

Daily System Generation Summary on Tuesday

Tuesday, June 09, 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	17,770 MW
Total Co-Gen	0 MW
Total System	22,960 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,406	4.00 %
Gas	30,147	8.38 %
Total TNB	44,553	12.38 %
ST-Coal	236,062	65.61 %
LSS	2,502	0.70 %
Gas	76,593	21.29 %
Total IPP	315,157	87.59 %
Co-Gen	167	0.05 %
Total Co-Gen	167	0.05 %
Total Generation	359,877	100.02 %
PLTG	756	0.21 %
HVDC	-696	-0.19 %
Interconnection	60	0.02 %
Net Energy	359,817	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	18,735 MW
TNB Generation	2,810 MW
IPP Generation	14,621 MW
Spinning Reserve	1,299 MW
Maximum Demand	17,407 MW
Net Energy	359,817 MWH
Load Factor	86.13 %

Fuel Cost

Total Cost:	56,180,230.50 RM
Cost per Unit	15.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	406
Hydro	399
Syncon	843
Thermal	139
Total	1,787

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	186
Total TNB	213
CBPS	50
KLPP	79
NPRI	145
PGLA	92
PLPS	16
SKSP	31
YPKA	41
Total IPP	455
Total Gas	668
Total Gas Required	668

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	14077	13488	12859	12397	12107	11857	11921	12104	12878	14848	15780	16393	16430	16390	17043	17389	17407	17008	15795	15254	16517	16616	16250	16126

