

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,285 MW
Distillate	0 MW
Total TNB	5,834 MW
Total IPP	16,030 MW
Total Co-Gen	70 MW
Total System	22,498 MW

Generation Mix

Type	MWh	Percentage
Gas	34,313	10.86 %
Hydro	11,303	3.58 %
Total TNB	45,616	14.43 %
ST-Coal	198,193	62.72 %
Gas	71,126	22.51 %
Total IPP	269,319	85.22 %
Co-Gen	1,601	0.51 %
Total Co-Gen	1,601	0.51 %
Total Generation	316,536	100.16 %
PLTG	-204	-0.06 %
HVDC	725	0.23 %
Interconnection	521	0.16 %
Net Energy	316,015	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:	16:30:00 Hour
Total Set On Bus	16,904 MW
TNB Generation	2,206 MW
IPP Generation	12,307 MW
Spinning Reserve	2,325 MW
Maximum Demand	14,533 MW
Net Energy	316,015 MWH
Load Factor	90.60 %

Fuel Cost

Total Cost:	45,348,899.30 RM
Cost per Unit	14.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	650
Hydro	641
Syncon	774
Thermal	182
Total	2,247

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	199
Total TNB	246
CBPS	51
KLPP	71
NPRI	138
PGLA	77
PKLG	1
PLPS	36
SGRI	144
Total IPP	517
Total Gas	763

Total Gas Required 763

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	13017	12407	11926	11541	11298	11049	11111	11163	11527	13051	13961	14393	14357	13958	14400	14511	14523	14294	13541	13354	14450	14309	13836	13580

Daily MW Generation on Thursday

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
BSIA	HY01	21	21	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	23	23	23	16	16	16	16	16	16	16	16	16	16	24	24	24	23	23	23	23	23	23	23	23
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	64	-1	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0
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	37	37	37	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
KNYR	HY01	101	101	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	60	60	60	58	57	57	55	55	56	59
KNYR	HY02	65	61	61	61	61	61	61	59	54	57	57	59	60	55	60	61	60	61	61	61	62	59	58	58
KNYR	HY03	102	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	103	0	0	0	0	0	0	0	0	0	0	0	0	61	62	62	61	62	59	58	58	58	57	57
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	6	6
PGAU	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
PGAU	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
PGAU	HY03	20	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	20	20	20	20	20	20	20	20	19	-1
PGAU	HY04	21	21	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	20	20	20	20	20	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	42	51	51	51	31	31
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	25	25	25	16	16	16	21	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	17	18	25	25
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	82	82	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	33	32	32	32	34	34	34	31	32
TMGR	HY02	84	84	35	35	35	35	35	34	29	34	34	35	35	31	35	35	35	35	35	35	35	35	35	35
TMGR	HY03	70	70	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33	33	32	32	31	31	31	33
TMGR	HY04	81	81	0	0	0	0	0	0	0	0	0	0	0	34	34	34	34	34	34	34	34	34	34	34
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	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		939	664	318	197	197	197	197	193	184	216	192	195	218	187	220	219	438	439	433	431	437	644	640	
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	CUFG	33	37	36	37	36	37	37	36	37	35	36	36	37	37	38	36	37	37	38	38	36	36	37	41
PCUF	CUFK	30	31	30	30	30	31	30	30	31	30	31	31	31	30	31	31	31	29	31	30	31	31	30	31
Total Co-Gen		63	68	66	67	66	68	67	66	68	65	67	67	67	69	67	66	68	68	69	67	67	67	72	
Total Gen		13029	12674	12361	12159	11913	11679	11589	11396	11336	11203	11094	11107	11163	11288	11235	11183	11480	12412	13068	13490	13953	14164	14415	
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	30	30	30	30	29	30	31	29	32	30	29	29	30	30	31	31	30	30	30	30	30
TIE-PLTG		-18	-69	-76	-30	-43	-35	17	5	8	48	15	-5	22	24	42	-20	-77	-59	-12	-20	-39	-100	-8	
Interconnection		12	-39	-46	0	-13	-5	48	36	38	77	45	26	52	55	72	10	-47	-30	17	10	-8	-69		
System Total		13017	12713	12407	12159	11926	11684	11541	11360	11298	11126	11049	11081	11111	11233	11163	11173	11527	12442	13051	13480	13961	14233		
SReV ST-Coal		165	185	154	212	314	332	420	404	416	459	484	491	473	478	486	502	194	277	243	219	246	208	214	

Daily MW Generation on Thursday

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																								
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
SRev CCGT-Gas		961	686	682	706	849	1067	1068	1276	1322	1453	1667	1646	1643	1627	1706	1802	1915	1503	897	741	586	484	660	651	719	1016	1200	1000	803	720	789	856	778	763	943	935	1244	1424	1425	769	416	528	354	286	373	522	383	328
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		
SRev Co-Gen		7	2	4	3	4	2	3	4	2	5	3	3	2	3	3	3	1	3	4	2	2	1	3	3	3	-2	2	6	4	4	2	4	3	4	3	4	4	3	2	3	3	4	4	5	5	5	4	6
Syncon		802	1029	1266	1455	1455	1329	1329	1455	1455	1304	1455	1178	1329	890	890	890	890	890	890	890	890	676	676	802	802	802	802	802	802	802	651	802	838	1241	1241	1241	1039	888	489	676	676	802	802	651	752			
Hydro		413	361	237	145	145	146	146	149	158	277	150	147	275	155	274	274	577	576	573	575	569	700	704	647	685	690	679	650	630	653	641	619	750	667	698	248	247	247	322	509	657	682	735	658	706	758	647	
S.Reserve Total		2348	2263	2343	2521	2767	3001	2966	3159	3344	3530	3735	3745	3720	3687	3805	3759	3713	3250	2610	2425	2299	2152	2253	2249	2376	2712	2907	2686	2470	2338	2404	2463	2355	2325	2560	2635	2895	3069	3061	2303	1926	1847	1861	1895	1986	2168	1915	1855