

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,910 MW
Hydro	1,798 MW
Distillate	0 MW
Total TNB	5,708 MW
Total IPP	14,917 MW
Total Co-Gen	43 MW
Total System	21,238 MW

Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	113
PGPS	44
SRDG	18
TJGS	210
Total TNB	440
CBPS	55
KLPP	113
NPRI	160
PDPS	4
PGLA	112
PKLG	4
PLPS	92
PTEK	34
SGRI	157
SKSP	37
Total IPP	768
Total Gas	1,208
Total Gas Required	1,208

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,262 MW
TNB Generation	3,754 MW
IPP Generation	13,150 MW
Spinning Reserve	1,315 MW
Maximum Demand	16,938 MW
Net Energy	355,926 MWH
Load Factor	87.56 %

Generation Mix

Type	MWh	Percentage
Gas	57,661	16.20 %
Hydro	11,184	3.14 %
Total TNB	68,845	19.34 %
ST-Coal	184,490	51.83 %
Gas	102,571	28.82 %
Total IPP	287,061	80.65 %
Co-Gen	1,012	0.28 %
Total Co-Gen	1,012	0.28 %
Total Generation	356,918	100.28 %
PLTG	264	0.07 %
HVDC	728	0.20 %
Interconnection	992	0.28 %
Net Energy	355,926	100.00 %

Fuel Cost

Total Cost:	49,856,382.55 RM
Cost per Unit	14.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	482
Hydro	267
Syncon	513
Thermal	143
Total	1,405

Time Weather Temperature

Afternoon	Hot	38
Morning	Sunny	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	14770	14099	13474	13035	12695	12380	12329	12257	12448	14376	15468	16099	16202	15894	16599	16872	16938	16530	15198	14871	16062	16026	15742	15298

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Thursday

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	HY04	-1	-1	79	34	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	69	69	71	71	66	-1	-1	-1	-1	-1	-1	-1	66	68	68	65	66	68	67	-1	-1	-1	-1	66	67	66	-1	-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	5	5					
Total Hydro		159	175	920	341	193	168	160	147	142	227	224	215	235	237	172	150	131	165	177	402	678	708	960	959	923	395	324	547	925	983	1106	1091	1068	908	610	269	279	244	242	243	675	678	634	423	369	392	388	384				
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					
PCUF	CUFG	14	14	14	14	13	14	14	14	14	15	16	16	16	16	15	16	15	15	15	13	14	13	13	14	14	14	14	14	13	14	14	14	14	15	14	14	15	14	13	14	14	14	15	15	14	14	15	14	14	15		
PCUF	CUFK	27	29	28	29	28	27	28	28	29	27	29	28	27	30	27	28	28	27	26	28	29	29	28	29	29	27	29	28	28	29	28	28	28	28	28	27	27	27	28	27	28	27	28	28	27	28	28	27	28	28	27	28
Total Co-Gen		41	43	42	43	41	41	42	42	43	42	45	44	43	46	42	44	43	42	41	41	43	42	41	43	41	43	42	42	41	40	42	43	43	42	43	42	40	41	41	42	42	43	42	41	43	42	41	43	42	41	43	
Total Gen		14883	14351	14190	13706	13578	13334	13102	12950	12900	12549	12474	12447	12415	12413	12323	12134	12527	13699	14411	15068	15470	15846	16155	16272	16265	15783	15889	16176	16634	16837	16909	16940	16947	16945	16529	15972	15277	14782	14909	15578	16115	16150	16012	15945	15812	15559	15353	15127				
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	0		
TIE-HVDC		30	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	31	30	31	30	30	31	31	30	30	30	30	30	30	30	30	29	29	30	30	31	30		
TIE-PLTG		83	-7	60	-13	74	9	37	38	175	-26	63	47	55	-19	35	-54	50	-16	5	15	-28	-28	24	17	33	-8	-35	-55	5	-70	6	-21	-21	33	-32	12	49	-16	8	-68	23	20	-44	32	39	15	25	1				
Interconnection		113	24	91	18	104	40	67	69	205	4	94	77	86	11	66	-24	79	14	35	46	2	3	56	47	63	22	-5	-25	35	-40	37	10	9	63	-1	42	79	13	38	-38	53	50	-14	62	70	46	55	31				
System Total		14770	14327	14099	13688	13474	13294	13035	12881	12695	12545	12380	12370	12329	12402	12257	12158	12448	13685	14376	15022	15468	15843	16099	16225	16202	15761	15894	16201	16599	16877	16872	16930	16938	16882	16530	15930	15198	14769	14871	15616	16062	16100	16026	15883	15742	15513	15298	15096				
SRev ST-Coal		161	210	149	130	110	99	78	78	109	45	74	63	153	124	137	134	169	138	189	172	166	112	104	202	41	220	67	171	192	174	195	142	135	85	102	98	124	126	144	149	138	141	159	130	141	189	221	228				
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	50	-1	0	0	0			
SRev CCGT-Gas		506	778	349	178	176	405	650	791	805	1305	1352	1378	1404	1531	1624	1797	1795	1027	648	377	430	454	453	464	502	500	445	423	463	454	439	426	409	369	466	471	817	1158	1013	436	403	369	444	278	291	299	256	397				
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		2	0	1	0	2	2	1	1	0	1	-2	-1	0	-3	1	-1	0	1	2	2	0	1	2	0	2	0	1	1	2	3	1	0	0	1	0	1	3	2	2	1	1	0	1	2	0	1	2	0				
Syncon		575	575	0	101	592	676	676	676	676	676	676	676	651	802	802	802	802	630	529	529	378	378	378	714	714	613	529	529	428	403	403	403	491	676	676	676	676	504	504	504	714	714	563	714	714							
Hydro		136	120	50	528	185	126	134	147	152	129	132	141	121	119	245	116	135	101	239	210	-294	264	290	291	327	310	281	244	251	193	221	261	284	319	301	198	215	250	252	251	278	275	319	232	236	364	193	197				
S.Reserve Total		1380	1683	549	937	1065	1308	1539	1693	1742	2156	2232	2257	2354	2447	2658	2848	2901	2069	1880	1391	1478	1374	1315	1422	1429	1902	1670	1568	1618	1415	1393	1322	1315	1392	1377	1468	1983	2370	2243	1574	1324	1289	1427	1406	1381	1416	1386	1536				