

Daily System Generation Summary on Monday

Monday, October 03, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,083 MW
Hydro	2,296 MW
Distillate	0 MW
Total TNB	<u>5,379 MW</u>
Total IPP	<u>13,398 MW</u>
Total Co-Gen	<u>20 MW</u>
Total System	<u>19,361 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	51,842	16.10 %
Hydro	6,947	2.16 %
Total TNB	58,789	18.26 %
ST-Coal	175,320	54.45 %
Gas	87,662	27.23 %
Total IPP	262,982	81.68 %
Co-Gen	433	0.13 %
Total Co-Gen	433	0.13 %
Total Generation	322,204	100.07 %
PLTG	-397	-0.12 %
HVDC	630	0.20 %
Interconnection	233	0.07 %
Net Energy	321,971	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	17,020 MW
TNB Generation	3,217 MW
IPP Generation	11,985 MW
Spinning Reserve	1,800 MW
Maximum Demand	15,190 MW
Net Energy	321,971 MWH
Load Factor	88.32 %

Fuel Cost

Total Cost:	40,838,149.30 RM
Cost per Unit	12.96 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	376
Hydro	230
Syncon	1,176
Thermal	131
Total	1,913

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	115
SRDG	3
TJGS	212
Total TNB	385
CBPS	54
KLPP	57
MPSS	27
NPRI	144
PGLA	55
PLPS	91
PTEK	3
SGRI	187
SKSP	26
Total IPP	643
Total Gas	1,028

Total Gas Required 1,028

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13629	13014	12580	12156	11745	11530	11519	11299	11286	12511	13264	13916	14001	13854	14266	14473	14526	14235	13722	14097	15148	15124	14842	14599

