

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,751 MW
Hydro	1,874 MW
Distillate	0 MW
Total TNB	5,625 MW
Total IPP	14,538 MW
Total Co-Gen	24 MW
Total System	20,187 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
CBPS	32
GLGR	53
PAKA	166
PGPS	42
SRDG	22
TJGS	214
Total TNB	529
CBPS	51
KLPP	94
MPSS	56
NPRI	148
PDPS	5
PGLA	110
PKLG	13
PLPS	90
PTEK	26
SGB3	84
SGRI	183
SKSP	53
PKLG	25
Total IPP	937
Total Gas	1,465
Total Gas Required	1,465

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,840 MW
TNB Generation	4,162 MW
IPP Generation	13,397 MW
Spinning Reserve	1,261 MW
Maximum Demand	17,546 MW
Net Energy	363,012 MWH
Load Factor	86.20 %

Generation Mix

Type	MWh	Percentage
Gas	68,735	18.93 %
Hydro	8,992	2.48 %
Total TNB	77,727	21.41 %
ST-Coal	162,429	44.74 %
ST-Gas	2,494	0.69 %
Gas	121,299	33.41 %
Total IPP	286,222	78.85 %
Co-Gen	471	0.13 %
Total Co-Gen	471	0.13 %
Total Generation	364,420	100.39 %
PLTG	676	0.19 %
HVDC	732	0.20 %
Interconnection	1,408	0.39 %
Net Energy	363,012	100.00 %

Fuel Cost

Total Cost:	53,680,904.70 RM
Cost per Unit	15.10 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	446
Hydro	217
Syncon	613
Thermal	88
Total	1,364

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	14549	13878	13368	12928	12672	12386	12485	12375	12926	14911	15927	16730	16725	16487	17084	17543	17460	16977	15513	15244	16376	16381	15929	15469

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
KNYR	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
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	54	102	64	59	56	63	62	62	60	60	60	67	65	102	102	102	102	102	102	102	60	59	58	65
LPIA	HY01	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	3	3	3	2	2	6	6
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	18	16	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	116	21	21	21	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	31	84	36	30	29	30	38	32	32	32	30	30	30	33	31	34	38	41	84	84	82	82	82	82
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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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
Total Hydro		152	376	194	181	175	177	172	164	166	164	159	159	178	181	160	163	178	181	339	279	480	573	676	672
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
PCUF	CUFK	19	20	20	20	20	19	19	20	20	19	19	19	20	20	18	20	21	19	19	20	20	20	20	20
Total Co-Gen		19	20	20	20	20	19	19	20	20	19	19	19	20	20	18	20	21	19	19	20	20	20	20	20
Total Gen		14628	14150	13880	13672	13433	13218	12968	12753	12711	12608	12462	12509	12546	12703	12452	12315	13006	14066	14958	15575	15982	16456	16804	16970
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
TIE-HVDC		30	31	31	30	30	31	31	31	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31
TIE-PLTG		48	-56	-29	56	35	70	10	-12	9	23	46	33	31	27	46	-2	49	5	17	-1	24	-15	43	2
Interconnection		79	-25	2	86	65	101	40	19	39	53	76	63	61	57	77	29	80	35	47	29	55	15	74	34
System Total		14549	14175	13878	13586	13368	13117	12928	12734	12672	12555	12386	12446	12485	12646	12375	12286	12926	14031	14911	15546	15927	16441	16730	16936
S.Rev ST-Coal		176	228	234	135	130	235	249	259	257	250	251	247	239	249	305	292	193	197	131	84	56	71	74	50
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	28	8	17	216	93
S.Rev CCGT-Gas		432	677	619	914	1152	1262	1467	1667	1695	1772	1909	1865	1855	1788	1931	2056	1515	1035	715	517	370	337	347	355
S.Rev 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
S.Rev Co-Gen		5	4	4	4	4	5	5	4	4	4	5	5	5	5	4	4	6	4	3	5	5	4	4	4
Syncon		802	651	651	651	651	802	802	802	802	802	802	802	802	802	802	802	630	630	630	630	630	630	630	630
Hydro		144	71	253	266	272	270	124	132	130	132	137	137	269	266	136	133	118	115	107	167	175	169	166	170
S.Reserve Total		1559	1631	1761	1970	2209	2423	2647	2864	2888	2960	3104	3056	3019	2959	3178	3287	2634	2153	1867	1603	1244	1228	1467	1334