

Daily System Generation Summary on Friday

Friday, July 2, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,285 MW
Distillate	0 MW
Total TNB	2,285 MW
Total IPP	17,464 MW
Total Co-Gen	0 MW
Total System	23,603 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,269	3.83 %
Gas	69,357	21.63 %
Total TNB	81,626	25.46 %
ST-Coal	187,727	58.55 %
LSS	3,488	1.09 %
Gas	48,216	15.04 %
Total IPP	239,431	74.68 %
Co-Gen	155	0.05 %
Total Co-Gen	155	0.05 %
Total Generation	321,212	100.18 %
PLTG	-126	-0.04 %
HVDC	718	0.22 %
Interconnection	592	0.18 %
Net Energy	320,620	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:	21:00:00 Hour
Total Set On Bus	16,105 MW
TNB Generation	3,984 MW
IPP Generation	10,754 MW
Spinning Reserve	1,360 MW
Maximum Demand	14,750 MW
Net Energy	320,620 MWH
Load Factor	90.57 %

Fuel Cost

Total Cost:	48,713,149.65 RM
Cost per Unit	15.16 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	111
Hydro	223
Syncon	760
Thermal	581
Total	1,675

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	213
Total TNB	241
CBPS	55
NPRI	155
Total IPP	210
Total Gas	451
Total Gas Required	451

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	14073	13382	12913	12409	12053	11799	11810	11715	11782	12732	13206	13416	13530	13596	13955	14249	14341	14153	13440	13336	14736	14750	14562	14552

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 5, 2021 10:37:32 PM Head
Grid System Operator
(Ir. Shanmugam Thoppalan)

