

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,185 MW
Distillate	0 MW
Total TNB	2,185 MW
Total IPP	15,067 MW
Total Co-Gen	0 MW
Total System	19,401 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,842	3.18 %
Gas	40,785	11.98 %
Total TNB	51,627	15.16 %
ST-Coal	169,070	49.65 %
ST-Gas	6,047	1.78 %
LSS	1,261	0.37 %
Gas	111,062	32.62 %
Total IPP	287,440	84.42 %
Co-Gen	1,481	0.43 %
Total Co-Gen	1,481	0.43 %
Total Generation	340,548	100.01 %
PLTG	-672	-0.20 %
HVDC	722	0.21 %
Interconnection	50	0.01 %
Net Energy	340,498	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:	20:30:00 Hour
Total Set On Bus	16,704 MW
TNB Generation	2,942 MW
IPP Generation	12,678 MW
Spinning Reserve	1,021 MW
Maximum Demand	15,668 MW
Net Energy	340,498 MWH
Load Factor	90.55 %

Fuel Cost

Total Cost:	70,672,638.64 RM
Cost per Unit	21.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	524
Hydro	460
Syncon	600
Thermal	134
Total	1,718

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	50
PGPS	24
TJGS	170
Total TNB	299
CBPS	56
KLPP	105
MPSS	58
NPRI	78
PGLA	114
PLPS	93
PTEK	7
SGB3	51
SGRI	86
SKSP	50
YPKA	31
PKLG	60
Total IPP	789
Total Gas	1,088
Total Gas Required	1,088

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	14688	13937	13446	13051	12711	12511	12490	12414	12289	13437	14301	14803	14794	14469	14958	14997	15093	14908	14383	14445	15650	15589	15278	14988

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																										
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	12	16	20	22	24	23	27	30	29	14	29	5	5	6	8	6	3	2	1	1	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	7	13	21	28	33	38	23	48	37	30	32	23	13	29	11	37	35	16	20	6	5	2	0	0	0	0	0	0	0	0	0	0	0			
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	18	25	32	36	27	43	44	32	45	44	44	41	37	35	26	9	8	6	5	2	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	2	9	19	37	20	44	46	47	50	50	50	50	36	18	16	13	17	31	22	15	8	2	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	2	6	16	23	28	33	38	41	44	44	35	35	27	32	28	26	36	11	6	4	6	1	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	0	7	34	68	111	117	162	180	162	208	202	177	191	144	136	119	95	127	97	68	57	35	20	7	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	21	21	21	19	21	22	20	21	20	21	20	21	22	20	21	28	27	28	26	26	25	24	26	26	24	25	25	26	26	25	25	25	26	25	25	26	25	27	26	26	25	25	26	26	26	26	25			
PCUF	CUFK	40	38	41	39	39	39	39	40	39	38	36	37	36	39	39	40	40	39	38	38	36	36	36	36	37	36	38	36	36	34	39	38	40	38	36	36	37	37	38	36	37	37	38	36	37	36	37	37		
Total Co-Gen		61	59	62	58	60	61	59	60	60	58	57	59	56	60	67	67	68	65	64	63	60	62	62	62	61	62	61	61	60	65	63	65	63	65	63	62	61	64	63	63	63	61	63	62	62	63	62			
Total Gen		14695	14286	13935	13745	13435	13294	13041	12886	12723	12702	12500	12552	12488	12563	12415	12395	12274	12942	13425	13923	14274	14564	14798	15004	14818	14626	14516	14787	14961	15090	15012	15090	15108	15057	14934	14614	14390	14438	14460	15363	15666	15683	15619	15552	15326	15146	14995	14789		
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		
TIE-HVDC		31	29	29	29	29	31	31	30	30	29	30	31	31	30	30	29	29	29	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30		
TIE-PLTG		-24	-62	-31	-59	-40	-75	-41	-11	-18	-47	-39	-37	-32	-9	-29	-32	-45	-64	-41	-58	-57	-49	-35	-21	-6	0	16	6	-27	-15	-15	-37	-15	-44	-5	-41	-23	-10	-16	-50	-15	-15	0	-7	18	-48	-24	-17		
Interconnection		7	-32	-2	-30	-11	-44	-10	19	12	-17	-11	-8	-2	22	1	-3	-15	-34	-12	-29	-27	-19	-5	9	24	31	47	37	3	15	15	-6	15	-13	26	-11	7	20	15	-20	16	15	30	23	48	-17	7	14		
System Total		14688	14318	13937	13775	13446	13338	13051	12867	12711	12719	12511	12560	12490	12541	12414	12398	12289	12976	13437	13952	14301	14583	14803	14995	14794	14595	14469	14750	14958	15075	14997	15096	15093	15070	14908	14625	14383	14418	14445	15383	15650	15668	15589	15529	15278	15163	14988	14775		
SRev ST-Coal		201	270	555	382	400	398	408	386	390	397	382	390	388	384	391	382	385	390	285	245	80	72	90	77	83	78	83	84	80	93	79	75	177	98	43	36	24	34	124	164	155	138	66	228	206	219	196			
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	99	5	6	6	5	4	4	81	78	79	79	38	36	26	34	95	0	0	0	0	0	0	0	0
SRev CCGT-Gas		675	622	471	320	523	444	632	757	817	826	1038	975	1041	987	1123	1143	1282	637	787	785	684	447	611	457	591	597	685	448	389	386	498	428	468	384	429	539	665	532	516	392	389	311	300	378	531	376	358	314		
SRev ST-Gas		73	73	73	73	73	75	71	69	65	38	38	38	38	38	38	38	42	23	6	3	3	3	3	3	4	3	3	4	4	5	6	6	6	29	11	26	0	0	1	-23	-28	-32	2	3	44	39				
SRev LSS		17	17	17	17	17	17	17	17	17	17	17	17	17	16	11	5	-1	-8	-15	-19	-9	-26	-27	10	4	-9	1	0	-13	-19	-7	10	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0			
SRev Co-Gen		-6	-4	-7	-3	-5	-6	-4	-5	-5	-5	-3	-2	-4	-1	-5	-12	-12	-13	-10	-9	-8	-5	-7	-7	-6	-7	-6	-6	-5	-10	-8	-10	-8	-7	-6	-9	-8	-8	-8	-8	-6	-8	-7	-7	-8	-7				
Syncon		1075	1075	989	802	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989		
Hydro		262	211	301	374	260	260	260	261	260	260	259	259	260	391	261	259	259	258	258	276	288	285	597	428	438	274	276	402	501	463	625	605	588	560	510	602	541	304	304	372	556	474	650	606	626	668	649	560		
S.Reserve Total		2297	2264	2399	1965	2257	2177	2373	2474	2533	2522	2720	2666	2729	2658	2807	2825	2954	2305	2461	2348	2196	1784	1807	1663	1878	1913	2035	1772	1747	1620	1680	1565	1573	1576	1507	1746	1910	1845	1812	1342	1224	1021	1174	1191	1466	1519	1535	1375		