

Daily System Generation Summary on Monday

Monday, August 19, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,887 MW
Distillate	0 MW
Total TNB	1,887 MW
Total IPP	15,255 MW
Total Co-Gen	60 MW
Total System	20,281 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,982	2.42 %
Gas	37,803	10.20 %
Total TNB	46,785	12.62 %
ST-Coal	204,362	55.12 %
LSS	1,992	0.54 %
Gas	116,473	31.41 %
Total IPP	322,827	87.07 %
Co-Gen	526	0.14 %
Total Co-Gen	526	0.14 %
Total Generation	370,138	99.83 %
PLTG	-13	0.00 %
HVDC	-612	-0.17 %
Interconnection	-625	-0.17 %
Net Energy	370,763	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:	16:00:00 Hour
Total Set On Bus	19,360 MW
TNB Generation	2,340 MW
IPP Generation	15,525 MW
Spinning Reserve	1,474 MW
Maximum Demand	17,911 MW
Net Energy	370,763 MWH
Load Factor	86.25 %

Fuel Cost

Total Cost:	69,724,501.75 RM
Cost per Unit	18.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	476
Hydro	409
Syncon	437
Thermal	195
Total	1,517

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	212
Total TNB	266
CBPS	54
KLPP	100
NPRI	157
PGLA	109
PLPS	88
PTEK	8
SGB3	77
SGRI	82
SKSP	37
YPKA	59
Total IPP	771
Total Gas	1,037

Total Gas Required 1,037

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	14340	13668	13142	12679	12506	12300	12626	12819	13453	15413	16297	17023	16945	16638	17329	17725	17911	17623	16332	16013	17274	17213	16732	16481

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 Monday

[illegible]

Daily MW Generation on Monday

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	52	108	146	190	211	240	270	273	287	298	247	229	251	209	216	203	168	151	104	61	31	12	1	1	1	0	0	0	0	0	0		
PCUF	CUFG	23	18	17	15	16	17	19	19	17	16	20	17	17	17	16	16	16	16	16	17	17	16	17	15	16	16	17	15	15	15	16	15	16	15	16	15	16	15	17	17	17	18	19	18	17	18		
PCUF	CUFK	6	5	4	5	5	6	5	4	5	4	4	4	5	6	5	4	7	7	8	5	5	5	3	7	2	5	4	3	5	4	3	5	4	5	4	5	5	7	5	7	5	4	6	5	6	5	6	5
Total Co-Gen		29	23	21	20	21	23	24	23	22	20	24	21	22	25	25	24	24	24	25	21	21	21	20	24	18	22	19	19	20	19	19	21	21	20	19	20	21	22	21	22	22	21	23	23	25	23	23	23
Total Gen		14383	13979	13704	13383	13120	12883	12660	12632	12443	12405	12249	12383	12609	12879	12783	12764	13384	14519	15309	15737	16238	16615	16933	17023	16869	16667	16568	16898	17270	17613	17644	17734	17886	17864	17582	16941	16327	15910	16051	16805	17243	17300	17193	16994	16720	16500	16459	16049
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		31	31	30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-30	-30	-29	-29	-28	-28	-28	-29	-29	-30	-30	-29	-29		
TIE-PLTG		12	6	6	0	7	-12	10	22	-34	-8	-21	14	12	-15	-6	43	-37	-5	-64	-50	-6	-41	-25	-17	-6	-2	1	-7	-8	20	-9	-2	37	16	12	39	35	-39	67	-32	-3	49	9	3	19	-20	7	-3
Interconnection		43	37	36	-29	-22	-41	-19	-7	-63	-37	-51	-16	-17	-44	-36	14	-67	-35	-94	-79	-35	-70	-54	-45	-35	-31	-29	-36	-38	-10	-39	-31	9	-12	-18	9	6	-68	39	-61	-31	21	-20	-26	-12	-50	-22	-31
System Total		14340	13942	13668	13412	13142	12924	12679	12639	12506	12442	12300	12399	12626	12923	12819	12750	13453	14562	15413	15827	16297	16721	17023	17109	16945	16742	16638	16981	17329	17652	17725	17802	17911	17905	17623	16949	16332	15983	16013	16866	17274	17279	17213	17020	16732	16550	16481	16080
SRev ST-Coal		137	148	135	151	305	292	299	290	294	288	291	298	296	286	297	293	289	221	145	131	120	150	271	222	148	116	113	127	133	146	254	250	260	250	260	243	248	266	259	243	263	265	155	141	155	153	152	144
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	11	39	77	76	76	41	41	39	6	38	17	47	53	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		778	850	773	993	860	920	1112	1149	1331	1393	1543	1393	1188	898	1028	1503	1167	619	579	526	387	439	634	556	892	949	983	568	410	446	474	325	348	361	486	643	1006	1226	1078	621	372	312	329	377	458	569	619	710
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	
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	
SRev Co-Gen		31	37	39	40	39	37	36	37	38	40	36	39	38	35	35	36	36	36	35	39	39	39	40	36	42	38	41	41	40	41	41	39	39	40	41	40	40	39	38	39	38	38	39	37	37	35	37	37
Syncon		829	829	829	829	829	829	829	829	829	678	829	829	829	829	678	829	829	829	829	728	728	476	302	302	302	514	615	590	741	655	554	428	277	302	302	428	615	829	829	829	554	252	252	403	554	554	640	640
Hydro		136	138	142	153	130	144	143	141	142	275	131	139	118	132	235	132	90	142	140	126	247	326	310	501	400	326	341	210	381	441	504	631	487	492	423	285	144	146	146	395	598	600	473	383	315	238	230	184
S.Reserve Total		1911	2002	1918	2166	2163	2222	2419	2446	2634	2674	2830	2698	2469	2180	2273	2793	2411	1847	1627	1550	1269	1256	1617	1628	2035	2121	2144	1763	1660	1669	1740	1528	1474	1462	1685	1879	2266	2505	2351	1851	1523	1468	1397	1492	1517	1637	1678	1715