

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,173 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	4,683 MW
Total IPP	14,880 MW
Total Co-Gen	20 MW
Total System	20,147 MW

Generation Mix

Type	MWh	Percentage
Gas	42,567	12.34 %
Hydro	11,229	3.26 %
Total TNB	53,796	15.60 %
ST-Coal	197,844	57.36 %
Gas	92,310	26.76 %
Total IPP	290,154	84.12 %
Co-Gen	426	0.12 %
Total Co-Gen	426	0.12 %
Total Generation	344,376	99.84 %
PLTG	157	0.05 %
HVDC	-696	-0.20 %
Interconnection	-539	-0.16 %
Net Energy	344,915	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:	16:00:00 Hour
Total Set On Bus	17,994 MW
TNB Generation	3,089 MW
IPP Generation	13,340 MW
Spinning Reserve	1,548 MW
Maximum Demand	16,476 MW
Net Energy	344,915 MWH
Load Factor	87.23 %

Fuel Cost

Total Cost:	46,734,195.55 RM
Cost per Unit	14.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	432
Hydro	351
Syncon	738
Thermal	209
Total	1,730

Time Weather Temperature

Afternoon	Cloudy	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	31
PAKA	123
PGPS	26
SRDG	4
TJGS	106
Total TNB	338

Alternate Fuel Usage

Station	(mmscfd)
Total	0

CBPS	51
KLPP	96
MPSS	51
NPRI	72
PGLA	66
PKLG	3
PLPS	90
PTEK	15
SGB3	35
SGRI	185
SKSP	49
Total IPP	713

Total Gas 1,051

Total Gas Required 1,051

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	13518	12854	12490	12186	11803	11679	11935	11982	12485	14390	15273	15888	15965	15668	16148	16349	16476	15964	14920	15296	15782	15524	15073	14626

Daily MW Generation on Wednesday

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																									
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	16	25	25	25	25	25	25	0	0	0	0	25	25	25	25	17	17	0	0	0										
TMGR	HY01	-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									
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
TMGR	HY04	36	36	37	36	36	32	36	35	30	29	36	36	36	37	36	36	36	36	27	36	36	36	36	36	36	32	36	36	36	36	36	35	36	36	36	36	35	36	36	35	36	32	36	35	33				
UJLI	HY01	-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					
UJLI	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	0	0	0	0	-1	-1	-1	-1	-1	-1	95	182	187	180	186	-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	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				
Total Hydro		255	254	256	242	241	231	215	211	215	199	214	215	216	224	216	180	180	180	158	181	486	774	889	989	867	402	384	642	855	963	942	1104	1082	1112	707	196	198	195	387	786	870	765	755	564	362	196	188	185	
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	CUFK	17	18	19	18	18	18	18	18	18	18	18	18	18	17	17	18	18	18	19	18	18	19	17	17	17	17	18	18	18	19	19	17	17	17	18	18	18	18	18	15	17	18	18	17	17	17	18	18	18
Total Co-Gen		17	18	19	18	18	18	18	18	18	18	18	18	18	17	17	18	18	18	19	18	18	19	17	17	17	17	18	18	18	19	19	17	17	17	18	18	18	18	18	15	17	18	18	17	17	17	18	18	18
Total Gen		13518	13175	12811	12623	12452	12265	12150	11986	11836	11781	11634	11730	11917	12059	12006	11943	12473	13565	14431	14811	15251	15586	15838	16127	15956	15628	15624	15895	16081	16426	16155	16417	16446	16418	15951	15469	14848	14720	15355	15846	15816	15706	15508	15443	15125	14833	14613	14209	
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	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-31	-29	-29	-29	-28	-29	-30	-28	-28	-29	-31	-29	-28	-29	-28	-29	-31	-28	-31	-28	-31	
TIE-PLTG		29	11	-13	3	-9	23	-6	-26	61	62	-16	11	11	-7	53	-3	16	-13	71	-48	7	-40	-21	42	20	-2	-15	-38	-38	-1	-165	-7	-1	48	16	51	-44	33	88	-8	64	-21	13	10	81	-3	15	23	
Interconnection		0	-18	-43	-26	-38	-5	-36	-56	33	34	-45	-18	-18	-36	24	-32	-12	-41	41	-78	-22	-69	-50	13	-9	-32	-44	-67	-67	-32	-194	-37	-30	20	-13	21	-72	4	59	-39	34	-49	-16	-18	52	-34	-13	-8	
System Total		13518	13193	12854	12649	12490	12270	12186	12042	11803	11747	11679	11748	11935	12095	11982	11975	12485	13606	14390	14889	15273	15655	15888	16114	15965	15660	15668	15962	16148	16458	16349	16454	16476	16388	15964	15448	14920	14716	15296	15895	15782	15755	15524	15461	15073	14867	14626	14217	
SRRev ST-Coal		278	301	294	298	293	307	299	304	308	333	607	594	588	547	420	304	285	289	323	232	212	175	179	148	183	167	171	193	184	210	216	201	192	228	220	194	220	212	186	223	220	209	207	208	225	203	210	203	
SRRev 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	-4	32	29	116	117	70	81	81	84	112	156	85	-5	-5	76	157	154	0	0	0	0	0
SRRev CCGT-Gas		620	791	1099	1267	1438	1602	1709	1864	2018	2029	1918	1836	1657	1565	1737	1877	1950	1369	883	745	720	713	572	414	428	308	290	368	367	230	236	255	258	269	339	334	675	764	415	198	156	91	199	75	352	297	293	492	
SRRev 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
SRRev Co-Gen		3	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	1	3	3	3	3	2	2	1	2	2	1	1	3	3	3	2	2	2	5	3	2	2	3	3	3	2	2	2	2	
Syncon		864	864	864	864	864	1015	1015	1015	1166	1166	1166	1166	1166	1166	1040	1040	1040	1040	662	662	511	511	511	939	1065	1065	813	662	662	511	511	511	939	1166	1166	1166	1015	677	677	828	828	979	1166	1166	1166	1166			
Hydro		277	278	276	263	264	274	139	143	289	154	139	138	137	129	137	134	135	135	157	134	407	344	380	305	427	114	131	223	289	332	353	492	514	484	311	145	143	146	205	444	360	314	324	364	379	145	153	156	
S.Reserve Total		2042	2236	2534	2694	2861	3049	3164	3328	3632	3684	3832	3736	3550	3409	3462	3484	3413	2835	2405	2153	2002	1897	1645	1381	1552	1530	1659	1846	1687	1465	1584	1577	1548	1576	1893	1925	2318	2446	1911	1540	1410	1520	1718	1783	2125	1813	1824	2019	