

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,296 MW
Distillate	0 MW
Total TNB	2,296 MW
Total IPP	15,587 MW
Total Co-Gen	0 MW
Total System	20,807 MW

Generation Mix

Type	MWh	Percentage
Hydro	5,964	1.60 %
Gas	35,674	9.56 %
Total TNB	41,638	11.16 %
ST-Coal	228,677	61.30 %
LSS	1,550	0.42 %
Gas	99,309	26.62 %
Total IPP	329,536	88.34 %
Co-Gen	1,481	0.40 %
Total Co-Gen	1,481	0.40 %
Total Generation	372,655	99.90 %
PLTG	328	0.09 %
HVDC	-699	-0.19 %
Interconnection	-371	-0.10 %
Net Energy	373,026	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	18,683 MW
TNB Generation	2,210 MW
IPP Generation	15,095 MW
Spinning Reserve	1,317 MW
Maximum Demand	17,437 MW
Net Energy	373,026 MWH
Load Factor	89.14 %

Fuel Cost

Total Cost:	68,155,316.78 RM
Cost per Unit	18.27 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	478
Hydro	310
Syncon	689
Thermal	176
Total	1,653

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
PGPS	23
TJGS	203
Total TNB	255
MPSS	29
NPRI	149
PGLA	108
SGB3	67
SGRI	165
SKSP	48
YPKA	73
Total IPP	641
Total Gas	896
Total Gas Required	896

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	15521	14851	14284	13896	13469	13282	13340	13248	13567	15182	16051	16544	16587	16208	16834	17236	17437	17208	16086	15809	16884	16815	16353	16035

Daily MW Generation on Wednesday

[illegible]

Daily MW Generation on Wednesday

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	CUFK	31	30	31	30	29	31	29	29	30	30	30	29	32	31	31	31	30	29	29	29	28	30	30	29	29	29	29	28	28	29	31	29	29	29	30	29	30	28	29	29	29	29	29	29	30	25	-2	1	29
Total Co-Gen		62	64	65	66	64	67	63	63	64	64	64	65	66	66	67	64	65	63	64	63	63	64	63	62	61	62	61	63	60	60	62	64	61	62	61	62	61	64	61	62	62	63	63	65	59	30	32	62	
Total Gen		15551	15143	14835	14606	14283	14111	13910	13638	13466	13307	13313	13390	13294	13388	13259	13199	13547	14544	15145	15667	15983	16283	16470	16592	16505	16202	16121	16463	16757	17094	17150	17229	17366	17381	17180	16686	16066	15703	15805	16611	16860	16939	16808	16719	16344	16330	16027	15782	
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		-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28			
TIE-PLTG		67	63	20	43	36	21	51	26	34	40	69	14	-10	10	46	45	16	51	-1	6	-29	-22	-30	-32	-36	54	-32	-38	-9	-28	-27	-30	-18	2	35	19	30	-37	35	34	13	43	29	9	29	4	28	11	
Interconnection		38	34	-8	15	7	-9	22	-3	5	10	39	-16	-39	-19	18	17	-13	22	-30	-23	-58	-51	-60	-62	-65	25	-61	-67	-38	-56	-57	-59	-46	-27	5	-10	0	-66	6	6	-16	14	1	-20	-1	-26	0	-17	
System Total		15521	15117	14851	14599	14284	14128	13896	13649	13469	13305	13282	13413	13340	13414	13248	13189	13567	14529	15182	15698	16051	16344	16544	16670	16587	16201	16208	16559	16834	17203	17236	17324	17437	17434	17208	16730	16086	15784	15809	16613	16884	16933	16815	16747	16353	16364	16035	15806	
SRev ST-Coal		156	104	167	290	301	296	238	279	277	277	284	279	440	456	429	412	421	388	411	243	162	157	172	185	191	185	187	230	146	145	149	140	150	153	156	158	150	156	152	144	162	154	171	158	145	146	190	191	
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		796	846	725	760	992	1195	1451	1759	1910	2073	2081	2014	1901	1791	2041	2138	1803	905	721	754	622	357	339	577	649	937	1052	757	755	427	383	273	244	346	330	457	1017	1360	1234	501	375	340	393	502	705	467	518	523	
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
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
SRev Co-Gen		3	1	0	-1	1	-2	2	2	1	1	1	0	-1	-1	-2	1	0	2	1	2	2	1	2	3	4	3	4	2	5	5	3	1	4	3	4	3	4	1	4	3	3	2	2	0	6	35	33	3	
Syncon		928	928	928	928	928	928	928	777	928	928	777	777	928	928	928	928	827	827	827	827	827	827	827	626	626	928	928	626	626	626	626	439	439	439	777	928	928	928	928	777	777	777	777	777	928	928	928		
Hydro		142	143	139	140	141	141	142	271	143	144	271	271	140	140	141	147	143	137	137	138	139	138	134	394	407	145	145	379	389	388	388	412	481	427	369	263	133	146	146	176	336	300	337	332	261	130	134	134	
S.Reserve Total		2025	2022	1959	2117	2363	2558	2761	3088	3259	3423	3414	3341	3408	3314	3537	3626	3295	2259	2097	1964	1752	1480	1474	1785	1877	2198	2316	1994	1921	1591	1549	1452	1318	1368	1298	1658	2232	2591	2464	1752	1653	1573	1680	1769	1894	1706	1803	1779	