

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,230 MW
Distillate	0 MW
Total TNB	2,230 MW
Total IPP	16,522 MW
Total Co-Gen	65 MW
Total System	20,966 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,700	2.23 %
Gas	35,499	10.28 %
Total TNB	43,199	12.51 %
ST-Coal	184,349	53.41 %
ST-Gas	1,344	0.39 %
LSS	851	0.25 %
Gas	113,224	32.80 %
Total IPP	299,768	86.84 %
Co-Gen	1,524	0.44 %
Total Co-Gen	1,524	0.44 %
Total Generation	344,491	99.80 %
PLTG	4	0.00 %
HVDC	-701	-0.20 %
Interconnection	-697	-0.20 %
Net Energy	345,188	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	17,458 MW
TNB Generation	2,186 MW
IPP Generation	13,614 MW
Spinning Reserve	1,593 MW
Maximum Demand	15,879 MW
Net Energy	345,188 MWH
Load Factor	90.58 %

Fuel Cost

Total Cost:	69,188,573.21 RM
Cost per Unit	21.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	560
Hydro	356
Syncon	825
Thermal	118
Total	1,859

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
PAKA	16
PGPS	36
SRDG	4
TJGS	159
Total TNB	265
CBPS	54
KLPP	109
MPSS	43
NPRI	78
PGLA	112
PLPS	87
PTEK	2
SGB3	41
SGRI	83
SKSP	48
YPKA	92
PKLG	14
Total IPP	763
Total Gas	1,028
Total Gas Required	1,028

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	14989	14220	13810	13366	13001	12724	12741	12660	12406	13671	14481	15060	14918	14682	15085	15258	15296	15013	14595	14620	15879	15826	15416	15192

Daily MW Generation on Saturday

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	
UPIA	HY01	6	5	5	6	6	6	6	6	6	5	6	5	6	5	6	5	6	5	5	5	5	5	6	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		886	856	720	297	197	203	198	201	199	202	200	202	201	197	205	201	207	226	222	221	227	225	227	275	274
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	14	18	14	14	15	11	12	9	7
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	21	28	32	19	40	31	30	25	23
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	15	24	21	26	36	45	46	50	50	50
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	13	11	14	26	14	15	26	33	26	12
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	1	10	39	62	67	86	108	93	116	118	125	110	92
PCUF	CUFG	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	28	28	28	28	28	28	28	27
PCUF	CUFK	40	38	39	38	39	39	38	37	39	39	38	37	39	40	39	40	40	39	37	38	39	36	35	37	38
Total Co-Gen		61	59	60	59	60	60	59	58	60	60	59	60	61	60	59	60	61	61	67	65	66	67	64	63	65
Total Gen		14950	14492	14182	14045	13756	13580	13373	13186	12971	12846	12659	12624	12680	12739	12604	12374	12376	13170	13649	14036	14465	14716	14940	15039	
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
TIE-HVDC		-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28	
TIE-PLTG		-9	-34	-9	15	-25	-32	36	-54	-1	-42	-35	-38	-32	-43	-27	-22	-1	-2	7	-20	13	2	-91	-45	
Interconnection		-39	-63	-38	-14	-54	-61	7	-83	-30	-71	-65	-66	-61	-72	-56	-51	-30	-30	-22	-49	-16	-28	-120	-74	
System Total		14989	14555	14220	14059	13810	13641	13366	13269	13001	12917	12724	12690	12741	12811	12660	12425	12406	13200	13671	14085	14481	14744	15060	15113	
SRev ST-Coal		189	195	170	187	215	384	372	380	373	393	391	215	328	385	102	86	85	81	-208	87	89	84	95	158	
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
SRev CCGT-Gas		841	877	1026	627	759	813	837	1017	1231	1415	1593	1727	1840	1793	1917	2159	1992	1174	1147	958	767	471	375	342	
SRev ST-Gas		65	44	30	35	-16	-6	-6	-6	-6	-4	79	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
SRev Co-Gen		4	6	5	6	5	5	6	7	5	5	6	7	5	6	4	5	6	5	4	5	4	4	-2	0	
Syncon		399	485	485	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888
Hydro		574	517	653	323	287	281	286	283	285	282	284	282	283	287	279	283	277	309	313	314	308	310	308	310	311
S.Reserve Total		2072	2124	2369	2066	2138	2365	2383	2569	2776	2977	3158	3198	3344	3359	3190	3421	3248	2457	2144	2252	2056	1757	1663	1698	1882