

Daily System Generation Summary on Tuesday

Tuesday, June 28, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	2,126 MW
Distillate	0 MW
Total TNB	5,873 MW
Total IPP	14,187 MW
Total Co-Gen	27 MW
Total System	20,087 MW

Generation Mix

Type	MWh	Percentage
Gas	74,296	21.11 %
Hydro	9,244	2.63 %
Total TNB	83,540	23.74 %
ST-Coal	172,379	48.98 %
ST-Gas	214	0.06 %
ST-Oil	6,534	1.86 %
Gas	88,363	25.11 %
Total IPP	267,490	76.00 %
Co-Gen	384	0.11 %
Total Co-Gen	384	0.11 %
Total Generation	351,414	99.85 %
PLTG	-499	-0.14 %
HVDC	-34	-0.01 %
Interconnection	-533	-0.15 %
Net Energy	351,947	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	17,872 MW
TNB Generation	4,413 MW
IPP Generation	12,111 MW
Spinning Reserve	1,333 MW
Maximum Demand	16,563 MW
Net Energy	351,947 MWH
Load Factor	88.54 %

Fuel Cost

Total Cost:	49,165,662.65 RM
Cost per Unit	14.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	356
Hydro	352
Syncon	722
Thermal	108
Total	1,538

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	0

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	55
PAKA	199
PGPS	44
SRDG	10
TJGS	215
Total TNB	572
CBPS	47
KLPP	95
NPRI	151
PGLA	105
PLPS	91
PTEK	7
SGRI	163
PKLG	2
Total IPP	661
Total Gas	1,233
Total Gas Required	1,298

Alternate Fuel Usage

Station	(mmscfd)
PKLG	65
Total	65

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	14666	13831	13268	12886	12769	12609	12583	12267	12851	14555	15388	15991	15836	15672	16251	16476	16563	15916	15010	14762	15389	15770	15575	15180

Daily MW Generation on Tuesday

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	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	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	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	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	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	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	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	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	39	33	-1	-1	-1	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	32	34	34	38	33
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	77	77	76	78	78	-1	0	0
TMGR	HY04	35	34	34	33	35	32	35	34	34	33	35	34	35	34	34	37	35	36	41	33	35	85	85	81	35
UJLI	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	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	5
Total Hydro		498	232	214	211	216	213	239	215	214	214	215	220	216	215	215	213	217	260	216	257	272	553	610	714	
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	CUFK	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PCUF	CUFK	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Total Co-Gen		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Total Gen		14644	14016	13767	13494	13249	13084	12870	12731	12745	12683	12618	12470	12509	12544	12251	12131	12862	13782	14529	15017	15317	15698	15900	16024	
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	0
TIE-HVDC		31	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTC		-53	-63	-64	14	-19	-61	-16	-25	-24	-6	9	-47	-74	35	-16	-34	11	-43	-26	-45	-71	-37	-91	-70	-24
Interconnection		-22	-162	-64	14	-19	-61	-16	-25	-24	-6	9	-47	-74	35	-16	-34	11	-43	-26	-45	-71	-37	-91	-70	-24
System Total		14666	14178	13831	13480	13268	13145	12886	12756	12769	12689	12609	12517	12583	12509	12267	12165	12851	13825	14555	15062	15388	15735	15991	16094	
SRev ST-Coal		58	69	36	72	110	107	89	84	103	101	87	92	92	100	100	112	108	109	91	96	90	92	90	90	68
SRev ST-Oil		0	0	0	-27	42	18	0	-1	85	81	81	82	77	75	75	75	74	74	74	74	42	16	3	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	0
SRev CCGT-Gas		415	627	428	662	789	1342	1620	1739	1587	1616	1692	1839	1742	1639	1932	2078	1369	1072	575	469	189	272	236	207	255
SRev ST-Gas		4	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		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Syncon		574	826	675	675	675	675	650	801	801	801	801	889	889	889	889	889	889	889	889	889	889	889	889	889	889
Hydro		333	71	390	393	388	391	515	388	389	389	388	382	386	387	387	389	385	342	386	345	330	486	580	325	337
S.Reserve Total		1396	1605	1543	1787	2016	2545	2886	3023	2977	3000	3061	3296	3198	3102	3395	3555	2838	2498	2027	1885	1584	1575	1453	1307	