

Daily System Generation Summary on Thursday

Thursday, September 18, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,215 MW
Hydro	1,848 MW
Distillate	0 MW
Total TNB	8,133 MW
Total IPP	10,065 MW
Total Co-Gen	0 MW
Total System	18,198 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,867	14.46 %
Gas	78,277	23.16 %
Hydro	16,397	4.85 %
Distillate	1,546	0.46 %
Total TNB	145,087	42.92 %
ST-Coal	101,874	30.14 %
ST-Oil	6,685	1.98 %
Gas	69,373	20.52 %
Distillate	13,842	4.09 %
Total IPP	191,774	56.73 %
Co-Gen	1,717	0.51 %
Total Co-Gen	1,717	0.51 %
Total Generation	338,578	100.16 %
PLTG	1,223	0.36 %
HVDC	-698	-0.21 %
Interconnection	525	0.16 %
Net Energy	338,053	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:	15:00:00 Hour
Total Set On Bus	17,219 MW
TNB Generation	7,257 MW
IPP Generation	8,951 MW
Spinning Reserve	944 MW
Maximum Demand	16,299 MW
Net Energy	338,053 MWH
Load Factor	86.42 %

Fuel Cost

Total Cost:	60,229,485.46 RM
Cost per Unit	18.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	359
Hydro	281
Syncon	221
Thermal	31
Total	892

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	23	CBPS	17
CBPS	58	PDPS	36
GLGR	56	PTEK	7
PAKA	168	PLPS	52
PGPS	42	SGRI	71
SRDG	46	PKLG	64
TJGS	216	Total	246
Total TNB	610		

KLPP	84
MPSS	59
PDPS	12
PGLA	10
PKLG	10
PLPS	45
PTEK	28
SGB3	36
SGRI	93
SKSP	57
YPGS	32
YPKA	63
Total IPP	528
Total Gas	1,138
Total Gas Required	1,384

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	13373	12883	12330	11994	11765	11448	11520	11547	12200	14006	15052	15803	15758	15448	16031	16299	16245	15786	14574	14509	15266	15001	14426	14199

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
PLPS	ST18	146	140	132	112	111	91	90	89	89	89	90	89	89	89	89	89	89	89	89	89	89	89	89	89
SGB3	GT31	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	137	134	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
SGB3	ST34	138	67	59	59	59	59	59	59	59	59	58	58	59	59	59	60	67	66	66	66	66	66	66	66
SGRI	GT11	135	135	105	106	60	61	61	60	60	61	61	60	60	60	60	60	60	60	60	60	60	60	60	60
SGRI	GT12	138	138	111	87	64	65	65	65	65	65	64	64	64	65	111	138	138	139	139	138	138	138	138	138
SGRI	GT21	136	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	136	136	136	91	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
SGRI	GT23	141	140	140	105	62	61	61	62	62	61	61	61	61	61	36	0	0	0	0	0	0	0	0	0
SGRI	ST14	147	148	134	126	96	97	96	99	97	96	96	94	96	99	98	78	126	141	141	137	137	139	139	137
SGRI	ST24	216	214	152	131	93	96	96	94	93	94	94	94	95	97	94	89	132	192	207	208	178	204	203	202
SKSP	BLK1	306	318	350	265	330	341	245	217	233	223	213	214	214	231	238	260	229	340	341	340	342	339	340	339
TJGS	GT1A	223	226	223	213	223	223	221	215	219	195	162	154	161	205	221	223	211	224	224	224	220	220	220	220
TJGS	GT1B	220	220	220	211	217	221	220	211	218	192	161	152	159	207	220	222	211	222	222	222	219	219	219	219
TJGS	GT2A	220	222	217	199	213	217	217	190	200	196	190	187	189	194	215	216	213	222	220	220	218	217	217	217
TJGS	GT2B	215	215	215	195	208	212	213	185	194	188	184	181	187	186	208	212	206	216	214	214	212	212	212	212
TJGS	ST1C	256	256	256	248	255	255	252	251	247	233	202	208	197	240	251	255	240	258	258	258	258	258	258	258
TJGS	ST2C	264	264	261	253	261	261	260	254	250	245	243	246	240	246	255	260	250	264	264	264	264	264	264	264
YPGS	GT12	125	123	123	121	122	122	122	130	121	121	122	122	121	128	127	128	126	127	128	127	126	129	126	127
YPGS	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	28	68	68	68	69	69	69	69	69	69	69
YPKA	BLK1	165	165	165	167	167	166	166	167	167	167	167	167	167	167	167	167	166	166	166	166	166	166	166	166
YPKA	BLK2	189	190	190	190	190	191	191	191	191	191	191	191	191	191	191	188	188	188	188	188	188	188	188	188
Total CCGT-Gas		6573	6325	6027	5600	5485	5402	5216	4994	4963	4772	4642	4654	4714	4873	4797	4701	5070	5918	6060	6124	6069	6024	6034	6014
CBPS	GT05	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	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
PDP5	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
PDP5	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
PDP5	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
PKLG	GT08	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	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
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
SRDG	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
SRDG	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
SRDG	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
SRDG	GT05	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 CCGT-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	HY01	12	12	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	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
BSIA	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
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	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
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	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
KNRG	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