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
JMAH	U001	692	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693
JMAH	U002	693	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMJC	U001	673	676	675	677	671	674	677	675	677	677	672	675	673	678	677	673	673	685	678	678	673	682	699	692
JMJC	U002	675	673	675	671	676	676	675	673	677	673	673	675	674	595	552	573	665	682	671	673	677	675	674	672
JMJC	U003	668	672	668	660	667	663	665	666	665	660	667	663	666	666	678	664	666	659	668	671	668	664	666	663
PKLG	U005	468	466	466	468	464	468	468	466	466	469	469	466	466	468	471	468	468	468	468	466	466	464	468	464
PKLG	U006	472	469	472	472	469	471	472	468	465	468	468	472	472	472	468	472	472	468	468	472	469	470	469	469
TBIN	U001	688	688	691	689	689	691	689	689	690	687	689	690	689	689	689	689	689	689	689	689	689	689	689	689
TBIN	U002	689	692	690	689	691	694	691	690	690	692	691	691	691	693	691	692	692	686	693	693	694	690	690	691
TBIN	U003	691	690	692	693	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
TBIN	U004	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902
Total ST-Coal		7311	7312	7315	7305	7304	7314	7314	7304	7309	7304	7306	7238	7204	7200	7302	7320	7312	7316	7316	7320	7310	7306	7325	7330
Total 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
Total 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
CBPS	BLK2	368	368	363	367	364	364	364	365	364	364	365	365	359	361	239	210	218	350	374	372	372	372	370	
CLGR	GT01	108	108	108	109	77	68	69	67	69	68	68	68	69	75	104	104	104	105	103	103	104	105	104	
CLGR	GT02	108	108	108	108	77	68	68	68	68	69	69	69	68	76	104	104	104	104	104	104	104	104	104	
CLGR	ST1C	99	98	98	98	83	70	70	70	70	70	71	70	71	93	93	93	94	94	93	93	93	94	94	
KLPP	GT13	138	137	137	137	137	137	121	119	124	120	119	118	118	119	120	124	119	120	119	125	139	137	138	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	68	68	68	68	68	69	62	66	66	67	67	65	65	64	64	65	65	65	65	65	65	68	59	
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK1	458	462	490	406	443	370	365	370	378	419	365	355	361	395	359	342	363	538	482	434	461	542	536	
NPRI	BLK2	463	467	496	406	446	371	370	368	382	420	364	351	359	396	358	343	362	541	483	437	464	538	537	
PAKA	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	GT3A	88	88	88	89	64	63	64	63	64	62	63	62	64	63	62	61	62	89	87	88	86	86	86	
PAKA	GT3B	88	88	88	88	64	63	63	63	63	63	63	62	63	62	63	61	62	88	88	88	85	85	85	
PAKA	ST3C	92	92	91	91	76	75	75	75	75	75	75	74	75	74	73	74	88	91	91	90	91	90	90	
PAKA	GT4A	95	95	95	95	85	85	85	85	85	85	85	84	85	85	85	85	85	89	94	93	94	93	93	
PAKA	GT4B	81	81	81	81	74	70	70	70	70	70	70	70	70	70	69	70	80	80	79	79	79	79	78	
PAKA	ST4C	92	92	92	92	82	79	80	79	79	78	79	79	79	79	78	79	86	91	91	92	92	92	92	
PGLA	GT12	227	227	227	227	227	227	172	172	171	171	172	171	172	171	172	171	172	172	227	223	222	221	222	
PGLA	ST10	116	115	115	115	115	116	95	94	95	94	94	94	94	94	94	94	95	107	116	116	115	115	114	
PLPS	CT11	135	135	135	135	134	136	69	69	72	69	69	69	67	70	69	69	69	73	115	148	147	146	144	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	129	131	130	130	130	130	101	66	69	66	67	68	64	67	67	66	66	70	63	148	144	144	143	
PLPS	ST18	141	141	141	141	142	141	114	94	94	94	94	94	94	94	94	94	97	109	147	146	210	212		
SGRI	GT11	139	139	136	136	136	136	136	137	65	64	64	65	65	65	64	64	64	137	139	139	139	138	136	
SGRI	GT12	149	148	148	148	148	148	149	70	70	70	71	71	71	71	70	70	143	147	147	148	148	147	146	
SGRI	GT13	139	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	137	137	137	136	134	134	
SGRI	ST14	215	205	150	148	150	149	150	149	111	100	100	97	99	98	98	100	101	101	145	152	218	219		
SGRI	GT21	139	139	20	0	0	0	0	0	0	0	0	0	0	0	0	0	47	136	136	136	135	135	135	

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
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		-29	-29	-29	30	30	31	31	29	29	31	31	29	29	30	30	30	30	30	30	29	29	29	31	31
TIE-PLTG		42	32	40	8	5	25	0	13	-36	4	-20	7	-48	0	-87	-40	-65	-28	-103	-84	-75	-21	11	-4
Interconnection		13	3	12	38	37	56	31	43	-7	35	11	36	-19	0	6	-19	29	-57	-10	-35	2	-73	-64	-44
System Total		13629	13248	13014	12727	12580	12361	12156	11918	11745	11631	11530	11431	11519	11559	11299	11045	11286	11954	12511	12888	13294	13666	13916	14070
SRev ST-Coal		133	132	129	139	140	130	130	140	135	140	138	133	138	66	100	104	2	124	132	128	128	124	118	120
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 CCGT-Gas		237	310	257	336	425	638	866	1078	1321	1374	1498	1576	1536	1429	1631	1905	1723	1164	528	462	68	108	423	382
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
SRev Co-Gen		2	2	2	1	1	2	1	2	1	2	2	3	2	0	1	1	1	2	2	1	3	2	2	2
Syncon		1123	1224	1224	1073	1325	1325	1325	1325	1325	1325	1325	1174	1325	1325	1199	1199	1325	1325	1174	1325	1224	1123	972	1224
Hydro		337	305	287	328	134	130	133	129	115	128	131	131	134	267	133	134	130	124	137	136	266	122	255	221
S.Reserve Total		1837	1978	1904	1882	2030	2230	2460	2679	2902	2974	3099	3173	3140	2941	3195	3474	3060	2618	2129	2057	1644	1686	2022	1848