Daily MW Generation on Friday

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	694	673	691	600	501	472	402	323	301	300	302	301	302	300	301	301	302	320	402	503	501	501	501	554	551	551	573	622	694	692	691	690	693	691	693	692	566	502	562	696	691	693	693	693	692	695	691	693			
JMAH	U002	692	696	696	609	512	480	405	296	304	305	303	304	302	302	304	305	305	335	406	504	503	504	503	556	555	556	569	640	698	694	694	697	695	693	694	692	552	504	547	697	697	697	698	698	694	696	695	697			
JMHE	U001	779	779	779	779	784	777	781	780	779	781	780	781	777	778	776	783	776	779	784	779	783	852	849	851	849	850	849	848	910	906	909	911	911	908	908	910	909	909	914	910	914	908	910	910	909	915	907	909			
JMHE	U002	779	783	776	782	772	780	780	781	781	780	780	781	778	780	779	783	777	779	783	782	780	854	850	849	851	851	849	850	915	907	911	910	908	912	907	911	910	908	912	912	913	912	910	908	912	907	910				
JMJG	U001	668	671	667	670	670	667	670	666	671	668	671	668	669	666	672	668	668	676	679	677	673	677	671	676	674	668	672	672	671	673	678	672	671	673	672	671	674	668	671	676	668	673	666	673	672	671	673	672			
JMJG	U002	673	674	669	678	672	676	677	675	671	671	678	668	669	682	671	674	673	673	670	674	670	674	673	672	674	671	672	675	672	672	671	678	672	671	678	672	670	673	676	670	672	671	675	678	673	672	672	674	674	673	674
JMJG	U003	667	660	661	664	665	662	668	660	664	662	662	667	662	662	662	666	666	666	656	662	673	669	664	670	671	676	664	672	663	667	671	667	668	668	671	667	674	659	671	672	669	666	672	669	666	668	672	662			
JMJG	U005	888	891	892	892	825	797	801	800	801	799	800	801	801	801	801	801	801	797	801	801	852	852	847	851	852	849	848	854	867	891	892	890	891	888	890	891	892	888	890	890	892	891	894	890	892	895	892	892			
PKLG	U003	159	159	158	159	160	159	158	158	160	159	159	160	160	159	160	160	159	159	159	158	159	158	157	158	159	160	158	160	158	160	160	160	160	158	159	159	159	158	159	158	158	159	158	158	159	160	160	159			
PKLG	U006	449	449	449	448	448	448	377	299	273	265	263	265	268	268	271	269	280	358	435	446	449	446	449	449	449	449	446	449	447	449	449	447	449	447	450	448	448	450	449	449	446	449	442	451	453	450	449	451			
TBIN	U001	579	474	397	348	352	350	300	302	303	302	301	303	302	301	302	302	303	304	301	301	301	302	301	300	301	301	302	302	301	302	331	351	351	351	351	309	300	302	342	413	555	550	552	550	551	551	550	551			
TBIN	U002	591	486	399	349	355	351	301	302	301	303	303	303	302	304	302	301	306	302	303	303	303	304	306	303	302	303	303	302	303	319	353	353	353	353	310	303	302	333	417	556	554	555	554	554	554	554	555	553			
TBIN	U004	945	938	852	853	855	852	852	853	851	851	852	852	853	853	855	853	852	854	854	852	853	853	850	852	853	852	852	869	914	912	913	912	912	914	914	915	911	912	913	913	915	909	914	912	914	916	916				
Total ST-Coal		8563	8333	8086	7831	7571	7471	7172	6895	6860	6846	6854	6845	6855	6854	6864	6869	7000	7233	7445	7498	7646	7623	7741	7740	7736	7759	7897	8171	8226	8288	8341	8332	8329	8332	8250	7974	7833	8032	8478	8751	8739	8733	8742	8736	8755	8740	8739				
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	356	356	362	362	362	355	362	362	362	363	356	363	362	362	356	356	356	356	354	356	363	356	357	357	356	356	363	363	356	356	362	362	362	362	362	363	363	362	363	362	362	362	356	356	363	361	363				
GLGR	GT01	95	95	95	96	97	94	96	96	95	95	94	95	96	95	94	95	95	94	95	95	97	95	96	95	95	96	96	96	94	96	96	94	96	96	94	97	95	95	97	95	95	96	97	96	95	95	97	94	94		
GLGR	ST1C	40	41	40	41	40	40	41	41	41	40	41	41	40	40	41	41	40	39	40	41	40	41	41	41	41	41	41	40	41	40	40	41	40	41	41	41	41	41	41	41	41	40	41	40	41	40	41	40			
NPRI	BLK1	518	523	525	530	533	518	529	534	530	527	523	530	530	527	521	527	523	523	522	525	529	521	526	518	521	524	525	525	521	520	522	524	526	527	525	525	527	527	530	529	530	530	529	523	520	529	523	527			
NPRI	BLK2	523	526	529	526	530	521	532	530	532	531	525	532	532	530	523	528	525	523	524	527	530	524	527	519	525	523	523	523	524	523	518	520	521	522	522	523	524	525	524	526	526	525	526	523	527	527	527	530			
PCGP	PGRG	587	595	597	604	613	585	602	608	603	600	592	604	602	601	589	600	593	593	592	596	602	592	597	586	593	601	601	603	592	588	602	601	603	601	601	601	600	601	602	602	601	605	593	588	612	594	601				
SPGP	BLK1	720	718	720	720	719	719	719	718	718	720	718	720	719	718	720	719	719	720	718	718	719	719	720	718	719	719	718	717	712	717	717	719	720	719	719	719	720	719	718	718	718	718	720	719	718	720	718				
SPGP	BLK2	719	718	720	719	720	718	719	719	719	717	719	718	718	719	717	719	717	719	717	717	717	719	718	718	718	719	718	717	716	718	717	719	717	718	717	718	718	719	717	718	718	719	719	718	719	718	719				
TJGS	GT1A	221	227	226	224	227	221	224	226	227	227	227	227	227	227	226	156	207	226	229	226	226	226	226	221	225	225	224	223	225	221	223	223	223	226	225	223	224	224	227	226	226	224	224	223	223	223	224				
TJGS	GT1B	214	216	216	217	216	212	218	218	218	217	219	219	217	218	216	145	198	216	216	218	218	215	216	213	214	217	215	217	214	211	216	218	213	217	216	217	214	217	214	217	213	217	217	214	215	216	210	216	215		
TJGS	ST1C	244	241	241	241	241	241	241	241	241	241	241	241	241	241	202	193	242	238	241	241	241	241	241	241	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244				
TJGS	GT2A	216	216	216	216	216	216	216	216	216	216	187	149	106	106	148	108	118	121	219	218	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	185	185	185	210	214	214	217	214	217	214	216	216	216			
TJGS	GT2B	212	212	212	212	212	212	212	212	212	182	145	105	104	145	102	104	118	216	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	212	182	182	183	207	211	211	211	211	211	213	213	211	211			
TJGS	ST2C	255	255	255	255	255	255	255	255	255	233	209	192	192	210	194	192	192	240	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255			
Total CCGT-Gas		4920	4939	4954	4963	4981	4907	4966	4976	4969	4882																																									

