

Daily System Generation Summary on Tuesday

Tuesday, June 30, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,262 MW
Distillate	0 MW
Total TNB	2,262 MW
Total IPP	16,645 MW
Total Co-Gen	0 MW
Total System	21,376 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,160	4.70 %
Gas	34,358	9.40 %
Total TNB	51,518	14.10 %
ST-Coal	215,493	58.98 %
LSS	2,139	0.59 %
Gas	97,128	26.58 %
Total IPP	314,760	86.15 %
Co-Gen	264	0.07 %
Total Co-Gen	264	0.07 %
Total Generation	366,542	100.32 %
PLTG	461	0.13 %
HVDC	723	0.20 %
Interconnection	1,184	0.32 %
Net Energy	365,358	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:	16:00:00 Hour
Total Set On Bus	18,857 MW
TNB Generation	2,713 MW
IPP Generation	14,716 MW
Spinning Reserve	1,394 MW
Maximum Demand	17,414 MW
Net Energy	365,358 MWH
Load Factor	87.42 %

Fuel Cost

Total Cost:	59,423,978.56 RM
Cost per Unit	16.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	576
Hydro	413
Syncon	635
Thermal	156
Total	1,780

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
GLGR	49
TJGS	158
Total TNB	207
CBPS	52
KLPP	95
MPSS	15
NPRI	145
PGLA	56
PLPS	42
SGB3	74
SKSP	47
YPKA	75
Total IPP	601
Total Gas	809
Total Gas Required	809

Alternate Fuel Usage

Station	(mmcsfd)
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	14875	14163	13661	13233	12938	12630	12670	12792	13255	15077	15902	16451	16438	16568	17103	17377	17414	16776	15470	15266	16557	16406	16094	15865

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 2:29:53 PM

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

Daily MW Generation on Tuesday

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	U001	693	692	693	692	692	692	691	694	691	693	691	693	692	691	693	695	688	692	693	692	692	692	691	694	693	692	692	692		
JMAH	U002	694	694	694	696	691	689	695	693	696	692	697	693	694	693	694	693	694	693	692	693	693	693	695	695	693	695	694	693	697	
JMHE	U001	980	977	986	979	983	815	821	803	820	820	823	822	820	818	818	822	820	908	978	982	985	981	978	980	979	980	976	982	982	
JMHE	U002	981	978	985	982	983	815	821	820	819	817	821	822	820	823	817	819	820	903	980	980	984	981	980	984	981	980	967	980	981	
JMJG	U001	675	675	673	673	671	672	675	672	672	673	672	678	674	677	672	672	671	672	673	672	677	671	672	667	676	673	668	671	673	
JMJG	U002	674	672	672	673	673	672	675	670	672	672	673	671	673	672	674	672	675	676	679	668	671	639	595	596	601	601	598	601	601	
JMJG	U003	669	669	667	663	672	671	667	670	664	668	669	667	669	666	667	666	671	672	667	672	666	668	669	670	667	667	672	666	672	
PKLG	U003	283	281	282	282	280	280	282	280	281	283	282	283	281	282	281	281	283	282	283	283	282	282	283	282	284	282	283	283	282	
PKLG	U004	28	56	75	79	107	106	125	137	207	224	233	265	283	279	279	280	280	281	282	281	283	281	282	281	280	279	280	281	282	
PKLG	U005	466	466	466	468	466	467	468	466	468	468	466	468	466	467	466	470	466	467	469	468	467	466	463	468	470	466	468	468	466	
PKLG	U006	449	446	447	449	452	447	449	447	447	447	451	446	446	449	442	449	448	449	448	449	447	450	449	446	450	447	449	445	450	
TBIN	U001	689	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	194	234	343	360	471	664	699	692		
TBIN	U002	688	691	691	691	694	689	692	691	693	692	691	690	689	692	692	690	692	693	687	692	693	687	690	693	687	692	691	691	689	
TBIN	U003	693	689	691	690	691	692	691	690	690	691	691	690	690	692	690	690	693	694	691	692	690	689	696	688	688	691	691	691	692	
TBIN	U004	953	957	953	952	955	898	821	822	824	823	822	823	822	825	823	823	849	937	984	983	982	983	983	981	983	983	982	981	988	
Total ST-Coal		9615	8943	8975	8969	9010	8605	8573	8555	8642	8664	8685	8708	8719	8720	8710	8721	8724	8925	9161	9206	9214	9172	9121	9124	9133	9138	9087	9130	9220	
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	
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	
CBPS	BLK2	357	339	358	362	364	363	363	362	288	214	221	220	218	225	218	210	218	365	358	362	361	361	361	361	360	361	354	361	357	
GLGR	GT01	68	83	68	68	69	68	69	68	67	68	67	69	68	67	68	69	68	69	68	68	68	68	76	91	86	86	84	90	93	
GLGR	GT02	69	80	68	68	68	68	68	68	68	68	68	69	68	69	68	68	68	68	68	78	89	85	86	86	90	93	101	101	101	
GLGR	ST1C	70	76	71	71	71	71	71	71	71	71	71	71	71	71	70	71	70	71	70	72	83	81	80	82	84	89	89	89	88	
KLPP	GT13	131	137	107	92	67	67	68	68	67	67	68	69	68	69	64	63	68	125	138	136	141	144	144	144	144	144	144	144	144	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	149	152	152	152	152	152	152	152	152	152	152	
KLPP	GT15	159	156	120	106	82	80	81	82	80	80	82	82	81	80	80	75	80	136	156	155	155	155	155	155	155	155	155	155	155	
KLPP	ST17	129	131	118	106	93	90	86	86	82	82	83	83	83	86	82	82	86	127	131	123	201	204	204	204	204	204	204	204	204	
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	21	40	42	85	83	71	99	105	104	105	105	
MPSS	ST01	0	0	0	0	0	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	BLK1	504	485	512	512	515	515	491	429	364	328	330	336	326	424	316	319	485	510	520	520	521	518	520	521	520	508	520	522	520	
NPRI	BLK2	512	491	521	520	523	523	524	522	441	310	320	318	312	319	306	307	311	512	523	523	523	520	523	524	524	523	510	520	521	
PCGP	PGRG	351	352	446	598	603	602	603	599	592	593	401	403	397	400	485	486	594	588	603	604	605	599	603	604	602	603	587	603	602	
PGLA	GT12	230	230	250	185	188	160	160	160	160	160	160	160	160	160	160	160	160	220	222	222	233	233	233	233	233	233	233	233	233	
PGLA	ST10	108	109	112	89	90	89	89	89	88	89	89	88	88	89	89	87	87	89	111	113	113	113	113	114	114	113	114	114	113	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	139	137	132	125	130	130	136	134	137	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	33	53	53	47	34	42	63	73	140	122	135	134	128	121	126	128	132	
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	31	29	57	58	145	143	142	141	145	140	142		
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	129	131	
SGB3	GT32	72	71	64	61	63	63	63	63	62	62	63	63	63	63	63	63	63	116	116	118	118	136	120	120	120	137	128	141	131	
SGB3	GT33	56	102	66	66	67	67	67	67	66	66	67	67	67	67	67	67	67	116	116	117	117	131	114	114	113	130	123	140	130	
SGB3	ST34	96	110	98	94	94	94	94	94	94	94	94	94	94	94	94	94	94	127	135	137	137	151	143	139	139	147	143	151	213	
SKSP	BLK1	220	344	231	217	219	218	217	219	219	219	218	219	220	217	220	220	216	262	292	233	302	333	311	257	275	253	291	302	294	330
SPGP	BLK1	142	144	141	142	176	324	374	375	399	451	468	484	486	489	487	487	480	485	384	386	433	458	383	387	453	386	239	239	239	
TJGS	GT1A	182	213	180	208	141	232	180	137	142	146	145	140	143	144	141	140	146	139	218	207	184	205	222	205	214	228	216	223	227	
TJGS	GT1B	172	204	165	199	127	216	172	134	135	137	136	131	131	135	131	127	132	128	212	202	172	199	220	191	198	213	214	213	211	
TJGS	ST1C	205	235	216	241	193	217	207	179	176	176	176	176	176	173	170	176	197	222	234	217	241	249	249	233	236	228	244	245	246	
TJGS	GT2A	214	215	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	211	211	211	212	209	212	157	157	154	156	157	157	157	157	154	154	154	155	155	200	199	199	197	199	200	199	199	199	199	

