

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,005	MW
Hydro	1,554	MW
Distillate	0	MW
Total TNB	7,629	MW
Total IPP	11,266	MW
Total Co-Gen	63	MW
System Total	18,958	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30		
TNB Generation	5,688	MW
IPP Generation	8,782	MW
Total Set On Bus	15,370	MW
Maximum Demand	14,439	MW
Spinning Reserve	837	MW
Net Energy	308,989	MWH
Load Factor	89.2	%
Total Cost	44,885,752	RM
Cost per Unit	14.73	cents/kWH

Maximum Demand Record

Date :	11/06/2014	16,901.0 MW
Date :	19/06/2014	354,829.0 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	14271	13656	13106	12715	12242	12190	11958	11707	10907	11566	12145	12733	12918	12909	13119	13144	13120	12921	12672	12741	14090	14321	14192	14056

Gas Usage

Station	(mmscfd)
CBPS	43
GLGR	58
PAKA	147
PGPS	40
TJGS	213
TNB Total	500
KLPP	110
PGLA	106
PKLG	74
PLPS	68
SGRI	115
YPGS	55
YPKA	84
IPP Total	613
Total Gas	1,113
Total Gas Required :	1,141
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	28
Total	28

Generation Mix

Type	MWh	Percentage
ST-Coal	48,419.00	15.67 %
Gas	66,268.00	21.45 %
Hydro	6,116.00	1.98 %
Total TNB	120,803.0	39.10 %
ST-Coal	106,975.0	34.62 %
ST-Gas	7,134.0	2.31 %
ST-Oil	2,745.0	0.89 %
Gas	72,057.0	23.32 %
Total IPP	188,911.0	61.14 %
Co-Gen	977.0	0.32 %
Total Co-Gen	977.0	0.32 %
Total Generation	310,691.0	100.55 %
PLTG	611.0	0.20 %
HVDC	1,091.0	0.35 %
Interconnection	1,702.0	0.55 %
Net Energy	308,989.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	214
Hydro	150
Syncon	569
Thermal	119
Total	1052