Daily MW Generation on Friday

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
PGAU	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
SIHY	HY01	31	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	50	50	30	30	50
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	30	50
SYPS	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	17
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	17
SYPS	HY03	17	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	41	42	42	63	85	41	43	74	44	44	43	43	42	43	41	42	43	43	45	42	64	65	42	43
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	31	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	92	146	144	148	92	-1
UJLI	HY02	-1	-1	-1	-1	-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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		635	492	323	351	314	264	269	303	275	234	252	272	274	232	231	292	347	355	354	428	461	452	444	447
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
BKLS	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
BSLS	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
KRLS	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
STLS	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
TBLS	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	4	3	4	4	2	2	4	3	4	3	4	3	2	3	4	3	4	3	4	3
PCUF	CUFK	2	3	3	4	4	3	3	3	2	4	3	2	4	3	3	3	4	3	4	3	4	3	4	3
Total Co-Gen		6	6	6	7	8	6	7	7	4	6	7	5	8	4	5	8	5	7	7	6	7	6	7	6
Total Gen		14124	13770	13369	13152	12874	12648	12414	12181	12108	11968	11869	11825	11814	11871	11737	11599	11796	12370	12700	12984	13199	13387	13420	13537
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		30	31	31	29	29	30	31	31	31	29	29	30	30	31	31	31	31	30	30	29	29	29	30	31
TIE-PLTG		24	-12	-41	-36	-64	-3	-21	-42	28	14	43	10	-22	-21	-6	-11	-13	-11	-58	-30	-34	-7	-24	-42
Interconnection		54	19	-10	-7	-35	27	9	-12	59	45	74	40	7	9	25	19	17	19	-29	0	-4	24	7	-11
System Total		14073	13754	13382	13162	12913	12625	12409	12197	12053	11927	11799	11789	11810	11865	11715	11583	11782	12354	12732	12987	13206	13366	13416	13551
SRev ST-Coal		497	524	549	662	733	756	798	811	805	812	802	809	810	803	806	806	799	772	753	697	694	710	696	695
SRev CCGT-Gas		133	114	99	90	85	146	87	77	84	171	297	359	366	273	406	561	455	126	124	108	86	121	104	142
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 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 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

Daily MW Generation on Friday

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	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		839	839	926	926	926	926	926	926	926	926	775	926	926	926	926	926	926	926	926	926	1052	926	926	926	926	926	588	739	739	739	739	739	739	739	1052	1052	926	926	926	565	565	565	565	414	652	652	839	
Hydro		238	156	138	110	46	96	91	57	85	126	259	88	87	129	130	130	169	214	206	207	132	100	109	117	114	180	144	401	322	260	235	226	221	291	340	221	204	274	281	173	211	210	201	254	481	236	237	233
S.Reserve Total		1707	1633	1712	1788	1790	1924	1902	1871	1900	2035	2133	2182	2189	2131	2268	2423	2356	2065	2028	1994	1967	1841	1849	1881	1856	1911	1877	1772	1725	1645	1581	1564	1570	1634	1684	1875	2056	2022	2001	1702	1362	1369	1364	1431	1527	1470	1496	1669