

Daily System Generation Summary on Thursday

Thursday, June 24, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,365 MW
Distillate	0 MW
Total TNB	2,365 MW
Total IPP	17,204 MW
Total Co-Gen	0 MW
Total System	22,839 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,576	8.06 %
Gas	46,450	14.09 %
Total TNB	73,026	22.16 %
ST-Coal	181,676	55.12 %
LSS	3,259	0.99 %
Gas	70,044	21.25 %
Total IPP	254,979	77.36 %
Co-Gen	151	0.05 %
Total Co-Gen	151	0.05 %
Total Generation	328,156	99.56 %
PLTG	-631	-0.19 %
HVDC	-826	-0.25 %
Interconnection	-1,457	-0.44 %
Net Energy	329,613	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	15,446 MW
TNB Generation	4,026 MW
IPP Generation	10,767 MW
Spinning Reserve	647 MW
Maximum Demand	15,134 MW
Net Energy	329,613 MWH
Load Factor	90.75 %

Fuel Cost

Total Cost:	51,132,018.75 RM
Cost per Unit	15.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	269
Hydro	522
Syncon	101
Thermal	268
Total	1,160

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	220
Total TNB	249
CBPS	55
NPRI	157
PGLA	44
PLPS	54
SKSP	7
YPKA	66
Total IPP	384
Total Gas	633

Total Gas Required 633

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	14209	13566	12995	12570	12252	11936	11910	11875	11995	13128	13643	13931	14098	14214	14580	14843	14938	14679	13924	13839	15064	15134	14980	14918

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:38:45 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	691	691	691	600	501	503	503	608	601	694	693	694	691	694	691	693	693	693	692	691	693	693	692	693	692	691	692	683																						
JMHE	U001	932	928	928	897	851	849	779	780	780	782	780	779	779	782	779	784	780	897	890	889	890	889	890	892	891	889	929	961	972	976	973	976	975	978	967	983	976	977	977	978	978	977	979	977	976	975	979	977		
JMHE	U002	931	929	928	898	854	846	782	781	778	777	779	779	779	781	781	781	780	892	888	890	891	891	890	891	891	890	946	983	978	980	981	982	983	980	979	984	980	977	981	981	980	979	981	979	980	979	979	978		
JMJG	U002	671	666	665	667	661	674	677	673	674	677	677	672	675	670	674	671	677	673	667	674	672	675	672	673	673	671	677	672	681	676	672	669	672	678	676	672	669	672	672	672	678	668	677	667	674	671	674			
JMJG	U003	668	663	662	666	581	546	634	671	670	667	666	667	673	669	668	607	542	545	541	547	541	568	615	662	660	662	667	667	667	670	673	670	670	668	668	672	668	666	668	670	668	670	672	672	673	671	670	671	672	
JMJG	U004	922	925	921	876	854	859	858	859	859	860	859	859	859	860	861	860	862	859	896	895	895	895	898	896	895	913	967	977	979	976	978	976	977	977	979	974	976	977	975	975	975	0	0	0	0	0	0			
PKLG	U003	280	280	278	215	150	153	155	154	154	154	154	154	154	217	280	280	280	279	280	281	280	282	279	280	282	277	279	278	275	278	280	280	280	281	282	283	283	282	281	281	281	280	282	280	279	278	282	280		
PKLG	U006	451	447	449	367	293	267	272	269	266	269	267	271	267	321	410	449	449	446	447	450	449	447	449	450	449	445	446	449	449	449	450	445	446	445	447	447	447	446	447	450	448	449	455	449	450	448	447	449		
TBIN	U001	690	691	691	690	689	690	599	690	692	689	690	689	691	691	689	690	690	690	690	691	689	690	691	690	690	691	691	692	689	690	691	690	691	690	691	692	691	688	689	690	692	689	690	690	690	690	690			
TBIN	U002	693	692	695	694	695	691	602	678	690	692	692	693	692	692	691	694	692	692	695	687	693	694	692	696	693	692	693	693	691	696	691	690	693	692	691	695	693	693	691	694	695	694	693	693	692	692	692	694		
TBIN	U004	932	933	931	860	858	853	856	851	854	851	853	854	853	851	852	853	852	894	893	893	894	890	892	893	892	895	920	981	983	980	983	983	985	983	983	982	985	983	984	983	982	983	983	984	982	984	982	984	986	
Total ST-Coal		7861	7845	7839	7430	6987	6931	6717	7014	7018	7112	7110	7111	7113	7228	7376	7363	7296	7558	7580	7590	7587	7615	7658	7717	7708	7701	7848	8040	8051	8075	8064	8059	8056	8058	8058	8091	8058	8057	8064	8060	8064	8070	7098	7092	7081	7079	7087	7083		
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	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	354	354	356	362	361	360	357	357	364	359	359	361	362	361	362	362	362	362	362	362	362	362	362	362	365	365	366	362	362	362	362	362	362	369	355	355	355	355	362	362	362	366	359	365	356	362	364			
GLGR	GT01	100	99	100	95	95	95	95	96	93	95	94	94	94	94	94	94	111	108	109	108	108	108	109	109	108	108	107	107	108	106	108	108	108	108	107	109	96	95	95	96	108	109	109	108	109	108	107			
GLGR	ST1C	43	42	42	41	41	41	41	41	41	41	40	40	40	40	40	40	40	45	44	45	46	45	44	45	45	46	45	46	44	45	44	44	45	44	45	44	41	41	41	41	45	45	45	45	46	45	44			
NPRI	BLK1	0	28	124	296	530	521	526	523	530	532	526	526	525	523	526	523	539	530	530	529	527	530	529	526	529	528	528	525	526	523	529	535	533	530	517	526	522	516	530	531	527	529	531	525	529	525	529	530		
NPRI	BLK2	516	521	523	526	531	524	530	525	533	534	533	533	533	528	532	528	539	535	534	533	533	532	529	527	524	523	522	519	519	523	529	526	524	521	523	524	519	523	525	528	530	529	528	530	529	532	533			
PCGP	PGRG	586	587	590	595	601	589	597	593	603	604	603	603	603	597	603	597	615	602	603	602	602	602	598	603	610	603	596	611	593	607	613	607	614	584	597	591	584	608	609	600	602	604	595	603	596	602	601			
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	26	25	75	74	35	25	15	35	65	85	86	118	118	118	118	148	148	220	212	212	183	187	188	215	225	226	225	225	227	227	230	232	233	233	234				
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	136	81	83	196	197	194	192	191	191	191	191	190	191	187	187	186			
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	105	106	93	96	89	150	227	226	233	233	234	234	235	234	235	234	233	233	233	231			
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	6	44	43	44	44	45	44	44	92	143	140	136	139	139	136	137	142	137	139	134	135	113	111	119	120	135	134	136	135	133	142	144	147	153			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	142	141	140	142	146	141	144	137	139	115	115	124	123	139	138	139	138	148	147	153			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	124	134	139	134	136	128	131	109	108	114	117	129	131	130	130	129	140	139	146				
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	40	57	57	58	57	143	140	197	210	212	211	211	208	209	201	195	198	198	209	209	208	209	209	213	216				
SKSP	BLK1	274	277	275	297	284	279	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SPGP	BLK1	718	717	717	717	717	719	718	361	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	193	245	342	650	718	717	717	720	717	720	716	717	717	717		
SPGP	BLK2	719	718	717	718	718	719	719	361	361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	74	196	195	194
TJGS	GT1A	220	216	223	224	226	222	223	224	225	225	229	227	228	227	228	226	226	224	224	227	223	223	222	226	223	226	226	222	225	225	222	224	222	222	219	228	229	193	172	224	225	226	224	225	224	225	225	226		
TJGS	GT1B	211	206	217	217	213	215	214	219	218	217	214	216	216	218	219	219	215	216	217	214	213	216	216	214	214	216	215	214	214	213	216	213	212	211	215	216	179	160	216	214	212	215	217	216	218	215	216			
TJGS	ST1C	244																																																	

