

Daily System Generation Summary on Thursday

Thursday, December 18, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	1,970 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,297 MW
Hydro	1,854 MW
Distillate	0 MW
Total TNB	7,121 MW
Total IPP	10,048 MW
Total Co-Gen	0 MW
Total System	17,454 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	44,639	13.92 %
Gas	52,660	16.42 %
Hydro	17,562	5.48 %
Total TNB	114,861	35.81 %
ST-Coal	108,860	33.94 %
Gas	92,362	28.80 %
Distillate	2,870	0.89 %
Total IPP	204,092	63.63 %
Co-Gen	1,101	0.34 %
Total Co-Gen	1,101	0.34 %
Total Generation	320,054	99.79 %
PLTG	19	0.01 %
HVDC	-689	-0.21 %
Interconnection	-670	-0.21 %
Net Energy	320,724	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	16,179 MW
TNB Generation	5,875 MW
IPP Generation	9,293 MW
Spinning Reserve	968 MW
Maximum Demand	15,219 MW
Net Energy	320,724 MWH
Load Factor	87.80 %

Fuel Cost

Total Cost:	46,360,252.55 RM
Cost per Unit	15.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	463
Hydro	339
Syncon	350
Thermal	76
Total	1,228

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	29
CBPS	48
GLGR	56
PAKA	101
PGGS	4
PGPS	43
SRDG	44
TJGS	108
Total TNB	433
KLPP	94
MPSS	59
PDPS	28
PGLA	95
PTEK	12
SGB3	69
SGRI	177
SKSP	54
YPGS	70
YPKA	69
Total IPP	729
Total Gas	1,161
Total Gas Required	1,185

Alternate Fuel Usage

Station	(mmscfd)
KLPP	9
SGB3	7
SGRI	8
Total	24

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	12596	11944	11698	11298	11047	10796	10989	11412	11742	13688	14411	15019	14969	14640	15041	15175	15162	14858	14108	13981	14516	14227	13621	13336

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
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	GT12	119	143	112	112	143	111	111	111	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
SGRI	GT13	114	138	104	104	137	105	105	105	61	61	60	58	58	61	61	58	73	141	139	129	128	128	128	128
SGRI	ST14	140	142	138	133	153	135	134	131	99	92	93	97	99	95	94	103	102	190	220	209	212	211	210	210
SGRI	GT21	113	137	107	98	59	60	61	62	59	62	60	62	61	62	62	59	76	138	139	128	129	129	129	129
SGRI	GT22	121	139	113	113	66	66	66	66	66	66	65	65	66	66	66	66	66	142	141	131	132	132	132	132
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	115	140	128	128	128	128
SGRI	ST24	137	144	134	126	98	95	99	100	99	95	97	96	95	96	96	103	100	194	214	211	208	208	211	207
YPGS	GT11	118	122	125	119	127	126	127	121	125	127	127	127	127	126	123	126	123	123	123	122	122	120	120	120
YPGS	GT12	124	126	128	125	132	129	131	126	132	132	131	132	131	130	129	132	131	130	126	130	131	131	131	131
YPGS	ST10	131	133	133	131	134	136	136	132	134	135	135	136	136	135	135	135	135	135	135	135	135	135	135	135
YPKA	BLK1	186	186	188	188	186	186	182	182	181	181	182	182	181	181	182	182	180	180	180	180	180	180	180	180
YPKA	BLK2	205	205	209	209	203	203	200	200	199	199	200	200	199	199	199	199	199	199	199	199	199	199	199	199
SKSP	BLK1	228	256	234	212	276	214	215	212	253	250	215	243	343	327	348	341	348	279	217	216	214	344	284	345
TJGS	GT2A	220	220	220	220	220	221	221	140	144	144	146	145	184	221	221	221	203	211	217	218	218	218	218	218
TJGS	GT2B	219	218	218	218	218	217	217	140	141	140	141	143	180	219	219	219	208	219	219	219	219	219	219	219
TJGS	ST2C	261	261	261	261	261	261	261	220	215	215	215	216	236	262	259	262	262	249	253	261	264	264	264	264
Total CCGT-Gas		5180	4892	4642	4418	4400	4239	4237	4199	3863	3856	3795	3849	3950	4076	4294	4294	4626	5765	6439	6213	6459	6695	6644	6706
CBPS	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
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
PGGS	GT6A	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	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	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
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	13	12	13	13	12	12	13	13	13	14	14	21	21	21	21	21	21	21	21	21	21	21
BSIA	HY02	0	12	0	0	0	11	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	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	HY02	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
CEND	HY04	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
KNRG	HY01	26	37	36	36	37	36	36	37	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	27	27	27	26	28	26	27	26	28	28	28	28	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	37	30	29	29	30	29	29	29	31	24	24	25	32	34	36	36	36	35	35	35	35	35	35	35
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	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	59	64	57	51	62	55	55	49	69	66	59	62	61	58	62	63	63	55	52	56	60	62	62	62

