

Daily System Generation Summary on Saturday

Saturday, November 10, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,972 MW
Hydro	2,442 MW
Distillate	0 MW
Total TNB	4,414 MW
Total IPP	16,017 MW
Total Co-Gen	63 MW
Total System	21,066 MW

Generation Mix

Type	MWh	Percentage
Gas	21,612	6.33 %
Hydro	10,862	3.18 %
Total TNB	32,474	9.51 %
ST-Coal	208,615	61.06 %
Gas	99,250	29.05 %
Total IPP	307,865	90.11 %
Co-Gen	1,492	0.44 %
Total Co-Gen	1,492	0.44 %
Total Generation	341,831	100.05 %
PLTG	-542	-0.16 %
HVDC	726	0.21 %
Interconnection	184	0.05 %
Net Energy	341,647	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,318 MW
TNB Generation	1,988 MW
IPP Generation	13,901 MW
Spinning Reserve	1,367 MW
Maximum Demand	15,984 MW
Net Energy	341,647 MWH
Load Factor	89.06 %

Fuel Cost

Total Cost:	65,441,977.50 RM
Cost per Unit	19.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	283
Hydro	293
Syncon	1,018
Thermal	228
Total	1,822

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	108
Total TNB	155
KLPP	100
NPRI	155
PGLA	112
PLPS	94
PTEK	2
SGB3	78
SGRI	3
YPKA	69
Total IPP	612
Total Gas	767
Total Gas Required	767

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	14435	13878	13335	13021	12757	12378	12429	12385	12232	13670	14409	14997	14976	14789	15170	15292	15329	15160	14614	15315	15738	15541	15210	14923

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

[illegible]

Daily MW Generation on Saturday

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																								
TIE-PLTG		-14	-75	-55	-63	-38	-22	-38	-21	-45	-54	0	-30	23	-6	-57	-54	-62	-47	-6	-57	-50	-62	-25	29	0	-10	5	27	-46	-3	14	42	6	4	-24	-42	12	-18	-49	-47	-73	47	-63	-32	5	11	-9	-16
Interconnection		18	-45	-24	-33	-8	8	-8	8	-15	-24	30	1	54	24	-27	-24	-32	-16	25	-26	-19	-32	6	59	29	20	35	57	-16	28	44	73	37	33	6	-11	43	12	-19	-17	-43	78	-32	-1	36	41	21	14
System Total		14435	14181	13878	13622	13335	13147	13021	12809	12757	12592	12378	12571	12429	12570	12385	12203	12232	13197	13670	13994	14409	14768	14997	15023	14976	14826	14789	15067	15170	15263	15292	15384	15329	15360	15160	14987	14614	14801	15315	15984	15738	15711	15541	15416	15210	15085	14923	14737
SRev ST-Coal		139	136	164	300	372	382	363	372	366	368	374	375	361	365	375	369	377	372	279	196	383	294	243	236	230	234	234	228	214	236	238	243	228	243	241	246	235	219	173	166	168	170	161	179	171	169	166	169
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	0	0	0	0	0	0	0	0	0	0	0	0	0	3	38	44	0	0	0	0	0		
SRev CCGT-Gas		705	1034	512	513	326	369	540	702	817	962	1126	951	1040	959	1182	1352	1341	482	448	508	290	239	394	293	277	273	295	230	226	311	192	172	189	158	229	224	615	441	273	113	228	236	220	217	355	350	537	415
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev 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
SRev Co-Gen		2	1	1	1	1	2	1	0	0	-3	-1	2	1	0	-1	-4	-4	-2	0	-3	0	-1	-1	-1	1	4	5	6	4	6	4	5	3	3	1	4	3	4	3	1	3	1	-1	1	-2	-4	-3	-4
Syncon		1200	1200	1200	1099	948	1049	1049	1200	1200	1200	1049	1221	1221	1200	1200	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	741	928	928	928	928	928	928	1014	1115	1200	928	928	928	777	1014	1014	1014	1014	1014	1099
Hydro		153	145	142	175	260	281	278	149	108	147	279	137	148	140	147	146	148	165	315	309	265	248	229	266	257	294	299	272	260	420	298	246	299	282	400	231	269	204	406	156	274	317	322	253	295	236	233	183
S.Reserve Total		2199	2516	2019	2088	1907	2083	2231	2423	2491	2674	2827	2686	2771	2664	2903	3063	3062	2116	2141	2109	2037	1879	1989	1920	1891	1931	1960	1835	1803	1714	1660	1594	1647	1614	1799	1719	2238	2068	1783	1367	1639	1545	1716	1664	1833	1765	1947	1862