

Daily System Generation Summary on Thursday

Thursday, January 04, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	15,827 MW
Total Co-Gen	0 MW
Total System	21,689 MW

Generation Mix

Type	MWh	Percentage
Gas	36,952	11.00 %
Hydro	16,815	5.01 %
Total TNB	53,767	16.01 %
ST-Coal	184,238	54.87 %
Gas	96,425	28.72 %
Total IPP	280,663	83.59 %
Co-Gen	1,534	0.46 %
Total Co-Gen	1,534	0.46 %
Total Generation	335,964	100.06 %
PLTG	-541	-0.16 %
HVDC	728	0.22 %
Interconnection	187	0.06 %
Net Energy	335,777	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:	14:30:00 Hour
Total Set On Bus	17,129 MW
TNB Generation	2,964 MW
IPP Generation	12,704 MW
Spinning Reserve	1,398 MW
Maximum Demand	15,745 MW
Net Energy	335,777 MWH
Load Factor	88.86 %

Fuel Cost

Total Cost:	59,544,601.91 RM
Cost per Unit	18.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	385
Hydro	386
Syncon	678
Thermal	155
Total	1,604

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	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	13086	12473	12089	11735	11549	11507	12012	12133	12530	14111	14917	15593	15345	15012	15445	15675	15694	15529	14550	14638	15474	15306	14598	14017

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	208
Total TNB	261
CBPS	52
KLPP	93
NPRI	152
PGLA	108
PLPS	87
SGRI	35
SKSP	48
YPKA	58
Total IPP	633
Total Gas	894
Total Gas Required	894

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Thursday

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-PLTG		-16	11	-9	-34	-36	-27	9	-31	3	-24	-20	-21	-42	42	-4	4	-52	-41	-40	-44	16	-63	-15	-19	9	-31	-32	-73	-44	-43	-23	-71	0	-5	20	-39	-38	26	3	-6	-40	-22	-15	-26	-27	-61	-43			
Interconnection		14	42	22	-4	-5	3	39	0	34	6	10	9	-12	-21	72	27	34	-21	-10	-10	-14	47	-32	16	12	39	-1	-1	-43	-14	-13	8	-40	31	26	51	-9	-8	56	33	25	-9	8	15	4	3	-31	-12		
System Total		13086	12696	12473	12279	12089	11950	11735	11704	11549	11608	11507	11745	12012	12346	12133	12178	12530	13582	14111	14577	14917	15239	15593	15512	15345	15120	15012	15208	15445	15745	15675	15713	15694	15693	15529	14922	14550	14454	14638	15526	15474	15427	15306	15105	14598	14231	14017	13671		
SRev ST-Coal		292	318	269	298	301	327	235	265	288	276	247	196	202	195	208	260	201	269	234	289	396	148	55	121	125	131	117	145	136	201	144	116	117	108	121	51	21	128	132	121	137	126	128	125	120	134	128	153		
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		1451	1433	1559	1673	1760	1771	1936	1967	2073	2041	2064	1668	1399	1169	1265	1389	1238	597	787	617	372	344	437	538	524	488	504	483	400	401	367	206	243	179	300	304	367	254	488	189	272	306	230	322	482	499	497	506		
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		-7	-8	-9	-8	-8	-9	-7	-8	-9	-7	-9	-7	-9	-11	-9	-7	-9	-7	-8	-9	-6	-7	-9	-7	-6	-6	-6	-5	-6	-6	-7	-6	-6	-5	-5	-4	-6	-6	-6	-4	-6	-6	-6	-6	-6	-6	-6	-7	-6	
Syncon		898	1351	1351	1351	1351	1351	1351	1200	1200	1200	1200	1351	1351	1351	1351	1351	1200	1200	1200	1013	826	675	862	1164	1164	1013	1013	439	439	313	313	313	313	439	676	1164	540	439	439	439	439	439	727	727	727	727	964			
Hydro		551	191	191	187	145	145	144	135	268	266	265	274	139	139	141	144	146	140	481	374	228	226	231	316	309	235	381	328	226	363	409	373	485	487	522	560	534	241	641	265	491	484	530	342	472	605	599	445		
S.Reserve Total		3185	3285	3361	3501	3549	3585	3659	3710	3845	3801	3792	3331	3082	2843	2956	3137	2927	2350	2694	2471	2190	1724	1540	1643	1814	2012	2160	1964	1769	1398	1352	1002	1152	1082	1251	1375	1592	1781	1795	1010	1333	1349	1321	1510	1795	1959	1944	2062		