

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,020 MW
Distillate	0 MW
Total TNB	2,020 MW
Total IPP	15,597 MW
Total Co-Gen	0 MW
Total System	20,696 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,128	1.90 %
Gas	37,646	10.03 %
Total TNB	44,774	11.93 %
ST-Coal	189,666	50.52 %
LSS	1,689	0.45 %
Gas	138,907	37.00 %
Total IPP	330,262	87.97 %
Co-Gen	1,220	0.32 %
Total Co-Gen	1,220	0.32 %
Total Generation	376,256	100.22 %
PLTG	475	0.13 %
HVDC	345	0.09 %
Interconnection	820	0.22 %
Net Energy	375,436	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	19,035 MW
TNB Generation	2,143 MW
IPP Generation	15,276 MW
Spinning Reserve	1,566 MW
Maximum Demand	17,570 MW
Net Energy	375,436 MWH
Load Factor	89.03 %

Fuel Cost

Total Cost:	72,351,917.06 RM
Cost per Unit	19.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	574
Hydro	249
Syncon	703
Thermal	132
Total	1,658

Time Weather Temperature

Afternoon	Thunder St	29
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	52
TJGS	215
Total TNB	266
CBPS	54
KLPP	103
MPSS	39
NPRI	158
PGLA	109
PLPS	93
PTEK	6
SGB3	76
SGRI	159
SKSP	51
YPKA	79
Total IPP	927
Total Gas	1,194

Total Gas Required 1,194

Alternate Fuel Usage

Station	(mmcsfd)
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	15699	14931	14353	14019	13596	13332	13370	13453	13948	15701	16505	17026	16972	16717	17341	17511	17444	16844	15764	15691	16624	16570	16029	15817

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, August 26, 2019 8:01:41 AM

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

Daily MW Generation on Wednesday

		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	694	692	694	692	692	694	691	693	691	688	692	693	692	695	694	690	694	691	691	692	691	692	691	692	691	693	692	692	692	694	692	694	692	692	694	692	694	692	694	693	694	699	694			
JMAH	U002		693	695	693	692	695	694	695	694	692	688	694	694	695	693	695	693	694	695	693	695	693	694	695	695	693	695	695	694	694	694	694	695	692	694	694	694	695	692	694	694	699	694					
JMHE	U001		764	761	761	760	761	760	760	763	762	765	762	761	763	761	762	760	762	760	762	761	760	762	759	761	761	762	762	761	758	760	762	764	762	764	762	764	762	762	762	764	762	760	762	764			
JMUG	U001		683	677	678	673	675	678	678	676	676	680	678	677	682	680	677	679	680	677	682	678	674	679	676	672	671	673	671	668	671	672	672	673	677	666	672	673	677	677	671	669	675	675	674	671	675	675	672
JMJG	U003		667	667	669	666	668	668	669	668	668	668	668	667	667	671	668	664	670	668	671	667	669	668	668	672	667	667	666	669	668	667	675	671	672	668	667	670	663	665	668	667	668	669	667	668	665	668	670
JMUG	U004		973	978	978	964	882	820	819	817	816	817	818	816	815	817	815	817	817	969	982	978	979	980	980	982	978	981	980	981	983	981	982	977	979	976	976	977	977	977	977	977	977	977	977	977	978		
PKLG	U005		403	468	471	470	470	470	470	468	470	470	470	471	471	470	470	473	468	471	471	471	470	469	470	471	471	470	468	469	470	470	471	470	470	470	470	471	468	468	468	470	468	470	470	470	470		
TBIN	U001		685	686	688	689	690	689	689	689	689	689	687	688	690	690	689	690	690	689	689	685	690	688	690	689	688	690	689	691	689	689	691	690	690	689	689	686	688	689	689	687	692	694	692	692	690	690	
TBIN	U002		691	693	692	691	690	691	692	691	689	692	689	692	691	694	689	690	692	689	693	693	692	692	692	691	691	692	691	692	690	690	690	691	690	690	691	690	695	692	691	692	692	692	691	689	692	690	691
TBIN	U003		691	691	690	692	689	692	686	692	689	693	689	690	690	696	688	691	693	692	691	691	690	691	691	694	689	690	690	691	693	689	692	691	690	692	690	691	690	690	692	691	690	688	690	691	689	690	

