

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,096 MW
Distillate	0 MW
Total TNB	4,898 MW
Total IPP	14,382 MW
Total Co-Gen	45 MW
Total System	19,897 MW

Generation Mix

Type	MWh	Percentage
Gas	35,607	11.87 %
Hydro	10,494	3.50 %
Total TNB	46,101	15.37 %
ST-Coal	180,206	60.08 %
Gas	71,592	23.87 %
Total IPP	251,798	83.95 %
Co-Gen	1,131	0.38 %
Total Co-Gen	1,131	0.38 %
Total Generation	299,030	99.70 %
PLTG	-110	-0.04 %
HVDC	-803	-0.27 %
Interconnection	-913	-0.30 %
Net Energy	299,943	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	15,648 MW
TNB Generation	2,706 MW
IPP Generation	11,422 MW
Spinning Reserve	1,471 MW
Maximum Demand	14,182 MW
Net Energy	299,943 MWH
Load Factor	88.12 %

Fuel Cost

Total Cost:	52,957,032.37 RM
Cost per Unit	18.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	547
Hydro	267
Syncon	844
Thermal	104
Total	1,762

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Sunny	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	50
SRDG	6
TJGS	203
Total TNB	259
CBPS	55
NPRI	76
PGLA	105
PLPS	88
PTEK	11
SGRI	52
SKSP	23
YPKA	71
Total IPP	480
Total Gas	739
Total Gas Required	739

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	13359	12894	12459	12186	11872	11714	11757	11441	10844	11326	11870	12281	12282	12221	12484	12548	12517	12518	12482	13044	14182	13974	13905	13593

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 Sunday

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																										
System Total		13359	13121	12894	12666	12459	12204	12186	12067	11872	11803	11714	11737	11757	11717	11441	11030	10844	11014	11326	11482	11870	12091	12281	12426	12282	12229	12221	12443	12484	12593	12548	12603	12517	12600	12518	12471	12482	12458	13044	13949	14182	14078	13974	14073	13905	13732	13593	13273		
SRev ST-Coal		247	184	272	276	104	74	90	90	128	155	185	163	193	207	191	198	359	335	233	117	88	56	93	81	95	101	70	89	59	116	69	203	195	203	184	186	16	85	229	99	99	99	102	98	106	104	174	171		
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	0
SRev CCGT-Gas		1119	490	634	887	1029	1368	1009	1098	1224	1119	1075	964	940	952	1262	1630	1550	1404	849	873	708	741	634	535	819	819	704	488	431	575	583	455	509	464	478	687	741	822	570	213	405	302	354	269	236	239	200	347		
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 Co-Gen		0	1	1	1	1	-1	-1	1	-1	-1	-2	-2	-1	-2	-2	-2	-2	-1	-1	-2	-2	-3	-2	-3	-2	-2	-2	-1	0	0	-1	0	-2	-3	-3	-3	-4	-4	-6	-5	-4	-5	-5	-6	-5	-5	-5	-4		
Syncon		912	912	912	912	912	912	912	912	912	912	912	912	912	761	761	912	126	700	826	1013	1013	1013	1013	862	862	862	862	1013	826	912	1013	1013	1013	862	862	1013	1013	862	741	554	675	675	675	675	826	826	741			
Hydro		118	116	114	116	115	116	114	115	116	115	114	114	114	243	282	125	116	172	231	170	147	148	148	149	284	283	302	295	171	247	196	149	150	147	293	283	150	152	308	302	402	382	337	344	445	308	201	396		
S.Reserve Total		2396	1703	1933	2192	2161	2469	2124	2216	2379	2300	2284	2151	2158	2161	2494	2863	2935	2036	2012	1984	1954	1955	1886	1775	2058	2063	1936	1733	1674	1764	1759	1820	1865	1824	1814	2015	1916	2068	2023	1444	1471	1579	1621	1562	1622	1608	1406	1651		