

Daily System Generation Summary on Thursday

Thursday, October 09, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,177 MW
Hydro	1,847 MW
Distillate	123 MW
Total TNB	8,217 MW
Total IPP	10,385 MW
Total Co-Gen	0 MW
Total System	18,602 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,099	14.03 %
Gas	80,826	24.07 %
Hydro	17,452	5.20 %
Distillate	959	0.29 %
Total TNB	146,336	43.58 %
ST-Coal	89,811	26.74 %
ST-Oil	9,352	2.78 %
Gas	82,121	24.45 %
Distillate	6,328	1.88 %
Total IPP	187,612	55.87 %
Co-Gen	941	0.28 %
Total Co-Gen	941	0.28 %
Total Generation	334,889	99.73 %
PLTG	-216	-0.06 %
HVDC	-705	-0.21 %
Interconnection	-921	-0.27 %
Net Energy	335,810	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	16,926 MW
TNB Generation	7,362 MW
IPP Generation	8,696 MW
Spinning Reserve	838 MW
Maximum Demand	16,146 MW
Net Energy	335,810 MWH
Load Factor	86.66 %

Fuel Cost

Total Cost:	60,992,371.64 RM
Cost per Unit	19.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	361
Hydro	195
Syncon	270
Thermal	37
Total	863

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	20
CBPS	59
GLGR	59
PAKA	170
PGGS	12
PGPS	52
SRDG	55
TJGS	217
Total TNB	643

KLPP	101
MPSS	58
PDPS	18
PKLG	20
PLPS	108
PTEK	31
SGRI	214
SKSP	55
YPKA	69
Total IPP	674

Total Gas	1,317
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Total Gas Required	1,490
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Alternate Fuel Usage

Station	(mmscfd)
CBPS	11
PDPS	44
PTEK	10
KLPP	14
PKLG	93
Total	172

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	13352	12634	12106	11913	11554	11369	11722	11621	12182	13836	15004	15659	15551	15226	15873	16066	16071	15679	14501	14661	15258	15070	14550	14026

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
KNYR	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
KNYR	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
KNYR	HY03	61	72	61	62	63	60	61	59	60	56	58	58	64	62	61	67	62	50	60	61	60	61	63	68
KNYR	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
LPIA	HY01	17	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPIA	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
MNOR	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
PGAU	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
PGAU	HY02	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	110	110	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	35	39	35	35	35	34	34	33	35	32	33	33	35	36	34	36	35	30	38	51	54	50	80	80
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	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
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
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		294	197	292	293	205	179	180	177	181	172	176	185	184	192	189	183	292	509	628	720	954	1059	1159	1054
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	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
PTEK	GT2A	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	GT2B	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 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	7	7	9	7	8	7	8	9	8	7	8	9	8	9	7	9	7	6	7	6	5	5	4	5
PCUF	CUFK	31	32	31	35	35	35	34	34	31	33	33	35	34	35	36	37	36	32	30	33	33	31	30	31
Total Co-Gen		38	39	40	42	43	42	42	43	40	41	40	43	43	43	45	46	43	41	37	39	40	37	35	36
Total Gen		13279	12823	12593	12537	12132	11894	11870	11632	11494	11360	11391	11464	11702	11685	11628	11667	12120	13325	13833	14302	14948	15235	15574	15649
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-RVDC		-30	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-43	-101	-111	11	35	-43	-14	25	-30	-7	52	75	9	26	37	15	-33	72	26	-25	-27	-4	-55	
Interconnection		-73	-130	-41	-19	26	-72	-43	-4	-60	-37	22	46	-20	-3	7	-15	-62	43	-3	-54	-56	-33	-85	
System Total		13352	12953	12634	12356	12106	11966	11913	11636	11554	11397	11369	11418	11722	11688	11621	11682	12182	13282	13836	14356	15004	15268	15689	15673
SRev ST-Coal		19	24	65	20	7	-40	31	11	43	26	51	38	98	119	31	49	21	41	16	19	34	21	23	
SRev ST-Oil		-1	31	32	32	35	35	35	35	35	35	35	35	35	39	5	-18	-78	-2	-1	-1	38	77	77	

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																									
SRev OCGT-Gas		27	0	0	0	0	0	0	0	0	0	0	0	0	224	211	218	139	85	160	85	93	156	130	52	45	46	94	206	206	203	279	162	233	141	145	143	198	193	83	44	84	0	0	0					
SRev CCGT-Gas		392	164	175	204	105	363	398	654	651	994	941	884	564	540	605	788	706	401	413	177	139	150	165	172	177	183	183	204	221	203	199	203	195	246	205	290	270	289	208	212	352	271	321	441	523	504	546	558	
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	
SRev 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	0	0	0	0	53	33	38	36	38	38	32	87	34	101	187	42	45	44	43	45	44	40	133	49	13
SRev Co-Gen		38	37	36	34	33	34	34	33	36	35	36	33	33	33	31	30	33	35	39	37	36	39	41	40	40	44	32	30	46	46	42	45	45	44	42	41	40	40	40	39	35	35	33	33	33	32	33	30	
Syncon		576	727	576	576	576	727	727	727	727	727	727	727	727	727	641	490	339	339	339	339	339	339	339	339	339	339	339	490	339	238	238	238	238	238	238	540	727	727	727	389	389	389	389	302	302	151	302	302	
Hydro		149	95	151	150	238	113	112	115	111	120	116	116	107	108	124	103	109	210	235	417	325	341	236	236	241	300	256	244	142	177	261	280	281	264	308	72	198	198	108	90	113	107	112	105	116	235	108	124	
S.Reserve Total		1200	1078	1035	1016	994	1232	1337	1575	1803	1937	1906	1833	1564	1562	1553	1736	1601	1534	1326	1285	1011	974	1002	1007	1036	1088	1167	1012	809	838	913	1036	1025	1041	1192	1187	1601	1610	1290	966	1167	1067	1014	1007	1128	1092	1074	1042	