

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,352 MW
Hydro	2,478 MW
Distillate	0 MW
Total TNB	4,830 MW
Total IPP	15,424 MW
Total Co-Gen	0 MW
Total System	20,254 MW

Generation Mix

Type	MWh	Percentage
Gas	44,136	11.90 %
Hydro	29,717	8.01 %
Total TNB	73,853	19.91 %
ST-Coal	161,451	43.53 %
ST-Gas	1,935	0.52 %
ST-Oil	4,070	1.10 %
Gas	115,789	31.22 %
Distillate	11,359	3.06 %
Total IPP	294,604	79.43 %
Co-Gen	1,028	0.28 %
Total Co-Gen	1,028	0.28 %
Total Generation	369,485	99.63 %
PLTG	257	0.07 %
HVDC	-1,647	-0.44 %
Interconnection	-1,390	-0.37 %
Net Energy	370,875	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,677 MW
TNB Generation	3,648 MW
IPP Generation	13,690 MW
Spinning Reserve	1,294 MW
Maximum Demand	17,486 MW
Net Energy	370,875 MWH
Load Factor	88.37 %

Fuel Cost

Total Cost:	67,385,640.67 RM
Cost per Unit	19.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	686
Hydro	515
Syncon	302
Thermal	122
Total	1,625

Time Weather Temperature

Afternoon	Hot	38
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	50	PLPS	21
GLGR	51	SGRI	73
PAKA	23	PKLG	40
PGPS	41	Total	134
SRDG	12		
TJGS	165		
Total TNB	341		
CBPS	52		
KLPP	99		
MPSS	49		
NPRI	154		
PGLA	106		
PKLG	1		
PLPS	73		
PTEK	11		
SGB3	46		
SGRI	72		
SKSP	48		
YPKA	83		
PKLG	20		
Total IPP	814		
Total Gas	1,155		
Total Gas Required	1,289		

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	15359	14351	13829	13384	12991	12836	13193	13153	13380	15104	16065	16772	16722	16543	17090	17383	17377	17137	16002	15809	16901	16759	16251	15868

Daily MW Generation on Thursday

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	
PGAU	HY02	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	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	HY02	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	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	
SYPS	HY02	24	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	17	17	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	33	32	33	32	63	63	63	63	63	63	63	83	83	83	32	62	62	60	51	52	61	62	61	62	61
TMGR	HY02	31	28	33	33	64	64	64	64	64	64	85	85	85	33	64	64	60	52	53	54	63	64	64	64	
TMGR	HY03	31	28	31	31	61	61	61	61	61	61	82	82	82	31	61	61	57	48	50	51	60	60	61	61	
TMGR	HY04	32	28	32	32	62	62	62	62	62	62	83	83	83	32	62	62	58	49	51	52	61	62	62	62	
UJLI	HY01	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02	85	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		1313	1112	922	914	1014	1013	1012	949	886	885	885	908	1221	1250	1129	829	1005	1033	1005	973	977	1097	1381	1406	
PLPS	GT11	151	151	151	151	151	152	152	152	152	152	152	150	151	151	150	152	151	147	149	145	143	0	0	0	
SGRI	GT12	120	116	120	123	123	123	120	119	120	119	120	115	115	119	119	109	109	71	71	111	108	111	128	130	
SGRI	GT21	123	123	123	123	124	123	124	126	126	126	126	126	126	126	126	126	126	123	123	124	124	113	112	68	
Total Distillate		394	390	394	397	398	398	396	397	398	397	398	401	397	401	398	396	396	390	389	390	392	367	364	139	
PCUF	CUFG	2	3	2	2	3	3	2	2	2	4	2	3	3	3	4	4	4	4	2	2	1	-1	-1	0	
PCUF	CUFK	27	26	28	28	38	40	41	40	40	40	39	38	41	41	40	40	42	40	41	41	39	40	39	40	
Total Co-Gen		29	29	30	41	43	43	42	44	41	41	44	44	44	46	44	45	42	40	39	38	41	45	46	45	
Total Gen		15316	14836	14238	13911	13756	13587	13270	13208	12903	12877	12760	12921	13097	13192	13050	12839	13260	14384	15050	15572	15943	16367	16672	16794	
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		-99	-99	-98	-97	-98	-98	-98	-97	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	
TIE-PLTG		56	61	-15	-16	25	6	-17	15	9	17	22	-9	2	9	-5	-31	-22	27	43	31	-23	-21	-3		
Interconnection		-43	-38	-113	-113	-73	-92	-114	-83	-88	-80	-76	-107	-96	-89	-103	-130	-120	-71	-54	-67	-122	-120	-100		
System Total		15359	14874	14351	14024	13829	13679	13384	13291	12991	12957	12836	13028	13193	13281	13153	12969	13380	14455	15104	15639	16065	16487	16772	16835	
SRev ST-Coal		104	120	98	94	107	43	37	191	199	194	200	183	200	182	186	199	203	200	197	182	139	131	135	103	
SRev 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	
SRev OCGT-Gas		11	5	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		1177	1131	1354	1418	1388	1578	1898	1833	1984	1999	2107	1948	2070	2133	2112	2310	2128	1511	1310	1017	822	595	507	432	
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 Distillate		32	36	32	29	28	28	30	29	28	29	28	25	29	25	28	30	30	36	37	36	34	59	62	144	
SRev Co-Gen		7	7	6	6	-5	-7	-7	-6	-6	-8	-5	-5	-8	-8	-10	-8	-9	-6	-4	-3	-2	-5	-9	-10	
Syncon		0	640	827	827	827	827	953	1079	1079	1079	928	579	428	766	953	827	676	676	676	676	676	489	338	338	
Hydro		858	419	422	405	255	256	257	194	131	132	132	260	296	418	201	314	264	387	415	447	443	323	451	577	
S.Reserve Total		2189	2358	2739	2779	2600	2725	3042	3194	3415	3425	3541	3339	3166	3208	3315	3829	3474	2829	2629	2347	2115	1761	1638	1520	