

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,458 MW
Hydro	1,602 MW
Distillate	0 MW
Total TNB	7,200 MW
Total IPP	10,489 MW
Total Co-Gen	79 MW
System Total	17,768 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30		
TNB Generation	5,049 MW	
IPP Generation	8,189 MW	
Total Set On Bus	14,339 MW	
Maximum Demand	13,367 MW	
Spinning Reserve	1,022 MW	
Net Energy	284,187 MWH	
Load Factor	88.6 %	

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 MWH

Hourly System MW Generation

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	12862	12400	11925	11533	11361	11356	10992	10558	9852	10389	11048	11555	11748	11819	12031	12184	12155	11941	11736	11905	12805	13231	13184	13274

Gas Usage

Station	(mmscfd)
GLGR	57
PAKA	97
PGPS	50
SRDG	18
TJGS	110
TNB Total	332
KLPP	114
MPSS	47
PGLA	110
PKLG	7
PLPS	57
SGB3	36
SGRI	186
YPGS	58
YPKA	89
IPP Total	704
Total Gas	1,037

Total Gas Required : 1,037
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,307.00	17.35 %
Gas	42,458.00	14.94 %
Hydro	9,619.00	3.38 %
Total TNB	101,384.0	35.68 %
ST-Coal	87,909.0	30.93 %
ST-Gas	280.0	0.10 %
Gas	91,809.0	32.31 %
Total IPP	179,998.0	63.34 %
Co-Gen	2,097.0	0.74 %
Total Co-Gen	2,097.0	0.74 %
Total Generation	283,479.0	99.75 %
PLTG	-9.0	0.00 %
HVDC	-699.0	-0.25 %
Interconnection	-708.0	-0.25 %
Net Energy	284,187.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	226
Hydro	125
Syncon	428
Thermal	118
Total	896

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 34

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																											
YPKA	BLK1	366	330	245	245	242	242	241	241	242	242	246	246	242	242	239	239	239	239	238	238	239	239	238	238	239	239	239	240	240																						
YPKA	BLK2	372	347	266	255	254	254	254	254	254	258	258	254	254	251	251	251	251	251	251	251	251	251	251	250	250	252	252	252	253	253																					
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	137	135	136	137	136	137	104	106	106	105	106	137	137	137	138	137	137	137	138	138													
PLPS	GT12	124	117	127	126	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											
PLPS	GT13	137	137	138	138	140	140	108	110	109	114	107	107	106	105	108	106	106	107	106	106	108	106	140	140	139	138	139	139	109	109	109	110	110	140	140	138	141	140	140	140	140										
PLPS	ST18	141	138	140	141	95	63	56	50	56	56	50	49	49	47	49	51	53	55	56	56	54	55	55	55	55	57	55	146	144	143	144	144	143	132	129	131	131	143	144	143	144	143	144	143	144	143	144	143			
TJGS	GT1A	232	220	222	218	219	219	223	222	225	225	222	225	225	223	214	144	144	213	223	221	220	223	222	219	220	220	220	220	221	217	220	217	220	219	220	218	221	220	221	217	218	218	221	221	221	221	225				
TJGS	GT1B	218	215	215	215	215	215	215	219	219	219	219	219	219	219	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	218	218				
TJGS	ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	258	258	258	258	258	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255			
Total CCGT-Gas		6163	6156	5992	5935	5633	5593	5488	5344	5304	5252	5147	5036	4855	4812	4566	4232	4073	4318	4396	4830	4887	5221	5485	5523	5626	5665	5669	5745	5803	5921	5917	5909	5903	5814	5765	5586	5549	5600	5596	5822	5969	6121	6117	6097	6076	6054	6114	6265			
PKLG	GT09	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	0	0	0		
SRDG	GT01	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	0	0	0	0	
SRDG	GT02	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	0	0	0	0	
SRDG	GT03	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	0	0	0	0	
SRDG	GT05	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	0	0	0	0	
Total 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	0	0	0	0	0	0	0	0	0	0
BSIA	HY01	19	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	0	0		
BSIA	HY02	22	12	12	11	12	12	11	12	11	11	11	11	11	11	12	11	12	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
BSIA	HY03	22	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	0	0	0	
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	10	10	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	20	26	25	25	27	25	22	26	24	21	25	22	24	25	21	19	22	25	24	24	23	22	23	25	24	24	23	24	22	24	24	23	24	23	24	23	25	24	20	21	24	24	22	21	22	23	25	25	25	25	
KNRG	HY02	22	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	0	0	0	0
KNRG	HY03	20	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	0	0	0	0
KNYR	HY01	91	96	96	96	96	97	59	71	63	56	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	
KNYR	HY02	95	100	100	100	100	101	-1	-1	-1	-1	102	97	-1	-1	-1	-1	100	101	101	79	62	61	61	99	64	69	84	94	59	85	69	77	63	60	60	65	61	64	100	99	99	100	100	100	99	99	99	99	99	99	99
KNYR	HY04	95	95	95	96	95	0	0	0	15	69	58	64	65	59	52	61	85	90	83	64	66	77	97	76	69	65	100	97	93	79	74	76	62	62	64	61	64	99	99	99	99	99	99	99	99	99	99	99	99	99	
LPIA	HY01	15	16	19	21	20	18	16	17	19	21	19	18	17	19	19	17	15	15	18	18	18	18	18	18	18	18	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	112	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	0	0	0	
PGAU	HY02	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	78	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	HY01	77	81	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	74	84	38	38	4																																														

