

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	2,340 MW
Total IPP	14,099 MW
Total Co-Gen	0 MW
Total System	19,990 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,324	5.39 %
Gas	55,970	16.47 %
Total TNB	74,294	21.86 %
ST-Coal	191,785	56.43 %
LSS	3,463	1.02 %
Gas	70,935	20.87 %
Total IPP	266,183	78.33 %
Co-Gen	150	0.04 %
Total Co-Gen	150	0.04 %
Total Generation	340,627	100.23 %
PLTG	72	0.02 %
HVDC	720	0.21 %
Interconnection	792	0.23 %
Net Energy	339,835	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	16,722 MW
TNB Generation	3,841 MW
IPP Generation	11,670 MW
Spinning Reserve	1,205 MW
Maximum Demand	15,517 MW
Net Energy	339,835 MWH
Load Factor	91.25 %

Fuel Cost

Total Cost:	52,445,963.40 RM
Cost per Unit	0.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	257
Hydro	411
Syncon	424
Thermal	284
Total	1,376

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	53
SRDG	2
TJGS	219
Total TNB	274
CBPS	26
KLPP	81
NPRI	160
PLPS	86
SGB3	50
Total IPP	404
Total Gas	678
Total Gas Required	678

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	14721	14062	13540	13085	12716	12459	12325	12126	12265	13366	13881	14337	14560	14559	15024	15410	15462	15181	14410	14523	15503	15517	15356	15228

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:17:46 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	692	694	692	693	664	651	601	501	400	401	402	401	401	402	534	671	692	698	692	691	693	694	692	691	692	691	695	692	674	600	692	692	691	691	692	691	692	691	692	692	693	692						
JMAH	U002	693	696	695	695	692	660	657	604	503	399	404	404	406	405	404	404	405	531	676	695	698	696	695	698	696	695	695	695	693	696	695	695	676	604	697	695	695	696	696	696	692	698	694	697					
JMHE	U001	981	980	899	897	849	778	780	777	777	783	779	780	781	781	780	780	785	775	790	851	849	850	855	860	900	901	901	902	899	898	902	901	901	899	897	899	984	978	978	980	982	979	981	981	980	980	981		
JMHE	U002	981	980	900	896	848	775	778	777	780	780	779	783	779	781	779	780	780	775	775	786	851	850	848	854	861	900	900	900	900	900	900	900	901	986	976	980	980	979	978	982	980	978	977	983					
JMJG	U001	673	672	674	672	671	673	672	671	671	676	672	679	670	672	674	673	675	671	662	674	674	668	674	672	671	677	672	672	670	676	671	676	662	674	666	668	667	666	667	666	667	666	668	668	667				
JMJG	U002	672	673	667	671	672	671	677	673	663	685	674	668	685	666	679	679	686	667	670	674	675	672	671	670	674	669	666	673	674	670	673	669	672	671	674	670	675	672	677	672	671	672	674	678	682	673	672	672	
JMJG	U003	667	662	665	667	662	663	662	662	665	664	667	661	668	670	670	667	664	664	663	666	664	667	666	667	666	662	662	662	666	662	665	661	643	668	666	667	669	663	668	666	667	664	666	667	667	662	665	669	
JMJG	U005	886	890	887	884	887	819	800	791	801	801	796	800	798	693	587	486	490	394	320	261	170	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U003	281	283	282	282	237	152	155	154	153	156	156	156	155	155	155	155	155	155	155	155	155	155	155	159	276	284	282	278	280	281	280	282	281	283	281	281	282	283	280	280	281	283	280	280	280	280	281		
PKLG	U006	446	449	449	449	410	364	284	269	269	270	269	267	269	271	269	268	267	270	270	270	303	412	445	447	450	448	448	447	480	448	449	449	449	440	450	449	449	440	447	453	449	440	449	446	446				
TBIN	U001	689	691	689	690	690	690	686	690	689	689	599	602	600	601	600	599	692	689	690	690	691	691	691	691	691	691	691	690	689	690	691	691	690	690	689	689	689	692	693	690	690	689	691	690	690				
TBIN	U002	692	692	697	693	691	694	691	695	691	691	695	600	603	603	602	603	602	690	690	689	692	687	689	702	694	692	693	694	693	693	694	687	692	694	690	692	689	690	688	688	693	691	690	693	691	695	686	690	
TBIN	U003	693	689	690	690	692	691	689	691	693	690	690	596	602	603	599	601	599	684	686	691	693	689	694	689	691	692	690	691	690	693	690	692	689	696	686	691	689	692	691	692	691	691	691	691	691	691	689	687	
Total ST-Coal		9048	9049	8888	8878	8694	8294	8186	8051	7857	7684	7671	7395	7419	7301	7200	7097	7108	7503	7737	7846	7811	7851	7774	7811	8000	7995	7997	7997	8004	7991	8004	7990	7977	7997	7995	7990	7961	7981	8152	8148	8157	8156	8159	8160	8163	8157	8140	8155	
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	362	362	365	359	360	360	363	363	362	367	353	360	360	360	367	359	359	362	359	362	359	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	79	69	69	69	70	71	68	69	68	69	68	67	68	68	68	67	101	101	100	100	101	101	100	100	101	100	100	100	101	100	100	100	100	100	101	100	100	100	101	98	100	100	100	100	99	101	98		
GLGR	GT02	75	66	66	65	66	66	66	66	66	66	67	67	68	67	67	67	101	99	100	99	100	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	100	100	97			
GLGR	ST1C	83	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	90	91	91	91	91	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	92	91		
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	82	135	134	132	133	133	133	134	134	134	134	134	135	114	109	111	132	133	132	133	133	133	135	133	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	79	148	153	154	156	155	156	157	156	157	158	158	158	157	157	156	157	116	117	120	154	153	153	154	155	155	155	154			
KLPP	GT15	145	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133			
KLPP	ST17	66	67	67	67	67	68	66	67	68	67	67	67	67	68	67	68	67	68	68	68	74	121	143	144	143	136	196	211	211	210	211	210	210	210	211	193	198	197	210	210	210	210	210	210	210	211	211		
NPRI	BLK1	515	515	512	515	510	516	515	507	508	515	502	515	514	517	505	517	515	508	514	515	515	508	519	512	505	510	509	512	516	515	515	516	515	515	511	510	506	515	514	515	516	515	515	514	514	514	517	513	
NPRI	BLK2	530	530	532	531	529	530	533	526	524	535	520	532	533	532	523	532	533	526	529	523	524	527	522	523	523	519	520	519	518	518	518	520	520	521	522	521	522	521	522	523	521	526	525	526	526	527	529		
PCGP	PGRG	604	603	599	599	595	604	603	592	593	601	585	602	602	603	592	605	603	590	602	603	604	594	614	597	591	596	594	601	602	604	604	601	603	600	598	595	589	602	599	604	603	602	603	602	602	598			
PLPS	GT11	115	115	116	127	128	129	128	129	129	128	129	128	129	129	129	128	127	127	130	131	131	130	131	126	129	130	128	126	129	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130			
PLPS	GT12	119	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	GT13	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	ST18	200	177	133	57	58	58	57	57	57	57	57	57	57	57	57	57	93	142	142	188	211	212	212	213	209	211	211	212	210	211	210	210	211	210	210	209	199	196	208	208	208	208	208	208	200	185			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	GT33	0	0	0	0</																																													

