

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,339 MW
Distillate	0 MW
Total TNB	2,339 MW
Total IPP	16,473 MW
Total Co-Gen	0 MW
Total System	21,635 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,590	4.33 %
Gas	33,079	9.19 %
Total TNB	48,669	13.52 %
ST-Coal	233,442	64.87 %
LSS	1,878	0.52 %
Gas	74,564	20.72 %
Total IPP	309,884	86.11 %
Co-Gen	490	0.14 %
Total Co-Gen	490	0.14 %
Total Generation	359,043	99.77 %
PLTG	-150	-0.04 %
HVDC	-695	-0.19 %
Interconnection	-845	-0.23 %
Net Energy	359,888	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:	14:30:00 Hour
Total Set On Bus	18,340 MW
TNB Generation	2,710 MW
IPP Generation	14,120 MW
Spinning Reserve	1,451 MW
Maximum Demand	16,933 MW
Net Energy	359,888 MWH
Load Factor	88.56 %

Fuel Cost

Total Cost:	56,647,602.05 RM
Cost per Unit	15.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	472
Hydro	347
Syncon	770
Thermal	154
Total	1,743

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	187
Total TNB	238
CBPS	48
KLPP	67
NPRI	74
PGLA	56
PLPS	92
SGRI	58
SKSP	51
YPKA	24
Total IPP	470
Total Gas	708
Total Gas Required	708

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	14741	14044	13678	13223	12873	12732	12911	12917	13400	15220	15925	16481	16385	16174	16710	16832	16808	16290	15227	14992	15875	15758	15312	14998

