

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,506 MW
Hydro	1,835 MW
Distillate	0 MW
Total TNB	10,421 MW
Total IPP	9,659 MW
Total Co-Gen	0 MW
Total System	20,362 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,306	19.20 %
Gas	80,059	22.50 %
Hydro	20,564	5.78 %
Total TNB	168,929	47.48 %
ST-Coal	112,987	31.76 %
Gas	72,805	20.46 %
Total IPP	185,792	52.22 %
Co-Gen	1,006	0.28 %
Total Co-Gen	1,006	0.28 %
Total Generation	355,727	99.99 %
PLTG	116	0.03 %
HVDC	-144	-0.04 %
Interconnection	-28	-0.01 %
Net Energy	355,755	100.00 %

Maximum Demand Record

Date: 3/9/2016	17,175 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	17,967 MW
TNB Generation	8,234 MW
IPP Generation	8,674 MW
Spinning Reserve	1,016 MW
Maximum Demand	16,974 MW
Net Energy	355,755 MWH
Load Factor	87.33 %

Fuel Cost

Total Cost:	47,746,733.60 RM
Cost per Unit	14.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	632
Hydro	372
Syncon	44
Thermal	114
Total	1,162

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

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	14656	14006	13396	13096	12685	12438	12405	12510	12635	14432	15464	16217	16185	15785	16128	16764	16941	16645	15437	14893	15980	15962	15522	15294

Gas Usage

Station	(mmscfd)
CBPS	55
GLGR	52
NPRI	136
PAKA	48
PGGS	8
PGPS	52
SRDG	2
TJGS	215
Total TNB	569
KLPP	108
MPSS	59
PDPS	31
PGLA	111
PLPS	76
PTEK	22
SGRI	153
SKSP	30
Total IPP	592
Total Gas	1,161
Total Gas Required	1,161

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Friday

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	HY03	60	36	32	37	33	30	32	32	31	34	35	38	34	33	31	27	38	34	57	58	58	65	61	59	57	61	61	82	85	85	85	83	77	77	78	82	79	79	82	80	80	80	80	81	81	80	80			
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	57	57	64	59	57	56	59	60	59	60	75	78	81	81	81	76	76	76	79	75	75	78	75	75	75	75	75	75	76	74	74			
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	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		286	267	258	264	258	252	260	260	260	259	263	266	274	264	262	256	254	276	273	1003	1200	1179	1398	1450	1420	1261	1341	1355	1311	1402	1404	1549	1495	1496	1247	1110	1048	999	976	1066	1377	1364	1323	1230	1222	923	931	946		
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	21	21	22	23	22	23	23	22	23	23	24	23	24	25	22	24	23	23	23	23	23	24	22	23	23	22	23	23	24	23	24	24	26	27	27	26	28	26	26	27	26	27	27	26	26	27	26			
PCUF	CUFK	16	17	18	19	17	18	18	18	18	18	19	19	18	19	18	18	19	17	19	18	19	17	17	17	18	18	16	15	18	16	16	17	18	18	19	18	19	18	19	17	19	18	17	18	20	19	18			
Total Co-Gen		37	38	40	42	40	39	41	41	41	40	41	41	43	42	42	44	40	42	42	40	42	41	43	39	40	40	40	41	39	39	41	40	40	43	45	45	44	47	44	45	44	45	44	45	44	44	44	46	46	44
Total Gen		14708	14201	14008	13682	13381	13222	13037	12887	12684	12681	12454	12421	12390	12618	12515	12341	12729	13698	14401	15021	15456	15821	16169	16400	16283	15947	15795	15876	16139	16459	16730	16923	16983	16951	16707	16047	15479	14944	14873	15461	16019	15967	15981	15831	15519	15359	15187	15013		
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		-22	-23	-23	-23	-23	-22	-22	-23	-23	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-PLTG		74	11	25	5	8	21	-36	13	22	37	16	-41	-15	-6	4	-6	94	32	-32	1	-8	-27	-48	39	98	44	10	-9	11	-29	-34	-11	42	-23	62	-21	42	-39	-20	-50	39	-22	-12	27	26	-24	-78	21		
Interconnection		52	-12	2	-17	-15	-1	-59	-11	-1	37	16	-41	-15	-6	5	-6	94	32	-31	1	-8	-27	-48	39	98	44	10	-9	11	-29	-34	-11	42	-23	62	-21	42	-39	-20	-50	39	-51	19	57	-3	-53	-107	-9		
System Total		14656	14213	14006	13699	13396	13223	13096	12898	12685	12644	12438	12462	12405	12624	12510	12347	12635	13666	14432	15020	15464	15848	16217	16361	16185	15903	15785	15885	16128	16488	16764	16934	16941	16974	16645	16068	15437	14983	14893	15511	15980	16018	15962	15774	15522	15412	15294	15022		
SRev ST-Coal		139	106	130	224	279	272	277	260	255	251	288	399	445	257	245	268	185	133	108	125	126	146	77	138	126	133	138	109	165	278	287	89	119	131	129	138	128	114	119	141	33	18	38	34	16	37	126	188		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		521	991	572	812	1047	1210	1398	1566	1774	1779	1974	1898	1894	1646	1753	1904	1802	908	368	541	689	521	462	530	623	630	855	821	684	551	504	512	557	585	596	585	588	995	1035	616	462	519	388	537	671	613	595	679		
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		-26	-27	-29	-31	-29	-28	-30	-30	-30	-29	-30	-30	-32	-31	-31	-33	-29	-31	-31	-29	-31	-30	-32	-28	-29	-29	-29	-30	-28	-28	-30	-29	-29	-32	-34	-34	-33	-36	-33	-34	-33	-34	-33	-34	-33	-33	-35	-35	-33	
Syncon		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	227	0	0	126	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
Hydro		458	477	486	480	486	492	484	484	484	485	481	478	470	480	482	488	490	468	471	549	579	600	255	329	359	368	288	274	318	227	225	230	284	283	307	444	506	555	578	488	402	415	381	324	327	349	341	326		
S.Reserve Total		1602	2057	1669	1995	2293	2456	2639	2790	2993	2996	3223	3255	3287	2862	2959	3137	2958	1988	1426	1423	1373	1247	898	1208	1325	1515	1668	1587	1324	1216	1051	915	984	1016	1033	1272	1501	2037	2107	1518	1024	1076	1013	1009	996	1256	1319	1452		