

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,453 MW
Hydro	2,479 MW
Distillate	0 MW
Total TNB	4,932 MW
Total IPP	13,652 MW
Total Co-Gen	0 MW
Total System	19,156 MW

Generation Mix

Type	MWh	Percentage
Gas	42,267	11.73 %
Hydro	17,293	4.80 %
Total TNB	59,560	16.53 %
ST-Coal	168,596	46.80 %
Gas	130,998	36.36 %
Total IPP	299,594	83.16 %
Co-Gen	1,255	0.35 %
Total Co-Gen	1,255	0.35 %
Total Generation	360,409	100.05 %
PLTG	-474	-0.13 %
HVDC	639	0.18 %
Interconnection	165	0.05 %
Net Energy	360,244	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,925 MW
TNB Generation	3,233 MW
IPP Generation	13,891 MW
Spinning Reserve	1,748 MW
Maximum Demand	17,191 MW
Net Energy	360,244 MWH
Load Factor	87.31 %

Fuel Cost

Total Cost:	63,905,273.35 RM
Cost per Unit	18.63 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	427
Hydro	552
Syncon	579
Thermal	87
Total	1,645

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	12
GLGR	50
PGPS	46
SRDG	26
TJGS	184
Total TNB	318
CBPS	55
KLPP	102
MPSS	42
NPRI	162
PDPS	2
PGLA	110
PKLG	5
PLPS	100
PTEK	24
SGB3	40
SGRI	159
SKSP	55
YPKA	48
Total IPP	904
Total Gas	1,222
Total Gas Required	1,222

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	14108	13360	12895	12453	12242	12114	12387	12428	13153	15118	16207	16903	16788	16452	16932	17097	17117	16672	15596	15464	16541	16479	15913	15322

