

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,019 MW
Distillate	0 MW
Total TNB	4,821 MW
Total IPP	14,167 MW
Total Co-Gen	0 MW
Total System	19,560 MW

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	15,651 MW
TNB Generation	2,598 MW
IPP Generation	11,788 MW
Spinning Reserve	1,217 MW
Maximum Demand	14,412 MW
Net Energy	305,077 MWH
Load Factor	88.20 %

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	214
Total TNB	265
CBPS	54
KLPP	16
NPRI	78
PGLA	108
PLPS	94
PTEK	4
SGRI	87
SKSP	50
YPKA	75
Total IPP	567
Total Gas	832
Total Gas Required	832

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	37,724	12.37 %
Hydro	11,010	3.61 %
Total TNB	48,734	15.97 %
ST-Coal	169,030	55.41 %
Gas	86,428	28.33 %
Total IPP	255,458	83.74 %
Co-Gen	1,149	0.38 %
Total Co-Gen	1,149	0.38 %
Total Generation	305,341	100.09 %
PLTG	-378	-0.12 %
HVDC	642	0.21 %
Interconnection	264	0.09 %
Net Energy	305,077	100.00 %

Fuel Cost

Total Cost:	54,497,933.39 RM
Cost per Unit	18.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	457
Hydro	329
Syncon	646
Thermal	99
Total	1,531

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	26

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	13088	12520	12214	11770	11474	11351	11370	11266	11035	11742	12458	13024	13064	13063	13226	13250	13157	13065	12840	13427	14412	14281	13898	13585

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

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																									
SRev ST-Coal		160	148	247	240	237	324	394	329	337	339	340	335	186	208	183	175	175	182	177	97	81	93	90	86	88	183	183	86	78	104	86	93	89	86	86	80	77	89	162	140	132	139	137	120	25	167	196	173	
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	65	78	79	119	80	0	0	0		
SRev CCGT-Gas		501	793	594	476	410	622	654	949	1136	1171	1227	1253	1255	1074	1244	1693	1608	1248	1220	968	743	622	395	321	352	311	406	422	390	293	339	322	348	312	310	556	943	621	530	198	205	262	298	281	358	430	503	504	
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	
SRev Co-Gen		-10	-9	-9	-9	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-10	-9	-10	-9	-7	-7	-7	-7	-6	-7	-6	-6	-5	-6	-3	-6	-5	-5	-7	-7	-7	-7	-6	-7	-8	-8	-8	-9	-11	-9	-9	-8	-10	-9
Syncon		711	560	560	560	560	646	646	646	646	646	646	646	646	646	646	667	797	797	797	797	797	898	661	812	812	812	560	711	711	560	711	711	626	711	711	560	983	983	626	439	439	288	288	717	817	818	733		
Hydro		245	163	164	161	164	111	112	110	112	112	113	113	112	113	111	111	121	122	130	128	123	122	148	324	195	210	226	437	404	422	546	390	366	386	327	337	432	154	251	337	371	372	522	507	283	201	121	182	
S.Reserve Total		1607	1655	1556	1428	1361	1694	1797	2025	2222	2259	2317	2338	2190	2033	2174	2616	2540	2210	2317	1983	1737	1627	1525	1385	1441	1510	1622	1499	1580	1524	1526	1511	1507	1403	1427	1677	2006	1840	1918	1358	1217	1282	1353	1267	1374	1607	1628	1583	