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 2:19:45 PM

 (Ir. Shanmugam Thoppalan)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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	690	691	692	690	694	693	692	691	692	692	690	693	691	693	692	691	696	692	692	692	692	692	692	692
JMAH	U002	692	692	694	697	696	692	694	693	691	696	694	694	695	694	696	685	698	694	695	694	696	695	692	694	694
JMHE	U001	977	898	900	901	897	897	785	792	793	788	788	790	788	791	787	789	792	939	983	981	980	977	976	981	981
JMHE	U002	976	900	902	903	901	900	789	792	794	790	789	791	789	792	787	790	791	935	981	979	980	977	980	978	980
JMJG	U001	672	663	678	675	674	675	671	668	673	672	676	673	670	673	672	667	672	669	673	673	675	675	675	672	671
JMJG	U002	679	677	670	673	675	673	672	673	677	672	668	677	673	673	671	674	673	677	678	678	682	679	678	682	680
JMJG	U003	670	669	671	669	668	662	672	671	668	667	669	668	667	671	669	667	669	662	673	667	668	667	667	668	671
PKLG	U003	279	276	278	277	277	277	275	276	276	274	276	276	276	277	276	277	270	278	278	281	277	279	278	279	278
PKLG	U004	276	280	281	282	280	273	279	278	278	279	279	280	280	280	279	278	280	288	279	282	279	280	281	282	279
PKLG	U005	461	464	461	470	469	465	467	467	466	468	466	466	466	466	466	465	462	467	466	467	468	466	466	466	468
PKLG	U006	449	448	446	451	451	452	452	447	448	447	446	444	443	449	449	447	449	449	449	449	449	449	449	447	446
TBIN	U001	687	688	686	691	689	689	687	690	690	689	687	691	691	690	687	690	690	690	692	688	691	690	690	691	687
TBIN	U002	692	692	696	689	691	697	692	690	695	696	692	695	694	692	694	692	692	692	689	694	695	693	682	691	692
TBIN	U003	693	693	692	692	692	691	691	692	691	691	690	691	691	692	688	694	691	691	691	692	693	691	689	691	690
TBIN	U004	983	904	906	896	852	854	795	794	793	793	793	791	792	793	792	793	794	855	945	982	982	982	982	981	982
Total ST-Coal		9880	9634	9652	9658	9602	9591	9314	9315	9325	9316	9305	9314	9308	9326	9308	9307	9326	9660	9861	9884	9905	9891	9901	9870	9899
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
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
CBPS	BLK2	349	353	358	305	222	222	223	220	221	225	218	219	220	223	214	224	225	338	361	358	365	364	358	364	358
GLGR	GT01	69	68	68	69	68	69	69	68	69	70	67	68	69	67	68	70	83	102	101	100	101	102	101	101	100
GLGR	GT02	68	69	69	69	69	69	68	69	69	68	69	68	69	68	84	102	102	102	102	101	101	102	101	101	100
GLGR	ST1C	70	70	70	70	71	70	70	70	70	70	71	70	70	70	74	87	88	88	88	89	88	88	88	88	88
KLPP	GT13	99	99	117	117	117	117	117	116	116	117	117	117	116	117	113	117	128	132	133	133	133	137	137	137	137
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	115	116	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157	154	154	153	154	157
KLPP	ST17	115	117	52	51	51	48	48	48	48	52	52	48	52	51	51	50	56	56	51	52	52	51	133	128	128
NPRI	BLK1	511	515	527	524	512	377	521	523	432	436	373	354	398	332	360	341	525	458	526	520	523	518	518	518	478
PCGP	PGRG	400	401	401	372	372	373	372	373	372	370	400	403	401	403	401	411	452	480	503	497	547	548	539	491	479
PGLA	GT12	246	243	182	183	182	183	182	181	182	182	179	182	181	181	175	181	184	253	251	252	252	251	250	248	250
PGLA	ST10	109	108	89	89	89	89	89	89	89	89	89	89	89	89	88	88	107	114	113	113	113	114	114	114	113
PLPS	GT11	106	107	112	61	62	62	61	62	61	62	58	62	61	62	58	64	69	112	131	135	135	135	135	132	131
PLPS	GT12	112	115	69	69	69	70	69	70	68	70	67	69	69	69	64	69	73	118	140	139	139	140	139	139	137
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	73	141	142	141	142	141	139	138	
PLPS	ST18	133	130	115	93	95	93	93	93	94	93	94	93	94	93	94	94	131	141	212	211	211	211	211	212	211
SGRI	GT21	42	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	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	140	140	140	139	
SGRI	GT23	111	114	115	119	117	117	116	117	117	117	116	116	116	117	116	116	119	117	117	142	142	142	141	141	140
SGRI	ST24	103	57	63	63	62	62	62	62	62	62	63	63	63	61	60	64	63	62	68	69	140	142	138	140	140
SKSP	BLK1	218	219	218	260	306	222	232	223	256	228	226	221	219	222	218	223	338	251	277	292	343	344	326	346	309
TJGS	GT1A	170	175	147	169	134	133	178	170	130	132	131	135	131	131	128	132	155	160	205	217	224	225	219	226	195
TJGS	GT1B	165	166	140	159	126	120	169	161	125	121	122	123	122	127	121	123	148	153	195	210	214	216	211	216	184
TJGS	ST1C	210	206	187	177	173	169	185	195	170	170	170	170	170	170	167	174	209	228	231	242	245	238	239	236	235
TJGS	GT2A	215	215	184	146	148	148	148	146	146	148	148	148	148	146	148	147	211	210	210	210	210	211	211	209	211
TJGS	GT2B	210	213	180	142	145	144	144	144	143	143	143	143	143	144	143	143	207	206	207	206	206	206	206	206	206
TJGS	ST2C	258	258	238	214	211	211	211	211	211	209	209	209	209	209	209	209	255	255	255	255	255	255	255	255	255
YPKA	GT12	67	67	67	67	67	66	67	67	67	67	67	67	67	67	66	67	67	125	123	121	121	120	118	120	
YPKA	ST10	32	32	31	32	32	32	32	32	32	32	31	31	31	31	32	32	54	53	53	53	53	52	53	54	

Daily MW Generation on Wednesday

[illegible]

