

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,546 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	4,821 MW
Total IPP	14,060 MW
Total Co-Gen	57 MW
Total System	19,502 MW

Generation Mix

Type	MWh	Percentage
Gas	51,259	14.59 %
Hydro	19,617	5.58 %
Total TNB	70,876	20.17 %
ST-Coal	194,921	55.47 %
Gas	83,839	23.86 %
Total IPP	278,760	79.33 %
Co-Gen	1,063	0.30 %
Total Co-Gen	1,063	0.30 %
Total Generation	350,699	99.80 %
PLTG	-16	0.00 %
HVDC	-699	-0.20 %
Interconnection	-715	-0.20 %
Net Energy	351,414	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,946 MW
TNB Generation	3,659 MW
IPP Generation	12,733 MW
Spinning Reserve	1,510 MW
Maximum Demand	16,515 MW
Net Energy	351,414 MWH
Load Factor	88.66 %

Fuel Cost

Total Cost:	60,544,179.55 RM
Cost per Unit	18.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	695
Hydro	271
Syncon	796
Thermal	119
Total	1,881

Time	Weather	Temperature
Afternoon	Hot	0
Morning	Sunny	0

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	53
PAKA	27
PGPS	37
SRDG	9
TJGS	216
Total TNB	386
KLPP	95
MPSS	46
NPRI	78
PGLA	7
PLPS	95
PTEK	9
SGB3	86
SGRI	83
SKSP	34
YPKA	54
Total IPP	587
Total Gas	973
Total Gas Required	973

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	14392	13568	13075	12711	12425	12333	12500	12593	13057	14968	15889	16495	16405	15942	16352	16399	16130	15777	15019	15446	15601	15255	14650	14110

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																								
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	4	0	0	0	0	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25				
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	0	0	0	0	16	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	25	25	25				
TMGR	HY01	81	81	81	81	81	82	81	34	34	34	34	33	33	34	62	31	33	62	81	81	81	81	81	81	81	81	81	81	81	81	81	82	30	30	31	62	31	31	31	31	31	31	30	31	31	31		
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	32	34	64	84	84	85	86	86	86	86	86	86	86	86	82	84	82	31	32	33	64	33	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY03	79	80	80	79	80	79	80	32	32	32	32	32	32	32	60	30	32	60	79	79	79	79	58	59	79	79	79	79	78	79	78	29	29	30	30	30	30	30	30	-1	-1	-1	-1	-1				
TMGR	HY04	81	81	81	81	76	76	76	-1	-1	-1	-1	-1	-1	-1	61	31	33	61	81	81	76	76	59	60	77	77	77	77	76	75	77	76	30	30	31	31	31	31	31	30	29	0	0	0				
UJLI	HY01	-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	-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	-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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7						
Total Hydro		727	756	770	748	743	761	740	595	566	567	582	550	457	525	437	459	422	712	540	579	798	1141	1287	1292	1139	961	900	997	996	1080	1060	1173	1143	1131	1099	927	888	750	878	905	774	794	723	757	839	658	849	804
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
PCUF	CUFG	13	14	14	15	16	15	15	14	16	16	17	15	16	16	15	14	16	16	14	14	14	14	15	13	14	14	14	13	15	16	16	17	16	16	17	16	17	17	17	16	17	18	17	18	18	18		
PCUF	CUFK	28	29	29	29	29	29	28	29	29	26	30	29	29	27	32	29	29	27	30	30	29	30	27	29	27	29	30	29	29	28	29	28	30	28	29	28	28	27	30	28	31	28	28	28	29	29	30	
Total Co-Gen		41	43	43	44	45	44	43	43	45	42	47	44	45	43	48	44	43	43	43	44	44	43	45	40	43	41	43	44	42	44	44	45	45	46	44	46	44	45	44	47	44	48	46	45	46	47	47	48
Total Gen		14309	13791	13499	13312	13060	12920	12696	12580	12402	12355	12262	12354	12474	12863	12523	12494	13043	14259	14956	15491	15837	16307	16460	16479	16372	16161	15904	16179	16297	16436	16313	16301	16093	16020	15755	15333	15045	15008	15471	15703	15555	15438	15284	15036	14624	14356	14000	13767
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	
TIE-HVDC		-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-28	-28	-28	-28	-30	-30	-30	-30	-29	-29	-30	
TIE-PLTG		-54	-8	-39	-9	15	18	14	14	7	43	-43	17	4	18	-41	23	16	37	17	-11	-23	43	-6	10	-3	30	-9	-24	-26	-50	-57	-44	-8	-15	7	50	55	18	54	-19	-17	-50	59	14	4	33	-82	-13
Interconnection		-83	-38	-69	-39	-15	-11	-15	-15	-23	15	-71	-13	-26	-10	-70	-6	-14	8	-12	-40	-52	14	-35	-20	-33	2	-38	-53	-55	-79	-86	-73	-37	-45	-22	21	26	-11	25	-47	-46	-79	29	-15	-26	4	-110	-42
System Total		14392	13829	13568	13351	13075	12931	12711	12585	12425	12340	12333	12367	12500	12873	12593	12500	13057	14251	14968	15531	15889	16293	16495	16499	16405	16159	15942	16232	16352	16515	16399	16374	16130	16065	15777	15312	15019	15019	15446	15750	15601	15517	15255	15051	14650	14352	14110	13809
SRev ST-Coal		168	255	256	257	254	268	230	236	238	240	238	229	230	270	275	258	256	259	220	99	115	106	113	115	105	107	171	122	104	112	111	109	108	112	107	125	181	174	138	120	107	98	117	115	199	224	246	264
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	0	0	0	0	0	0	0	0
SRev CCGT-Gas		744	798	597	762	1017	1250	1490	1364	1516	1556	1671	1552	1336	1010	1257	1326	741	1003	707	333	342	223	378	330	461	395	546	520	419	378	481	408	495	553	733	967	1158	1065	765	651	848	998	1105	1423	1539	1562	1632	1089
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
SRev Co-Gen		16	14	14	13	12	13	14	14	12	15	10	13	12	14	9	13	14	14	14	13	13	14	12	17	14	16	14	13	15	13	13	12	12	11	13	11	13	12	13	10	13	9	11	12	11	10	10	9
Syncon		915	764	764	915	915	764	915	848	999	999	848	999	1100	1100	1226	1075	1226	953	953	802	802	676	676	676	827	827	827	827	827	676	827	827	827	827	676	676	827	827	827	827	915	764	850	850	850	850	850	
Hydro		108	230	216	87	92	225	95	307	185	184	320	201	193	190	212	341	227	186	358	470	311	319	198	193	145	147	148	51	52	219	88	145	150	112	295	467	355	323	195	253	296	467	452	418	461	334	403	388
S.Reserve Total		1951	2061	1847	2034	2290	2744	2769	2950	2994	3087	2994	2871	2584	2979	3013	2464	2415	2252	1717	1583	1338	1425	1407	1627	1712	1899	1667	1549	1510	1633	1692	1752	1775	1824	2246	2534	2401	1938	1861	2179	2336	2535	2818	3060	2980	3141	2600	