zone	Baseline (tCO ₂ e)	Audit (tCO ₂ e)	Reduction (tCO ₂ e)	%	Energy (&)	Water (%)	Waste (%)	Mobility (%)	Sequestration (tCO ₂)
Majlis Perbandaran Manjung	Markas Pangkalan Lumut	56,908.95	55,513.65	1,395.30	2.5	2.57	0.45	0	8.51	6,159.00
Majlis Bandaraya Shah Alam	Pusat Bandar Seksyen 14, Shah Alam	60,502.73	53,3668.74	7,133.99	11.79	9.35	10.31	24.15	42.85	6,462.40
Majlis Perbandaran Sepang	Cyber 1	7,858.46	5,210.90	2,647.56	33.69	39.18	-60.18	19.38	38.11	3,133.51
Majlis Perbandaran Pasir Gudang	LC Zone 1 Pasir Gudang	234,402.15	217,939.31	16,462.84	7.02	7.15	1.81	5.56	-	1,935.83
Majlis Bandaraya Pulau Pinang	Tanjung Pinang Straits Quay	-	5,967.63	171.86	2.80	-6.36	-4.21	11	-	157.64
Majlis Daerah Hulu Langat	Bandar Kuala Kubu Bahru	7,271.55	7,062.74	208.81	2.87	3.90	-12.05	11.91	-	30.00
Perbadanan Putrajaya	Presint 1, Putrajaya	80,603.37	64,366.60	16,236.77	20.14	2158	41.04	3.94	-	1,077.75
Majlis Perbandaran Langkawi	Kawasan Bandar Kuah	4,445.14	3,499.31	945.83	21.28	-	5.99	33.71	-	995.45
Majlis Perbandaran Hang Tuah	MITC	18,308.81	16,623.43	1,685.39	9.21	9.55	-34.46	-	-	1,408.89
Majlis Perbandaran Kajang	Pusat Bandar, Bandar Baru Bangi	1,876.88	1,059.45	817.43	43.55	-	-	43.55	-	71.73
	Total tCO₂	478,317.53	430,611.76	47,705.78						

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LIST OF PRODUCT GROUPS UNDER GGP

No.	GGP PRODUCTS
PG-01	ICT Equipment
PG-02	Paint & Coating
PG-03	Fibre Cement
PG-04	Energy Efficient Indoor Lighting
PG-05	Paper
PG-06	Textiles
PG-07	Furniture
PG-08	Multi Purpose Printer
PG-09	Air Conditioning System
PG-10	Biodegradable Packaging Products
PG-11	Water Efficient Appliances
PG-12	Rain Water Harvesting System
PG-13	Stationery (Paper Based Products)
PG-14	Rubber Based Products
PG-15	Cleaning Services
PG-16	Green Data Centre Services
PG-17	Building Facilities Management Services
PG-18	Automotive Workshop Services
PG-19	Paper Based Printing Services
PG-20	Hotel, Logistic & Training Services

MOU/MOA FORGED DURING IGED 2019

No	MOU/MOA
1.	LCC 2030 Challenge MoU between MGTC and CDP Worldwide (UK)
2.	LCC 2030 Challenge MoU between MGTC and (MIP, PAM, IEM, MGBC, ACEM, MAESCO, MASHRA)
3.	MoU between MGTC and AmBank Islamic
4.	MoU between MGTC and SHELL
5.	MoU between MBI Kedah – LADA – MGTC
6.	MoU between SEDA and University Technology Malaysia
7.	MoU between Plus Solar and UOB Malaysia
8.	MoA of Nano Malaysia
9.	MoU between Petronas and University Technology Petronas (UTP)
10.	MoU between Malaysia Marine and Heavy Engineering and University Technology Petronas (UTP)
11.	MoU between MGTC and KC Express Co. Ltd
12.	MoU between MGTC and Dentou PVM Sdn Bhd
13.	MoU between MGTC and HISG Group of National Taiwan University of Science and Technology
14.	MoU between MGTC and MTEA
15.	McDonalds Announcement with MIDA