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
KNRG	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
KNRG	HY03	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNYR	HY01	74	80	99	77	78	99	82	78	77	75	75	76	75	79	79	81	84	99	98	77	97	97	74	94
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	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	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	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	HY02	25	11	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	21	20	-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	48	22	20	20	21	21	21	23	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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	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	-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	HY02	0	0	40	39	39	40	39	36	38	35	38	31	38	39	40	43	36	49	83	51	72	82	47	69
TMGR	HY03	34	34	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
UPLA	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
UPLA	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		209	202	212	188	239	235	214	207	209	204	204	200	207	215	216	197	192	263	802	601	1028	1181	1296	1334
CBPS	GT05	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	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
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
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	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 Disillate		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	CUF6	33	34	39	39	38	38	37	39	39	40	40	40	39	38	38	40	39	39	39	39	39	40	39	40
PCUF	CUFK	37	38	36	36	37	38	38	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
Total Co-Gen		70	72	75	75	76	76	74	77	77	78	78	78	78	78	78	80	77	75	74	71	67	68	66	67
Total Gen		13404	13176	12892	12436	12362	12284	12074	11844	11808	11611	11480	11504	11566	11729	11653	11597	12210	13256	14089	14665	15086	15501	15845	16040
TIE-BGAT		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		-50	-29	-28	-28	-28	-29	-29	-29	-29	-29	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		61	44	38	24	61	94	108	67	72	110	61	91	75	98	135	11	40	-8	112	60	63	16	72	
Interconnection		31	15	9	-4	32	66	80	38	43	80	32	61	46	70	106	-19	10	-37	83	31	34	-14	42	

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																										
System Total		13373	13161	12883	12440	12330	12218	11994	11806	11765	11531	11448	11443	11520	11659	11547	11616	12200	13293	14086	14634	15052	15515	15803	16029	15758	15689	15448	15715	16031	16196	16399	16170	16245	16223	15786	15202	14574	14366	14509	15269	15266	15383	15001	14729	14426	14287	14199	14084		
SRcv ST-Coal		46	21	20	25	36	25	29	28	38	39	41	26	31	35	36	30	43	6	44	39	25	-3	32	28	51	33	40	7	40	27	50	34	33	38	36	44	50	25	41	43	31	54	34	35	63	25	27	25		
SRcv ST-Oil		1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SRcv OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	6	86	42	131	60	70	84	94	75	116	125	49	60	29	37	55	167	110	29	1	1	6	1	25	0	0	0	0	0	0	0	0
SRcv CCGT-Gas		375	403	492	919	1060	1183	1369	1591	1622	1813	1943	2001	1941	1782	1498	1454	1084	567	341	277	332	237	227	247	257	258	267	269	268	274	269	266	273	278	273	270	261	416	282	249	233	203	213	226	258	206	220	284		
SRcv 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
SRcv 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRcv Co-Gen		6	4	1	1	0	0	2	-1	-1	-2	-2	-2	-2	-2	-2	-4	-1	1	2	5	9	8	10	9	8	10	10	10	11	9	8	10	11	9	9	7	7	8	7	7	6	5	7	6	6	0	2			
Syncon		417	417	568	568	417	417	417	417	417	417	417	417	417	568	568	417	83	385	385	385	385	151	151	151	151	384	384	151	151	151	151	151	151	302	536	719	568	568	151	302	302	453	453	453	453	453	453			
Hydro		239	246	89	113	213	217	238	245	243	248	248	252	245	237	236	104	109	189	284	458	181	171	352	314	530	523	359	243	486	412	331	380	342	347	312	124	118	153	435	424	361	334	198	194	201	257	224	222		
S.Reserve Total		1084	1092	1171	1627	1727	1846	2055	2285	2321	2518	2649	2695	2633	2470	2186	2342	1911	1196	1063	1189	1041	885	944	858	1098	1126	1233	1044	1216	1087	944	1002	939	959	1101	1265	1394	1279	1422	958	1054	1002	1093	1220	1104	1001	955	1103		