Daily MW Generation on Monday

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																									
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	78	79	78	23	22	22	23	23	23	23	23	22	22	23	23	23	23	23	80	80	21	21	21	21	21	21	-1	-1				
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	49	49	49	49	49	49	48	49	33	33	33	33	33	33	0	0	0	0	0	0	30	49	49	49	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	52	51	51	51	51	51	51	51	51	33	33	33	33	33	0	0	0	0	0	0	30	50	50	50	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	50	51	51	51	51	51	51	50	50	33	33	33	33	33	33	0	0	0	0	0	0	50	50	50	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	17	25	25	25	25	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	17	25	25	25	25	0	0	0	0		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	17	25	25	25	25	0	0	0	0			
TMGR	HY01	0	0	0	0	0	0	0	34	33	33	33	33	33	33	33	82	82	82	82	82	82	82	82	82	82	81	82	82	81	34	34	65	34	-1	-1	-1	-1	-1	-1	34	34	-1	-1	-1	-1	-1	-1		
TMGR	HY02	32	33	33	33	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	85	84	84	85	84	85	84	84	83	85	85	64	36	36	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY03	30	30	30	30	30	28	29	12	0	0	0	0	0	0	0	80	80	80	79	80	80	80	80	80	80	80	78	80	80	79	80	34	64	34	34	29	34	34	34	34	34	34	34	34	33	34	34	31	
TMGR	HY04	31	31	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	81	81	81	81	81	80	81	81	60	34	34	64	34	34	28	-1	-1	-1	-1	34	34	34	34	33	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	88	93	93	92	-1	183	93	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	95	94	93	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		615	673	672	554	382	314	209	214	185	190	172	172	171	185	324	181	207	510	1104	1461	1603	1690	1706	1668	1406	1727	1583	1473	1368	1215	1082	988	981	1197	872	654	351	243	218	738	646	643	622	337	251	201	174	171	
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	26	26	26	26	26	26	26	25	26	27	27	27	26	27	27	27	27	28	26	25	24	25	25	24	24	24	24	24	24	23	24	25	25	25	25	25	25	25	25	26	25	25	25	26	26	26	25		
PCUF	CUFK	28	26	28	28	26	27	27	25	28	26	26	27	27	28	27	26	27	28	26	26	29	27	27	28	27	25	27	29	28	28	26	27	29	27	27	27	26	27	27	27	27	27	27	27	26	27	27	27	
Total Co-Gen		54	52	54	54	52	53	53	50	54	53	53	54	53	51	54	55	55	52	52	51	51	53	51	51	52	51	49	52	53	52	51	50	52	54	52	52	51	52	52	53	52	52	52	52	52	53	52		
Total Gen		14018	13654	13287	13077	12896	12612	12452	12321	12217	12170	12074	12102	12392	12508	12445	12534	13191	14329	15124	15780	16237	16620	16893	16950	16799	16637	16483	16715	16926	17177	17093	17148	17111	17211	16673	16189	15663	15332	15456	16423	16564	16529	16480	16347	15966	15618	15319	14828	
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		-30	-30	-29	31	31	31	30	31	30	29	30	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	30	30	31	31	31	31	30	29	31	31	30	29	31	31	30	29	30	29	30	30	30
TIE-PLTG		-60	-20	-44	-71	-30	-44	-32	36	-55	7	-70	-18	-26	21	-13	24	7	15	-24	-69	-1	26	-41	-16	-20	-39	0	10	-36	-44	-35	-54	-38	-3	-30	1	36	-28	-40	-3	-6	-28	-30	15	24	-35	-33	-37	
Interconnection		-90	-50	-73	-40	1	-13	-1	67	-25	37	-40	13	5	51	17	54	38	46	6	-39	30	57	-10	14	11	-8	31	41	-6	-14	-4	-23	-6	27	1	33	67	1	-8	29	23	1	1	44	53	-5	-3	-7	
System Total		14108	13704	13360	13117	12895	12625	12453	12254	12242	12133	12114	12089	12387	12457	12428	12480	13153	14283	15118	15819	16207	16563	16903	16936	16788	16645	16452	16674	16932	17191	17097	17171	17117	17184	16672	16156	15596	15331	15464	16394	16541	16528	16479	16303	15913	15623	15322	14835	
SRV ST-Coal		100	195	195	92	84	86	100	188	81	71	67	65	63	74	69	78	33	160	95	99	104	149	272	146	98	204	204	100	82	113	81	41	53	46	48	13	-42	49	9	67	35	67	56	15	63	20	65	83	
SRV OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	3	4	3	4	3	4	11	11	75	16	12	14	15	70	6	164	175	179	183	34	175	27	0	0	0	0	0	0	
SRV CCGT-Gas		552	892	1007	665	680	700	811	856	975	1110	1227	1227	942	846	937	1026	941	484	509	517	557	299	378	458	345	324	252	493	379	339	372	256	241	226	384	412	562	832	828	505	493	404	508	312	682	653	732	1101	
SRV 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	
SRV Co-Gen		-18	-16	-18	-18	-16	-17	-17	-14	-18	-17	-17	-18	-17	-15	-18	-19	-19	-16	-16	-15	-15	-17	-15	-15	-16	-15	-13	-16	-17	-16	-15	-14	-16	-18	-16	-16	-16	-15	-16	-16	-17	-16	-16	-16	-17	-17	-16		
Syncon		802	953	953	1037	1037	1037	1123	1288	1288	1224	1224	1224	1224	1287	1035	1287	1287	1287	865	376	126	0	0	0	464	338	338	338	525	651	928	777	777	525	651	862	963	1198	1198	572	862	777	777	963	963	1198	1349	1349	
Hydro		349	201	202	175	147	215	186	163	108	104	122	122	123	108	221	112	86	217	387	519	690	729	747	785	583	388	532	642	560	587	443	538	545	581	545	415	417	228	253	534	386	474	495	444	455	270	146	149	
S.Reserve Total		1785	2225	2339	1951	1932	2021	2203	2481	2434	2492	2623	2620	2335	2300	2244	2484	2328	2132	1840	1495	1471	1165	1384	1377	1479	1241	1315	1541	1748	1824	1609	1616	1377	1680	1692	2048	2467	2451	1845	1793	1881	1847	1718	2147	2124	2275	2666		