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 1:08:13 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	694	693	691	691	693	692	692	692	693	692	694	693	692	692	693	692	693	694	690	693	693	691	688	694	694	693	693	691	693	692																	
JMAH	U002	693	692	692	694	692	694	695	695	696	694	692	696	692	695	696	694	695	695	695	691	694	690	692	693	693	694	695	694	694	693	694	693																
JMHE	U001	919	922	921	918	903	782	784	781	779	779	781	779	783	780	780	779	983	978	981	981	979	977	980	980	981	977	979	978	975	981	978																	
JMHE	U002	921	923	918	917	903	785	784	781	783	780	778	781	781	782	780	781	779	962	974	974	980	978	978	980	979	978	978	979	978	976	970	981	977															
JMJG	U002	674	671	671	666	671	662	672	673	662	675	663	672	674	668	671	671	672	673	666	677	671	675	671	672	673	671	674	671	666	673	672	672	674															
JMJG	U003	672	667	667	668	679	671	667	667	672	668	671	671	667	672	671	670	672	671	668	670	670	670	677	666	671	669	671	670	671	666	671	673	668															
JMJG	U004	900	905	900	901	900	827	788	786	785	785	787	786	788	788	788	789	853	904	904	906	904	902	903	903	903	903	903	904	900	906	903	905	906	902														
PKLG	U003	281	281	281	280	280	281	278	176	151	149	151	151	151	151	207	279	282	282	283	281	280	280	282	280	281	282	283	283	282	283	281	282	279	280														
PKLG	U004	282	284	280	281	280	281	278	191	161	151	156	158	157	157	219	274	280	281	280	282	281	285	280	277	280	277	282	279	283	281	279	277	280	279														
PKLG	U005	466	466	468	468	470	464	463	385	301	271	269	269	269	269	270	277	366	419	464	469	466	468	467	466	466	468	466	469	466	466	467	466	466	468														
PKLG	U006	449	447	449	449	451	449	449	447	449	448	450	449	449	449	450	447	449	446	446	444	447	447	445	445	446	450	447	449	449	449	449	449	449	449														
TBIN	U001	691	691	689	691	690	690	690	690	690	686	690	686	691	691	690	691	689	689	688	687	689	690	689	691	689	689	690	685	689	691	682	690	689	688														
TBIN	U002	690	692	692	692	692	694	694	693	696	691	690	693	692	693	691	695	694	693	692	692	692	694	694	692	692	694	691	693	693	693	694	694	690	694														
TBIN	U003	691	690	690	690	688	690	687	690	690	691	690	689	689	690	688	689	688	688	691	692	690	691	689	690	689	691	687	690	688	691	690	687	690	689														
TBIN	U004	922	923	922	923	917	830	782	783	783	781	782	784	782	783	782	782	783	851	939	981	983	982	983	982	983	982	983	982	982	983	983	983	983	983														
Total ST-Coal		9944	9948	9933	9929	9907	9493	9403	9130	8990	8945	8935	8962	8950	8964	8956	9086	9305	9876	10062	10117	10128	10128	10130	10113	10110	10121	10116	10132	10100	10112	10125	10131	10121	10113	10114	10120	10114	10117	10115	10110	10120	10135	10108	10120	10113	10097	10123	10112
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	
CBPS	BLK2	358	357	354	247	209	221	219	219	224	217	219	217	223	223	222	218	224	361	362	358	363	362	365	357	360	359	359	356	353	353	354	354	358	360	360	348	354	355	362	362	362	361	366	361	361	357	357	353
GLGR	GT01	95	96	95	95	95	96	96	95	96	95	94	95	95	96	97	96	97	97	98	97	98	98	98	97	98	97	98	97	105	102	104	102	103	103	95	94	94	95	109	107	108	109	94	94	95	94	98	
GLGR	ST1C	38	38	38	38	38	38	38	39	38	38	38	39	39	38	39	39	39	40	39	39	39	38	37	37	37	37	37	37	39	40	41	41	41	42	39	38	38	37	43	43	45	43	37	37	38	38	38	
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	53	133	131	131	131	135	139	140	140	135	135	135	135	135	136	136	136	137	137	137	137	137	137	137	137	137	137	137	126	124	124	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	41	149	151	155	157	159	159	158	158	159	160	160	160	161	161	161	122	112	112	156	156	157	157	157	157	157	157	156	134	134
KLPP	GT15	0	0	0	0	0	38	41	41	61	78	105	154	129	133	129	130	139	126	127	148	142	147	160	160	160	159	159	158	158	159	159	158	158	159	159	123	118	119	155	154	157	157	157	157	157	157	137	136
KLPP	ST17	0	0	0	0	0	0	0	23	31	42	69	63	65	51	51	51	51	128	123	117	191	194	203	203	203	203	201	201	201	201	201	201	201	201	202	187	175	175	199	199	201	201	198	198	199	190	193	
NPRI	BLK1	525	520	515	355	309	379	349	464	479	448	377	359	376	443	436	382	409	521	522	520	520	521	513	520	520	520	521	521	520	519	520	521	520	520	519	509	506	515	520	523	521	524	521	514	511	517	508	
NPRI	BLK2	526	505	502	355	308	377	348	454	489	477	377	359	376	440	442	381	410	522	524	523	523	522	522	521	520	519	518	517	518	518	519	519	519	520	511	511	517	524	522	523	522	521	517	512	517	510		
PCGP	PGRG	349	351	352	351	301	203	204	203	201	204	205	207	205	207	205	202	207	301	302	502	573	601	603	602	603	603	602	605	606	599	603	602	605	602	603	602	587	535	548	601	612	603	609	602	595	590	596	535
PGLA	GT11	192	162	161	161	161	161	162	161	161	160	161	164	163	163	163	197	199	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	167	253	252	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	245	243		
PGLA	ST10	103	93	93	93	93	93	93	93	93	92	92	92	92	93	90	84	233	238	240	240	240	242	242	242	242	242	242	242	241	241	241	241	241	241	241	238	241	240	241	241	241	241	239	239	238	236	236	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	54	54	35	35	35	54	68	127	126	126	126	126	126	124	125	125	124	125	124	125	140	138	140	139	125	124	125	124
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	32	56	56	57	58	58	58	59	59	58	58	58	62	60	59	59	57	58	58	58	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	90	149	324	291	302	299	326	256	281	274	341	339	341	325	341	343	343	294	217	217	220	235	284	275	227	220	276	301	299		
TJGS	GT1A	156	123	126	131	120	125	131	125	128	127	128	125	125	127	127	124	125	123	194	124	171	179	160	196	138	158	155	213	224	226	201	209	229	225	177	217	191	124	127	190	230	225	235	218	215	224	190	185
TJGS	GT1B	147	124	117	119	109	119	121	116	116	121	118	116	114	118	119																																	

