

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,466 MW
Distillate	0 MW
Total TNB	2,466 MW
Total IPP	16,463 MW
Total Co-Gen	55 MW
Total System	21,133 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,168	2.51 %
Gas	41,583	11.40 %
Total TNB	50,751	13.91 %
ST-Coal	185,296	50.80 %
ST-Gas	9,901	2.71 %
LSS	818	0.22 %
Gas	117,189	32.13 %
Total IPP	313,204	85.86 %
Co-Gen	1,272	0.35 %
Total Co-Gen	1,272	0.35 %
Total Generation	365,227	100.12 %
PLTG	-221	-0.06 %
HVDC	668	0.18 %
Interconnection	447	0.12 %
Net Energy	364,780	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:	14:30:00 Hour
Total Set On Bus	18,984 MW
TNB Generation	3,122 MW
IPP Generation	14,157 MW
Spinning Reserve	1,636 MW
Maximum Demand	17,308 MW
Net Energy	364,780 MWH
Load Factor	87.82 %

Fuel Cost

Total Cost:	75,625,909.88 RM
Cost per Unit	21.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	319
Hydro	620
Syncon	625
Thermal	251
Total	1,815

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	49
PGPS	38
SRDG	14
TJGS	161
Total TNB	315
CBPS	55
KLPP	108
MPSS	49
NPRI	156
PGLA	115
PKLG	3
PLPS	90
PTEK	23
SGRI	89
SKSP	51
YPKA	30
PKLG	99
Total IPP	867
Total Gas	1,183
Total Gas Required	1,183

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	14744	13898	13530	13114	12900	12731	13074	13139	13362	15104	16030	16767	16592	16251	17028	17234	17063	16745	15819	15742	16274	16204	15718	15137

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																														
Total Hydro		222	200	200	199	201	203	200	200	200	198	199	199	201	200	225	201	200	218	221	257	351	562	704	717	692	413	388	542	858	1032	913	891	747	741	536	325	245	225	199	417	402	486	401	333	202	200	188	193						
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	0	0			
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	8	7	22	11	12	23	25	28	28	23	27	18	14	9	4	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	15	20	26	21	19	21	26	28	34	13	33	47	19	9	15	9	9	5	4	3	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	0	4	12	22	31	37	45	41	50	48	50	50	41	35	24	16	3	4	6	6	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	11	10	32	17	22	27	29	39	45	46	27	23	16	22	34	19	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	9	31	52	69	102	105	93	110	126	142	157	128	118	121	69	48	62	38	24	17	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	22	20	21	20	22	21	20	21	20	22	21	21	21	20	22	20	21	20	18	20	21	20	19	19	19	19	19	21	19	20	20	22	21	22	22	45	46	29	21	20	22	21	22	21	22	20	21							
PCUF	CUFK	5	8	8	7	27	34	35	34	34	34	34	34	33	34	34	33	34	32	33	34	35	33	32	33	33	34	33	34	35	34	31	34	32	33	34	33	33	34	35	33	34	35	33	32	33	34	34	33						
Total Co-Gen		27	28	29	27	49	55	55	54	56	55	55	54	54	56	55	56	54	54	54	53	53	52	55	53	53	52	52	53	52	55	54	54	51	56	53	55	56	78	79	63	56	53	54	54	56	54	54	54	54					
Total Gen		14744	14272	13886	13686	13557	13417	13144	12986	12915	12850	12752	12887	13090	13373	13192	13113	13384	14529	15130	15617	16090	16453	16751	16869	16631	16417	16352	16685	17034	17331	17260	17217	17075	17013	16673	16199	15862	15493	15773	16246	16327	16312	16266	16068	15699	15545	15155	14884						
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	0	0		
TIE-HVDC		29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	-29	-29	45	31	30	31	30	31	30	31	29	31	29	31	29	31	29	31	31					
TIE-PLTG		-29	-97	-41	-30	-3	-9	1	-8	-15	-21	-9	-22	-13	8	24	-14	-7	-16	-3	-18	29	9	-46	-53	9	15	71	9	-24	-8	-5	-26	-18	18	-43	1	12	-42	-1	-2	21	7	31	48	-50	-44	-13	-22						
Interconnection		0	-68	-12	-1	27	20	30	22	15	8	21	7	16	37	53	16	22	13	26	12	60	39	-16	-23	39	45	101	39	6	23	26	4	12	-12	-72	46	43	-12	31	28	53	36	62	76	-19	-15	18	9						
System Total		14744	14340	13898	13687	13530	13397	13114	12964	12900	12842	12731	12880	13074	13336	13139	13097	13362	14516	15104	15605	16030	16414	16767	16892	16592	16372	16251	16646	17028	17308	17234	17213	17063	17025	16745	16153	15819	15505	15742	16218	16274	16276	16204	15992	15718	15560	15137	14875						
SRRev ST-Coal		399	401	401	409	411	408	407	407	407	409	402	407	397	405	404	420	399	399	387	287	254	249	267	259	264	246	247	242	238	241	257	261	262	265	254	250	263	256	271	208	117	199	196	209	203	191	212	202						
SRRev 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	0	0			
SRRev CCGT-Gas		767	910	1013	1072	1222	1383	1648	1801	1874	1939	2042	1902	1708	1416	1624	1663	1350	500	494	456	342	278	200	246	472	297	304	195	287	306	265	240	227	237	318	387	368	618	373	300	189	195	174	297	456	467	814	723						
SRRev ST-Gas		69	68	68	69	69	67	67	68	68	68	68	69	68	69	69	69	69	73	2	-1	-1	0	0	-1	-2	-10	-48	-20	-1	17	-5	4	-12	-1	0	0	74	61	60	-1	-48	67	10	5	80	80	79	79						
SRRev 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	0	0			
SRRev Co-Gen		28	27	26	28	6	0	0	0	1	-1	0	0	1	1	-1	0	-1	1	1	1	2	2	3	0	2	2	3	3	2	3	0	1	1	4	-1	2	0	-1	-23	-24	-8	-1	2	1	1	-1	1	1						
Syncon		924	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	924	1075	1075	924	773	672	485	485	546	546	672	586	460	460	273	460	460	561	561	561	773	773	924	1075	924	924	737	737	647	1075	1075	1075	1075	1075	1075							
Hydro		400	271	271	272	270	268	271	271	271	273	272	270	271	397	270	271	404	401	516	573	749	657	683	758	711	772	769	678	791	723	745	788	644	749	698	528	397	272	405	420	523	558	566	269	271	283	278							
S.Reserve Total		2587	2752	2854	2925	3053	3201	3468	3622	3696	3763	3859	3725	3519	3237	3417	3497	3163	2301	2209	2032	1926	1766	1615	1740	2044	1924	1954	1656	1675	1636	1705	1737	1854	1742	1968	2167	2092	2337	2113	1857	1686	1720	1677	1725	2084	2083	2464	2358						