

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	4,943 MW
Total IPP	13,979 MW
Total Co-Gen	0 MW
Total System	19,486 MW

Generation Mix

Type	MWh	Percentage
Gas	50,470	14.02 %
Hydro	22,486	6.25 %
Total TNB	72,956	20.26 %
ST-Coal	194,772	54.10 %
Gas	90,402	25.11 %
Total IPP	285,174	79.20 %
Co-Gen	1,106	0.31 %
Total Co-Gen	1,106	0.31 %
Total Generation	359,236	99.78 %
PLTG	-111	-0.03 %
HVDC	-699	-0.19 %
Interconnection	-810	-0.22 %
Net Energy	360,046	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	18,258 MW
TNB Generation	3,973 MW
IPP Generation	13,038 MW
Spinning Reserve	1,201 MW
Maximum Demand	17,139 MW
Net Energy	360,046 MWH
Load Factor	87.53 %

Fuel Cost

Total Cost:	62,021,766.69 RM
Cost per Unit	18.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	517
Hydro	415
Syncon	624
Thermal	124
Total	1,680

Time Weather Temperature

Afternoon	Rainy	32
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	52
PAKA	18
PGPS	39
SRDG	5
TJGS	217
Total TNB	375
KLPP	95
MPSS	44
NPRI	80
PDPS	3
PGLA	18
PLPS	94
PTEK	25
SGB3	92
SGRI	89
SKSP	52
YPKA	53
Total IPP	643
Total Gas	1,018
Total Gas Required	1,018

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	14559	13832	13395	13001	12725	12443	12718	12807	13422	15145	16020	16445	16563	16271	16786	17068	16978	16498	15517	15838	16082	15815	15269	14688

Daily MW Generation on Tuesday

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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	25	25	25	25	25	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	25	25	25	25	25	25	21	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	14	0	16	25	25	25	25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	16	0	16	25	25	25	25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY01	82	82	81	81	81	82	81	35	34	35	34	34	62	62	62	81	81	81	81	81	81	81	81	81	81	81	52	52	52	49	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
TMGR	HY02	87	86	87	87	87	87	84	36	36	36	36	64	64	64	84	83	84	84	84	83	84	84	84	84	84	84	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	0	0	0			
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	79	78	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	
TMGR	HY04	79	79	79	79	79	79	34	34	34	34	34	61	61	61	81	80	81	81	81	81	81	81	81	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
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	-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	-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	7	7	7	7	7	7	7		
Total Hydro		835	809	791	790	789	790	784	671	582	580	579	579	581	668	744	723	827	866	871	890	1094	1131	1248	1386	1264	1192	1016	1079	1222	1424	1425	1427	1427	1428	1210	1068	986	985	1010	1146	1010	1015	1076	754	597	472	485	429			
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	
PCUF	CUFG	18	18	17	18	17	18	18	17	17	18	17	18	18	18	16	15	15	14	15	15	16	16	16	16	17	15	16	16	15	15	16	17	18	18	16	17	17	19	19	18	18	18	20	19	19	18	20	19			
PCUF	CUFK	30	30	30	28	29	30	29	29	28	28	29	30	29	29	29	28	29	29	29	28	29	29	28	29	29	29	30	30	29	30	29	28	30	28	30	28	30	28	30	29	31	29	31	27	29	29	31	27	29		
Total Co-Gen		48	48	47	46	46	48	47	46	45	45	47	47	47	49	45	48	48	45	44	44	43	44	44	43	45	45	44	45	46	44	46	46	44	45	45	45	45	48	46	46	45	47	48	50	47	49	47	48			
Total Gen		14529	14118	13821	13567	13376	13236	12978	12759	12716	12556	12432	12381	12684	12990	12786	12689	13404	14324	15084	15551	15927	16231	16400	16600	16481	16158	16247	16402	16772	17057	17022	16826	16935	16944	16451	15973	15514	15301	15844	16210	16045	16010	15807	15603	15256	14947	14714	14335			
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		
TIE-HVDC		-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-1	25	19	2	10	10	6	-2	19	31	18	34	-5	28	8	25	10	30	-30	-18	-65	-42	-16	-72	-52	-30	5	7	15	-52	-17	-27	-14	-9	-18	30	27	-39	35	-49	-7	-55	22	-26	16	-10	55	-56			
Interconnection		-30	-4	-11	-27	-19	-19	-23	-32	-9	3	-11	5	-34	-1	-21	-4	-18	2	-61	-48	-93	-71	-45	-100	-82	-59	-24	-22	-14	-82	-46	-57	-43	-38	-47	0	-3	-67	6	-79	-37	-85	-8	-56	-13	-38	26	-84			
System Total		14559	14122	13832	13594	13395	13255	13001	12791	12725	12553	12443	12576	12718	12991	12807	12693	13422	14322	15145	15599	16020	16302	16445	16700	16563	16217	16271	16424	16788	17139	17068	16983	16978	16982	16498	15973	15517	15368	15838	16289	16082	16095	15815	15659	15269	14985	14688	14419			
SRev ST-Coal		114	219	272	267	275	254	275	267	259	276	171	155	153	150	162	162	155	156	156	112	113	107	115	120	124	115	127	113	123	114	124	112	109	137	121	136	116	118	137	105	126	110	122	186	168	170	270				
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	0	0	
SRev CCCT-Gas		656	633	793	1053	1233	1398	1628	1743	1695	1847	1774	1621	1536	1319	1604	1754	1146	858	598	510	375	321	335	263	232	381	213	335	189	168	292	384	383	609	623	866	987	1227	745	496	716	737	938	790	913	1117	983	949			
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	0
SRev Co-Gen		9	9	10	11	11	9	10	11	12	12	10	10	10	8	12	9	12	13	14	13	14	13	14	12	12	13	12	11	13	11	11	13	12	12	12	9	11	11	12	10	9	7	10	8	10	9	9	9	9		
Syncon		651	802	953	953	953	953	953	802	953	953	953	953	953	953	802	827	676	525	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	802	953	953	953	802	651	651	802	802	1037	987	1138	1138	1138				
Hydro		297	172	39	40	41	40	46	310	248	250	251	251	249	162	322	192	88	56	51	183	204	468	502	515	637	659	635	672	679	477	476	474	474	473	318	284	291	292	423	478	614	458	397	184	306	193	180	212			
S.Reserve Total		1727	1835	2067	2324	2513	2654	2912	3133	3175	3321	3264	3006	2903	2597	2886	3073	2358	2031	1770	1664	1531	1593	1474	1274	1393	1711	1422	1598	1378	1201	1345	1441	1432	1658	1874	2319	2379	2597	2099	1773	2098	2133	2256	2140	2402	2711	2568	2665			