

Daily System Generation Summary on Thursday

Thursday, June 30, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	2,304 MW
Distillate	0 MW
Total TNB	6,049 MW
Total IPP	14,463 MW
Total Co-Gen	24 MW
Total System	21,100 MW

Generation Mix

Type	MWh	Percentage
Gas	67,904	19.00 %
Hydro	22,045	6.17 %
Total TNB	89,949	25.17 %
ST-Coal	172,200	48.19 %
Gas	95,286	26.67 %
Total IPP	267,486	74.86 %
Co-Gen	397	0.11 %
Total Co-Gen	397	0.11 %
Total Generation	357,832	100.14 %
PLTG	566	0.16 %
HVDC	-57	-0.02 %
Interconnection	509	0.14 %
Net Energy	357,323	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:	16:00:00 Hour
Total Set On Bus	17,993 MW
TNB Generation	4,722 MW
IPP Generation	12,022 MW
Spinning Reserve	1,232 MW
Maximum Demand	16,774 MW
Net Energy	357,323 MWH
Load Factor	88.76 %

Fuel Cost

Total Cost:	46,456,697.50 RM
Cost per Unit	13.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	710
Hydro	367
Syncon	128
Thermal	28
Total	1,233

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	54
PAKA	142
PGGS	3
PGPS	51
TJGS	219
Total TNB	515
CBPS	55
KLPP	99
MPSS	59
NPRI	162
PGLA	108
PLPS	77
SGRI	145
Total IPP	705
Total Gas	1,220

Total Gas Required 1,220

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	14818	14025	13538	13178	12845	12779	12757	12458	12829	14660	15627	16184	16028	15837	16471	16772	16774	16268	15249	14917	15677	15990	15767	15420

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
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	38	30	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	79	79	79	79	79	79	79	79
TMGR	HY02	39	30	34	34	36	33	34	38	35	35	37	37	36	36	33	35	38	38	41	83	83	82	83	82
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	81	81	82	81	81
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	84	84	83	83	83
UJLI	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
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		675	412	392	375	314	214	238	225	218	220	183	181	190	179	177	181	195	390	799	1195	1536	1568	1768	
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	
PCUF	CUFK	17	17	16	16	17	17	15	16	17	17	17	16	16	17	18	16	18	18	17	15	16	17	17	16
Total Co-Gen		17	17	16	16	17	17	15	16	17	17	17	16	17	18	16	18	18	17	15	16	17	17	16	
Total Gen		14841	14449	14126	13935	13553	13400	13211	12983	12875	12893	12848	12733	12751	12798	12506	12360	12775	13963	14840	15144	15586	15925	16202	
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		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-PLTG		23	47	101	59	15	41	33	13	30	39	69	25	-6	28	48	-5	-54	-31	-20	-37	-41	6	18	
Interconnection		23	47	101	59	15	41	33	13	30	39	69	25	-6	28	48	-5	-54	-31	-20	-37	-41	6	18	
System Total		14818	14402	14025	13876	13538	13359	13178	12970	12845	12854	12779	12708	12757	12770	12458	12365	12829	13994	14660	15181	15627	15919	16184	
SRev ST-Coal		35	26	25	31	34	24	25	30	26	16	26	25	15	30	26	29	16	15	-8	-9	6	-1	15	
SRev OCCT-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		175	313	407	366	587	650	859	1072	1174	1170	1169	1283	1283	1214	1507	1754	1615	821	655	690	783	651	555	
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		7	7	8	8	7	7	9	8	7	7	7	7	8	7	8	8	7	6	8	6	6	7	9	
Syncon		386	512	613	547	799	799	799	799	799	950	950	950	950	950	950	950	950	824	471	453	0	0	0	
Hydro		406	393	312	395	204	256	232	95	102	99	136	138	129	140	142	138	124	180	224	129	241	374	299	
S.Reserve Total		1009	1251	1365	1347	1631	1736	1924	2004	2108	2242	2288	2403	2385	2341	2633	2879	2712	1846	1350	1269	1036	1033	881	