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			
PCUF	CUFG	3	3	4	4	4	3	4	4	4	4	3	4	3	3	2	5	4	3	4	4	4	3	4	3	4	4	4	32	33	32	32	32	33	3	3	3	3	3	3	33	33	33	33	33	33	4	4		
PCUF	CUFK	3	3	4	2	4	2	2	4	4	4	4	3	4	4	2	3	3	1	4	3	3	3	4	4	2	3	4	3	3	27	30	28	29	30	29	2	3	3	3	3	2	28	30	29	30	30	29	3	5
Total Co-Gen		6	6	8	6	8	5	6	8	8	8	7	7	7	7	4	8	7	4	8	7	7	6	8	7	5	7	7	7	7	59	63	60	61	62	62	5	6	6	6	5	61	63	62	63	63	62	7	9	
Total Gen		14772	14421	14011	13833	13656	13411	13192	13034	12852	12827	12760	12759	12896	12944	12948	12898	13360	14423	15130	15584	15909	16157	16428	16451	16333	16181	16129	16458	16638	16889	16760	16755	16746	16686	16239	15740	15237	14897	14980	15690	15859	15843	15680	15485	15238	15105	14953	14639	
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			
TIE-HVDC		-29	-29	-29	-29	-29	-28	-29	-30	-30	-29	-29	-29	-30	-29	-28	-29	-29	-29	-30	-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-28	-31	-29	-28	-29	-29	-29	-29	-29	-29	-28	-30	-29	-30	-29	-30	-30			
TIE-PLTG		60	34	-5	-22	6	19	-2	10	9	14	57	3	13	15	60	-13	-11	51	-60	-15	12	-25	-25	-46	-23	-16	-16	-38	-43	-15	-44	-24	-33	19	-22	55	39	-10	16	-33	13	-13	-48	-67	-44	-41	-15	-36	
Interconnection		31	5	-33	-51	-22	-9	-31	-19	-21	-16	28	-26	-15	-15	31	-41	-40	21	-90	-43	-16	-53	-53	-74	-52	-45	-45	-67	-72	-44	-72	-54	-62	-9	-51	26	10	-40	-12	-63	-16	-42	-78	-97	-74	-70	-45	-66	
System Total		14741	14416	14044	13884	13678	13420	13223	13053	12873	12843	12732	12785	12911	12959	12917	12939	13400	14402	15220	15627	15925	16210	16481	16525	16385	16226	16174	16525	16710	16933	16832	16809	16808	16695	16290	15714	15227	14937	14992	15753	15875	15885	15758	15582	15312	15175	14998	14705	
SRev ST-Coal		165	407	393	383	395	406	511	516	506	510	522	513	517	503	515	518	505	342	184	161	140	154	144	175	146	141	170	143	156	160	164	154	140	147	160	156	156	153	135	149	158	143	159	145	146	148	156	155	
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		
SRev CCGT-Gas		1225	1003	1429	1391	1512	1743	1486	1501	1661	1678	1731	1742	1702	1755	1777	1756	1355	1025	558	394	394	376	281	332	432	479	685	482	338	251	261	273	262	286	651	819	1227	1523	1503	762	662	600	682	856	1092	1179	1134	1367	
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 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
SRev Co-Gen		66	66	64	66	64	67	66	64	64	64	65	65	65	65	68	64	65	68	64	65	65	66	64	65	67	65	65	65	65	13	9	12	11	10	10	67	66	66	66	67	11	9	10	9	9	10	65	63	
Syncon		1128	977	1128	1128	1128	1128	1229	1179	1330	1330	1330	1330	1078	1128	977	1128	1128	1002	1002	815	577	728	728	728	640	676	827	827	676	640	640	640	489	640	953	1041	1041	890	1041	1041	890	1041	1041	1041	1041	890	977		
Hydro		203	289	142	137	139	139	238	284	165	164	166	165	314	181	285	213	200	199	190	226	349	328	330	349	410	402	272	186	319	387	490	406	453	626	502	380	318	345	446	154	132	378	215	251	261	304	436	358	
S.Reserve Total		2787	2742	3156	3105	3238	3483	3530	3544	3726	3746	3814	3815	3676	3632	3622	3704	3278	2661	1998	1661	1525	1652	1547	1649	1695	1763	2019	1703	1554	1451	1564	1485	1506	1558	1963	2375	2808	3128	3040	2173	2004	2020	2107	2302	2549	2682	2681	2920	