

Daily System Generation Summary on Thursday

Thursday, January 11, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	15,055 MW
Total Co-Gen	62 MW
Total System	20,979 MW

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	16,932 MW
TNB Generation	2,802 MW
IPP Generation	12,419 MW
Spinning Reserve	1,653 MW
Maximum Demand	15,329 MW
Net Energy	328,163 MWH
Load Factor	89.20 %

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	29
TJGS	206
Total TNB	288
CBPS	52
KLPP	91
NPRI	149
PGLA	106
PLPS	84
SGRI	44
YPKA	75
Total IPP	601
Total Gas	890
Total Gas Required	890

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	39,899	12.16 %
Hydro	11,495	3.50 %
Total TNB	51,394	15.66 %
ST-Coal	183,930	56.05 %
Gas	90,641	27.62 %
Total IPP	274,571	83.67 %
Co-Gen	1,311	0.40 %
Total Co-Gen	1,311	0.40 %
Total Generation	327,276	99.73 %
PLTG	-188	-0.06 %
HVDC	-699	-0.21 %
Interconnection	-887	-0.27 %
Net Energy	328,163	100.00 %

Fuel Cost

Total Cost:	58,982,582.50 RM
Cost per Unit	18.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	430
Hydro	416
Syncon	889
Thermal	155
Total	1,890

Time	Weather	Temperature
Afternoon	Rainy	33
Morning	Cloudy	27

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	13108	12478	12088	11735	11529	11553	11995	12121	12426	14045	14803	15267	15100	14614	15039	15256	15086	14788	14130	14259	14779	14520	13825	13166

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Jabatan Sistem Operasi

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																									
SRev ST-Coal		271	281	253	268	259	288	272	272	280	271	280	270	273	273	263	290	289	260	270	264	251	238	242	33	88	131	122	129	122	135	134	130	126	117	103	111	143	198	226	212	173	208	61	61	198	234	236	244	
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	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		879	1134	1225	1451	1443	1714	1835	1990	2025	2004	2026	1928	1596	1292	1443	1282	1150	548	705	539	372	284	307	392	631	860	855	741	558	423	433	355	318	384	310	404	555	608	400	312	411	372	403	475	510	756	876	1229	
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	0	0
SRev Co-Gen		6	5	4	3	5	4	6	4	2	1	4	4	6	4	3	2	1	0	3	4	1	2	2	4	4	5	4	5	5	2	5	4	26	27	27	26	21	14	11	7	6	7	5	5	6	8	4	4	
Syncon		1264	1264	1264	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1198	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	
Hydro		130	174	164	131	126	135	131	88	133	130	133	91	247	130	134	135	145	90	232	236	368	201	374	515	511	539	724	617	593	552	524	531	528	327	363	438	281	201	170	308	448	450	386	383	384	150	145	147	
S.Reserve Total		2550	2858	2910	3201	3182	3490	3593	3703	3789	3755	3792	3642	3320	3048	3192	3058	2934	2247	2559	2392	2190	1887	1785	1653	1943	2244	2414	2201	1987	1821	1885	1729	1787	1564	1699	1875	2198	2370	2156	1699	1747	1746	1751	1971	2145	2346	2489	2822	