

Daily System Generation Summary on Saturday

Saturday, March 14, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,361 MW
Distillate	0 MW
Total TNB	2,361 MW
Total IPP	17,880 MW
Total Co-Gen	0 MW
Total System	22,909 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,605	2.33 %
Gas	33,184	9.00 %
Total TNB	41,789	11.34 %
ST-Coal	255,451	69.30 %
LSS	2,816	0.76 %
Gas	68,640	18.62 %
Total IPP	326,907	88.68 %
Co-Gen	649	0.18 %
Total Co-Gen	649	0.18 %
Total Generation	369,345	100.19 %
PLTG	-20	-0.01 %
HVDC	736	0.20 %
Interconnection	716	0.19 %
Net Energy	368,629	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	18,442 MW
TNB Generation	2,542 MW
IPP Generation	14,399 MW
Spinning Reserve	1,423 MW
Maximum Demand	16,986 MW
Net Energy	368,629 MWH
Load Factor	90.42 %

Fuel Cost

Total Cost:	58,294,929.32 RM
Cost per Unit	15.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	334
Hydro	329
Syncon	866
Thermal	277
Total	1,806

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	31
SRDG	2
TJGS	200
Total TNB	233
CBPS	53
KLPP	4
NPRI	77
PGLA	105
PLPS	67
SGRI	80
Total IPP	386
Total Gas	619
Total Gas Required	619

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	16217	15528	14973	14421	13974	13731	13554	13333	12994	14170	14990	15736	15708	15483	16004	16241	16403	16274	15795	15728	16936	16986	16698	16390

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 02, 2020 10:52:44 AM
(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		
PCUF	CUFK	7	4	4	5	5	6	4	4	6	4	5	5	6	3	4	6	6	4	6	6	3	5	4	3	4	4	5	4	4	5	5	7	5	3	4	6	4	6	4	4	24	39	38	39	39	40	39	37	
Total Co-Gen		25	21	19	22	18	19	16	16	21	16	19	17	19	14	17	19	19	17	19	20	16	17	16	16	17	16	18	16	17	17	18	20	18	15	17	16	13	16	12	13	45	79	78	83	80	81	79	77	
Total Gen		16217	15872	15581	15230	15004	14689	14456	14260	13967	13886	13745	13659	13600	13592	13392	13145	12992	13693	14188	14645	15047	15541	15779	15906	15754	15592	15499	15735	16032	16241	16260	16300	16469	16459	16351	16084	15823	15599	15784	16475	16951	17023	17019	16729	16700	16654	16480	16324	
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		30	31	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	30	30	30	30	30	30	30	
TIE-PLTG		-26	-20	26	-25	4	-71	8	21	-33	26	-12	36	20	42	32	-6	-28	-62	-9	-76	29	-18	15	-20	19	-2	-11	-19	0	37	-9	29	39	45	50	47	2	-28	29	27	-12	21	7	-153	-24	-38	64	-15	
Interconnection		4	11	57	6	35	-40	39	52	-3	56	18	66	50	73	63	24	2	-31	22	-45	61	13	47	11	50	30	20	13	32	69	23	61	70	77	81	78	32	2	60	57	19	52	37	-123	6	-8	94	15	
System Total		16217	15865	15528	15228	14973	14733	14421	14212	13974	13834	13731	13597	13554	13523	13333	13125	12994	13728	14170	14694	14990	15532	15736	15899	15708	15566	15483	15726	16004	16176	16241	16243	16403	16386	16274	16010	15795	15601	15728	16422	16936	16975	16986	16856	16698	16666	16390	16313	
SRev ST-Coal		159	331	352	232	248	554	734	729	734	727	722	730	715	726	736	732	728	721	715	656	565	354	287	271	249	249	258	255	260	182	165	159	161	156	181	185	182	141	167	175	161	171	154	107	170	190	197	176	
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	37	1	37	0	0	0	0	0	
SRev CCGT-Gas		764	787	728	803	668	334	275	358	487	555	714	785	869	669	852	1117	1302	688	484	248	360	264	326	302	389	556	618	478	179	358	346	414	292	250	236	413	683	853	652	215	234	212	264	86	198	134	176	223	
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		52	56	58	55	59	58	61	61	56	61	58	60	58	63	60	58	58	60	58	57	61	60	61	61	60	61	59	61	60	60	59	57	59	62	60	61	64	61	65	64	32	-2	-1	-6	-3	-4	-2	0	0
Syncon		1015	1015	1015	864	864	1015	1015	864	1015	1015	1015	1141	1141	1141	1141	1141	1141	1141	1141	1141	990	990	1141	1040	889	1141	1141	1141	1141	853	853	889	889	889	990	1141	1141	990	867	464	464	464	464	126	428	615	615		
Hydro		151	160	189	301	281	150	155	280	151	151	153	158	160	150	151	152	152	146	152	150	279	276	147	196	324	197	230	237	187	286	299	289	357	319	316	287	161	214	342	461	478	541	545	589	839	628	414	442	
S.Reserve Total		2141	2349	2342	2255	2120	2111	2240	2292	2443	2509	2662	2874	2943	2749	2940	3200	3381	2756	2550	2252	2255	1944	1962	1870	1911	2204	2306	2172	1827	1739	1722	1772	1758	1676	1682	1936	2231	2410	2216	1782	1369	1423	1427	1277	1330	1376	1400	1456	