

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,073 MW
Distillate	0 MW
Total TNB	4,875 MW
Total IPP	15,628 MW
Total Co-Gen	45 MW
Total System	21,120 MW

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,956 MW
TNB Generation	3,139 MW
IPP Generation	14,469 MW
Spinning Reserve	1,305 MW
Maximum Demand	17,799 MW
Net Energy	377,368 MWH
Load Factor	88.34 %

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	52
PGPS	40
SRDG	1
TJGS	218
Total TNB	312
CBPS	54
KLPP	112
MPSS	46
NPRI	159
PGLA	111
PLPS	107
PTEK	6
SGB3	58
SGRI	181
SKSP	28
YPKA	80
Total IPP	942
Total Gas	1,255
Total Gas Required	1,255

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	44,090	11.68 %
Hydro	12,253	3.25 %
Total TNB	56,343	14.93 %
ST-Coal	183,812	48.71 %
Gas	136,087	36.06 %
Total IPP	319,899	84.77 %
Co-Gen	986	0.26 %
Total Co-Gen	986	0.26 %
Total Generation	377,228	99.96 %
PLTG	-353	-0.09 %
HVDC	213	0.06 %
Interconnection	-140	-0.04 %
Net Energy	377,368	100.00 %

Fuel Cost

Total Cost:	69,776,889.48 RM
Cost per Unit	19.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	341
Hydro	458
Syncon	507
Thermal	159
Total	1,465

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

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	15342	14636	14185	13814	13445	13172	13417	13444	13685	15449	16464	17094	16942	16648	17300	17606	17799	17365	16174	15994	17148	17140	16606	16174

Prepared By: -Select Name-

Checked By: -Select Name-

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

Daily MW Generation on Tuesday

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																										
TMGR	HY04	28	32	31	33	33	31	33	30	33	31	33	33	33	31	31	61	60	48	53	81	34	32	34	34	34	34	34	34	33	34	34	34	32	31	32	34	34	64	54	53	54	34	33	28	34					
	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	180	86	-1	-1	-1	93	92	88	90	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5				
	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2			
Total Hydro		434	354	203	210	232	205	209	203	207	190	194	174	175	176	195	172	176	325	480	550	447	549	814	751	820	514	361	464	826	994	958	1057	1042	989	845	578	513	517	525	633	868	790	749	699	457	507	475	489		
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	0	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	27	27	25	27	26	25	25	24	23	23	24	24	24	23	23	24	23	22	22	22	27	28	30	31	27	28	28	28	27	27	28	28	28	28	28	28	28	29	29	28	29	29	28	28	29	28	30			
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Total Co-Gen		42	42	40	42	41	40	40	39	38	38	38	39	39	38	38	39	38	38	39	38	37	37	37	42	43	45	46	42	43	43	43	42	42	43	43	43	43	44	44	43	44	44	43	43	44	43	44	43	45	
Total Gen		15386	15012	14633	14280	14189	13866	13806	13514	13438	13242	13152	13146	13408	13615	13458	13272	13704	14742	15444	16004	16427	16787	17090	17116	16989	16841	16671	16969	17177	17476	17485	17602	17651	17639	17317	16767	16270	15896	16024	16813	17145	17236	17168	17005	16663	16570	16271	15901		
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	0	
TIE-HVDC		30	30	30	31	31	31	31	30	30	30	31	31	30	30	30	31	31	31	31	31	31	31	31	30	30	-98	-98	-98	-98	-98	-99	-99	-98	30	30	30	31	31	31	31	31	31	30	30	30	30	30	30		
TIE-PLTG		14	-25	-33	-54	-27	-69	-39	-9	-36	-5	-50	-38	-39	21	-16	-34	-11	-34	-36	-30	-68	-74	-34	5	16	-6	-7	-77	-25	-32	-23	-10	-50	17	51	45	66	-14	0	10	-34	1	-3	-2	26	5	67	-5		
Interconnection		44	5	-3	-24	4	-38	-8	21	-7	25	-20	-7	-9	51	14	-4	19	-3	-5	1	-37	-43	-4	36	47	25	23	-47	-123	-130	-121	-109	-148	-82	-48	-54	96	16	30	41	-3	32	28	28	57	35	97	26		
System Total		15342	15007	14636	14304	14185	13904	13814	13493	13445	13217	13172	13153	13417	13564	13444	13276	13685	14745	15449	16003	16464	16830	17094	17080	16942	16816	16648	17016	17300	17606	17606	17711	17799	17721	17365	16821	16174	15880	15994	16772	17148	17204	17140	16977	16606	16535	16174	15875		
SRev ST-Coal		150	163	194	289	296	290	306	301	289	298	301	298	307	301	281	295	303	286	287	153	142	146	167	147	151	149	144	140	148	145	171	136	129	154	125	145	138	141	128	128	140	147	143	203	202	145	153	147		
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	4	7	12	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		869	793	858	997	937	1238	1288	1578	1671	1839	1930	1920	1654	1451	1644	2143	1708	809	769	750	487	224	264	195	247	96	369	180	327	195	230	237	298	211	434	489	928	1303	1107	426	376	231	262	314	387	616	713	706		
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 Co-Gen		3	3	5	3	4	5	5	6	7	7	7	6	6	7	7	6	6	6	7	7	6	7	8	8	8	3	2	0	-1	3	2	2	2	2	3	3	2	2	2	1	1	2	1	1	2	2	1	2	0	
Syncon		847	847	948	948	797	948	948	948	948	797	797	948	948	948	797	948	948	998	827	676	827	525	374	439	338	525	626	626	525	338	338	338	338	338	338	640	538	538	725	725	676	525	525	525	827	676	761	761		
Hydro		122	202	152	145	274	150	146	152	148	292	288	157	156	155	287	159	155	106	122	303	255	455	565	556	588	507	559	556	555	574	610	511	526	579	512	264	245	241	232	310	299	466	507	482	246	297	244	153		
S.Reserve Total		1991	2008	2157	2382	2308	2631	2693	2985	3063	3233	3323	3329	3071	2862	3016	3551	3120	2205	2012	1889	1717	1357	1378	1345	1332	1280	1700	1502	1554	1255	1355	1231	1305	1294	1421	1540	1851	2225	2193	1590	1493	1370	1438	1526	1664	1735	1873	1767		