Daily MW Generation on Tuesday

[illegible]

Daily MW Generation on Tuesday

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
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	6	0	6	5	5	4	4	5	4	4	4	3	4	5	4	5	3	6	4	4	31	32	31	34
PCUF	CUFK	2	4	4	3	5	3	2	3	3	3	3	5	3	2	4	2	4	5	1	4	4	5	4	4
Total Co-Gen		8	4	10	8	10	7	6	8	7	7	7	8	7	8	6	10	10	6	8	9	9	11	7	9
Total Gen		14953	14455	14154	14014	13662	13548	13287	13101	12968	12810	12681	12718	12722	12872	12838	12857	13268	14401	15108	15549	15922	16247	16496	16649
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
TIE-HVDC		31	31	30	30	31	31	30	30	30	31	31	29	29	30	30	30	30	31	31	31	31	30	30	29
TIE-PLTG		51	10	-35	5	-26	0	29	14	4	30	25	-17	26	12	20	-1	-14	47	4	4	-7	-4	17	-24
Interconnection		82	40	-5	35	5	31	58	43	34	60	55	14	56	42	50	30	16	78	34	34	23	25	48	7
System Total		14875	14419	14163	13983	13661	13521	13233	13062	12938	12754	12630	12708	12670	12834	12792	12830	13255	14326	15077	15518	15902	16225	16451	16645
SRev ST-Coal		146	118	86	92	51	284	254	252	179	410	405	405	390	389	395	388	384	369	184	139	131	173	174	141
SRev OCGT-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
SRev CCGT-Gas		1318	1015	1309	1349	1562	1445	1604	1774	2009	2238	2490	2476	2607	2463	2527	2555	2258	1848	1395	1459	1130	985	657	399
SRev 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
SRev 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
SRev Co-Gen		64	68	62	64	62	65	66	64	65	65	65	64	65	64	66	64	66	62	66	64	63	63	61	65
Syncon		977	362	675	889	990	1078	1179	1179	1179	1179	1179	1179	1179	1330	1179	1229	1128	977	977	1128	1128	953	651	802
Hydro		107	747	479	135	236	171	139	139	143	144	142	143	161	157	164	288	149	104	263	257	138	114	218	433
S.Reserve Total		2612	2310	2611	2529	2901	3043	3242	3408	3575	4036	4281	4267	4402	4252	4507	4499	4111	3536	2906	2923	2616	2488	2065	1685