MOU/MOA FORGED DURING IGEN 2019

No	MOU/MOA
16.	Supply Agreement Renewable Energy (SARE) between GSPARX and Tati University College
17.	Cypark – Petronas Chemical Group Berhad
18.	Cypark – MBI Kedah
19.	Cypark – Sungrow Floating Module & Tech Co Ltd
20.	Cypark – Risen Energy
21.	MoA between University Malaysia Kelantan (UMK) and I Mediceal Cosmeceutical (M)
22.	MoU between Efinity Social Enterprise and The Giving Bank Organisation
23.	MoU between Am Zaideen Ventures Sdn Bhd Malaysia (UTM) and Brainstorm Worldwide Inc Japan
24.	MoU between Techkem Utilities Sdn Bhd and David Bromley Engineering Ltd (DBE)
11 OCTOBER 2019	
25.	Collaboration Agreement (on training programme) between MGTC and AFTA Tour Sdn Bhd (AFTA Tour)
26.	MoU between MGTC and UiTM

NEA 2019 WINNERS LIST

CATEGORY 1: ENERGY EFFICIENCY

SUB-CATEGORY	WINNERS	RUNNERS-UP
Energy Management in Large Building	Menara Komtar Pulau Pinang	Hospital Slim River, Perak
Energy Management in Small Building	Menara TM, MITC, Melaka	Wisma TNB Jalan Anson, Pulau Pinang
Energy Management in Large Industry	CSC Steel Sdn Bhd, Melaka	TG Medical Sdn Bhd (Factory 14), Selangor
Energy Management in Small Industry	No winner	No Runner-Up
Green Building	Environmental Preservation and Innovation Centre (EPIC), Negeri Sembilan	IKEA Cheras, Kuala Lumpur
Retrofitted Building	No winner	Subang Parade Mall, Selangor
Energy Efficient Design	KLIA 2, Sepang	Paramit Factory in the Forest, Pulau Pinang

CATEGORY 2: RENEWABLE ENERGY

SUB-CATEGORY	WINNERS	RUNNERS-UP
National Grid	Cypark Resource Sdn Bhd	Mattan Engineering Sdn Bhd
Local-Grid	FGV Palm Industries Sdn Bhd	No Runner-Up
Off-Grid (Power)	No winner	Universiti Malaysia Sarawak
Off-Grid (Thermal)	No winner	No Runner-Up

APPENDICES

ASEAN ENERGY AWARDS 2019

CATEGORY		OUTCOME	COMPANY NAME
Green Buildings Awards 2019	Small & Medium Building	Winner	Environmental Preservation and Innovation Centre (EPIC)
	Large Building	Winner	IKEA Cheras
Energy Management for Buildings & Industry Awards 2019	Small & Medium Building	1st Runner-up	Wisma TNB Penang
		2nd Runner-up	Melaka TM Tower
	Large Building	2nd Runner-up	KOMTAR Penang
	Small & Medium Industry	2nd Runner-up	Idaman Pharma Manufacturing Sdn. Bhd.
	Large Industry	2nd Runner-up	CSC Steel Sdn Bhd
Energy Efficient Building Awards 2019	New and Existing Building	1st Runner-up	Kuala Lumpur International Airport (KLIA) 2
		1st Runner-up	Paramit Factory in the Forest
	Retrofitted Building	1st Runner-up	Subang Parade Mall
Renewable Energy Awards 2019	Off-Grid – Power Category	Winner	Development of Micro Hydro Project For Kampung Assum, Padawan, Sarawak
		1st Runner-up	Sarawak Alternative Rural Electrification Scheme (SARES)
	On-Grid – National Grid	1st Runner-up	Building Integrated Solar PV with Agriculture and Aquaculture Activities (Mushroom Farm and Fish Farming) Solar Project (1MWp) to TNB 11 Kv Distributions in Chembong, Negeri Sembilan
	On-Grid – Local Grid	2nd Runner-up	Rural Electrification from Renewable Energy Biogas for UMAS Community
	Special Submission	Winner	Compressed Bio-natural Gas (CBG) for Green Mobility and Power Generation in Oil Palm Industry
Coal Awards 2019	Power Generation – Large Scale	1st Runner-up	TNB M5 Sharing of Best Practices in Clean Coal Use and Technology Innovations

