

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	1,986 MW
Distillate	0 MW
Total TNB	5,731 MW
Total IPP	14,902 MW
Total Co-Gen	51 MW
Total System	21,248 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:	00:00:00 Hour
Total Set On Bus	14,327 MW
TNB Generation	1,877 MW
IPP Generation	11,107 MW
Spinning Reserve	1,292 MW
Maximum Demand	12,947 MW
Net Energy	255,350 MWH
Load Factor	82.18 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	194
Total TNB	224
CBPS	50
KLPP	17
NPRI	66
PGLA	68
PLPS	36
PTEK	2
SGRI	62
SKSP	4
Total IPP	304
Total Gas	527
Total Gas Required	527

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	31,633	12.39 %
Hydro	7,877	3.08 %
Total TNB	39,510	15.47 %
ST-Coal	174,160	68.20 %
Gas	42,009	16.45 %
Total IPP	216,169	84.66 %
Co-Gen	411	0.16 %
Total Co-Gen	411	0.16 %
Total Generation	256,090	100.29 %
PLTG	16	0.01 %
HVDC	724	0.28 %
Interconnection	740	0.29 %
Net Energy	255,350	100.00 %

Fuel Cost

Total Cost:	29,985,948.10 RM
Cost per Unit	12.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	588
Hydro	170
Syncon	853
Thermal	203
Total	1,814

Time	Weather	Temperature
Afternoon	Sunny	34
Morning	Cloudy	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	12947	12425	11897	11431	11089	10675	10474	10276	9551	9334	9571	9660	9672	9700	9898	10002	10056	10144	10099	10405	11660	11685	11518	11493

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
CEND	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
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HTRG	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
HTRG	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
KNRG	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
KNRC	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
KNRC	HY03	23	24	23	23	23	20	23	22	23	23	23	22	22	21	21	21	21	23	22	21	22	23	22	23
KNYR	HY01	-1	-1	-1	-1	-1	-1	9	96	96	96	96	96	96	95	95	95	96	96	96	96	96	96	96	96
KNYR	HY02	0	0	0	0	0	0	99	98	99	98	98	98	98	95	90	90	89	97	98	98	98	0	0	0
KNYR	HY03	-1	-1	-1	-1	-1	-1	100	99	99	99	99	99	99	99	99	99	99	59	-1	-1	-1	-1	-1	-1
KNYR	HY04	63	63	63	62	62	52	99	98	98	98	98	98	98	97	91	91	91	98	98	98	98	60	58	
LPIA	HY02	15	15	12	12	12	12	12	12	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
PCAU	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
PCAU	HY02	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1
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	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
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	39	37	36	35	35	24	36	36	36	36	35	34	36	35	28	26	26	31	37	36	33	34	34	32
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
UJLI	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
UPJA	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		180	179	174	172	172	148	420	503	508	530	506	505	506	505	490	467	467	471	503	527	592	622	414	
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	
PCUF	CUFC	34	27	24	15	13	13	14	15	14	14	15	15	16	15	15	14	15	14	12	13	12	12	11	
PCUF	CUFK	17	5	4	4	4	4	3	5	5	4	5	3	5	3	5	4	4	5	5	3	4	3	4	
Total Co-Gen		51	32	28	19	17	17	18	18	19	19	18	20	18	21	18	20	18	19	17	18	17	15	15	
Total Gen		13035	12705	12512	12226	11947	11739	11451	11279	11134	10926	10730	10611	10533	10497	10430	9892	9645	9380	9338	9410	9571	9612	9623	
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	30	30	31	31	29	29	30	30	31	31	29	29	30	30	30	30	31	31	30	30	30	30	30
TIE-PLTG		58	18	57	25	20	47	-9	44	14	32	24	24	30	40	124	52	64	-5	-27	-24	-30	-63	-67	
Interconnection		88	48	87	56	50	76	20	74	45	63	55	53	59	70	154	82	94	26	4	6	0	-33		
System Total		12947	12657	12425	12170	11897	11663	11431	11205	11089	10863	10675	10558	10474	10427	10276	9810	9551	9354	9334	9404	9571	9645	9660	
SRev ST-Coal		13	45	25	-21	44	36	33	34	42	40	33	36	34	31	43	381	373	486	578	565	452	447	456	
SRev OCCT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCT-Gas		225	503	340	438	731	578	909	379	522	521	699	816	895	936	973	1148	1162	1144	1037	1088	1128	1124	900	
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	
SRev Co-Gen		0	7	11	3	5	5	4	4	3	3	4	2	4	2	4	2	4	5	7	7	8	8	9	
Syncon		925	925	925	925	925	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	
Hydro		129	130	135	137	137	161	191	108	103	232	105	106	105	106	121	144	144	140	108	235	199	169		
S.Reserve Total		1292	1610	1436	1482	1842	1705	1860	1248	1393	1368	1564	1683	1761	1797	1864	2398	2406	2496	2449	2465	2506	2468		