Daily MW Generation on Wednesday

2 of 3

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			
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	15	22	31	18	16	48	50	38	22	16	12	13	35	17	21	27	29	8	9	4	2	2	2	2	2	2	2	2	2			
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	15	13	19	17	32	23	21	35	33	25	28	32	20	22	22	29	6	11	10	3	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	5	9	19	19	30	26	34	41	43	36	47	45	48	27	37	24	20	12	6	4	5	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	1	4	8	6	12	10	19	30	32	44	37	47	23	15	10	56	40	8	10	3	1	1	3	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	1	4	7	11	13	12	20	20	20	30	29	34	45	39	35	25	20	17	5	12	11	12	4	2	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	3	24	49	79	93	146	137	188	238	265	270	269	223	222	181	240	191	146	126	89	63	52	25	8	6	6	6	6	6	6	6	6	6		
PCUF	CUFG	20	21	21	21	21	20	20	21	21	22	20	21	22	20	22	21	19	22	20	23	21	21	20	20	21	21	21	21	22	20	21	21	21	20	20	20	22	21	20	21	23	21	21	21	21	21	21	20	21	
PCUF	CUFK	30	30	30	30	30	31	31	30	29	32	30	30	30	30	30	32	31	29	28	31	30	29	31	31	30	30	32	30	30	30	29	30	29	30	29	30	29	30	28	30	29	31	28	30	31	29	29	30	30	
Total Co-Gen		50	51	51	51	51	51	51	51	50	54	50	51	51	52	50	52	53	50	51	48	54	51	50	51	51	51	51	53	52	50	50	51	50	50	50	50	51	51	48	51	50	54	49	51	52	50	50	50	51	
Total Gen		15734	15317	15022	14758	14409	14236	14047	13851	13640	13498	13378	13355	13396	13505	13488	13512	13942	14973	15692	16156	16538	16704	17052	17137	17022	16866	16756	17098	17317	17469	17447	17461	17357	17165	16858	16379	15805	15647	15723	16412	16635	16660	16636	16455	16130	16107	15911	15628		
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		30	30	31	31	30	30	31	31	30	30	30	30	31	31	31	31	31	31	30	30	30	30	30	31	31	31	30	30	30	-98	-99	-99	-98	-98	-98	31	31	31	30	30	30	30	31	31	30	30	31	31		
TIE-PLTG		5	17	60	27	26	46	-3	4	13	-68	16	1	-4	9	4	2	-32	40	-27	28	19	-17	16	12	46	4	15	17	-18	42	54	37	47	35	120	72	13	25	2	8	-19	4	35	5	71	31	64	47		
Interconnection		35	47	91	58	56	76	28	35	44	-38	46	32	26	39	35	33	-1	71	3	58	49	13	47	43	76	34	45	47	12	-57	-44	-61	-51	-63	22	103	44	56	32	38	11	34	66	36	101	62	94	78		
System Total		15699	15270	14931	14700	14353	14160	14019	13816	13596	13536	13332	13323	13370	13466	13453	13479	13948	14913	15701	16116	16505	16712	17026	17136	16972	16855	16717	17072	17341	17570	17511	17548	17444	17255	16844	16285	15764	15591	15691	16374	16624	16626	16570	16419	16029	16045	15817	15550		
SRev ST-Coal		143	133	130	152	286	283	283	284	288	282	288	286	277	265	288	283	269	226	126	134	132	131	129	122	147	132	139	138	133	132	130	125	133	135	141	136	132	136	136	139	139	135	129	136	135	141	129	129		
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	-3	20	20	31	31	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		464	603	609	764	885	889	1013	1207	1410	1565	1700	1752	1719	1618	1662	1627	1283	1181	906	517	551	451	492	458	558	622	719	453	448	465	492	407	424	517	642	893	1455	1580	1493	1030	769	648	699	565	729	671	759	699		
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	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	0
SRev Co-Gen		10	9	9	9	9	9	9	9	10	6	10	9	9	8	10	8	7	10	9	12	6	9	10	9	9	9	9	7	8	10	10	9	10	10	10	10	9	9	12	9	10	6	11	9	8	10	10	10	9	
Syncon		777	741	741	489	489	338	510	489	510	510	510	510	510	510	510	640	640	741	741	741	741	590	590	741	741	741	655	705	705	705	705	705	655	806	655	829	829	829	829	728	728	728	577	678	829	829	829	829		
Hydro		105	146	145	96	129	302	114	115	114	114	114	114	114	114	224	227	144	144	127	131	135	326	333	199	136	141	283	284	234	375	367	450	327	329	138	143	142	139	108	150	145	277	266	135	134	111	133			
S.Reserve Total		1499	1632	1634	1510	1798	1821	1929	2104	2332	2477	2622	2671	2629	2515	2584	2782	2426	2302	1926	1531	1561	1468	1547	1512	1654	1640	1749	1536	1575	1566	1730	1644	1703	1875	1777	2005	2568	2699	2606	2015	1792	1667	1691	1653	1838	1785	1838	1799		