

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,469 MW
Distillate	0 MW
Total TNB	5,260 MW
Total IPP	16,467 MW
Total Co-Gen	57 MW
Total System	22,348 MW

Generation Mix

Type	MWh	Percentage
Gas	32,800	11.57 %
Hydro	6,605	2.33 %
Total TNB	39,405	13.90 %
ST-Coal	171,232	60.39 %
Gas	72,462	25.56 %
Total IPP	243,694	85.94 %
Co-Gen	248	0.09 %
Total Co-Gen	248	0.09 %
Total Generation	283,347	99.93 %
PLTG	-844	-0.30 %
HVDC	640	0.23 %
Interconnection	-204	-0.07 %
Net Energy	283,551	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 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	15,278 MW
TNB Generation	1,838 MW
IPP Generation	11,514 MW
Spinning Reserve	1,912 MW
Maximum Demand	13,415 MW
Net Energy	283,551 MWH
Load Factor	88.07 %

Fuel Cost

Total Cost:	48,909,710.94 RM
Cost per Unit	17.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	564
Hydro	163
Syncon	1,327
Thermal	311
Total	2,365

Time Weather Temperature

Afternoon	Hot	35
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	12132	11711	11408	11085	10896	10702	10707	10727	10407	11002	11709	12165	12171	11967	11968	12011	11943	11873	11816	12433	13239	13284	13034	12508

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	201
Total TNB	230
CBPS	51
KLPP	73
NPRI	148
PGLA	101
PLPS	66
SGB3	34
YPKA	23
Total IPP	498
Total Gas	727
Total Gas Required	727

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	HY02	37	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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	HY02	58	57	58	58	59	58	58	58	59	58	58	59	58	59	58	59	58	59	59	59	56	60	59	59
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	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
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50
SIHY	HY02	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50
SIHY	HY03	33	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	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY04	17	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	35	36	34	36	36	34	34	34	34	31	34	34	33	34	34	32	34	34	34	34	34	34	34	34
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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	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
Total Hydro		391	222	200	224	203	223	200	200	197	201	200	199	201	201	198	219	206	204	200	204	205	205	205	205
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	3	4	2	3	2	3	3	4	3	2	3	4	3	4	4	5	4	3	3	4	3	3	4	3
PCUF	CUFK	6	6	5	4	5	5	5	6	5	5	5	6	4	6	5	5	4	5	7	4	5	6	3	6
Total Co-Gen		9	10	7	7	7	8	8	9	8	8	7	8	10	7	9	9	9	9	9	10	7	8	9	8
Total Gen		12071	11820	11682	11641	11394	11253	11079	10932	10857	10656	10652	10831	10739	10816	10758	10513	10441	10871	10996	11428	11725	11935	12141	12112
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	30	30	30	31	31	31	31	31	31	31	30	30	30	30	30	29	29	30	30	31	31
TIE-PLTG		-32	-94	0	-14	-44	18	-36	-68	-70	2	-80	-33	2	-42	0	-22	4	-4	-37	-24	-14	-67	-54	
Interconnection		-61	-123	-29	16	-14	49	-6	-37	-39	33	-50	-2	32	-11	31	8	34	27	-6	6	16	-37	-24	
System Total		12132	11943	11711	11625	11408	11204	11085	10969	10896	10623	10702	10833	10707	10827	10727	10505	10407	10844	11002	11422	11709	11972	12165	12110
SRev ST-Coal		365	282	358	383	405	352	237	219	229	253	251	246	244	249	244	247	234	248	406	416	417	424	418	408
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		599	732	624	813	951	994	1095	1259	1413	1590	1597	1424	1513	1439	1500	1742	1846	1391	1274	846	648	449	253	292
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		48	47	50	50	50	49	49	48	48	49	49	50	49	47	50	48	48	48	48	48	48	47	50	49
Syncon		1351	1200	1351	1200	1351	1200	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351
Hydro		206	276	147	274	144	275	147	147	147	150	146	147	148	146	146	149	279	141	143	147	143	142	142	143

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																								
S.Reserve Total		2569	2537	2530	2720	2901	2870	2879	3024	3188	3393	3394	3218	3305	3232	3291	3537	3607	3179	3222	2808	2607	2413	2214	2243	2170	2364	2403	2647	2659	2521	2541	2471	2577	2477	2709	2736	2746	2898	2725	1986	2070	1912	2031	2011	2199	2313	2511	2353