GLOSSARY

NO.	ABBREVIATIONS	FULL TERMS
1.	AADK	Agensi Anti-Dadah Kebangsaan
2.	ABMB	Alliance Bank Malaysia Berhad
3.	ACE	ASEAN Centre for Energy
4.	ACEM	Association of Consulting Engineers Malaysia
5.	Advance SCP	Advancing and Measuring Sustainable Consumption and Production
6.	AEA	ASEAN Energy Awards
7.	AEMAS	ASEAN Energy Management Scheme
8.	AFTA	Asian Free Trade Area
9.	APEC	Asia-Pacific Economic Cooperation
10.	ASB	Nail It, Scale It, Sail It
11.	ASB-MIT	Asia School of Business-MIT Sloan School of Management
12.	ASEAN	Association of Southeast Asian Nations
13.	BIOGEN	Biomass Power Generation and Co-Generation
14.	BEI	Building Energy Index
15.	BESC	Blockchain Energy Savings Consortium
16.	BIPV	Building-integrated photovoltaics
17.	BOD	Board of Directors
18.	B2B	Business-to-Business
19.	B2C	Business-to-Consumer
20.	B2G	Business-to-Government
21.	CDP	Continuous Data Protection
22.	CDP	Carbon Disclosure Project – UK

NO.	ABBREVIATIONS	FULL TERMS
23.	CEA	Certified Energy Auditor
24.	CEM	Certified Energy Manager
25.	CEO	Chief Executive Officer
26.	COO	Chief Operating Officer
27.	CLP	Climate Launchpad
28.	CO ₂ /CO _{2e}	Carbon Dioxide
29.	CPMV	Certified Professional in Measurement and Verification
30.	DBE	David Bromley Engineering Ltd.
31.	DBKL	Dewan Bandaraya Kuala Lumpur
32.	DOE	Department of Energy
33.	EACG	Energy Audit Conditional Grant
34.	EC	Energy Commission
35.	EE	Energy Efficiency
36.	EELCT	Energy Efficient Low Carbon Transport
37.	EMEER	Efficient Management of Electrical Energy Regulations
38.	EMGS	Energy Management Gold Standard
39.	EMT	Energy Management Training
40.	EMTC	Energy Manager Training Course
41.	EnMS	Energy Management System
42.	EPA	Environmental Protection Agency
43.	EPC	Energy Performance Contracts
44.	EPU	Economic Planning Unit

GLOSSARY

NO.	ABBREVIATIONS	FULL TERMS
45.	ESCO	Energy Service Companies
46.	EV	Electric Vehicle
47.	EXPO	Exposition, Large-Scale Public Exhibition
48.	FDI	Foreign Direct Investment
49.	FGD	Focus Group Discussion
50.	FMM	Federation of Malaysian Manufacturers
51.	FTA	Free Trade Area
52.	GAH 2020	Karnival Gaya Hidup Hijau 2020
53.	GAP	Green Advisory Programme
54.	GCOM	Global Covenant of Mayors
55.	GDP	Gross Domestic Product
56.	GEF	Global Environment Facility
57.	GEO	Green Energy Office
58.	GGP	Government Green Procurement
59.	GHG	Greenhouse Gases
60.	GITA	Green Investment Tax Allowance
61.	GITE	Green Income Tax Exemption
62.	GIZ	Gesellschaft für Internationale Zusammenarbeit
63.	GMBH	Gesellschaft Mit Beschränkter
64.	GMC	Green Minds Challenge
65.	GT	Green Technology
66.	GTFS	Green Technology Financing Scheme