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
LPJA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPJA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	4	4	4	4	4	0	0	0	0	0	0	0	0	3	3	7	7	8	8	8	8	7	7	7
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	79	79	112	112	112	21	0	0	0
PGAU	HY02	-1	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	80	-1	-1	-1	-1
PGAU	HY03	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	24	-1	-1	-1	-1	-1	-1	-1	-1	112	-1	-1	-1	-1	-1	-1
SIHY	HY01	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	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	82	62	64	84	83	84
TMGR	HY02	39	37	30	25	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84
TMGR	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
UPIA	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
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		481	525	495	460	387	241	226	219	245	249	190	195	173	172	257	292	298	280	345	748	801	852	974	988
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
SGB3	GT33	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
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	16	18	18	16	16	18	16	16	15	17	18	15	16	17	15	15	14	15	15	16	15	15	14	14
PCUF	CUFK	31	30	30	30	29	29	28	25	28	27	27	29	29	28	26	28	28	29	28	30	28	28	30	33
Total Co-Gen		47	48	48	46	45	47	46	41	44	42	44	44	45	44	44	45	47	44	43	43	43	42	43	44
Total Gen		12546	12234	11956	11637	11608	11306	11282	11185	10952	10927	10791	10864	10927	11045	11365	11384	11760	12875	13737	14132	14377	14740	14968	15146
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	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-28	-28	-27	-28	-28	-28	-28	-28	-28	-28	-28
TIE-PLTG		-21	-5	41	54	-60	-4	14	81	-67	-15	24	-54	-32	-6	-18	16	46	67	78	26	-5	18	-23	
Interconnection		-50	-34	12	25	90	-33	-16	51	-95	-43	-5	-83	-62	-36	-47	-13	18	38	49	-3	-34	-10	-51	
System Total		12596	12268	11944	11612	11698	11339	11298	11134	11047	10970	10796	10947	10989	11081	11412	11397	11742	12837	13688	14135	14411	14750	15019	15169
SRev ST-Coal		-14	105	103	161	98	95	101	148	74	94	112	101	112	121	105	120	182	189	152	162	132	167	147	96
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	126	119	116	117	15	73	57	125
SRev CCGT-Gas		777	572	532	756	774	935	937	975	1311	1318	1379	1325	1224	1098	880	880	1442	952	478	755	509	273	324	262
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 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
SRev Co-Gen		29	28	28	30	31	29	30	35	32	34	32	29	34	32	31	32	32	31	29	32	33	33	33	33
Syncon		725	574	574	725	725	725	725	725	574	725	725	725	725	642	642	642	642	642	491	486	486	486	486	486
Hydro		173	280	310	194	167	77	87	94	68	215	85	80	63	64	112	127	121	163	229	507	540	489	367	353
S.Reserve Total		1690	1559	1547	1866	1820	1861	1880	1977	2210	2235	2333	2260	2158	2040	1770	1801	2419	1977	1664	2073	1819	1564	1474	1246