

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,726 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	5,035 MW
Total IPP	14,013 MW
Total Co-Gen	0 MW
Total System	19,048 MW

Generation Mix

Type	MWh	Percentage
Gas	50,982	14.91 %
Hydro	19,612	5.74 %
Total TNB	70,594	20.65 %
ST-Coal	170,307	49.81 %
ST-Gas	7,107	2.08 %
Gas	91,583	26.79 %
Total IPP	268,997	78.68 %
Co-Gen	1,755	0.51 %
Total Co-Gen	1,755	0.51 %
Total Generation	341,346	99.84 %
PLTG	138	0.04 %
HVDC	-693	-0.20 %
Interconnection	-555	-0.16 %
Net Energy	341,901	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:	11:30:00 Hour
Total Set On Bus	17,033 MW
TNB Generation	3,718 MW
IPP Generation	12,213 MW
Spinning Reserve	1,036 MW
Maximum Demand	16,017 MW
Net Energy	341,901 MWH
Load Factor	88.94 %

Fuel Cost

Total Cost:	55,583,792.95 RM
Cost per Unit	17.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	602
Hydro	338
Syncon	795
Thermal	84
Total	1,819

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	54
PAKA	158
PGPS	40
TJGS	110
Total TNB	407
CBPS	55
KLPP	103
MPSS	48
NPRI	142
PGLA	55
PLPS	71
PTEK	3
SGRI	161
SKSP	48
PKLG	72
Total IPP	759
Total Gas	1,166
Total Gas Required	1,166

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14353	13535	13055	12563	12215	12015	12217	12134	12522	14091	15131	15675	15767	15339	15539	15904	15877	15577	14609	14396	15264	15046	14548	14185

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	80	80	80	80	30	30	30	30	30	30	30	30	30	30	70	70	30	30	30	70	70	70	70	30	85	85	0	0	0	0	0	80	80	80	80	80	80	80	80	30	30								
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	30	30	30	30	30	70	70	70	70	30	85	85	-1	-1	-1	-1	80	80	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	94	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
UJLI	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	-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	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
Total Hydro		833	814	638	635	486	472	366	368	385	364	362	361	361	380	320	345	473	685	706	757	998	1104	1220	1281	1364	1144	872	924	1262	1568	1328	1331	1118	1154	1013	769	716	620	627	1029	1031	1025	951	958	977	902	730	767	
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	40	41	39	40	38	40	40	40	39	39	40	39	40	39	39	39	39	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	40	39	38	40	39	39	40	40	38	39	39			
PCUF	CUFK	30	36	34	33	33	34	34	34	36	33	34	37	37	36	36	35	35	35	35	33	32	33	32	27	27	27	26	30	34	32	33	31	33	32	34	34	33	34	33	33	36	37	37	36	41	41	41	39	
Total Co-Gen		70	77	73	73	71	74	74	74	75	72	74	76	77	76	75	74	74	73	75	72	72	72	71	66	66	65	65	69	74	71	72	70	72	71	71	73	72	74	72	71	76	76	76	76	81	79	80	78	
Total Gen		14281	13771	13467	13189	12943	12729	12546	12341	12186	12117	12009	12094	12211	12393	12139	12122	12494	13373	14020	14553	15109	15439	15671	15997	15771	15526	15287	15210	15545	15856	15890	15937	15902	15896	15584	15069	14563	14312	14366	15290	15236	15214	15034	14813	14531	14360	14180	13834	
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	
TIE-HVDC		-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-28	-29	-29	-29	-30	-29	-29	-30	-29	-29	-29	-29	-30	-30	-31	-29	-29	-28	-29	-29	-28	-28	-28	-28	-29	-28	-28	-28	-28	-28	-31	-28			
TIE-PLTG		-44	-8	-39	-50	-84	-14	12	-9	0	42	23	47	22	-20	33	12	1	-12	-42	-20	7	11	26	11	33	17	-23	-33	35	35	16	10	54	8	35	-21	-17	25	-2	44	0	44	16	4	11	28	25	29	
Interconnection		-72	-36	-68	-79	-112	-43	-17	-39	-29	13	-6	18	-6	-49	5	-15	-28	-41	-71	-51	-22	-18	-4	-20	4	-13	-52	-62	6	5	-14	-21	25	-21	7	-50	-46	-4	-30	16	-28	15	-12	-23	-17	0	-5	1	
System Total		14353	13807	13535	13268	13055	12772	12563	12380	12215	12104	12015	12076	12217	12442	12134	12137	12522	13414	14091	14604	15131	15457	15675	16017	15767	15539	15339	15272	15539	15851	15904	15958	15877	15917	15577	15119	14609	14316	14396	15274	15264	15199	15046	14836	14548	14360	14185	13833	
SRev ST-Coal		166	205	201	210	210	186	173	173	129	112	100	98	104	102	100	191	118	93	124	80	-9	95	-308	-337	142	157	143	138	146	143	146	151	152	157	151	138	148	148	131	151	155	151	138	153	157	157	150	146	
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	-4	-2	-2	-2	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		709	925	704	792	626	862	948	1127	1372	1433	1552	1470	1348	1188	1402	1434	1263	1366	1033	767	634	610	607	365	685	694	675	823	671	778	500	449	272	269	375	590	843	989	957	494	573	621	695	660	862	953	992	902	
SRev ST-Gas		25	25	24	24	-5	-15	-10	16	-10	-6	-7	-7	-7	-6	-6	-6	-6	-6	-12	-74	-130	-2	-3	-2	-2	-2	-2	0	0	0	0	0	0	0	42	39	37	37	66	46	66	54	40	-8	-62	5			
SRev Co-Gen		-22	-29	-25	-25	-23	-26	-26	-26	-27	-24	-26	-28	-29	-28	-27	-26	-26	-25	-27	-24	-24	-24	-23	-18	-18	-17	-17	-21	-26	-23	-24	-22	-24	-23	-23	-25	-24	-26	-24	-23	-28	-28	-28	-28	-33	-31	-32	-30	
Syncon		1165	1165	1253	1253	1253	1354	1354	1203	1354	1354	1354	1354	1304	1455	1455	1253	777	777	777	525	525	525	676	676	827	953	892	741	489	676	676	676	802	1079	1165	1165	1250	1250	1079	1079	1079	1165	1165	1014	1014	1165	913		
Hydro		86	66	32	35	84	98	103	101	235	105	107	108	108	189	123	98	171	520	649	675	786	680	564	352	269	338	484	493	306	252	305	302	515	353	67	140	155	103	96	51	49	55	43	36	168	243	264	229	
S.Reserve Total		2129	2357	2189	2289	2145	2358	2542	2745	2902	2974	3080	2995	2878	2748	3047	3146	2773	2725	2544	2201	1782	1884	1362	1036	1752	1997	2236	2313	1838	1635	1601	1554	1589	1595	1649	2135	2411	2586	2532	1818	1874	1944	2067	2026	2208	2328	2477	2415	