

Daily System Generation Summary on Saturday

Saturday, May 16, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	17,806 MW
Total Co-Gen	0 MW
Total System	23,151 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,242	2.99 %
Gas	38,371	11.20 %
Total TNB	48,613	14.19 %
ST-Coal	213,422	62.29 %
LSS	2,035	0.59 %
Gas	78,494	22.91 %
Total IPP	293,951	85.79 %
Co-Gen	193	0.06 %
Total Co-Gen	193	0.06 %
Total Generation	342,757	100.03 %
PLTG	806	0.24 %
HVDC	-697	-0.20 %
Interconnection	109	0.03 %
Net Energy	342,648	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	17,820 MW
TNB Generation	1,816 MW
IPP Generation	13,610 MW
Spinning Reserve	2,383 MW
Maximum Demand	15,455 MW
Net Energy	342,648 MWH
Load Factor	92.38 %

Fuel Cost

Total Cost:	54,137,858.38 RM
Cost per Unit	15.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	447
Hydro	352
Syncon	1,078
Thermal	212
Total	2,089

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	216
Total TNB	266
CBPS	54
KLPP	100
NPRI	81
PGLA	111
PLPS	76
SKSP	51
YPKA	8
Total IPP	480
Total Gas	746
Total Gas Required	746

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	15455	14753	14040	13754	13402	13228	13076	12509	12247	13250	13989	14461	14569	14481	14984	15198	15195	14764	14461	14512	15080	15271	15070	14832

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 11:29:46 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
JMAH	U002	696	694	693	695	693	694	694	695	692	695	694	694	693	695	692	694	693	693	695	693	696	693	698	693	691	695	694	693	697	693	692	694	695	692	694	695												
JMHE	U001	974	972	306	332	330	332	331	332	342	342	347	349	349	343	345	352	345	348	349	350	348	349	351	347	350	349	348	352	402	401	510	548	549	550	550	552	550											
JMHE	U002	979	979	983	979	979	982	777	781	782	781	780	783	782	782	779	780	781	780	781	780	911	930	931	930	927	930	928	931	942	950	951	951	950	951	944	950	950	948	952	950	949	946	951	950	950	951	950	
JMJG	U001	674	673	668	671	671	668	671	674	669	677	672	672	670	672	672	672	671	672	672	669	671	673	674	671	671	670	672	667	673	670	673	672	674	673	677	673	672	666	671	671	669	673	671	677	667	671	671	
JMJG	U002	670	675	677	668	671	673	668	671	673	672	668	675	673	667	642	647	645	646	649	647	645	651	644	652	647	652	674	678	678	673	680	683	672	677	679	677	677	675	678	678	677	678	678	675	673	678	676	
JMJG	U003	675	669	668	673	660	668	665	667	668	662	671	666	672	666	670	668	672	665	662	671	664	671	666	668	667	669	670	666	667	670	668	672	666	667	668	667	668	661	671	666	662	670	665	668	667	665	668	
JMJG	U004	900	898	900	900	897	898	828	787	786	788	787	787	787	788	787	788	787	787	787	876	902	901	900	900	900	904	902	905	900	900	900	903	903	903	904	902	901	901	900	902	902	903	900	903	898	897	898	898
PKLG	U003	282	281	282	280	284	281	281	282	283	281	281	281	281	201	214	209	208	227	276	280	282	281	282	281	282	281	282	283	283	282	281	280	280	281	282	284	281	281	282	283	280	282	281	285	280	283	282	
PKLG	U004	276	281	280	280	280	285	281	279	281	280	282	280	281	279	280	278	279	280	280	280	280	280	281	280	281	277	277	282	282	280	282	280	280	282	281	281	276	280	279	279	276	274	279	281	279	281	281	
PKLG	U005	467	466	467	467	468	467	467	467	466	468	468	467	467	466	466	466	461	462	467	468	465	466	464	467	469	467	468	467	467	468	467	467	468	470	469	467	466	468	470	466	466	466	468	466	467	464	468	
PKLG	U006	268	266	214	139	114	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBIN	U001	689	690	691	651	652	648	651	650	690	686	690	689	686	688	690	691	692	692	690	689	689	690	691	692	692	690	671	688	687	690	689	688	689	689	689	690	690	648	692	690	689	689	688	691	689	692	692	690
TBIN	U002	693	690	692	695	692	656	653	653	678	692	692	693	698	694	692	695	694	691	693	695	694	692	695	694	694	691	694	695	691	695	694	691	695	698	692	694	696	692	694	693	691	694	697	694	695	694	696	693
TBIN	U003	692	690	687	688	688	688	690	690	691	692	689	689	691	692	693	657	654	683	693	690	690	691	690	687	690	691	692	692	691	689	690	691	690	690	691	692	692	690	691	691	689	691	690	691	694	691	691	691
TBIN	U004	983	983	983	983	983	983	983	835	783	782	783	783	782	782	782	782	783	781	802	897	933	932	933	932	933	934	932	932	947	954	955	952	953	953	954	953	953	952	952	952	952	952	952	952	952	952		
Total ST-Coal		9918	9907	9191	9101	9062	8990	8640	8463	8486	8492	8504	8510	8514	8414	8407	8379	8364	8404	8498	8687	8869	8901	8896	8894	8898	8899	8904	8938	8939	8965	8968	8981	8968	8976	8971	8978	8968	8921	8955	9026	9015	9110	9157	9166	9172	9154	9168	9165
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	360	362	361	362	362	362	369	362	362	362	362	362	361	223	221	365	365	358	365	365	362	362	362	357	358	358	356	356	357	357	357	357	365	357	363	377	377	363	363	364	371	364	367	365	365	368	368	
GLGR	GT01	68	68	68	68	68	105	105	105	105	105	105	68	68	68	68	68	68	68	68	68	102	102	102	102	84	83	101	101	101	101	101	101	101	80	80	80	80	80	85	100	100	80	68	68	68	68		
GLGR	GT02	68	68	68	68	68	104	104	104	104	104	104	68	68	68	68	68	68	68	68	68	102	102	102	102	83	83	102	102	102	102	102	102	102	80	80	80	80	80	85	100	100	80	68	68	68	68		
GLGR	ST1C	71	70	70	70	70	96	96	96	96	96	96	70	70	70	70	70	70	70	70	70	91	91	91	91	87	87	91	91	91	91	91	91	91	60	60	50	50	50	80	80	90	70	70	70	70			
KLPP	GT13	138	138	138	137	137	137	137	137	136	136	94	71	69	68	68	73	113	113	109	112	135	135	137	133	138	136	136	136	136	137	141	141	142	142	141	140	141	141	142	142	143	143	142	142	142	138		
KLPP	GT14	141	0	0	0	0	0	0	0	0	0	0	0	0	0	17	61	145	117	152	152	155	144	150	154	154	154	154	155	159	161	161	161	161	161	161	161	161	161	160	161	162	157	158	157	157	70		
KLPP	GT15	157	157	157	155	155	155	155	154	154	156	156	123	85	82	83	84	88	117	121	117	119	154	153	152	145	153	152	153	152	151	152	156	160	160	160	160	160	159	159	160	160	160	162	162	161	157		
KLPP	ST17	202	136	135	133	133	133	133	133	133	132	132	115	90	89	86	87	90	118	122	185	185	205	201	205	197	201	201	201	203	203	200	200	209	209	207	207	211	211	208	208	208	208	208	209	209	207	189	
NPRI	BLK1	515	390	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
NPRI	BLK2	516	517	521	515	515	520	517	523	517	517	513	523	514	511	512	512	518	515	527	518	525	518	514	517	512	509	507	512	509	515	518	511	514	518	502	523	511	513	510	509	514	514	507	520	515	514	517	518
PCGP	PGRG	453	452	438	401	402	401	416	400	405	452	502	502	455	452	402	403	408	407	405	395	403	431	457	512	504	431	380	444	446	488	486	483	453	453	410	386	393	388	384	429	454	455	462	473	473	471	472	478
PGLA	GT11	167	180	214	197	167	181	216	206	214	208	169	167	214	196	188	187	185	165	178	173	209	213	215	213	195	206	211	213	213	214	213	209	221	220	216	221	190	203	206	215	217	218	215	217	217	217	220	
PGLA	GT12	190	204	240	222	191	204	242	229	239	235	191	191	239	219	211	212	210	189	202	197	236	238	241	240	219	230	238	239	239	238	238	233	244	244	240	244	214	228	232	240	242	242	236	242	243	242	244	
PGLA	ST10	202	209	236	215	203	222	238	234	221	235	205	200	233	230	206	216	205	204	210	216	226	237	232	237	230	232	232	237	237	237</																		

