

Availability at Daily Maximum Demand Hour

ST-Coal	2,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,581 MW
Hydro	1,835 MW
Distillate	0 MW
Total TNB	9,406 MW
Total IPP	10,383 MW
Total Co-Gen	0 MW
Total System	20,071 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,701	19.21 %
Gas	61,056	17.33 %
Hydro	12,159	3.45 %
Total TNB	140,916	39.99 %
ST-Coal	134,948	38.30 %
Gas	76,172	21.62 %
Total IPP	211,120	59.91 %
Co-Gen	1,369	0.39 %
Total Co-Gen	1,369	0.39 %
Total Generation	353,405	100.29 %
PLTG	288	0.08 %
HVDC	729	0.21 %
Interconnection	1,017	0.29 %
Net Energy	352,388	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:	16:00:00 Hour
Total Set On Bus	18,120 MW
TNB Generation	6,726 MW
IPP Generation	10,101 MW
Spinning Reserve	1,246 MW
Maximum Demand	16,848 MW
Net Energy	352,388 MWH
Load Factor	87.15 %

Fuel Cost

Total Cost:	45,776,520.10 RM
Cost per Unit	13.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	448
Hydro	351
Syncon	331
Thermal	156
Total	1,286

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	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	14533	13943	13369	13007	12559	12365	12274	12353	12657	14393	15371	16096	16099	15758	16019	16729	16848	16497	15123	14692	15818	15639	15195	14967

Gas Usage

Station	(mmscfd)
GLGR	54
NPRI	150
PAKA	49
PGPS	42
SRDG	20
TJGS	122
Total TNB	437

KLPP	95
MPSS	50
PDPS	14
PGLA	107
PKLG	6
PLPS	97
PTEK	31
SGRI	161
SKSP	47
Total IPP	607

Total Gas 1,044
Total Gas Required 1,044
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	HY02	0	0	0	0	0	0	0	27	23	29	28	31	28	30	29	24	35	33	32	36	31	28	29	35	28	33	29	34	32	33	64	64	58	58	49	56	58	65	43	48	52	48	47	55	-1	-1				
TMGR	HY03	32	32	32	33	32	33	31	23	31	0	0	0	0	0	0	0	31	32	31	31	30	29	32	28	31	31	31	33	33	61	58	57	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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	-1	-1	-1	35	61	57	56	56	-1	-1	-1	-1	46	48	50	50	49	50	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Total Hydro		165	165	165	166	163	166	160	143	157	161	153	161	183	161	164	166	171	180	317	482	858	887	1081	1077	1072	989	923	862	995	978	1190	1169	1167	1094	908	512	266	295	298	311	541	541	556	553	448	386	193	203		
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		
PCUF	CUPG	32	32	32	32	32	33	32	33	33	33	33	33	33	34	34	35	34	34	32	33	32	34	34	34	32	33	33	22	22	22	22	22	24	26	27	32	31	32	32	32	32	33	32	32	32	31	31			
PCUF	CUFK	18	18	27	28	29	28	28	29	28	29	28	29	29	31	30	29	29	28	26	26	26	25	25	26	25	25	23	24	23	22	23	24	25	23	26	24	23	22	24	23	24	25	24	25	24	28	25	26		
Total Co-Gen		50	50	59	60	61	61	60	62	61	62	61	62	63	65	65	63	63	60	59	58	60	59	59	58	58	58	45	46	45	44	47	50	52	55	57	56	55	54	56	55	57	57	56	60	56	57				
Total Gen		14571	14279	13992	13673	13473	13174	13063	12939	12648	12484	12353	12350	12308	12367	12345	12235	12765	13740	14373	14848	15394	15740	16123	16244	16186	15989	15791	15834	16035	16352	16767	16813	16874	16767	16551	15841	15247	14787	14684	15417	15811	15855	15672	15556	15278	15211	15009	14825		
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		30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	30	30	31	31	31			
TIE-PLTG		8	59	19	48	74	16	26	96	59	-13	-42	14	4	-32	-38	42	77	45	-51	-37	-6	3	-4	61	56	25	3	34	-15	-3	8	34	-6	-11	23	-5	93	22	-39	-50	-38	34	2	7	52	-34	11	-57		
Interconnection		38	89	49	78	104	46	56	126	89	16	-12	44	34	-2	-8	73	108	76	-20	-6	23	33	27	91	87	56	33	64	16	28	38	65	26	20	54	26	124	52	-8	-19	-7	64	33	38	83	-4	42	-27		
System Total		14533	14190	13943	13595	13369	13128	13007	12813	12559	12468	12365	12306	12274	12369	12353	12162	12657	13664	14393	14854	15371	15707	16096	16153	16099	15933	15758	15770	16019	16324	16729	16748	16848	16747	16497	15815	15123	14735	14692	15436	15818	15791	15639	15518	15195	15215	14967	14852		
S.Rev ST-Coal		127	118	128	135	142	129	127	190	113	140	133	128	135	132	123	130	136	135	133	137	140	133	330	66	223	209	216	223	226	219	220	235	229	154	166	181	213	245	202	70	59	84	72	75	70	61	97	170		
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	74	13	12	163	195	199	104	52	54	23	251	212	215	130	153	348	301	311	95	121	76	51	94	2	2	0	0	0	
S.Rev CCGT-Gas		445	571	600	691	881	1197	1302	1354	1735	1874	2000	2023	1600	1522	1555	1662	1765	983	534	288	330	261	299	496	489	468	561	395	618	345	362	422	247	344	371	544	839	1053	980	326	383	287	340	296	341	242	211	310		
S.Rev 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
S.Rev Co-Gen		-39	-39	-48	-49	-50	-49	-51	-50	-51	-50	-51	-52	-54	-54	-52	-52	-49	-48	-47	-49	-48	-48	-47	-47	-47	-47	-34	-35	-34	-33	-36	-39	-41	-44	-46	-45	-44	-43	-45	-44	-46	-46	-45	-49	-45	-46				
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802		
Hydro		132	132	132	131	134	131	137	154	140	136	144	136	265	136	133	131	126	268	230	313	365	386	343	347	352	335	351	338	405	572	446	553	404	377	337	295	269	240	237	224	255	255	240	243	247	234	255	245		
S.Reserve Total		1467	1584	1614	1710	1909	2289	2319	2449	2740	2901	3029	3038	2601	2541	2561	2671	2775	1985	1647	1390	1118	1060	1169	1046	1200	1300	1448	1280	1491	1325	1134	1200	1246	1199	1300	1509	2018	2431	2266	1478	1251	1207	1186	1123	1337	1120	1322	1481		