Daily MW Generation on Thursday

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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7
HTRG	HY01	63	0	0	0	0	0	0	64	62	0	0	0	0	0	0	62	123	123	123	123	123	123	123	123
HTRG	HY02	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	123	122	123	123	122	122	-1	-1
KNRG	HY01	36	36	0	0	0	0	0	22	23	23	23	22	22	22	23	36	36	36	36	36	36	36	36	36
KNRG	HY02	37	37	21	21	21	21	21	21	21	21	21	20	21	21	22	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	0	0	0	0	0	0	22	22	22	22	22	21	23	36	36	36	36	36	36	36	36	36
KNYR	HY01	63	62	62	64	65	64	61	99	99	98	99	99	97	57	57	63	98	99	99	99	99	97	55	-1
KNYR	HY02	99	99	99	59	-1	-1	-1	100	99	99	99	99	98	-1	-1	64	99	99	98	99	99	99	56	0
KNYR	HY03	99	99	99	58	59	0	0	0	99	100	100	99	56	0	61	100	100	100	100	100	100	98	54	0
KNYR	HY04	99	98	98	58	59	58	55	100	100	99	101	101	98	58	58	63	99	101	101	101	101	98	55	55
LPIA	HY01	17	17	17	17	17	17	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPIA	HY02	17	17	17	17	17	17	15	15	15	15	15	15	15	15	17	17	17	17	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	21	21	21	81	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	0	0
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	21	21	21	21	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	47	47	47	31	47
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	45	50	50	50	30	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	43	50	50	50	30	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	24	25	25	17	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	24	25	25	17	17	17
TMGR	HY01	82	68	-1	-1	-1	-1	83	-1	34	34	34	-1	34	-1	-1	-1	32	83	83	83	83	83	83	83
TMGR	HY02	84	85	0	0	0	0	0	88	88	88	36	36	36	0	0	88	88	88	88	88	88	88	88	88
TMGR	HY03	79	79	31	32	32	31	32	81	82	32	32	32	32	32	32	84	83	83	83	83	83	83	83	83
TMGR	HY04	40	40	41	41	41	41	42	41	46	50	76	61	85	41	46	42	85	43	83	46	78	43	44	63
UJLI	HY01	82	60	-1	-1	-1	-1	142	-1	-1	-1	-1	-1	-1	-1	-1	93	108	106	106	104	108	108	88	-1
UJLI	HY02	177	-1	-1	-1	-1	-1	-1	94	-1	-1	-1	-1	-1	-1	-1	94	95	109	108	108	107	109	110	151
UPIA	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
UPIA	HY02	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		1291	929	525	407	350	288	284	740	530	972	883	814	750	698	448	350	538	982	1298	1589	1732	1713	1695	1656
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

