

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,398 MW
Distillate	0 MW
Total TNB	5,441 MW
Total IPP	15,087 MW
Total Co-Gen	40 MW
Total System	21,132 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,895 MW
TNB Generation	3,020 MW
IPP Generation	13,273 MW
Spinning Reserve	1,562 MW
Maximum Demand	16,271 MW
Net Energy	346,437 MWH
Load Factor	88.72 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	49	Total	0
SRDG	32		
TJGS	215		
Total TNB	295		
CBPS	54		
KLPP	100		
NPRI	150		
PDPS	6		
PGLA	106		
PKLG	17		
PLPS	72		
SGB3	88		
SGRI	109		
Total IPP	701		
Total Gas	996		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
Gas	39,739	11.47 %
Hydro	20,038	5.78 %
Total TNB	59,777	17.25 %
ST-Coal	192,165	55.47 %
Gas	94,252	27.21 %
Total IPP	286,417	82.68 %
Co-Gen	859	0.25 %
Total Co-Gen	859	0.25 %
Total Generation	347,053	100.18 %
PLTG	-114	-0.03 %
HVDC	730	0.21 %
Interconnection	616	0.18 %
Net Energy	346,437	100.00 %

Fuel Cost

Total Cost:	54,312,253.95 RM
Cost per Unit	16.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	387
Hydro	456
Syncon	645
Thermal	269
Total	1,757

Total Gas Required 996

Time Weather Temperature

Afternoon	Cloudy	34
Morning	Cloudy	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	13639	12942	12561	12223	12079	11946	12181	12406	12684	14338	15264	15769	15560	15240	15819	16259	16271	15877	15220	14976	15986	15991	15394	15046

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	17	20	21	22	22	30																						
PCUF	CUFK	30	31	30	30	29	31	30	30	30	30	31	30	29	30	30	30	30	30	31	29	41	41	37	39	42	30	30	31	31	40	40	40	40	40	39	40	40	40	38	31	30	30	31	29	30	29	30	29		
Total Co-Gen		30	31	30	30	29	31	30	30	30	30	31	30	29	30	30	30	30	30	31	29	41	41	37	39	42	30	30	31	31	40	40	40	40	40	39	40	40	40	38	31	30	30	31	29	30	29	30	29		
Total Gen		13607	13220	12922	12717	12551	12443	12241	12117	12058	11990	11955	11978	12183	12510	12454	12199	12727	13688	14315	14822	15291	15650	15815	15904	15621	15350	15293	15518	15821	16210	16269	16282	16333	16251	15952	15812	15315	14983	15005	15876	16019	16028	16020	15853	15411	15373	15138	14770		
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		31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	31	
TIE-PLTG		-63	-73	-50	-62	-41	-37	-13	-6	-51	-43	-22	4	-27	18	18	16	13	-10	-54	-83	-4	-2	16	4	31	28	22	-74	-29	-27	-21	42	32	40	45	82	65	-5	-2	-11	3	9	-1	20	-13	21	62	6		
Interconnection		-32	-43	-20	-32	-10	-7	18	25	-21	-12	9	35	2	48	48	46	43	21	-23	-52	27	29	46	34	61	57	53	-44	2	4	10	72	62	70	75	112	95	26	29	19	33	39	29	51	17	51	92	37		
System Total		13639	13263	12942	12749	12561	12450	12223	12092	12079	12002	11946	11943	12181	12462	12406	12153	12684	13667	14338	14874	15264	15621	15769	15870	15560	15293	15240	15562	15819	16206	16259	16210	16271	16181	15877	15700	15220	14957	14976	15857	15986	15989	15991	15802	15394	15322	15046	14733		
SRev	ST-Coal	302	490	604	557	569	548	573	561	614	619	569	652	705	536	560	550	557	524	365	458	240	171	156	172	141	298	366	397	386	382	225	160	163	220	399	206	140	624	592	580	592	364	193	163	161	168	164	167		
SRev	OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	5	5	2	142	143	143	5	1	2	2	2	0	5	6	39	151	72	81	-3	-1	-1	0	118	0	0	0	0	
SRev	CCGT-Gas	1145	1175	1252	1312	1444	1567	1748	1903	1909	1648	1611	1427	1336	924	1032	1303	929	930	805	285	281	369	468	392	563	530	613	367	329	275	322	372	317	364	456	817	1311	731	608	192	246	370	290	254	456	484	534	534		
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	10	9	10	10	11	9	10	10	10	10	10	9	10	11	10	10	10	10	10	9	11	-1	-1	3	1	-2	10	10	9	9	0	0	0	0	0	1	0	0	2	9	10	32	22	21	19	19	18	11		
Syncon		1183	1183	1183	1183	1183	1183	1183	1183	1183	1032	1183	1032	1334	1334	1334	1334	1250	928	928	651	651	651	651	777	928	928	928	464	313	651	651	651	500	651	500	500	928	928	464	464	500	626	777	777	777	777	777	777		
Hydro		73	76	81	73	76	73	74	93	93	88	216	67	192	62	65	67	67	66	246	242	445	367	368	391	410	279	283	273	541	715	426	428	429	560	432	703	740	280	240	595	407	472	680	554	557	555	551	520		
S.Reserve Total		2713	2933	3130	3135	3283	3380	3588	3750	3809	3548	3438	3338	3275	2867	3001	3264	2897	2780	2354	1922	1628	1554	1647	1614	1894	2175	2343	2118	1734	1695	1626	1613	1562	1644	1943	2233	2730	2714	2442	1921	1716	1737	1810	1769	2088	2003	2044	2009		