

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	6,059 MW
Total IPP	16,121 MW
Total Co-Gen	80 MW
Total System	22,824 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:	20:30:00 Hour
Total Set On Bus	13,886 MW
TNB Generation	2,757 MW
IPP Generation	9,397 MW
Spinning Reserve	1,668 MW
Maximum Demand	12,025 MW
Net Energy	251,332 MWH
Load Factor	87.09 %

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	203
Total TNB	239
CBPS	57
NPRI	157
PLPS	39
SGRI	47
Total IPP	300
Total Gas	539
Total Gas Required	539

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	33,753	13.43 %
Hydro	10,483	4.17 %
Total TNB	44,236	17.60 %
ST-Coal	161,586	64.29 %
Gas	44,652	17.77 %
Total IPP	206,238	82.06 %
Co-Gen	1,692	0.67 %
Total Co-Gen	1,692	0.67 %
Total Generation	252,166	100.33 %
PLTG	-488	-0.19 %
HVDC	1,322	0.53 %
Interconnection	834	0.33 %
Net Energy	251,332	100.00 %

Fuel Cost

Total Cost:	35,752,244.50 RM
Cost per Unit	14.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	269
Hydro	397
Syncon	1,224
Thermal	542
Total	2,432

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	11396	10985	10476	10139	9871	9637	9658	9433	9044	9332	9808	10106	10177	10163	10442	10533	10565	10669	10577	10945	12002	11959	11709	11562

Daily MW Generation on Monday

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	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY02	101	101	101	61	61	61	60	59	60	60	60	60	60	60	61	61	61	61	61	61	59	61	104	105
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	101	101
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	102	101	101
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7
PGAU	HY01	110	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	21	-1	-1	-1	-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	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	49
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25
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
TMGR	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
TMGR	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
TMGR	HY04	0	0	0	0	0	0	0	0	34	34	34	34	34	34	34	34	34	34	34	34	0	0	81	81
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
UJLI	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
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6
UPIA	HY02	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		486	397	297	278	235	257	234	233	234	234	308	309	309	309	310	309	291	293	292	291	290	290	314	292
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	38	38	39	37	39	38	39	39	40	40	41	40	39	40	41	39	39	39	38	36	34	34	35	34
PCUF	CUFG	40	37	37	36	37	36	36	37	39	38	37	38	38	38	36	35	34	35	37	33	33	31	28	28
Total Co-Gen		78	75	76	73	76	74	75	76	79	78	78	78	77	77	77	75	73	70	69	71	68	67	61	60
Total Gen		11410	11176	10985	10700	10475	10312	10131	9953	9841	9705	9661	9586	9597	9481	9111	9052	9243	9338	9545	9794	10005	10116	10183	10186
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		31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	31	31	30	31	32	32	29	30	30
TIE-PLTG		-17	-35	-60	-50	-31	-26	-39	-46	-60	-20	-7	-44	-50	-3	18	4	-22	-15	-24	7	-44	-11	-21	-3
Interconnection		14	-3	-30	-19	-1	5	-8	-14	-30	10	24	-13	-20	27	48	34	8	15	6	38	-14	20	10	27
System Total		11396	11179	10985	10719	10476	10307	10139	9967	9871	9695	9637	9599	9658	9570	9433	9077	9044	9228	9332	9507	9808	9985	10106	10156
SRev ST-Coal		336	336	323	335	142	392	508	699	742	742	739	741	741	742	742	740	736	741	739	740	602	550	618	611
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
SRev CCGT-Gas		157	71	200	207	280	265	254	113	139	123	110	115	68	107	128	344	387	197	349	210	238	328	371	407
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
SRev Co-Gen		2	5	4	7	4	6	5	4	1	2	2	4	3	2	3	3	3	5	7	10	11	9	12	13
Syncon		1077	1077	1178	1027	1329	1178	1329	1329	1329	1178	1178	1178	1178	1178	1178	1304	1304	1304	1304	1304	1304	1304	1304	1304
Hydro		179	268	267	437	178	307	179	180	179	179	489	488	488	487	488	466	464	465	465	466	466	466	593	464
S.Reserve Total		1751	1757	1972	2013	1933	2148	2275	2325	2390	2375	2521	2522	2479	2517	2537	2755	2774	2578	2738	2725	2758	2711	2700	2783