Daily MW Generation on Thursday

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		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	20	25	29	29	28	25	30	30	30	30	30	30	30	30	30	20	20	16	10	4	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	9	53	102	172	210	302	374	404	432	477	503	353	402	472	471	348	363	325	248	190	151	104	48	14	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	3	3	3	3	3	4	2	2	3	5	4	4	4	3	3	3	2	4	5	2	3	3	3	3	3	4	3	4	3	2	4	4	3	3	3	3	4	3	3	4	4	3	4	4	3	4	3	4	
PCUF	CUFK	3	2	3	2	4	3	3	2	3	2	3	3	4	3	1	4	3	3	3	3	1	2	4	3	1	3	3	4	3	3	3	3	3	5	2	4	3	2	4	5	3	3	4	3	4	3	4		
Total Co-Gen		6	5	6	5	7	7	5	4	6	7	7	7	8	7	4	7	6	5	7	8	3	5	7	6	4	7	6	8	6	6	7	6	5	9	6	7	6	5	7	9	7	6	6	7	6	8	7	7	
Total Gen		14187	13831	13543	13221	12957	12800	12548	12350	12181	11993	11893	11830	11795	11839	11806	11727	11906	12636	13033	13393	13641	13760	13891	14032	14064	14058	14169	14439	14486	14834	14741	14872	14870	14827	14738	14245	13906	13735	13759	14512	14971	15017	14799	14966	14879	15022	14851	14679	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-30	-29	-29	-28	-28	-29	-29	-30	-27	-289	-28	-28	-28	-29	-28			
TIE-PLTG		10	13	10	-11	-6	-8	10	-20	-39	-32	-11	-31	-83	-45	-37	-36	-56	-82	-63	-42	30	-41	-7	-43	-1	-28	-12	18	-61	20	-70	-33	-37	-27	92	14	13	25	-48	-110	-60	-58	-43	-59	-70	-41	-35	-32	
Interconnection		-18	-16	-19	-40	-35	-37	-19	-48	-68	-62	-40	-60	-112	-74	-66	-66	-86	-112	-92	-71	1	-70	-37	-72	-30	-58	-41	-11	-91	-9	-99	-62	-65	-56	62	-16	-15	-3	-77	-139	-90	-85	-332	-87	-98	-69	-64	-60	
System Total		14209	13851	13566	13265	12995	12840	12570	12401	12252	12058	11936	11893	11910	11916	11875	11796	11995	12751	13128	13467	13643	13833	13931	14107	14098	14120	14214	14453	14580	14846	14843	14937	14938	14886	14679	14264	13924	13741	13839	14654	15064	15105	15134	15056	14980	15094	14918	14742	
SRev ST-Coal		356	372	378	607	659	645	752	612	598	536	535	537	532	535	506	438	442	452	456	448	451	558	518	460	471	480	369	177	166	142	153	158	161	159	159	126	159	160	153	157	153	147	109	115	126	128	120	124	
SRev CCGT-Gas		228	305	334	174	180	219	251	131	96	101	110	105	134	152	106	229	298	322	320	300	279	464	239	145	147	141	224	128	314	211	176	369	326	366	380	240	393	666	745	267	204	193	188	225	266	282	264	247	
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	
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	
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	
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	0	
Syncon		151	464	738	738	839	839	839	464	738	313	651	651	738	651	839	839	738	464	151	151	0	0	151	151	151	151	151	151	338	0	0	0	0	0	151	651	839	926	926	752	338	338	0	0	0	0	151	151	
Hydro		512	286	201	319	276	238	242	161	97	520	271	215	199	338	400	311	324	241	363	472	630	649	516	555	508	542	487	631	444	632	638	574	577	509	553	431	211	214	156	326	471	441	355	475	559	500	545	530	
S.Reserve Total		1247	1427	1651	1838	1954	1941	2084	1368	1529	1470	1567	1508	1603	1676	1851	1917	1802	1479	1290	1371	1360	1671	1424	1311	1277	1314	1231	1087	1262	985	967	1101	1064	1034	1243	1448	1602	1966	1980	1502	1166	1119	652	815	951	910	1080	1052	