

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,461 MW
Hydro	2,026 MW
Distillate	0 MW
Total TNB	4,487 MW
Total IPP	15,188 MW
Total Co-Gen	0 MW
Total System	20,247 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:	20:30:00 Hour
Total Set On Bus	17,455 MW
TNB Generation	2,945 MW
IPP Generation	13,122 MW
Spinning Reserve	1,342 MW
Maximum Demand	16,119 MW
Net Energy	349,484 MWH
Load Factor	90.34 %

Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	39
SRDG	5
TJGS	177
Total TNB	276
CBPS	54
KLPP	100
NPRI	156
PGLA	110
PLPS	106
PTEK	8
SGB3	56
SGRI	83
YPKA	68
Total IPP	741
Total Gas	1,017

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	38,220	10.94 %
Hydro	11,745	3.36 %
Total TNB	49,965	14.30 %
ST-Coal	186,760	53.44 %
Gas	112,011	32.05 %
Total IPP	298,771	85.49 %
Co-Gen	1,194	0.34 %
Total Co-Gen	1,194	0.34 %
Total Generation	349,930	100.13 %
PLTG	-279	-0.08 %
HVDC	725	0.21 %
Interconnection	446	0.13 %
Net Energy	349,484	100.00 %

Fuel Cost

Total Cost:	60,712,982.27 RM
Cost per Unit	17.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	307
Hydro	440
Syncon	648
Thermal	138
Total	1,533

Time Weather Temperature

Afternoon	Hot	35
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	15051	14464	13936	13374	13106	12829	12868	12690	12429	13643	14675	15182	15213	14989	15396	15464	15481	15342	14871	14918	16076	15979	15673	15419

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																										
Total Hydro		462	297	289	301	257	183	170	181	201	179	370	237	177	198	172	168	174	172	222	309	482	584	492	730	436	324	321	504	568	709	661	615	834	927	836	404	341	272	287	729	1192	1096	1025	1003	951	830	724	625		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	38	37	37	37	37	35	37	38	37	37	37	38	39	39	37	37	37	38	39	37	34	35	35	35	35	34	34	32	33	33	33	31	32	33	32	33	33	34	33	33	32	31	31	31	31	32	30	34	33	
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Total Co-Gen		53	52	52	52	52	50	52	53	52	52	53	54	54	52	52	52	53	54	52	49	50	50	50	50	49	49	47	48	48	48	46	47	48	47	48	48	49	48	48	47	46	46	46	46	47	45	49	48		
Total Gen		15067	14787	14466	14097	13945	13738	13428	13259	13149	12957	12839	12851	12844	12946	12732	12551	12475	13147	13702	14254	14747	15035	15164	15373	15244	15131	15032	15290	15407	15484	15498	15399	15503	15555	15367	15020	14930	14760	14943	15453	16067	16113	16012	15977	15678	15610	15403	15192		
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	0
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-14	0	-28	-61	-21	-70	24	-22	13	1	-19	-82	-54	30	11	-4	16	-6	29	-43	42	29	-49	29	1	14	12	12	-20	-6	4	-74	-8	27	-6	-77	28	7	-6	15	-39	-36	3	1	-24	-40	-46	-49		
Interconnection		16	29	2	-31	9	-40	54	8	43	31	10	-52	-24	61	42	26	46	24	59	-13	72	59	-18	60	31	44	43	42	11	24	34	-44	22	57	25	-46	59	37	25	44	-9	-6	33	31	5	-10	-16	-20		
System Total		15051	14758	14464	14128	13936	13778	13374	13251	13106	12926	12829	12903	12868	12885	12690	12525	12429	13123	13643	14267	14675	14976	15182	15313	15213	15087	14989	15248	15396	15460	15464	15443	15481	15498	15342	15066	14871	14723	14918	15409	16076	16119	15979	15946	15673	15620	15419	15212		
SRev ST-Coal		191	175	282	403	166	264	318	531	585	108	318	87	84	83	66	59	57	268	244	136	125	113	115	138	134	126	134	135	133	146	136	136	134	137	141	133	152	132	128	156	140	127	144	143	138	128	96	133		
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	50	5	19	8	84	111	115	75	9	0
SRev CCGT-Gas		796	621	777	656	544	407	685	653	728	784	883	682	633	553	752	936	1020	529	576	417	476	373	284	360	318	276	334	216	186	237	185	136	254	193	285	209	217	339	233	291	264	271	208	157	283	190	235	258		
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		-8	-7	-7	-7	-7	-5	-7	-8	-7	-7	-7	-8	-9	-9	-7	-7	-7	-8	-9	-7	-4	-5	-5	-5	-5	-4	-4	-2	-3	-3	-3	-1	-2	-3	-2	-3	-3	-4	-3	-3	-2	-1	-1	-1	-2	0	-4	-3		
Syncon		887	1124	1124	1124	973	1225	1225	1074	1225	1124	1124	1225	1074	1225	1225	1225	1225	923	953	802	676	827	676	827	827	827	827	827	676	676	489	489	302	302	302	762	863	863	863	762	323	359	510	510	464	651	651	651		
Hydro		304	208	216	204	299	121	134	123	254	125	35	168	127	257	132	136	130	132	384	267	245	294	385	335	328	290	293	410	497	465	625	671	639	546	637	425	387	456	441	465	518	578	498	470	623	428	535	500		
S.Reserve Total		2170	2121	2392	2380	1975	2012	2355	2524	2634	2235	2353	2053	2060	1958	2168	2349	2425	2146	2118	1766	1644	1451	1606	1504	1602	1515	1584	1586	1489	1521	1432	1431	1327	1175	1363	1526	1616	1786	1712	1676	1262	1342	1443	1390	1621	1472	1522	1539		