NO.	ABBREVIATIONS	FULL TERMS
67.	GTMA	Green Tech Malaysia Alliances Sdn. Bhd.
68.	GTMC	Global Technology and Management Consultancy
69.	GTMP	Green Technology Mater Plan
70.	GTNP	Green Technology National Policy
71.	GTYIC	Green Tech Youth Innovation Challenge
72.	GWh	Gigawatt Hours
73.	Hons	Honours
74.	HWDE	Have We Done Enough to Save Energy Bills
75.	ICLEI	International Council for Local Environmental Initiatives
76.	ICT	Information and Communication Technology
77.	IEM	The Institution of Engineers, Malaysia
78.	IESBA	The International Ethics Standards Board for Accountants
79.	IGEM	International Greentech & Eco Products Exhibition & Conference Malaysia
80.	IJN	Institut Jantung Negara
81.	IMIEV	Mitsubishi Innovative Electric Vehicle
82.	INSP	International Sourcing Programme
83.	INTAN	Institut Tadbiran Awam Negara / National Institute of Public Administration
84.	I&C	Information & Computation
85.	IP	Internet Protocol
86.	IUSGBC	International Urban Sustainability Green Building Conference

NO.	ABBREVIATIONS	FULL TERMS
87.	IVLP	International Visitor Leadership Programme
88.	JPA	Johor Port Authority
89.	JTA	Journey to Astana
90.	KASA	Kementerian Alam Sekitar dan Air / Ministry of Environment and Water
91.	keTSA	Ministry of Energy and Natural Resources
92.	KeTTHA	Ministry of Energy, Green Technology and Water
93.	Kloth	Kloth Malaysia Sdn Bhd
94.	KLEFF	Kuala Lumpur Eco Film Festival
95.	KPI	Key Performance Indicators
96.	LADA	Lembaga Pembangunan Langkawi
97.	LCC	Low-Carbon Cities
98.	LCC2030Challenge	Low-Carbon Cities 2030 Challenge
99.	LCCF	Low-Carbon Cities Framework
100.	LCCMP	Low-Carbon Cities Master Plan
101.	LCMB	Low-Carbon Mobility Blueprint
102.	LED	Light-Emitting Diode
103.	LLB	Literally Legum Baccalaureus
104.	LLP	Limited Liability Partnerships
105.	LRT	Light Rail Transit
106.	M&V	Measurement and Verification
107.	MAESCO	Malaysia Association of Energy Service Companies
108.	MaGIC	Malaysian Global Innovation and Creativity Centre

NO.	ABBREVIATIONS	FULL TERMS
109.	MalaysiaGBC	Malaysia Green Building Council
110.	MARA	Majlis Amanah Rakyat
111.	MASB	Malaysian Accounting Standards Board
112.	MBA	Master or Business Administration
113.	MBI Kedah	Menteri Besar Kedah Incorporated / Perbadanan Menteri Besar Kedah
114.	MBPIV	Malaysian Building Integrated Photovoltaic Technology Application
115.	MBSA	Majlis Bandaraya Shah Alam
116.	MCS	Modulation and Coding Scheme
117.	MCY	Malaysia Commercialisation Year
118.	MDBC	Malaysian Dutch Business Council
119.	MED	Ministry of Entrepreneur Development
120.	MESI	Malaysia Electricity Supply Industry 2.0
121.	MESTECC	Ministry of Energy, Science, Technology, Environment & Climate Change
122.	MEXCOE	Ministers of the Environment and the Members of the Council of Governments
123.	MFRS	Malaysian Financial Reporting Standards
124.	MGATS	Malaysia Green Attribute Tracking System
125.	MGBC	Malaysia Green Building Council
126.	MGTC	Malaysian Green Technology Corporation
127.	MICCI	Malaysian International Chamber of Commerce & Industry

GLOSSARY

NO.	ABBREVIATIONS	FULL TERMS
128.	MIDA	Malaysian Investment Development Authority
129.	MIP	Malaysian Institute of Planners
130.	MISA	MDBC Innovation and Sustainability Awards
131.	MITC	Melaka International Trade Centre
132.	MITI	Ministry of International Trade and Industry
133.	MoA	Ministry of Agriculture & Food Industries / Kementerian Pertanian & Industri Makanan
134.	MOF	Ministry of Finance
135.	MoHE	Ministry of Higher Education
136.	MOSTI	Ministry of Science, Technology and Innovation
137.	MoU	Memorandum of Understanding
138.	MPC	Malaysia Productivity Corporation
139.	MPSJ	Majlis Perbandaran Subang Jaya
140.	MPSP	Seberang Perai City Council
141.	MRT	Mass Rapid Transit
142.	MTEA	Malaysian Taiwan Economic Association
143.	MTHPI	National Council on Green Technology and Climate Change
144.	MTPIN	Majlis Tindakan Perubahan Iklim Negara
145.	NEA	National Energy Awards
146.	NGO	Non-Governmental Organisation
147.	NGTP	National Green Technology Policy
148.	NLPTMP	National Land Public Transport Master Plan

