

Daily System Generation Summary on Friday

Friday, May 27, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,384 MW
Hydro	1,760 MW
Distillate	0 MW
Total TNB	5,144 MW
Total IPP	13,828 MW
Total Co-Gen	27 MW
Total System	18,999 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	54
PAKA	196
PGPS	48
SRDG	7
TJGS	158
Total TNB	522
CBPS	53
KLPP	74
MPSS	58
PGLA	103
PLPS	92
PTEK	10
SGB3	70
SGRI	156
SKSP	53
PKLG	72
Total IPP	741
Total Gas	1,263
Total Gas Required	1,287

Alternate Fuel Usage

Station	(mmscfd)
PKLG	24
Total	24

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	17,522 MW
TNB Generation	4,007 MW
IPP Generation	12,341 MW
Spinning Reserve	1,160 MW
Maximum Demand	16,423 MW
Net Energy	352,873 MWH
Load Factor	89.53 %

Generation Mix

Type	MWh	Percentage
Gas	66,303	18.79 %
Hydro	13,324	3.78 %
Total TNB	79,627	22.57 %
ST-Coal	178,150	50.49 %
ST-Gas	7,124	2.02 %
ST-Oil	2,463	0.70 %
Gas	84,747	24.02 %
Total IPP	272,484	77.22 %
Co-Gen	366	0.10 %
Total Co-Gen	366	0.10 %
Total Generation	352,477	99.89 %
PLTG	299	0.08 %
HVDC	-695	-0.20 %
Interconnection	-396	-0.11 %
Net Energy	352,873	100.00 %

Fuel Cost

Total Cost:	48,841,472.90 RM
Cost per Unit	13.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	588
Hydro	368
Syncon	278
Thermal	175
Total	1,409

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

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	14706	14036	13440	12962	12688	12592	12572	12419	12908	14674	15554	16222	16263	15784	15878	16399	16317	15976	14966	14796	15678	15584	15155	14702

Daily MW Generation on Friday

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
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	43	38	36	35	34	35	36	36	38	37	35	37	37	41	36	34	38	35	36	30	37	59	61	60
TMGR	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
TMGR	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
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	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		498	318	275	274	257	276	225	228	209	205	204	207	193	236	183	166	209	250	264	460	622	864	930	930
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	CUPG	1	1	1	1	2	2	1	2	2	2	2	1	2	1	1	0	-1	0	0	-1	0	0	-1	-1
PCUF	CURK	17	15	13	14	15	14	13	14	14	14	13	14	12	13	13	15	14	14	15	13	14	14	14	14
Total Co-Gen		18	16	14	15	17	16	14	16	16	16	15	15	14	15	15	13	13	12	13	14	14	14	14	14
Total Gen		14674	14333	14038	13763	13362	13190	12931	12971	12633	12603	12554	12436	12550	12733	12430	12362	12853	13782	14677	15138	15565	15968	16220	16362
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		-30	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29
TIE-PLTG		-2	24	31	21	-49	-10	-1	24	-27	-5	-9	-10	7	6	39	35	-26	-33	32	1	40	36	26	-31
Interconnection		-32	-5	2	-7	-78	-39	-31	-6	-55	-33	-38	-39	-22	-22	11	6	-55	-61	3	-27	11	7	-2	
System Total		14706	14338	14036	13770	13440	13229	12962	12977	12688	12636	12592	12475	12572	12755	12419	12356	12908	13843	14674	15165	15554	15961	16222	16423
SRev ST-Coal		105	112	120	120	115	151	152	162	210	217	204	202	211	206	196	213	218	217	201	141	153	103	111	117
SRev 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
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		792	913	1153	1429	1820	1920	2052	2004	2154	2175	2236	2364	2220	2088	2350	2383	1929	1477	861	736	508	423	312	305
SRev ST-Gas		76	74	74	75	75	75	75	74	74	74	74	74	74	74	74	74	80	47	43	49	43	40	40	41
SRev Co-Gen		9	11	13	12	10	11	13	11	11	11	12	12	13	12	13	10	12	12	14	14	15	14	13	13
Syncon		472	699	699	699	699	699	548	699	699	699	699	699	699	699	548	699	699	699	699	699	699	699	699	699
Hydro		277	230	273	274	291	272	374	220	89	93	94	91	105	213	115	132	89	148	134	427	415	509	527	527
S.Reserve Total		1731	2039	2332	2609	3010	3128	3214	3170	3237	3269	3319	3442	3522	3141	3447	3511	3021	2633	1956	1808	1460	1328	1179	1160