

Daily System Generation Summary on Friday

Friday, February 23, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,080 MW
Distillate	0 MW
Total TNB	4,871 MW
Total IPP	15,641 MW
Total Co-Gen	57 MW
Total System	21,141 MW

Generation Mix

Type	MWh	Percentage
Gas	44,971	12.94 %
Hydro	7,700	2.22 %
Total TNB	52,671	15.16 %
ST-Coal	192,366	55.37 %
Gas	99,853	28.74 %
Total IPP	292,219	84.11 %
Co-Gen	1,394	0.40 %
Total Co-Gen	1,394	0.40 %
Total Generation	346,284	99.67 %
PLTG	-444	-0.13 %
HVDC	-695	-0.20 %
Interconnection	-1,139	-0.33 %
Net Energy	347,423	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:	15:00:00 Hour
Total Set On Bus	17,445 MW
TNB Generation	2,731 MW
IPP Generation	13,424 MW
Spinning Reserve	1,235 MW
Maximum Demand	16,301 MW
Net Energy	347,423 MWH
Load Factor	88.80 %

Fuel Cost

Total Cost:	63,458,198.70 RM
Cost per Unit	18.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	453
Hydro	215
Syncon	822
Thermal	167
Total	1,657

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

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	14369	13729	13244	12848	12568	12311	12544	12614	12786	14266	15178	15800	15810	15483	15695	16301	16235	15938	14787	14810	15499	15329	14713	14224

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	19	Total	0
GLGR	51		
PGPS	37		
TJGS	219		
Total TNB	326		
CBPS	55		
KLPP	95		
MPSS	44		
NPRI	80		
PDPS	5		
PGLA	107		
PLPS	90		
SGRI	75		
SKSP	53		
YPKA	74		
Total IPP	677		
Total Gas	1,002		
Total Gas Required	1,002		

Prepared By: Kannathason a/l Karuppiyah

Checked By: -Select Name-

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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		56	59	58	59	60	60	61	60	62	63	62	64	64	63	65	63	63	65	64	58	57	56	61	58	57	55	53	53	55	53	55	53	54	53	55	54	54	55	54	57	56	57	57	57	58	58	58	57	
Total Gen		14398	14003	13678	13473	13284	12984	12785	12675	12521	12346	12285	12291	12497	12702	12596	12554	12769	13694	14221	14765	15070	15413	15782	15985	15792	15524	15457	15459	15624	15890	16210	16163	16180	16081	15885	15273	14771	14574	14724	15300	15465	15393	15285	15025	14699	14489	14194	14028	
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	0
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28	-28	-29	-29	-28	-28		
TIE-PLTG		58	-19	-25	-18	-11	-30	-34	-3	-19	-33	4	-11	-18	-2	11	-2	12	-69	-16	-35	-79	-46	11	15	11	-44	2	-10	-42	-43	-62	-69	-26	-36	-24	-2	13	-43	-56	-24	-6	-20	-16	-19	15	-11	-1	-19	
Interconnection		29	-48	-51	-47	-40	-60	-63	-32	-47	-61	-26	-40	-47	-31	-18	-31	-17	-98	-45	-65	-108	-76	-18	-14	-18	-73	-26	-38	-71	-73	-91	-98	-55	-66	-53	-31	-16	-73	-86	-54	-34	-48	-44	-48	-14	-39	-30	-47	
System Total		14369	14053	13729	13520	13244	13044	12848	12707	12568	12407	12311	12331	12544	12733	12614	12585	12786	13792	14266	14830	15178	15489	15800	15999	15810	15597	15483	15497	15695	15963	16301	16261	16235	16147	15938	15304	14787	14647	14810	15444	15499	15441	15329	15073	14713	14528	14224	14075	
SRev ST-Coal		140	266	307	335	313	355	343	351	337	231	173	360	356	353	355	286	367	370	346	395	219	157	72	144	147	161	145	123	52	56	48	57	141	133	141	122	216	318	361	236	214	218	207	218	215	189	214	211	
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		928	687	657	732	928	1039	1208	1311	1354	1475	1588	1540	1346	1135	1266	1452	1197	580	793	540	606	366	393	230	432	454	462	569	488	282	235	187	230	304	491	677	931	1062	890	460	401	385	501	680	993	977	903	876	
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		1	-2	-1	-2	-3	-3	-4	-3	-5	-6	-5	-7	-7	-6	-8	-6	-6	-8	-7	-1	0	1	-4	-1	0	2	4	4	2	4	2	4	3	4	2	3	3	2	3	0	1	0	0	0	-1	-1	-1	0	
Syncon		1167	1016	1016	1016	1016	829	829	829	829	829	829	829	829	829	829	829	829	829	1016	1016	915	915	915	764	865	865	865	1016	1016	764	764	613	613	613	613	865	865	1016	1016	915	915	915	915	1016	1016	1016	1016	1016	
Hydro		157	136	135	135	133	132	134	134	134	134	134	135	132	134	262	224	134	128	93	90	177	135	304	233	220	225	94	94	264	299	337	340	347	379	381	223	220	94	67	92	97	95	98	98	95	96	142	142	
S.Reserve Total		2373	2103	2114	2216	2387	2352	2510	2622	2649	2663	2719	2857	2656	2445	2553	2785	2708	2086	2246	1942	1917	1574	1529	1471	1664	1707	1721	1806	1571	1405	1235	1282	1335	1434	1630	1900	2235	2492	2337	1703	1628	1613	1721	2012	2318	2277	2274	2245	