

Daily System Generation Summary on Saturday

Saturday, September 14, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,328 MW
Distillate	0 MW
Total TNB	2,328 MW
Total IPP	14,839 MW
Total Co-Gen	0 MW
Total System	19,552 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,624	1.90 %
Gas	41,104	11.79 %
Total TNB	47,728	13.69 %
ST-Coal	175,056	50.23 %
LSS	1,567	0.45 %
Gas	122,347	35.11 %
Total IPP	298,970	85.78 %
Co-Gen	1,209	0.35 %
Total Co-Gen	1,209	0.35 %
Total Generation	347,907	99.83 %
PLTG	94	0.03 %
HVDC	-700	-0.20 %
Interconnection	-606	-0.17 %
Net Energy	348,513	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,392 MW
TNB Generation	2,549 MW
IPP Generation	13,149 MW
Spinning Reserve	1,640 MW
Maximum Demand	15,735 MW
Net Energy	348,513 MWH
Load Factor	92.29 %

Fuel Cost

Total Cost:	66,753,501.76 RM
Cost per Unit	19.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	484
Hydro	363
Syncon	1,042
Thermal	131
Total	2,020

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	22
TJGS	212
Total TNB	286
CBPS	53
KLPP	113
NPRI	77
PGLA	111
PLPS	104
SGB3	89
SGRI	129
SKSP	51
YPKA	56
Total IPP	783
Total Gas	1,068

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,068

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	15580	14854	14327	13760	13399	13119	13132	12873	12534	13825	14693	15175	15006	14630	15032	15055	15077	14854	14589	14925	15702	15639	15254	15035

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

[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																									
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	11	23	19	19	39	34	24	24	21	12	9	4	4	4	5	10	17	5	3	1	0	0	0	0	0	0	0	0	0				
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	5	29	49	86	134	161	205	247	237	257	269	237	208	253	238	181	165	181	129	107	87	42	23	7	5	0	0	0	0	0	0	0	0			
PCUF	CUFG	27	27	28	29	28	27	26	28	29	28	29	28	27	28	28	28	28	28	25	24	24	23	23	22	20	22	21	21	20	19	21	27	27	28	27	26	26	25	27	26	27	26	25	26	25				
PCUF	CUFK	23	24	25	26	25	25	23	22	23	25	23	23	23	24	24	23	24	23	23	22	22	21	20	20	19	20	19	18	16	19	24	25	26	27	25	27	31	27	29	30	30	31	30	37	38	27	30		
Total Co-Gen		50	51	53	55	53	52	49	50	52	53	52	51	50	51	52	52	51	52	51	51	47	46	45	43	43	41	40	41	39	37	39	43	46	53	54	53	54	57	53	54	57	56	58	56	62	63	53	55	
Total Gen		15552	15136	14883	14539	14276	13996	13750	13558	13380	13184	13105	13112	13068	12975	12864	12560	12533	13284	13731	14272	14603	14987	15184	15241	15003	14827	14632	14935	15021	15151	15018	15090	15062	15115	14850	14689	14600	14575	14881	15752	15687	15691	15589	15568	15238	15263	15017	14859	
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			
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29		
TIE-PLTG		1	49	58	-24	-21	1	19	36	9	7	15	-3	-35	1	20	10	28	-39	-65	-20	-61	-14	38	-1	26	-35	31	-13	19	55	-9	1	15	14	25	-2	40	-4	-16	46	14	41	-20	-4	13	-22	12	-48	
Interconnection		-28	20	29	-54	-51	-28	-10	7	-19	-22	-14	-32	-64	-28	-9	-19	-1	-68	-94	-49	-90	-43	9	-31	-3	-64	2	-43	-11	26	-37	-29	-15	-15	-4	-32	11	-32	-44	17	-15	11	-50	-33	-16	-52	-18	-77	
System Total		15580	15116	14854	14593	14327	14024	13760	13551	13399	13206	13119	13144	13132	13003	12873	12579	12534	13352	13825	14321	14693	15030	15175	15272	15006	14891	14630	14978	15032	15125	15055	15119	15077	15130	14854	14721	14589	14607	14925	15735	15702	15680	15639	15601	15254	15315	15035	14936	
SRev ST-Coal		138	201	84	114	268	331	420	431	423	431	433	430	431	379	337	307	340	278	323	209	111	100	150	85	143	93	116	109	121	108	115	107	115	103	119	106	92	160	177	178	113	130	122	129	122	212	108	100	
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	
SRev CCGT-Gas		471	557	401	639	564	510	367	401	466	443	519	543	490	490	479	794	951	692	479	503	319	487	369	365	561	815	934	608	584	456	492	416	474	432	599	773	811	842	628	263	461	276	356	276	458	249	344	431	
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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		15	14	12	10	12	13	16	15	13	12	13	14	15	14	13	13	14	13	14	14	18	19	20	22	22	24	25	24	26	28	26	22	19	12	11	12	11	8	12	11	8	9	7	9	3	2	12	10	
Syncon		1052	1203	1203	1203	1052	1102	1102	951	1203	1203	1203	1052	1203	890	1052	1203	1203	1203	1052	1203	1203	951	1102	1102	1203	1052	1203	1203	1052	1203	1203	1052	1102	1203	1052	1203	1203	1203	651	489	764	613	890	1102	928	651	802		
Hydro		395	276	276	276	404	287	240	419	278	276	277	404	277	397	406	279	277	277	407	277	278	415	279	279	272	405	274	276	396	239	274	274	406	312	272	402	272	272	343	537	589	477	661	476	325	274	466	396	
S.Reserve Total		2071	2251	1976	2242	2300	2243	2145	2217	2383	2365	2445	2443	2416	2170	2287	2596	2785	2463	2275	2206	1929	1972	1920	1853	2201	2389	2552	2220	2179	2034	2110	2022	2066	1961	2204	2345	2389	2485	2363	1640	1660	1656	1759	1780	2010	1665	1581	1739	