

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,204 MW
Distillate	0 MW
Total TNB	5,006 MW
Total IPP	16,739 MW
Total Co-Gen	0 MW
Total System	22,317 MW

Generation Mix

Type	MWh	Percentage
Gas	35,985	10.09 %
Hydro	9,056	2.54 %
Total TNB	45,041	12.62 %
ST-Coal	220,232	61.72 %
Gas	88,965	24.93 %
Total IPP	309,197	86.66 %
Co-Gen	1,951	0.55 %
Total Co-Gen	1,951	0.55 %
Total Generation	356,189	99.83 %
PLTG	75	0.02 %
HVDC	-696	-0.20 %
Interconnection	-621	-0.17 %
Net Energy	356,810	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,009 MW
TNB Generation	2,385 MW
IPP Generation	14,228 MW
Spinning Reserve	1,312 MW
Maximum Demand	16,718 MW
Net Energy	356,810 MWH
Load Factor	88.93 %

Fuel Cost

Total Cost:	60,644,625.72 RM
Cost per Unit	17.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	457
Hydro	416
Syncon	778
Thermal	54
Total	1,705

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	28

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	14529	13726	13259	12905	12757	12889	12837	12532	12920	14606	15485	16104	16059	15845	16431	16633	16624	16100	15380	15318	16052	16077	15836	15332

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	204
Total TNB	253
CBPS	51
KLPP	67
NPRI	78
PGLA	104
PLPS	87
SGRI	113
SKSP	30
YPKA	68
Total IPP	597
Total Gas	850
Total Gas Required	850

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Thursday

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		14529	14083	13726	13490	13259	13170	12905	12916	12757	12909	12889	12827	12837	12908	12532	12496	12920	13864	14606	15018	15485	15836	16104	16179	16059	15917	15845	16182	16431	16718	16633	16682	16624	16495	16100	15779	15380	15248	15318	15589	16052	16035	16077	15957	15836	15673	15332	15106
SRev ST-Coal		-13	42	67	6	118	144	104	234	343	45	25	138	140	210	156	217	-39	73	-247	24	48	44	48	58	-32	73	61	73	71	63	59	63	66	81	64	67	61	-19	40	30	103	147	151	154	75	134	146	143
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
SRev CCGT-Gas		1118	1068	1410	1639	1767	1731	1941	1658	1681	1604	1584	1891	1984	1890	2184	1903	1680	1197	887	692	380	594	435	429	669	804	857	537	488	345	498	440	415	358	487	786	1049	1097	926	721	282	340	302	330	323	384	583	781
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		-47	-49	-47	-46	-48	-46	-49	-49	-48	-48	-50	-50	-48	-46	-47	-46	-50	-53	-54	-53	-54	-54	-51	-53	-55	-56	-55	-53	-55	-56	-53	-56	-52	-56	-54	-56	-56	-55	-59	-53	-57	-57	-56	-57	-56	-55	-56	
Syncon		1098	1098	1098	1098	947	1098	1098	1224	1073	1073	1073	1224	1224	1224	1073	1224	1224	1073	1224	1224	922	922	922	796	796	796	796	735	548	447	447	447	634	922	1073	1224	1224	1224	1224	1224	821	549	549	736	820	669	1072	1223
Hydro		124	94	122	122	249	122	124	119	250	249	250	116	122	113	257	89	95	207	115	137	376	359	365	380	382	381	367	427	538	512	641	651	507	370	324	190	191	192	189	166	390	505	500	404	466	531	248	100
S.Reserve Total		2280	2253	2650	2819	3033	3049	3218	3186	3299	2923	2882	3319	3420	3389	3624	3386	2914	2500	1926	2023	1673	1865	1716	1612	1762	1999	2025	1717	1592	1312	1589	1548	1566	1679	1892	2213	2469	2438	2324	2082	1543	1484	1445	1568	1627	1662	1994	2191