Weather Temperature

Weather	Temperature
Morning	Sunny 29
Afternoon	Hot 35

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		
SGRI	GT23	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	ST24	197	151	140	112	64	64	66	66	66	66	69	69	71	71	72	76	76	76	77	79	78	77	77	77	77	78
YPGS	GT11	124	107	112	107	101	98	98	98	103	103	103	99	98	97	94	84	81	96	96	94	97	104	106	100	99	
YPGS	GT12	127	112	117	109	106	103	99	102	106	107	106	104	103	102	99	89	87	101	100	100	102	108	110	103	104	
YPGS	ST10	137	126	129	129	124	122	122	121	127	125	122	124	124	121	119	111	110	119	118	121	117	123	122	122	126	
YPKA	BLK1	264	261	261	263	263	258	258	259	259	259	259	264	264	258	246	246	257	261	261	263	263	263	266	266	264	
YPKA	BLK2	279	275	275	276	276	271	271	272	272	272	272	277	277	277	277	277	259	259	259	265	265	268	268	269	269	
PLPS	GT11	114	113	114	114	114	113	114	66	67	65	66	65	64	65	65	65	65	65	67	66	65	113	114	142	144	
PLPS	GT13	110	110	112	110	110	109	110	64	63	63	64	64	64	64	63	64	63	64	64	84	140	139	138	139	141	
PLPS	ST18	134	134	132	134	133	133	133	94	91	91	92	92	91	91	93	91	92	93	92	93	112	115	146	146	146	
TJGS	GT1A	213	213	213	213	213	213	213	213	213	217	217	217	217	217	217	217	152	152	155	155	212	216	216	216	216	
TJGS	GT1B	214	214	214	214	218	214	217	217	217	217	217	217	217	217	217	217	154	154	154	154	218	218	218	218	218	
TJGS	ST1C	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	199	199	196	196	245	253	253	253	253		
TJGS	GT2A	220	220	220	211	188	184	186	184	206	219	222	219	216	220	183	185	185	202	196	202	205	217	210	218	218	
TJGS	GT2B	215	217	217	211	185	180	182	183	205	217	216	216	217	178	184	181	200	195	201	202	214	209	214	214	214	
TJGS	ST2C	262	261	263	261	243	243	240	240	259	254	249	262	262	260	243	237	240	246	244	253	241	261	249	261	263	
Total CCGT-Gas		6824	6466	6254	6111	5949	5640	5548	5388	5407	5378	5293	5084	5072	5018	4845	4481	4429	4629	4611	4894	5171	5560	5601	5750	5807	
BSIA	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		
BSIA	HY02	13	12	13	12	12	12	12	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
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	
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	9	
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	0	
KNRG	HY02	27	27	26	26	26	26	26	26	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
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	-1	
KNYR	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	0	
KNYR	HY04	67	66	67	66	63	61	61	62	67	67	63	64	68	63	60	51	51	61	61	62	62	63	63	61	63	
LPIA	HY02	20	20	20	20	20	21	20	20	20	20	21	21	20	20	21	20	20	20	20	21	21	21	20	20	20	
MNOR	HY01	6	6	6	6	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY02	-1	-1	25	-1	-1	-1	-1	25	27	-1	-1	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	112	32	36	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	49	50	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	49	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	25	25	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	25	25	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	25	25	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	25	25	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	-1	
TMGR	HY02	49	42	43	49	35	30	30	33	42	51	40	42	54	33	27	20	21	41	39	43	41	42	42	39	43	
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	-1	
TMGR	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	0	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		514	427	309	250	181	174	174	177	218	229	186	188	298	179	168	151	152	184	181	207	185	188	187	182	230	
PCUF	CUFK	0	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	CUEK	32	33	33	36	38	39	40	38	38	39	38	36	38	37	37	37	38	37	39	38	36	37	34	33	33	
Total Co-Gen		32	33	33	36	38	39	40	38	38	39	38	36	38	37	37	37	38	37	39	38	36	37	34	33	33	
Total Gen		14403	13991	13683	13464	13235	12920	12820	12542	12393	12330	12286	11970	12023	11955	11837	11275	11058	11313	11576	11916	12171	12524	12697	12881	12975	

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
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	31	29	32	29	29	29	31	32	29	29	29	31	29	29	29	31	29	32	32	31	31	31	31	31
TIE-PLTG	101	14	-1	76	100	74	74	100	122	66	69	61	34	74	101	128	122	24	-21	2	-3	104	-67	13
Interconnection	132	43	31	105	129	103	105	132	151	95	98	90	65	103	130	157	151	56	10	31	26	133	-36	42
System Total	14271	13948	13652	13389	13106	12817	12715	12410	12242	12235	12190	11880	11958	11852	11707	11118	10907	11257	11566	11885	12145	12391	12733	12839
SRev ST-Coal	86	55	32	52	50	50	62	116	123	128	63	126	151	123	57	238	318	288	98	66	64	74	31	41
SRev ST-Gas	0	0	0	0	0	0	0	0	0	0	37	75	75	74	74	75	75	75	75	75	75	78	81	82
SRev ST-Oil	6	5	6	6	8	8	5	70	77	76	75	37	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas	308	316	238	381	323	532	624	584	565	594	679	888	900	896	1069	1433	1431	1270	1288	1005	728	339	298	172
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 Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon	575	575	424	726	726	726	726	575	575	726	726	575	726	726	726	726	726	726	726	575	726	726	726	726
Hydro	136	223	342	99	117	124	124	121	231	220	112	110	151	119	130	147	146	114	117	242	113	110	111	116
S.Reserve Total	1111	1174	1042	1264	1224	1440	1541	1617	1571	1593	1655	1924	1852	1939	2056	2618	2696	2473	2304	1963	1706	1324	1244	1136