NO.	ABBREVIATIONS	FULL TERMS
149.	NSW	New South Wales
150.	Of MESTECC	Meeting of the Minister
151.	PAIP	Pengurusan Air Pahang Berhad
152.	P2P	Peer-to-Peer
153.	PAM	Malaysian Institute of Architects / Pertubuhan Arkitek Malaysia
154.	PBT	Pihak Berkuasa Tempatan
155.	PDRM	Polis Diraja Malaysia
156.	PEFC	Programme for the Endorsement of Forest Certification
157.	PEX	Cross-linked Polyethylene
158.	PGP	Private Green Procurement
159.	PHD	Doctor of Philosophy
160.	PHEV	Plug-in-Hybrid Electric Vehicles
161.	POME	Palm Oil Mill Effluent
162.	PTM	Pusat Tenaga Malaysia
163.	PTM ZEO	Pusat Tenaga Malaysia Zero Energy Office
164.	PV	Photovoltaic
165.	RCEP	Regional Comprehensive Economic Partnership
166.	RE	Renewable Energy
167.	REEMs	Registered Electrical Energy Managers
168.	R&D	Research & Development
169.	RNR	Kawasan Rehat & Rawat
170.	RSA	Rest and Service Area

NO.	ABBREVIATIONS	FULL TERMS
171.	SA	Sales Assistance
172.	SARE	Supply Agreement Renewable Energy
173.	SCP	Sustainable Consumption and Production
174.	SD	Sustainable Development
175.	SDGs	Sustainable Development Goals
176.	SEDA	Sustainable Energy Development Authority
177.	SEMS	Sustainable Energy Management System
178.	SIA	Sustainable Innovation Awards
179.	SIRIM	Standard and Industrial Research Institute of Malaysia
180.	SME	Small and Medium Enterprises
181.	SMI	Small Medium Industry
182.	SMK	Sekolah Menengah Kebangsaan
183.	ST	Suruhanjaya Tenaga
184.	SWOT	Strength, Weakness, Opportunity and Threat
185.	tCO ₂	Total Carbon Dioxide
186.	tCO ₂ e	Total Carbon Dioxide Equivalent
187.	TLDM	Tentera Laut Di Raja Malaysia
188.	TNB	Tenaga Nasional Berhad
189.	TNBES	TNB Energy Services Sdn Bhd
190.	UAE	United Arab Emirates
191.	UiTM	Universiti Teknologi Mara

NO.	ABBREVIATIONS	FULL TERMS
192.	UKPACT	United Kingdom Partnering for Accelerated Climate Transitions
193.	UKM	Universiti Kebangsaan Malaysia
194.	UMK	Universiti Malaysia Kelantan
195.	UN	United Nations
196.	UNCLOS	United Nations Conventions for The Law of The Sea
197.	UNEP	United Nations Environment Programme
198.	UNESCO	The United Nations Educational, Scientific and Cultural Organisation
199.	UNIDO	United Nations Industrial Development Organisation
200.	UNSW	The University of New South Wales
201.	UOB Malaysia	United Overseas Bank
202.	UPEN	Unit Perancangan Ekonomi Negara
203.	US EPA	United States Environmental Protection Agency
204.	UTM	Universiti Teknologi Malaysia
205.	UTP	University Technology Petronas
206.	VDP	Vendor Development Programme
207.	VSS	Voluntary Sustainable Scheme
208.	WTO	World Trade Organisation
209.	YaHijau	Yayasan Hijau Malaysia
210.	YBM	Yang Berhormat Mulia
211.	YDP	Yang Di Pertua