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
CEND	HY02	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	99	63
HTRG	HY02	62	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	63	63
KNRG	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
KNRG	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
KNRG	HY03	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	25	25	25	21	21	21	21	21	21
KNYR	HY01	99	99	98	99	94	98	58	97	62	62	63	62	63	67	66	81	65	66	69	65	69	76	86	89
KNYR	HY02	99	91	64	64	60	63	65	68	-1	-1	-1	-1	-1	-1	-1	98	98	98	98	98	98	98	98	98
KNYR	HY03	99	98	98	98	94	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	99	99	99	99	99	99	99
KNYR	HY04	99	98	98	99	94	98	98	0	0	0	0	0	0	0	61	101	101	100	100	100	100	100	100	98
LPIA	HY01	20	20	20	20	20	20	21	21	21	21	21	21	21	20	20	20	20	19	19	19	19	19	19	19
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	15	15	15	15	15	15	15	15	15
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1
PGAU	HY02	-1	-1	-1	19	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	21	-1	-1	21	21	21	21	22	21	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	32	32	32	32	26	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UPIA	HY01	5	5	6	5	5	6	6	6	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6
UPIA	HY02	4	4	4	4	4	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		585	575	485	505	460	483	369	292	187	206	208	187	186	186	187	188	251	379	455	558	563	697	713	717
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	CUF	5	4	5	5	5	4	6	4	6	5	4	4	5	6	4	6	3	5	3	4	5	2	4	2
PCUF	CUF	2	4	4	2	2	3	5	2	3	2	2	2	3	4	4	3	5	5	3	3	4	4	3	6
Total Co-Gen		7	8	9	7	7	7	11	6	9	7	6	6	8	8	8	8	11	9	9	6	9	7	7	11

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																											
Total Gen		14072	13766	13546	13147	12874	12596	12348	12201	12058	12006	11868	11910	11911	12066	12062	12108	12824	14091	14817	15428	15773	16208	16415	16629	16451	16401	16398	16738	17025	17340	17306	17438	17436	17361	17015	16438	15789	15302	15292	16119	16524	16606	16611	16438	16303	16352	16156	15858			
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	
TIE-HVDC		-30	-28	-28	-30	-30	-28	-30	-30	-30	-28	-31	-29	-30	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-31	-30	-30	-29	-29	-28	-28	-28	-30	-28	-28	-28	-28	-28	-28	-28	-29	-29	-29	-29	
TIE-PLTG		29	79	90	25	48	-6	-16	8	-15	20	45	29	25	27	-10	4	-21	59	2	5	26	-1	53	-8	53	45	40	44	14	-11	-52	71	63	55	41	30	27	43	70	26	42	35	28	35	85	88	61	80	80	80	
Interconnection		-1	52	62	-5	18	-34	-46	-22	-45	-8	15	0	-6	-1	-38	-25	-50	31	-27	-25	-4	-29	25	-37	24	16	11	14	-15	-39	-80	42	33	25	11	0	-2	15	42	-2	11	7	-1	7	57	60	34	51	51	51	
System Total		14077	13718	13488	13155	12859	12633	12397	12227	12107	12018	11857	11914	11921	12071	12104	12137	12878	14064	14848	15456	15780	16240	16393	16669	16430	16388	16390	16727	17043	17382	17389	17400	17407	17340	17008	16442	15795	15291	15254	16125	16517	16603	16616	16435	16250	16296	16126	15811	15811	15811	
SRev ST-Coal		311	307	322	326	348	457	480	567	565	565	578	560	567	561	566	562	510	328	193	138	127	127	125	142	145	134	139	123	155	143	130	124	134	142	141	135	141	138	140	145	135	120	147	135	142	158	132	143	143	143	
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	0	0	0	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		600	901	1017	1430	1636	1676	1724	1516	1489	1513	1642	1606	1594	1453	1681	1579	1872	1336	1041	863	821	554	561	389	590	654	718	409	220	212	247	228	171	172	349	345	734	1193	1146	508	252	218	180	293	354	377	406	620	620	620	
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	0	0	0	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	0	0	0	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		63	62	61	63	63	59	64	61	63	64	64	62	62	62	62	59	61	61	64	61	63	63	59	65	63	66	63	65	62	64	67	65	69	61	64	62	64	65	64	62	65	65	60	63	64	63	65	65	65		
Syncon		941	941	1067	916	1067	1067	1017	1168	1269	1118	1118	1269	1269	1269	1269	1269	1456	1204	1355	1103	1254	1254	1103	1103	1103	1254	1254	1254	765	513	513	326	326	326	326	826	1254	1254	1254	1128	851	851	851	977	1128	916	1204	1204	1204	1204	
Hydro		191	201	165	297	191	168	332	157	161	293	291	161	162	162	161	160	196	360	133	283	167	183	318	314	307	167	167	171	559	524	528	605	607	611	746	458	245	242	269	189	404	368	374	325	238	361	267	263	263	263	
S.Reserve Total		2106	2412	2632	3032	3305	3431	3612	3472	3545	3552	3693	3660	3654	3507	3739	3632	4093	3289	2783	2451	2430	2181	2170	2007	2210	2272	2344	2020	1764	1454	1482	1350	1303	1320	1623	1828	2436	2891	2874	2034	1704	1622	1617	1790	1925	1876	2072	2295	2295	2295	