Daily MW Generation on Wednesday

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	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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	10	9	9	9	10	10	10	10	10	10	10	9	10	10	10	9	9	9	9
CEND	HY04	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	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
KNRG	HY01	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22	22	22	22
KNRG	HY02	38	38	38	37	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	38	38
KNRG	HY03	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	100	98	99	100	97	100	98	98	97	57	100	99	100
KNYR	HY02	60	60	63	62	59	59	60	60	59	58	60	88	90	101	96	95	100	98	98	92	101	93	93	91
KNYR	HY03	59	0	0	0	0	0	0	0	0	0	0	97	100	100	99	99	100	100	98	100	98	99	97	97
KNYR	HY04	60	60	61	-1	-1	-1	-1	-1	-1	-1	-1	98	101	101	99	100	101	101	101	101	101	101	101	101
LPJA	HY01	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21
LPJA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
PGAU	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
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	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	HY03	31	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	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	HY02	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	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
TMGR	HY01	33	34	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	-1	-1	-1	-1	84	84	84	84
TMGR	HY02	44	44	44	43	43	44	44	42	44	41	44	44	73	42	67	44	43	43	44	43	48	45	42	43
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	-1	-1	-1	83	83	83	83
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	-1	-1	-1	-1	92	93	92	92	91
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	86	91	-1	-1	-1	94	95	95
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		602	409	403	302	229	252	231	231	228	234	227	230	232	289	553	599	571	651	571	572	574	558	703	1177
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

Daily MW Generation on Wednesday

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
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	5	3	2	3	3	4	3	4	3	3	3	5	3	3	2	3	4	3	3	3	3	4	5	4
PCUF	CUFK	3	3	1	3	2	4	3	3	3	3	3	4	3	3	4	2	2	3	2	3	3	5	3	2
Total Co-Gen		8	6	3	6	5	8	6	7	6	6	7	8	6	4	4	6	8	5	5	6	5	6	8	5
Total Gen		14753	14431	14159	13864	13603	13242	13110	12953	12756	12623	12533	12324	12350	12287	12152	11967	12308	13043	13396	13676	13892	14203	14355	14570
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	30	31	31	30	30	30	30	31	31	29	29	29	29	31	31	31	31	31	30	30	30	30	30
TIE-PLTG		5	17	70	36	36	-53	-2	34	12	-13	48	-7	-1	-44	-2	-11	14	81	2	8	-14	27	-9	27
Interconnection		35	47	100	67	66	-23	28	64	43	18	77	21	28	-15	29	20	46	112	33	38	15	57	22	58
System Total		14721	14387	14062	13800	13540	13268	13085	12892	12716	12608	12459	12306	12325	12305	12126	11950	12265	12934	13366	13642	13881	14150	14337	14515
SRev ST-Coal		139	138	298	303	373	509	542	600	599	577	584	775	758	685	683	689	680	520	427	414	429	395	330	312
SRev CCGT-Gas		268	396	355	325	328	242	243	266	265	231	302	239	237	237	535	683	375	183	224	476	323	322	277	318
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
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
Syncon		839	839	839	1027	1027	876	1027	1027	1027	1027	1027	1027	1027	825	825	825	638	825	825	825	825	674	0	364
Hydro		345	263	219	132	125	253	123	123	126	120	127	124	122	65	103	57	85	192	85	83	81	97	203	554
S.Reserve Total		1591	1636	1711	1787	1853	1880	1935	2016	2017	1955	2040	2165	2144	2014	2146	2254	1965	1533	1561	1798	1658	1639	1484	1184