

Daily System Generation Summary on Saturday

Saturday, August 27, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,751 MW
Hydro	2,217 MW
Distillate	0 MW
Total TNB	5,968 MW
Total IPP	14,555 MW
Total Co-Gen	0 MW
Total System	21,087 MW

Generation Mix

Type	MWh	Percentage
Gas	52,644	16.37 %
Hydro	4,762	1.48 %
Total TNB	57,406	17.85 %
ST-Coal	187,865	58.41 %
Gas	75,855	23.58 %
Total IPP	263,720	81.99 %
Co-Gen	1,457	0.45 %
Total Co-Gen	1,457	0.45 %
Total Generation	322,583	100.29 %
PLTG	230	0.07 %
HVDC	718	0.22 %
Interconnection	948	0.29 %
Net Energy	321,635	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:	20:30:00 Hour
Total Set On Bus	16,544 MW
TNB Generation	2,791 MW
IPP Generation	11,920 MW
Spinning Reserve	1,772 MW
Maximum Demand	14,731 MW
Net Energy	321,635 MWH
Load Factor	90.97 %

Fuel Cost

Total Cost:	40,635,521.65 RM
Cost per Unit	12.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	398
Hydro	124
Syncon	1,039
Thermal	162
Total	1,723

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

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	13754	13308	12933	12482	12154	11943	11906	11875	11506	12623	13351	14073	14088	13804	14051	14126	14185	13841	13518	13661	14722	14611	14283	14165

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	28
PAKA	98
PGPS	40
SRDG	3
TJGS	211
Total TNB	382

CBPS	50
KLPP	84
MPSS	45
NPRI	140
PGLA	102
PLPS	44
PTEK	5
SGRI	76
Total IPP	546

Total Gas	928
Total Gas Required	928

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Saturday

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-HVDC		30	29	31	31	29	29	30	30	29	31	30	29	30	30	30	30	30	30	30	30	29	29	30	30	31	31	30	30	30	30	30	29	29	30	30	31	31	29	29											
TIE-PLTG		66	42	18	12	33	6	14	7	6	29	-15	3	1	3	64	30	-8	-55	-20	-8	-9	-56	-1	33	-40	-4	-24	-40	35	4	19	41	19	-19	30	-6	9	-9	16	24	45	11	33	49	24	40	-34	44		
Interconnection		96	79	48	43	62	35	44	37	35	61	16	32	32	32	94	60	22	-24	9	21	21	-26	28	63	-10	26	6	-9	64	34	50	72	49	11	60	23	38	21	46	54	74	41	64	79	55	70	-5	73		
System Total		13754	13628	13308	13054	12933	12659	12482	12357	12154	12084	11943	11923	11906	11962	11875	11466	11506	12166	12623	13164	13351	13752	14073	14244	14088	13906	13804	13981	14051	14178	14126	14099	14185	14215	13841	13712	13518	13422	13661	14464	14722	14731	14611	14557	14283	14264	14165	13932		
SRev ST-Coal		142	151	141	152	156	155	232	282	267	274	277	247	244	247	248	257	252	251	257	250	228	219	126	143	137	143	142	148	156	135	143	143	128	136	137	134	136	132	149	142	145	151	155	147	150	133	120	143		
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		503	448	665	601	701	830	924	1004	1221	1262	1442	1479	1497	1440	1172	1603	1600	1000	654	500	379	448	320	233	480	518	639	470	315	242	272	275	228	314	613	869	1043	1243	959	345	400	338	320	215	405	438	653	818		
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
SRev Co-Gen		1	0	3	1	2	-1	0	0	0	1	1	-1	1	0	1	0	0	3	2	2	1	3	2	1	0	0	1	5	-38	-41	-39	-39	-39	-38	-40	-39	-40	-40	-40	-39	-41	-40	-41	-42	-38	-43	-50			
Syncon		1011	986	986	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	
Hydro		189	260	249	119	116	142	138	140	143	138	141	140	140	139	129	133	136	127	127	129	236	116	121	24	174	113	115	115	115	114	115	115	114	277	150	108	110	108	111	96	105	228	105	95	106	238	124	171		
S.Reserve Total		1846	1845	2044	2010	2112	2263	2431	2563	2768	2812	2998	3002	3019	2963	2687	3130	3128	2364	2027	1867	1680	1770	1556	1388	1778	1911	2033	1871	1728	1439	1475	1480	1417	1681	2006	2215	2394	2587	2323	1687	1748	1772	1788	1619	1794	1798	2032	2125		