

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,138 MW
Hydro	2,332 MW
Distillate	0 MW
Total TNB	5,470 MW
Total IPP	13,273 MW
Total Co-Gen	0 MW
Total System	19,025 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	53
PGPS	44
SRDG	16
TJGS	26
TJGS	119
Total TNB	315
KLPP	101
MPSS	29
NPRI	83
PGLA	107
PKLG	3
PLPS	93
PTEK	22
SGB3	84
SGRI	171
SKSP	49
Total IPP	743
Total Gas	1,058
Total Gas Required	1,058

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	16,918 MW
TNB Generation	3,325 MW
IPP Generation	12,368 MW
Spinning Reserve	1,145 MW
Maximum Demand	15,816 MW
Net Energy	335,903 MWH
Load Factor	88.49 %

Generation Mix

Type	MWh	Percentage
Gas	39,392	11.73 %
Hydro	19,944	5.94 %
Total TNB	59,336	17.66 %
ST-Coal	177,122	52.73 %
Gas	96,828	28.83 %
Total IPP	273,950	81.56 %
Co-Gen	1,938	0.58 %
Total Co-Gen	1,938	0.58 %
Total Generation	335,224	99.80 %
PLTG	21	0.01 %
HVDC	-700	-0.21 %
Interconnection	-679	-0.20 %
Net Energy	335,903	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	395
Hydro	261
Syncon	563
Thermal	136
Total	1,355

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
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	13591	12988	12573	12143	11817	11682	11927	12018	12249	13700	14665	15239	15208	14837	15101	15710	15816	15430	14497	14157	15335	15295	14757	14534

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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																										
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																										
Total Hydro		638	603	542	547	547	546	545	552	547	547	545	546	550	577	552	548	554	568	574	600	843	884	1054	1157	1184	920	828	827	1034	1122	1304	1282	1339	1289	1265	1059	830	568	604	1058	1165	1160	1152	981	887	882	882	812		
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	0
PCUF	CUFG	46	45	47	47	46	47	48	48	46	47	47	46	46	46	46	47	47	45	44	43	43	43	43	42	39	41	40	41	41	41	43	43	42	43	44	41	42	43	42	42	44	43	45	43	41	39	40			
PCUF	CUFK	31	37	38	37	39	38	37	38	38	38	38	38	37	38	39	37	40	39	39	40	40	38	39	37	35	35	36	35	37	34	36	35	37	35	35	35	37	38	37	35	36	37	36	36	37	37	35	37		
Total Co-Gen		77	82	85	84	85	85	85	86	84	85	85	84	83	84	85	83	87	86	84	84	83	81	82	80	77	74	77	75	78	75	77	78	80	77	78	79	78	78	80	80	77	78	81	79	81	80	78	74	77	
Total Gen		13535	13345	12953	12714	12495	12358	12109	12009	11757	11780	11679	11809	11993	12155	12038	12038	12216	13032	13722	14133	14601	14915	15149	15353	15170	14995	14804	14882	15066	15399	15681	15723	15773	15673	15387	14986	14490	14104	14190	14859	15303	15336	15298	15038	14738	14689	14540	14183		
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-29	-29		
TIE-PLTG		-27	-10	-6	-31	-49	8	-4	18	-31	58	27	3	95	70	49	32	-3	18	51	-51	-35	-28	-60	3	-8	-20	-4	-7	-5	1	0	1	-14	-40	-14	-32	23	-41	62	15	-3	10	31	-9	9	-30	35	-14		
Interconnection		-56	-40	-35	-60	-78	-21	-34	-11	-60	29	-3	-26	66	41	20	3	-33	-11	22	-80	-64	-58	-90	-27	-38	-50	-33	-36	-35	-28	-29	-29	-43	-69	-43	-62	-7	-70	33	-14	-32	-19	3	-37	-19	-58	6	-43		
System Total		13591	13385	12988	12774	12573	12379	12143	12020	11817	11751	11682	11835	11927	12114	12018	12035	12249	13043	13700	14213	14665	14973	15239	15380	15208	15045	14837	14918	15101	15427	15710	15752	15816	15742	15430	15048	14497	14174	14157	14873	15335	15355	15295	15075	14757	14747	14534	14226		
SRev ST-Coal		244	135	132	201	110	129	121	128	126	138	128	132	104	131	143	117	132	128	119	147	134	138	149	161	152	143	139	147	141	128	141	140	156	140	142	168	138	133	130	134	98	129	108	124	140	143	138	147		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	37	12	39	40	39	39	40	40	66	119	121	92	281	242	244	334	255	111	-11	46	46	74	0	0	0	0	0		
SRev CCGT-Gas		948	953	1197	1430	1561	1733	1459	1560	1807	1773	1882	1748	1595	1434	1447	1467	1437	1157	716	353	190	346	250	210	409	325	432	343	374	360	346	231	222	296	368	403	647	688	720	654	347	296	355	381	441	286	436	437		
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		13	8	5	6	5	5	5	4	6	5	5	6	7	6	5	7	3	4	6	6	7	9	8	10	13	16	13	15	12	15	-56	-57	-59	-56	-57	-58	-57	-59	-59	-56	-57	-60	-58	-60	-59	-57	-53	-56		
Syncon		1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	950	1101	1101	1101	914	914	763	612	612	486	486	425	612	612	612	612	425	425	425	425	425	425	612	799	1101	1101	799	612	612	612	612	799	799	799	799	799	
Hydro		120	105	66	61	61	62	63	56	61	61	63	62	58	182	56	60	54	191	185	310	218	177	233	205	264	191	283	284	263	362	244	266	195	211	185	204	246	56	120	243	323	328	336	332	239	244	244	239		
S.Reserve Total		2426	2327	2501	2799	2838	3030	2749	2849	3101	3078	3179	3049	2865	2703	2752	2752	2727	2394	1940	1579	1161	1297	1163	1084	1302	1327	1518	1440	1442	1330	1166	1124	1145	1108	1344	1571	2017	2253	2267	1885	1312	1351	1399	1463	1560	1415	1564	1566		