

Daily System Generation Summary on Friday

Friday, March 02, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,280 MW
Distillate	0 MW
Total TNB	<u>5,082 MW</u>
Total IPP	<u>15,683 MW</u>
Total Co-Gen	<u>63 MW</u>
Total System	<u>21,400 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	42,191	11.82 %
Hydro	16,567	4.64 %
Total TNB	58,758	16.46 %
ST-Coal	193,542	54.22 %
Gas	104,202	29.19 %
Total IPP	297,744	83.41 %
Co-Gen	1,433	0.40 %
Total Co-Gen	1,433	0.40 %
Total Generation	357,935	100.28 %
PLTG	270	0.08 %
HVDC	720	0.20 %
Interconnection	990	0.28 %
Net Energy	356,945	100.00 %

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:	16:00:00 Hour
Total Set On Bus	18,133 MW
TNB Generation	3,340 MW
IPP Generation	13,529 MW
Spinning Reserve	1,208 MW
Maximum Demand	16,881 MW
Net Energy	356,945 MWH
Load Factor	88.10 %

Fuel Cost

Total Cost:	63,374,270.51 RM
Cost per Unit	18.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	483
Hydro	364
Syncon	611
Thermal	171
Total	1,629

Time	Weather	Temperature
Afternoon	Sunny	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	31
TJGS	220
Total TNB	303
CBPS	55
KLPP	109
NPRI	159
PGLA	109
SGRI	160
SKSP	48
YPKA	78
Total IPP	718
Total Gas	1,021
Total Gas Required	1,021

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	14535	13873	13472	13101	12713	12523	12672	12724	12963	14674	15278	16196	16271	15730	16007	16624	16881	16482	15470	15083	16239	16110	15610	15297

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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																										
Total Co-Gen		50	61	62	63	63	62	61	63	65	65	64	64	63	66	61	61	59	57	62	58	57	58	56	56	56	56	56	57	60	59	59	59	59	59	59	57	58	58	58											
Total Gen		14583	14215	13912	13703	13504	13249	13100	12859	12732	12628	12530	12632	12702	12855	12769	12732	12988	13929	14678	15195	15363	15887	16260	16325	16290	15939	15767	15936	16060	16501	16695	16860	16925	16859	16526	16074	15515	15114	15117	15854	16242	16271	16148	15932	15649	15547	15320	15159		
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	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	30	30	30	30	31	31	30	30	29	29	29	29	31	29	29	31	30	29	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	31	29	30	30	30	29	30	29	30	29	30			
TIE-PLTG		18	-26	9	10	3	21	-32	1	-12	10	-22	4	0	24	16	58	-7	-1	-25	-12	55	47	34	-32	-11	16	7	6	24	47	41	50	15	15	14	90	15	-14	4	-22	-27	24	9	52	9	3	-6	37		
Interconnection		48	3	39	40	32	51	-1	31	19	40	7	34	30	55	45	88	25	29	4	18	85	78	64	-2	19	47	37	36	53	77	71	79	44	46	44	120	45	16	34	8	3	55	38	82	39	33	23	67		
System Total		14535	14212	13873	13663	13472	13198	13101	12828	12713	12588	12523	12598	12672	12800	12724	12644	12963	13900	14674	15177	15278	15809	16196	16327	16271	15892	15730	15900	16007	16424	16624	16781	16881	16813	16482	15954	15470	15098	15083	15846	16239	16216	16110	15850	15610	15514	15297	15092		
SRev ST-Coal		294	382	370	64	238	210	226	280	365	358	102	98	107	106	121	107	112	382	360	353	155	163	150	149	152	146	154	157	147	134	163	157	147	154	144	145	208	204	132	136	146	144	160	137	147	154	137	117		
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	0
SRev CCGT-Gas		879	1165	1307	1096	1031	1248	1342	1530	1575	1687	1735	1640	1532	1413	1459	1510	1358	1313	1056	872	889	368	272	416	443	607	624	373	507	433	409	257	196	259	519	710	858	1176	1235	668	471	445	533	335	512	565	740	641		
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	0
SRev Co-Gen		13	2	1	0	0	1	2	0	-2	-2	-1	-1	0	-4	-1	-1	0	-3	2	2	4	6	1	5	6	5	7	7	7	8	6	7	7	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		892	892	741	741	993	1079	1165	1165	1165	1014	1014	1165	1014	1165	1165	993	993	842	993	993	993	554	428	428	428	892	842	741	428	277	277	277	277	277	579	953	1079	1079	1079	676	676	827	827	827	827	676	827			
Hydro		379	375	505	493	331	203	155	156	155	154	272	269	146	268	139	139	310	284	352	133	178	165	480	384	389	482	164	293	321	379	583	575	581	577	510	219	111	104	114	140	342	341	209	214	208	207	534	204		
S.Reserve Total		2457	2816	2924	2394	2593	2741	2890	3131	3258	3362	3122	3020	2950	2797	2883	2920	2773	2969	2611	2353	2219	1695	1457	1382	1418	1668	1841	1672	1723	1382	1438	1273	1208	1274	1457	1659	2130	2563	2560	2023	1635	1606	1729	1513	1694	1753	1887	1789		