

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,002 MW
Hydro	1,873 MW
Distillate	0 MW
Total TNB	4,875 MW
Total IPP	14,561 MW
Total Co-Gen	27 MW
Total System	20,000 MW

Generation Mix

Type	MWh	Percentage
Gas	56,146	15.83 %
Hydro	7,328	2.07 %
Total TNB	63,474	17.89 %
ST-Coal	183,430	51.71 %
Gas	106,500	30.02 %
Total IPP	289,930	81.73 %
Co-Gen	499	0.14 %
Total Co-Gen	499	0.14 %
Total Generation	353,903	99.77 %
PLTG	-213	-0.06 %
HVDC	-613	-0.17 %
Interconnection	-826	-0.23 %
Net Energy	354,729	100.00 %

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:	14:30:00 Hour
Total Set On Bus	18,452 MW
TNB Generation	3,672 MW
IPP Generation	13,381 MW
Spinning Reserve	1,380 MW
Maximum Demand	17,093 MW
Net Energy	354,729 MWH
Load Factor	86.47 %

Fuel Cost

Total Cost:	49,120,770.65 RM
Cost per Unit	14.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	497
Hydro	304
Syncon	633
Thermal	133
Total	1,567

Time	Weather	Temperature
Afternoon	Rainy	33
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	13867	13159	12788	12358	12082	11908	12165	12104	12756	14844	15940	16646	16680	16392	16925	17044	17048	16519	15212	14933	16058	15971	15527	15243

Gas Usage

Station	(mmscfd)
CBPS	24
GLGR	55
PAKA	135
PGGS	19
PGPS	41
SRDG	31
TJGS	150
Total TNB	455
CBPS	50
KLPP	97
MPSS	52
NPRI	134
PDPS	32
PGLA	109
PKLG	20
PLPS	96
PTEK	34
SGRI	189
SKSP	18
Total IPP	830
Total Gas	1,284
Total Gas Required	1,284

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Monday

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	-1	-1	-1	-1	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	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	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	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
SYPS	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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	34	35	35	35	35	34	34	34	33	30	30	35	36	32	34	36	36	39	83	41	74	68	69	69
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		204	209	207	207	208	202	195	204	197	165	159	159	206	193	162	178	190	209	233	615	383	479	478	549
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	1	2	1	1	1	1	1	2	3	1	1	3	3	2	2	2	1	2	0	1	-1	2	1	1
PCUF	CUFK	15	21	21	20	19	20	19	21	19	20	19	20	22	20	22	19	21	20	19	21	20	20	21	20
Total Co-Gen		16	23	22	21	20	21	21	20	23	22	21	20	23	25	22	24	21	22	22	19	22	19	22	22
Total Gen		13894	13508	13213	12953	12757	12620	12338	12291	12065	12033	11958	11942	12137	12191	12053	12083	12705	13878	14768	15446	15888	16385	16614	
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		30	31	31	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-3	25	23	0	-2	4	10	-6	12	25	79	52	2	25	-22	-2	-22	-13	-46	1	-22	8	-4	
Interconnection		27	56	54	-29	-31	-26	-20	-35	-17	-4	50	22	-28	-4	-51	-31	-51	-42	-76	-29	-52	-21	-32	
System Total		13867	13452	13159	12982	12788	12646	12358	12326	12082	12037	11908	11920	12165	12195	12104	12034	12756	13920	14844	15475	15940	16406	16646	
SRev ST-Coal		227	234	245	241	234	246	259	236	252	241	246	252	231	240	230	220	272	255	215	220	123	130	144	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	12	218	308	225	253	
SRev CCGT-Gas		500	312	540	804	1009	1077	1340	1417	1621	1632	1696	1786	1662	1688	1801	1839	1589	813	353	255	351	331	249	
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	
SRev Co-Gen		11	4	5	6	7	6	6	7	4	5	6	7	4	2	5	3	6	5	5	8	5	8	5	
Syncon		802	802	802	802	802	802	802	651	802	802	802	802	802	802	802	802	802	651	563	651	651	651	563	
Hydro		93	88	80	88	87	93	100	91	249	130	136	136	89	102	133	117	105	86	213	93	237	141	367	
S.Reserve Total		1633	1440	1678	1941	2139	2224	2507	2553	2777	2810	2886	2983	2788	2834	2971	2981	2774	1961	1437	1275	1379	1479	1724	