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY02	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	63	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	65	65	65	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY02	24	24	24	24	23	23	24	24	24	23	23	24	24	23	38	38	38	38	38	38	21	21	22	22
KNYR	HY01	-1	-1	59	100	100	100	62	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	100	99	100
KNYR	HY02	-1	-1	61	100	100	100	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	100	99	100
KNYR	HY03	66	66	100	77	66	66	100	82	76	71	67	63	88	69	71	66	74	71	72	64	86	72	68	71
LPIA	HY01	20	20	20	20	20	20	18	18	18	18	18	18	14	16	18	19	19	19	19	18	18	18	18	16
LPIA	HY02	20	20	20	20	18	18	18	18	18	18	18	18	12	12	12	12	12	12	12	12	18	16	21	21
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	9	9
PGAU	HY01	-1	-1	19	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	18	19	18	18	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	20	20	21	21	21	22	21	20	21	20	21	21	21	21	21	21	21	21	21	21	20	20	20	20
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	62	62	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
TMGR	HY04	-1	-1	61	61	61	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	92	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	95	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		220	220	860	919	651	471	437	416	290	243	216	213	259	218	210	229	232	250	231	217	263	228	224	327
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	3	3	3	5	4	3	4	4	2	2	4	3	5	2	3	4	5	3	3	3	3	3	3
PCUF	CUFK	7	5	6	3	5	3	5	6	5	3	3	6	5	7	5	5	4	5	6	5	4	5	6	5
Total Co-Gen		11	8	9	6	10	7	8	10	9	5	5	10	8	12	7	8	8	10	9	8	7	7	10	8
Total Gen		15437	15114	14749	14482	14032	13955	13731	13476	13394	13384	13291	13005	13058	12845	12529	12226	12249	12824	13287	13705	14027	14300	14459	14615

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0