

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,547 MW
Hydro	2,335 MW
Distillate	0 MW
Total TNB	5,882 MW
Total IPP	13,348 MW
Total Co-Gen	90 MW
Total System	19,602 MW

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:	21:00:00 Hour
Total Set On Bus	15,962 MW
TNB Generation	2,466 MW
IPP Generation	11,578 MW
Spinning Reserve	1,836 MW
Maximum Demand	14,119 MW
Net Energy	298,465 MWH
Load Factor	88.08 %

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	55
PGPS	27
TJGS	214
Total TNB	297
KLPP	82
MPSS	33
NPRI	150
PGLA	100
PLPS	56
SGB3	36
SGRI	176
SKSP	8
Total IPP	640
Total Gas	937

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	41,772	14.00 %
Hydro	7,295	2.44 %
Total TNB	49,067	16.44 %
ST-Coal	162,517	54.45 %
Gas	85,302	28.58 %
Total IPP	247,819	83.03 %
Co-Gen	1,972	0.66 %
Total Co-Gen	1,972	0.66 %
Total Generation	298,858	100.13 %
PLTG	-336	-0.11 %
HVDC	729	0.24 %
Interconnection	393	0.13 %
Net Energy	298,465	100.00 %

Fuel Cost

Total Cost:	49,593,135.75 RM
Cost per Unit	17.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	436
Hydro	202
Syncon	1,055
Thermal	202
Total	1,895

Total Gas Required 937

Time Weather Temperature

Afternoon	Hot	32
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	13140	12687	12120	11681	11350	11252	11241	11161	10703	11191	11942	12323	12527	12414	12710	13005	13038	12858	12515	12671	13965	14119	13942	13560

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

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																										
Total Co-Gen		85	87	87	85	87	86	87	87	88	89	89	88	90	89	85	84	82	83	84	83	82	81	81	82	82	82	81	84	80	79	83	83	80	83	82	84	83	83	84	82	83	83	82	81	82	54	48	67		
Total Gen		13163	12863	12698	12560	12090	11910	11718	11540	11356	11346	11246	11300	11243	11322	11165	10776	10716	11102	11189	11539	11944	12248	12357	12480	12530	12332	12386	12545	12663	12937	12980	13050	13117	13121	12882	12636	12576	12403	12708	13526	13984	14131	14126	14148	13919	13759	13572	13454		
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	31	31	30	30	31	31	31	31	31	31	30	30	31	31	31	31	30	30	31	31	30	30	31	31	29	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
TIE-PLTG		-7	10	-19	-13	-61	0	6	-6	-25	-19	-37	24	-29	0	-26	-1	-18	11	-33	-16	-29	0	4	-55	-27	-9	-59	-100	-77	0	-55	-45	49	24	-5	-44	30	66	6	-38	-12	64	-24	110	-54	-75	-19	-40		
Interconnection		23	40	11	17	-30	31	37	24	6	12	-6	55	2	30	4	30	13	41	-2	14	2	31	34	-25	3	21	-28	-70	-47	30	-25	-15	79	54	24	-13	61	97	37	-8	19	95	7	141	-23	-45	12	-10		
System Total		13140	12823	12687	12543	12120	11879	11681	11516	11350	11334	11252	11245	11241	11292	11161	10746	10703	11061	11191	11525	11942	12217	12323	12505	12527	12311	12414	12615	12710	12907	13005	13065	13038	13067	12858	12649	12515	12306	12671	13534	13965	14036	14119	14007	13942	13804	13560	13464		
SRev ST-Coal		104	90	96	3	91	154	246	61	132	73	-53	-297	73	101	101	89	114	107	86	107	91	105	114	106	182	283	278	285	286	278	266	279	281	278	287	280	284	230	118	116	129	130	110	128	109	173	174	164		
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		516	468	375	427	606	649	770	959	1177	944	1167	1356	1447	1338	1488	1888	1919	1559	1489	1118	826	597	481	530	629	740	590	593	489	409	390	327	249	245	456	466	681	1268	1106	390	423	276	320	185	356	316	350	323		
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		5	3	3	5	3	4	3	3	2	1	1	2	0	1	5	6	8	7	6	7	8	9	9	8	8	8	9	6	10	11	7	7	10	7	8	6	7	7	6	8	7	7	8	9	8	36	42	23		
Syncon		1303	1303	1076	1076	1076	1076	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	925	1076	1076	1076	1076	1076	1076	1076	925	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	975	1101	950	1101	1076	1076	1076	1076			
Hydro		138	114	219	235	208	114	134	129	135	132	135	135	133	134	137	137	139	131	136	135	269	128	136	123	146	132	139	125	268	135	130	110	113	116	136	134	131	149	133	91	319	317	448	301	279	97	90	139		
S.Reserve Total		2066	1978	1769	1746	1984	1997	2229	2354	2648	2352	2452	2398	2855	2776	2933	3322	3382	3006	2919	2569	2119	1915	1816	1843	2041	2239	2092	2085	1978	1909	1869	1799	1729	1722	1963	1962	2179	2730	2439	1681	1853	1831	1836	1749	1828	1698	1732	1725		