

Daily System Generation Summary on Saturday

Saturday, July 18, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,326 MW
Distillate	0 MW
Total TNB	2,326 MW
Total IPP	16,475 MW
Total Co-Gen	0 MW
Total System	20,921 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,389	4.58 %
Gas	24,632	7.33 %
Total TNB	40,021	11.91 %
ST-Coal	213,477	63.56 %
LSS	2,058	0.61 %
Gas	80,493	23.96 %
Total IPP	296,028	88.13 %
Co-Gen	467	0.14 %
Total Co-Gen	467	0.14 %
Total Generation	336,516	100.19 %
PLTG	458	0.14 %
HVDC	166	0.05 %
Interconnection	624	0.19 %
Net Energy	335,892	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:	14:30:00 Hour
Total Set On Bus	16,271 MW
TNB Generation	2,070 MW
IPP Generation	12,954 MW
Spinning Reserve	1,240 MW
Maximum Demand	15,039 MW
Net Energy	335,892 MWH
Load Factor	93.06 %

Fuel Cost

Total Cost:	51,654,567.15 RM
Cost per Unit	15.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	361
Hydro	543
Syncon	566
Thermal	209
Total	1,679

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	114
Total TNB	163
CBPS	51
KLPP	7
NPRI	143
PGLA	106
PLPS	71
SGB3	16
SKSP	47
YPKA	25
Total IPP	465
Total Gas	629
Total Gas Required	629

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	14814	14036	13526	13105	12807	12634	12582	12473	12285	13392	14107	14714	14687	14542	14888	14955	14804	14570	14187	14385	15032	14856	14488	14132

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 04, 2020 2:26:38 PM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

2 of 3

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	CUFG	4	3	3	4	4	4	4	4	5	5	4	4	2	3	5	5	4	4	4	4	5	5	4	3	3	4	3	3	3	2	3	4	4	4	4	4	4	37	40	39	39	40	41	40	40	40					
PCUF	CUFK	3	3	4	5	3	3	2	5	4	4	2	3	3	6	4	4	4	4	4	4	4	3	5	4	3	4	2	4	4	1	4	4	2	4	4	5	4	2	27	30	31	32	33	36	35	34	35				
Total Co-Gen		7	6	7	9	7	7	6	10	9	8	6	5	6	11	9	8	8	8	8	8	9	8	9	7	6	8	5	7	7	8	7	4	7	6	5	8	8	9	8	6	64	70	70	71	73	77	75	74	75		
Total Gen		14829	14425	14120	13816	13555	13483	13111	13014	12777	12724	12670	12653	12629	12584	12478	12175	12273	12825	13362	13808	14130	14481	14727	14841	14699	14596	14513	14710	14885	15031	14988	14963	14808	14753	14540	14312	14164	14156	14408	14916	15088	15013	14914	14721	14557	14354	14198	14007			
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	31	31	30	30	29	29	29				
TIE-PLTG		26	92	95	-22	40	41	17	-20	-19	13	47	68	58	33	16	34	-1	-6	-19	36	34	17	24	-23	23	29	-18	3	8	3	44	-27	15	-64	-19	-42	-12	-49	4	71	37	41	38	66	50	34	48	53			
Interconnection		26	92	95	-22	40	41	17	-20	-19	13	47	68	58	33	16	34	-1	-6	-19	36	34	17	24	-23	23	29	-18	3	8	3	44	-27	15	-64	-19	-42	-12	-19	34	101	67	71	69	96	80	64	77	82			
System Total		14814	14344	14036	13849	13526	13453	13105	13045	12807	12722	12634	12596	12582	12562	12473	12152	12285	12842	13392	13783	14107	14475	14714	14875	14687	14578	14542	14718	14888	15039	14955	15001	14804	14828	14570	14365	14187	14186	14385	14826	15032	14953	14856	14636	14488	14301	14132	13936			
SRev ST-Coal		352	370	374	436	397	338	444	348	332	311	296	174	222	261	264	257	247	195	191	191	100	120	103	225	208	235	242	206	213	210	314	308	295	304	286	296	293	279	287	226	202	216	214	203	198	148	390	203			
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		415	541	839	717	874	811	1421	1332	1534	1452	1514	1646	1632	1642	1744	2072	1988	1588	1126	751	387	215	217	184	338	212	327	265	240	175	178	179	294	277	455	524	724	765	609	362	401	449	452	405	442	636	788	758			
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 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	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		678	865	865	1053	1053	1204	1204	1204	1305	1305	1305	1305	1305	1305	1154	1305	1305	1154	1154	639	513	426	426	275	613	613	613	426	187	187	187	187	275	401	714	865	1016	829	741	554	705	705	793	980	1167	676	676				
Hydro		369	486	488	400	408	284	288	278	231	232	230	232	229	231	231	365	295	292	423	410	546	603	569	559	697	578	569	481	526	669	690	666	826	760	715	629	478	338	404	461	517	381	381	438	288	160	341	149			
S.Reserve Total		1839	2287	2591	2631	2757	2662	3382	3187	3427	3325	3370	3382	3413	3464	3569	3873	3860	3405	2919	2531	1672	1451	1315	1394	1518	1638	1751	1565	1405	1241	1369	1340	1602	1616	1857	2163	2360	2398	2129	1790	1674	1751	1752	1839	1908	2111	2195	1786			