

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,209 MW
Total Co-Gen	0 MW
Total System	21,023 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,479	6.74 %
Gas	35,248	9.33 %
Total TNB	60,727	16.07 %
ST-Coal	217,588	57.60 %
LSS	3,385	0.90 %
Gas	95,798	25.36 %
Total IPP	316,771	83.85 %
Co-Gen	1,184	0.31 %
Total Co-Gen	1,184	0.31 %
Total Generation	378,682	100.24 %
PLTG	178	0.05 %
HVDC	721	0.19 %
Interconnection	899	0.24 %
Net Energy	377,783	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:	16:30:00 Hour
Total Set On Bus	19,001 MW
TNB Generation	3,201 MW
IPP Generation	14,713 MW
Spinning Reserve	1,041 MW
Maximum Demand	17,921 MW
Net Energy	377,783 MWH
Load Factor	87.84 %

Fuel Cost

Total Cost:	79,057,709.65 RM
Cost per Unit	20.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	497
Hydro	469
Syncon	215
Thermal	176
Total	1,357

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	95
Total TNB	142
CBPS	48
KLPP	92
NPRI	130
PGLA	106
PLPS	86
SGB3	66
SGRI	32
SKSP	51
Total IPP	610
Total Gas	752
Total Gas Required	752

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	15415	14706	14075	13626	13385	13115	13296	13192	13822	15368	16385	16746	16929	16735	17318	17685	17895	17410	16395	16651	17326	17070	16586	16276

Prepared By: -Select Name-

Checked By: -Select Name-

 Printed on: Wednesday, November 3, 2021 1:20:46 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	692	691	691	399	210	209	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JMAH	U002	696	696	697	695	697	696	695	696	697	696	697	696	695	693	695	700	697	696	693	696	695	697	696	692
JMHE	U001	979	980	899	904	847	850	851	850	849	852	829	830	826	828	845	849	852	903	986	978	983	974	978	978
JMHE	U002	978	982	902	898	848	851	851	852	851	850	831	830	829	828	847	851	852	905	971	979	981	977	978	978
JMJG	U001	672	671	673	671	667	673	671	668	669	669	669	672	673	669	673	670	672	672	668	677	676	669	668	672
JMJG	U002	667	669	662	675	660	681	661	668	668	667	666	671	664	668	673	665	663	666	677	666	673	671	667	654
JMJG	U003	665	666	660	673	662	664	658	664	667	665	667	663	664	661	662	662	668	668	665	667	666	657	662	664
JMJG	U005	887	895	892	888	850	848	853	852	850	853	832	829	828	829	850	849	850	889	894	890	888	891	890	892
PKLG	U003	275	277	277	277	278	276	275	276	275	276	279	277	277	277	278	276	276	277	278	274	275	273	273	274
PKLG	U004	273	277	274	276	277	274	271	275	273	274	277	275	275	275	274	273	275	277	278	277	279	276	274	275
TBIN	U001	688	689	688	689	688	687	689	690	688	690	689	689	690	689	689	689	685	688	690	687	692	689	690	689
TBIN	U002	691	689	687	691	691	690	691	691	691	691	692	693	691	689	691	692	691	691	690	696	694	690	691	685
TBIN	U003	688	686	690	685	691	693	688	686	689	689	689	690	687	687	691	691	691	687	690	690	687	688	692	688
TBIN	U004	981	983	908	903	855	852	854	853	853	850	833	833	832	833	854	853	853	890	980	981	982	984	985	984
Total ST-Coal		9832	9851	9600	9324	8921	8944	8737	8721	8720	8722	8650	8648	8632	8632	8717	8719	8727	8907	9163	9158	9161	9128	9152	9142
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
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
CBPS	BLK2	241	218	219	226	224	228	223	224	223	223	218	225	226	255	217	275	299	301	354	352	362	349	362	354
GLGR	GT01	67	65	67	67	67	67	66	66	66	66	65	67	67	66	65	67	66	65	82	103	103	102	66	68
GLGR	GT02	65	66	66	65	65	66	65	65	66	66	66	65	65	66	65	65	83	103	102	100	66	67	67	71
GLGR	ST1C	70	70	70	70	70	69	70	69	70	70	69	70	69	69	69	69	76	93	94	94	73	71	71	71
KLPP	GT13	123	68	68	68	68	68	68	68	68	68	69	67	68	69	64	65	138	113	119	131	138	139	140	140
KLPP	GT14	111	79	79	83	83	84	84	83	84	83	78	83	84	84	79	79	135	127	129	129	156	145	145	144
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	90	145	145	145	145	145	145	145
KLPP	ST17	133	101	101	101	101	101	103	101	100	101	100	100	101	103	97	97	141	134	125	207	214	213	212	212
NPRI	BLK1	427	331	334	334	334	337	337	334	335	337	336	337	336	336	322	336	335	517	518	518	518	506	514	515
NPRI	BLK2	438	452	493	518	530	530	516	511	494	528	480	526	529	527	422	0	0	0	0	0	0	0	0	0
PCGP	PGRG	593	501	400	402	403	404	355	352	263	262	263	262	262	262	262	261	426	600	597	599	602	585	595	597
PGLA	GT11	168	169	170	169	170	169	171	170	171	171	171	166	168	171	187	214	216	218	208	215	215	213	217	218
PGLA	GT12	172	173	174	174	174	173	175	174	175	175	175	174	174	175	170	171	174	191	221	220	221	218	219	220
PGLA	ST10	203	206	206	205	207	206	207	206	205	205	205	205	205	206	203	204	202	217	237	240	240	237	240	240
PLPS	GT11	131	128	129	129	129	129	128	129	129	128	129	128	129	129	128	125	127	115	114	133	137	133	137	134
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	120	142	146	143	142	138	118	
PLPS	GT13	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	112	111	130	134	130	131	130	
PLPS	ST18	129	57	57	57	57	57	57	58	56	57	57	57	56	57	58	55	135	131	141	193	208	211	210	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	25	60	142	142	142	120	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	138	133	118	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	143	120	143	145	142	142	148	130	
SGB3	ST34	0	0	0	0	0	0	0	0	0	0	0	0	0	23	70	70	70	70	76	137	137	137	206	
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	32	32	32	31	144	109	
SGRI	ST24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	64	53	
SKSP	BLK1	217	219	218	227	251	232	286	218	223	239	219	221	255	334	218	219	222	219	214	227	247	279	283	280
SPGP	BLK1	726	726	726	725	727	724	724	723	651	499	500	499	499	500	596	601	713	723	723	723	722	722	723	722
TJGS	GT1A	133	134	134	133	134	134	133	134	133	131	135	133	135	134	130	131	136	224	224	226	223	216	221	223
TJGS	GT1B	129	127	130	127	129	131	131	129	130	127	130	126	131	129	124	129	130	220	220	219	219	216	220	221
TJGS	ST1C	170	170	170	170	170	170	170	170	170	170	170	170	170	171	167	236	240	240	243	243	243	243	243	243

Daily MW Generation on Wednesday

[illegible]

