

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	1,760 MW
Distillate	0 MW
Total TNB	5,507 MW
Total IPP	14,866 MW
Total Co-Gen	56 MW
Total System	20,429 MW

Generation Mix

Type	MWh	Percentage
Gas	69,400	19.32 %
Hydro	8,218	2.29 %
Total TNB	77,618	21.61 %
ST-Coal	172,881	48.13 %
ST-Gas	3,066	0.85 %
Gas	103,808	28.90 %
Total IPP	279,755	77.88 %
Co-Gen	1,167	0.32 %
Total Co-Gen	1,167	0.32 %
Total Generation	358,540	99.82 %
PLTG	41	0.01 %
HVDC	-696	-0.19 %
Interconnection	-655	-0.18 %
Net Energy	359,195	100.00 %

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:	14:30:00 Hour
Total Set On Bus	18,584 MW
TNB Generation	3,985 MW
IPP Generation	13,178 MW
Spinning Reserve	1,372 MW
Maximum Demand	17,241 MW
Net Energy	359,195 MWH
Load Factor	86.81 %

Fuel Cost

Total Cost:	50,973,927.95 RM
Cost per Unit	14.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	689
Hydro	471
Syncon	460
Thermal	64
Total	1,684

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	53
PAKA	192
PGPS	40
SRDG	7
TJGS	201
Total TNB	538

CBPS	48
KLPP	68
MPSS	50
NPRI	138
PGLA	101
PKLG	4
PLPS	87
PTEK	10
SGB3	77
SGRI	161
SKSP	48
PKLG	30
Total IPP	820
Total Gas	1,358

Total Gas Required 1,358

Alternate Fuel Usage

Station	(mmscfd)
Total	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	14506	13702	13194	12806	12498	12314	12513	12314	12922	14837	16002	16702	16680	16381	16988	17172	17042	16559	15359	15071	16182	16145	15719	15265

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
PGAU	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
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	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
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	33	33	32	36	36	35	34	34	34	32	27	27	33	35	27	28	38	37	35	35	33	37	82	82
TMGR	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	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	-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	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		167	168	167	181	175	174	172	173	171	190	157	154	167	177	175	154	184	185	173	174	396	480	717	825
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	CUFG	1	7	27	36	34	34	34	35	35	35	36	36	36	34	35	35	34	33	32	34	33	32	32	32
PCUF	CUFK	18	16	18	17	17	17	18	17	17	17	17	16	16	17	16	17	17	17	19	16	17	18	15	17
Total Co-Gen		19	23	45	53	51	51	52	52	52	52	53	52	52	51	51	52	51	50	51	50	50	50	47	49
Total Gen		14439	14057	13690	13289	13148	12965	12763	12629	12470	12482	12379	12366	12495	12505	12383	12229	12864	13939	14773	15438	15942	16341	16673	16863
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTO		-38	14	17	-29	-18	-53	-13	-18	1	33	94	30	11	12	98	20	-27	5	-35	-2	-31	0	0	
Interconnection		-67	-15	-12	-57	-46	-82	-43	-47	-28	4	65	1	-18	-17	69	-9	-58	-25	-64	-31	-60	-29	-29	
System Total		14506	14072	13702	13346	13194	13047	12806	12676	12498	12478	12314	12359	12513	12522	12314	12238	12922	13964	14837	15469	16002	16370	16702	
SRev ST-Coal		186	251	212	234	241	235	229	231	239	246	240	241	233	233	250	404	312	234	223	169	135	120	-4	
SRev CCGT-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 CCGT-Gas		1201	1529	1897	1984	2107	2246	2458	2588	2683	2691	2767	2781	2668	2666	2766	2746	2212	1236	947	780	846	563	464	
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		8	33	11	3	5	5	4	4	4	4	3	4	4	5	5	4	5	6	6	6	9	7	7	
Syncon		800	800	800	800	800	800	800	800	649	800	800	800	800	800	649	800	800	800	800	800	598	447	447	
Hydro		138	137	138	124	130	131	133	132	134	266	148	151	138	128	281	151	121	120	132	131	111	415	278	
S.Reserve Total		2333	2750	3058	3145	3283	3417	3624	3755	3860	3856	3958	3977	3843	3832	3951	4105	3450	2396	2107	1886	1696	1580	1225	