

Daily System Generation Summary on Sunday

Sunday, August 07, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,596 MW
Hydro	2,069 MW
Distillate	0 MW
Total TNB	4,665 MW
Total IPP	13,974 MW
Total Co-Gen	25 MW
Total System	18,664 MW

Generation Mix

Type	MWh	Percentage
Gas	38,405	12.44 %
Hydro	5,553	1.80 %
Total TNB	43,958	14.23 %
ST-Coal	158,621	51.36 %
ST-Gas	3,344	1.08 %
ST-Oil	2,239	0.72 %
Gas	100,925	32.68 %
Total IPP	265,129	85.85 %
Co-Gen	322	0.10 %
Total Co-Gen	322	0.10 %
Total Generation	309,409	100.19 %
PLTG	-142	-0.05 %
HVDC	723	0.23 %
Interconnection	581	0.19 %
Net Energy	308,828	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:	21:30:00 Hour
Total Set On Bus	16,233 MW
TNB Generation	2,334 MW
IPP Generation	12,181 MW
Spinning Reserve	1,706 MW
Maximum Demand	14,524 MW
Net Energy	308,828 MWH
Load Factor	88.60 %

Fuel Cost

Total Cost:	41,350,562.25 RM
Cost per Unit	13.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	312
Hydro	153
Syncon	1,010
Thermal	197
Total	1,672

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	29

Gas Usage

Station	(mmscfd)
GLGR	32
PAKA	106
PGPS	37
SRDG	15
TJGS	109
Total TNB	299
CBPS	55
KLPP	101
MPSS	39
NPRI	151
PDPS	8
PGLA	111
PKLG	4
PLPS	67
PTEK	19
SGRI	202
PKLG	33
Total IPP	789
Total Gas	1,088
Total Gas Required	1,110

Alternate Fuel Usage

Station	(mmscfd)
PKLG	23
Total	23

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	13928	13368	12853	12514	12091	11861	11806	11508	10888	11451	12145	12737	12894	12836	13077	13157	13284	13114	12661	13013	14240	14514	14321	14194

Daily MW Generation on Sunday

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																											
PCUF	CUFK	14	13	13	14	13	14	13	13	13	14	14	13	14	14	13	14	14	12	14	14	13	14	13	14	13	12	14	15	13	13	13	13	14	13	14	14															
Total Co-Gen		13	12	12	13	12	13	12	12	12	13	13	12	12	11	12	12	13	13	11	13	13	12	13	12	12	13	12	13	12	11	13	14	12	12	12	12	13	12	13												
Total Gen		13901	13467	13422	13095	12889	12771	12494	12296	12146	12003	11825	11681	11804	11801	11547	11008	10919	11302	11430	11816	12198	12598	12776	12881	12993	12819	12871	12978	13101	13134	13168	13204	13350	13283	13156	12878	12773	12855	13006	13874	14275	14495	14525	14527	14361	14341	14241	14064			
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	0	0	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	31	31	31	31	30	30	30	30	31	31	30	30	30	30	29	29	31	31	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	29	29	31	31	31	31	30	30	29	29	29	29	29	29	29	29	
TIE-PLTC		-57	-71	23	5	6	-16	-50	-21	25	-18	-67	2	-33	-32	10	32	1	-15	-51	33	23	47	9	-1	69	24	5	-17	-7	-17	-20	-69	36	-2	12	-4	82	-6	-37	-91	5	-32	-20	-26	11	17	17	3			
Interconnection		-27	-40	54	35	36	13	-20	9	55	13	-36	32	-2	-2	39	62	31	15	-21	63	53	77	39	29	99	54	35	14	24	14	11	-39	66	28	42	26	112	23	-7	-60	35	-1	11	3	40	46	47	32			
System Total		13928	13507	13368	13060	12853	12758	12514	12287	12091	11990	11861	11649	11806	11903	11508	10946	10888	11287	11451	11753	12145	12521	12737	12852	12894	12765	12836	12964	13077	13120	13157	13243	13284	13255	13114	12852	12661	12832	13013	13034	14240	14496	14514	14524	14321	14295	14194	14032			
SRev ST-Coal		82	186	163	210	188	206	195	200	201	198	185	224	201	220	177	216	222	214	207	218	214	219	227	211	220	217	215	216	207	201	189	192	201	189	199	209	248	218	208	137	143	133	165	145	127	152	128	187			
SRev ST-Oil		0	1	1	0	0	0	41	37	37	37	37	37	37	37	37	37	37	37	38	38	39	39	39	39	39	0	0	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 OCGT-Gas		50	47	20	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		306	322	311	264	296	249	361	357	502	366	579	666	572	569	868	1331	1420	998	1164	1137	776	359	184	341	385	463	416	411	215	217	202	214	325	334	365	564	643	701	612	330	317	196	257	269	363	255	314	206			
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	0	0	0	0	0
SRev Co-Gen		12	13	13	12	13	12	13	13	13	13	12	12	12	12	12	13	12	12	13	13	14	13	13	12	12	12	14	12	12	13	12	13	13	12	13	12	13	14	12	11	13	13	13	13	13	12	13	12	12	12	
Syncon		1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089		
Hydro		132	124	119	125	124	131	129	131	135	139	118	136	129	268	266	134	127	131	136	137	270	132	130	151	197	137	134	170	126	96	90	129	224	295	194	138	275	267	127	175	127	120	89	329	214	124	130	113			
S.Reserve Total		1671	1782	1716	1755	1710	1687	1828	1827	1977	1842	2020	2164	2041	2044	2298	2819	2908	2482	2647	2633	2251	1851	1682	1717	1688	1806	1754	1772	1649	1616	1582	1646	1605	1672	1734	2012	2117	2138	2948	1858	1788	1568	1538	1706	1872	1692	1692	1613			