

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	6,059 MW
Total IPP	15,971 MW
Total Co-Gen	68 MW
Total System	22,662 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:	00:00:00 Hour
Total Set On Bus	13,961 MW
TNB Generation	2,205 MW
IPP Generation	9,948 MW
Spinning Reserve	1,730 MW
Maximum Demand	12,227 MW
Net Energy	253,215 MWH
Load Factor	86.29 %

Gas Usage

Station	(mmscfd)
GLGR	34
TJGS	212
Total TNB	246
CBPS	57
NPRI	147
PGLA	3
PLPS	45
SGRI	60
Total IPP	312
Total Gas	557
Total Gas Required	557

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	35,038	13.84 %
Hydro	10,080	3.98 %
Total TNB	45,118	17.82 %
ST-Coal	161,642	63.84 %
Gas	45,236	17.86 %
Total IPP	206,878	81.70 %
Co-Gen	1,695	0.67 %
Total Co-Gen	1,695	0.67 %
Total Generation	253,691	100.19 %
PLTG	-993	-0.39 %
HVDC	1,469	0.58 %
Interconnection	476	0.19 %
Net Energy	253,215	100.00 %

Fuel Cost

Total Cost:	36,580,679.45 RM
Cost per Unit	15.02 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	271
Hydro	321
Syncon	1,198
Thermal	403
Total	2,193

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	12227	11672	11129	10714	10393	10138	10052	9978	9426	9305	9538	9721	9734	9811	10084	10207	10353	10489	10418	10689	11877	11918	11778	11676

Daily MW Generation on Sunday

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	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	21
KNYR	HY01	62	60	59	66	-1	-1	-1	-1	-1	-1	-1	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	100	101
KNYR	HY02	-1	-1	-1	62	59	59	58	58	58	60	60	60	61	101	59	59	60	59	60	60	60	61	61	68	68
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	101	101	
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	102	101	101	
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	18	18	19	81	21	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	82	20	20	20	20	21	21	21	21	21	21	21	21	
PGAU	HY04	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	21	21	21	21	21	21	21	20	20	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	49	49	49	
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	25	25	25	
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	25	25	25	
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	25	25	25	
SYPS	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	25	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	35	35	35	35	35	34	34	35	35	35	35	35	35	35	35	35	33	33	33	38	38	38	38	38	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	0	0	0	0	0	0	0	0	34	34	34	34	34	34	34	34	33	33	33	0	0	0	0	0	
UJLI	HY01	-1	-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	186	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	
Total Hydro		492	303	252	321	222	200	198	198	199	199	296	296	297	522	442	297	298	298	301	299	300	297	291	293	
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	
PCUF	CUFG	37	36	37	37	36	36	36	37	38	37	39	38	37	35	35	35	35	35	33	34	33	34	33	34	
PCUF	CUFK	41	41	39	39	39	40	41	40	41	41	40	40	39	40	39	40	39	34	36	34	33	31	29	28	
Total Co-Gen		78	77	76	76	75	76	77	77	79	78	79	78	76	77	76	75	76	69	71	69	68	64	63	61	
Total Gen		12231	11976	11684	11410	11155	10941	10727	10555	10392	10260	10124	10060	10047	10136	9993	9685	9413	9307	9322	9392	9524	9636	9699	9681	
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		31	31	30	30	31	31	30	32	29	29	31	31	31	30	30	32	31	32	32	31	31	30	30	30	
TIE-PLTG		-27	-23	-18	0	-5	-3	-18	-15	-30	-8	-44	-5	-36	-44	-15	-8	-44	-29	-14	-24	-46	-53	-53		
Interconnection		4	9	12	30	26	27	13	16	-1	22	-14	26	-5	-13	15	22	-13	2	17	7	-14	-22	-22		
System Total		12227	11967	11672	11380	11129	10914	10714	10539	10393	10238	10138	10034	10052	10149	9978	9663	9426	9305	9305	9385	9538	9658	9721	9726	
SRev ST-Coal		349	267	291	287	284	353	426	570	617	759	772	726	728	646	645	642	639	648	644	643	647	648	648	645	
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	
SRev CCGT-Gas		111	200	420	206	123	203	299	280	246	124	36	98	107	9	72	204	371	470	450	382	246	129	190	207	
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 Co-Gen		-10	-9	-8	-8	-7	-8	-9	-9	-11	-10	-11	-10	-8	-9	-8	-7	-7	-8	-1	-3	-1	0	4	5	
Syncon		1142	1329	1329	1228	1178	1329	1329	1329	1329	1027	1027	1027	840	926	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	
Hydro		138	140	141	173	272	143	145	145	144	144	582	582	581	543	537	581	580	580	577	579	578	581	587	585	
S.Reserve Total		1730	1927	2173	1886	1850	2020	2190	2315	2325	2346	2406	2423	2435	2029	2172	2447	2610	2717	2697	2628	2497	2385	2456	2469	