

Daily System Generation Summary on Monday

Monday, January 02, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,155 MW
Hydro	2,179 MW
Distillate	0 MW
Total TNB	5,334 MW
Total IPP	14,639 MW
Total Co-Gen	25 MW
Total System	19,998 MW

Generation Mix

Type	MWh	Percentage
Gas	33,786	11.86 %
Hydro	6,541	2.30 %
Total TNB	40,327	14.16 %
ST-Coal	147,991	51.97 %
Gas	95,118	33.40 %
Total IPP	243,109	85.38 %
Co-Gen	730	0.26 %
Total Co-Gen	730	0.26 %
Total Generation	284,166	99.79 %
PLTG	108	0.04 %
HVDC	-696	-0.24 %
Interconnection	-588	-0.21 %
Net Energy	284,754	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	15,208 MW
TNB Generation	2,036 MW
IPP Generation	11,507 MW
Spinning Reserve	1,655 MW
Maximum Demand	13,600 MW
Net Energy	284,754 MWH
Load Factor	87.24 %

Fuel Cost

Total Cost:	38,343,967.90 RM
Cost per Unit	13.81 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	316
Hydro	180
Syncon	967
Thermal	535
Total	1,998

Time Weather Temperature

Afternoon	Hot	32
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	11911	11449	11051	10677	10510	10376	10349	10496	10378	11099	11712	12169	12321	12165	12389	12446	12397	12339	12215	12695	13569	13573	13234	12792

Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	26
SRDG	3
TJGS	163
Total TNB	247
CBPS	55
KLPP	108
NPRI	156
PGLA	108
PLPS	79
PTEK	5
SGRI	191
Total IPP	701
Total Gas	947

Total Gas Required 947

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Monday

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
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	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	GT04	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 OCCT-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
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
HTRC	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
KNRC	HY02	27	27	26	26	26	26	25	25	26	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
KNYR	HY02	59	61	60	61	60	59	61	60	56	51	59	58	60	58	58	57	60	61	61	61	60	60	62	62
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LPIA	HY01	25	25	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
MNQR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PCAU	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
PCAU	HY03	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PCAU	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
SIHY	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
SIHY	HY02	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY02	0	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	0	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	0	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	32	32	32	32	32	32	32	28	29	32	32	32	32	30	29	36	35	36	36	36	36	36	36	36
TMGR	HY02	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UJLI	HY02	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		175	177	176	197	175	175	174	176	175	166	161	174	173	169	168	179	179	181	243	265	326	455	456	453
Total Distillate		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	CUFG	1	2	2	2	1	1	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
PCUF	CUFK	33	33	33	31	33	32	32	32	32	32	33	33	32	32	32	31	32	33	32	33	32	31	32	31
Total Co-Gen		34	35	35	33	34	33	34	34	35	34	34	35	35	33	34	35	34	35	33	34	34	34	34	34
Total Gen		11884	11594	11404	11170	11035	10811	10650	10516	10490	10397	10263	10345	10286	10539	10507	10370	10411	10759	11068	11365	11658	12044	12168	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		2	-6	-16	32	12	-4	1	17	9	85	16	2	-34	4	40	81	62	19	-2	-18	-25	-57	28	
Interconnection		-27	-35	-45	4	-16	-33	-27	-12	-20	56	-13	-27	-63	-25	11	52	33	-9	-31	-47	-54	-86	-1	
System Total		11911	11629	11449	11166	11051	10844	10677	10528	10510	10341	10376	10372	10349	10564	10496	10318	10378	10768	11099	11412	11712	12130	12169	
SRev ST-Coal		158	435	621	731	863	1182	1181	1094	1074	926	1166	1276	1276	1287	1270	1281	1072	1065	1080	1078	881	828	824	
SRev OCCT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCCT-Gas		505	523	536	539	571	525	737	960	1086	1317	1406	1328	1386	1147	1170	1292	1460	1130	805	512	484	223	162	
SRev ST-Cas		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		-9	-10	-10	-8	-9	-8	-9	-9	-10	-9	-10	-10	-11	-9	-9	-10	-10	-9	-9	-10	-10	-8	-9	
Syncon		991	991	991	840	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	

Daily MW Generation on Monday

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																								
Hydro		127	125	126	256	127	127	128	126	127	136	141	128	129	256	129	133	134	123	123	121	159	287	377	247	246	249	117	166	162	160	290	296	146	149	149	144	142	143	140	213	82	81	119	120	121	157	123	127
S.Reserve Total		1772	2064	2264	2358	2543	2817	3028	3162	3268	3361	3695	3713	3772	3519	3551	3688	3647	3299	2990	2693	2505	2319	2195	2222	2220	2292	2065	2032	1959	1741	1764	1772	1759	1752	1849	2010	2174	2211	1945	1595	1697	1655	1569	1575	1696	1840	1691	1813