

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,371 MW
Hydro	1,785 MW
Distillate	0 MW
Total TNB	10,236 MW
Total IPP	10,848 MW
Total Co-Gen	35 MW
Total System	21,401 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,641	19.57 %
Gas	75,668	21.57 %
Hydro	14,944	4.26 %
Total TNB	159,253	45.41 %
ST-Coal	125,381	35.75 %
Gas	64,575	18.41 %
Total IPP	189,956	54.16 %
Co-Gen	831	0.24 %
Total Co-Gen	831	0.24 %
Total Generation	350,040	99.80 %
PLTG	20	0.01 %
HVDC	-710	-0.20 %
Interconnection	-690	-0.20 %
Net Energy	350,730	100.00 %

Maximum Demand Record

Date: 3/7/2016	17,098 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,517 MW
TNB Generation	7,640 MW
IPP Generation	9,396 MW
Spinning Reserve	1,448 MW
Maximum Demand	17,098 MW
Net Energy	350,730 MWH
Load Factor	85.47 %

Fuel Cost

Total Cost:	45,153,368.10 RM
Cost per Unit	13.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	522
Hydro	447
Syncon	266
Thermal	250
Total	1,485

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	54
NPRI	153
PAKA	25
PGPS	20
SRDG	32
TJGS	205
Total TNB	538
KLPP	94
PDPS	16
PGLA	90
PKLG	14
PLPS	94
PTEK	29
SGRI	157
SKSP	31
Total IPP	525
Total Gas	1,063
Total Gas Required	1,063

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	13688	12870	12446	12112	11696	11602	11733	11841	12555	14595	15558	16268	16164	16003	16572	16893	16958	16734	15391	14945	16233	16247	15854	15401

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																									
TMGR	HY02	38	33	34	30	30	32	31	32	39	21	36	43	24	27	40	29	30	35	38	54	54	39	41	37	31	31	32	37	52	51	33	33	34	27	32	27	33	31	59	58	64	57	60	61	65	58	29		
TMGR	HY03	32	32	33	29	28	31	30	31	30	38	20	34	40	22	26	40	27	30	34	36	53	53	39	39	37	32	31	33	40	52	49	32	33	31	29	30	26	33	30	61	59	61	62	59	60	63	62	27	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	53	54	40	41	38	33	32	34	39	51	50	34	35	34	32	-1	-1	-1	-1	-1	58	59	60	58	57	60	59	30			
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		382	266	255	232	234	240	246	242	241	305	200	302	321	218	226	309	235	241	296	600	917	1040	924	928	883	749	609	626	924	970	941	867	868	864	844	485	362	303	292	651	1197	1230	1240	1209	1216	1096	1046	849	
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	17	17	16	16	17	17	17	16	17	18	17	18	17	18	17	17	17	16	16	16	15	16	16	16	16	16	16	16	16	16	16	16	16	16	15	16	15	16	16	18	18	17	17	18	18	17	18	18	
PCUF	CUFK	18	17	17	19	19	18	18	18	19	18	18	18	19	18	18	19	18	19	18	19	18	18	18	18	18	18	18	18	18	18	18	17	17	19	18	17	18	18	18	16	18	17	18	19	18	17	18	18	
Total Co-Gen		35	34	33	35	36	35	34	36	36	35	36	36	36	35	34	36	34	34	35	34	34	34	34	33	34	34	34	35	34	36	34	34	33	32	35	33	34	34	36	34	35	34	36	37	35	35	36		
Total Gen		13640	13248	12861	12624	12398	12135	12081	11856	11651	11577	11636	11477	11559	11978	11922	11759	12547	13757	14558	14943	15464	15971	16256	16344	16182	16042	15979	16167	16495	16843	16854	16965	16996	17069	16757	15990	15368	14878	14889	15601	16178	16260	16246	16101	15828	15622	15384	15007	
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-32	-31	-30	-31	-29	-29	-29	-29	-29	-29	-31	-32	-29	-29	-29	-31	-29	-35	-32	-30			
TIE-PLTG		-19	-59	20	47	-19	-41	-2	41	-16	-60	63	-46	-145	82	111	67	21	54	-8	-50	-64	5	17	-5	47	9	6	-21	-45	-45	-8	51	66	0	52	-20	6	-15	-25	-11	-25	-33	28	71	3	4	15	-63	
Interconnection		-48	-88	-9	18	-48	-70	-31	12	-45	-89	34	-75	-174	53	81	38	-8	25	-37	-78	-94	-24	-12	-35	18	-19	-24	-49	-77	-76	-39	20	38	-29	23	-49	-23	-44	-56	-44	-55	-62	-1	40	-26	-32	-17	-93	
System Total		13688	13336	12870	12606	12446	12205	12112	11844	11696	11666	11602	11552	11733	11925	11841	11721	12555	13732	14595	15021	15558	15995	16268	16379	16164	16061	16003	16216	16572	16919	16893	16945	16958	17098	16734	16039	15391	14922	14945	15645	16233	16322	16247	16061	15854	15654	15401	15100	
SRev ST-Coal		202	202	241	244	240	242	228	260	237	328	256	228	198	239	241	215	220	231	217	210	157	162	187	175	202	131	157	239	238	275	263	248	268	234	253	259	281	227	266	143	266	374	538	242	243	164	195	225	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	57	36	53	97	178	158	138	194	97	115	117	125	123	166	187	180	38	110	38	17	9	12	36	36	79	0	0			
SRev CCGT-Gas		220	484	754	967	1202	1467	1541	1727	1958	1801	1911	2202	2166	1693	1851	2352	1633	834	678	632	613	587	424	451	496	574	591	487	550	445	352	289	309	270	498	508	628	932	798	455	428	325	261	350	628	638	358	393	
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
SRev Co-Gen		0	1	2	0	-1	0	0	1	-1	-1	-1	0	-1	-1	-1	0	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
Syncon		651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	
Hydro		489	443	454	477	475	469	463	467	468	404	509	407	388	491	483	400	474	468	413	411	441	318	482	478	523	582	621	679	482	436	465	539	538	542	562	535	557	430	441	408	336	303	394	425	418	342	392	589	
S.Reserve Total		1562	1781	2182	2339	2567	2829	2883	3106	3313	3183	3327	3487	3402	3073	3226	3619	2977	2185	1960	1702	1533	1402	1407	1435	1597	1743	1986	1872	1741	1531	1471	1471	1518	1448	1759	1953	2213	2279	2267	1593	1174	1137	1332	1178	1449	1349	1071	1332	