

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,324 MW
Hydro	2,500 MW
Distillate	123 MW
Total TNB	4,947 MW
Total IPP	14,012 MW
Total Co-Gen	57 MW
Total System	19,016 MW

Generation Mix

Type	MWh	Percentage
Gas	52,128	14.34 %
Hydro	32,199	8.86 %
Distillate	470	0.13 %
Total TNB	84,797	23.33 %
ST-Coal	146,249	40.24 %
ST-Oil	9,327	2.57 %
Gas	100,506	27.66 %
Distillate	21,067	5.80 %
Total IPP	277,149	76.26 %
Co-Gen	995	0.27 %
Total Co-Gen	995	0.27 %
Total Generation	362,941	99.87 %
PLTG	40	0.01 %
HVDC	-524	-0.14 %
Interconnection	-484	-0.13 %
Net Energy	363,425	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	18,523 MW
TNB Generation	4,138 MW
IPP Generation	12,927 MW
Spinning Reserve	1,420 MW
Maximum Demand	17,172 MW
Net Energy	363,425 MWH
Load Factor	88.18 %

Fuel Cost

Total Cost:	68,110,845.35 RM
Cost per Unit	21.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	862
Hydro	387
Syncon	399
Thermal	109
Total	1,757

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	17	PDPS	4
GLGR	50	PGPS	1
PAKA	49	PTEK	11
PGPS	45	SRDG	5
SRDG	8	KLPP	26
TJGS	219	PGPS	0
Total TNB	388	PLPS	41
CBPS	56	SGB3	30
KLPP	64	SGRI	68
MPSS	48	PKLG	93
NPRI	79	Total	279
PGLA	111		
PKLG	7		
PLPS	56		
SGB3	48		
SGRI	106		
SKSP	35		
YPKA	93		
Total IPP	703		
Total Gas	1,091		
Total Gas Required	1,370		

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	14955	14107	13725	13303	13042	12764	12670	12964	13305	15101	16172	16735	16672	16592	16909	17087	17148	16723	15844	15704	15962	15787	15127	14961

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																											
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																											
PGAU	HY04	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SYPS	HY01	0	0	0	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0																											
TMGR	HY01	31	32	31	32	31	31	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31																											
TMGR	HY02	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33																											
TMGR	HY03	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30																											
TMGR	HY04	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31																											
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																											
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																											
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																											
Total Hydro		1043	1026	1027	993	989	988	993	989	1010	1012	990	956	957	929	929	870	1047	1148	1109	1226	1620	1737	1921	1919	1947	1904	1783	1947	1909	1915	1915	1847	1891	1892	1541	1294	1192	1096	1345	1489	1490	1403	1391	1276	1044	1072	1132	1096			
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT11	147	145	142	143	142	143	143	143	143	143	142	143	142	143	138	145	146	144	146	146	146	147	146	147	147	146	145	143	146	146	146	150	149	146	147	147	144	142	142	147	146	140	142	146	143	146	143				
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	121	124	124	123	123	123	123	123	123	123	123	123	123	123	122	124	124	128	128	128	129	129	127	127	127	126	126	128	128	128	128	126	125	129	122	127	126	126	128	128	128	126	125	129	129	122	127	130	130		
SGRI	GT12	130	130	130	134	129	130	130	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT21	123	123	123	123	123	124	124	124	42	67	67	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	133	133	133	134	134	134	134	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		654	655	652	657	651	653	654	504	308	333	332	334	142	142	143	142	173	222	476	511	530	533	535	656	663	658	753	915	991	1000	1097	963	969	964	922	777	736	739	738	738	726	729	719	672	653	667	681	674			
PCUF	CUFG	11	11	12	11	11	10	10	10	11	11	11	10	11	10	10	9	9	9	10	9	10	10	9	9	8	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	
PCUF	CUFK	31	33	32	33	33	32	33	31	33	32	32	32	32	32	33	33	33	31	33	32	33	32	33	32	32	33	34	32	34	32	34	32	34	32	34	32	34	33	33	33	33	32	32	31	33	31	33	31	32		
Total Co-Gen		42	44	44	44	44	42	43	41	44	43	43	42	45	43	43	43	42	43	43	42	40	42	42	42	42	42	42	40	42	38	39	39	40	41	39	41	39	41	41	41	40	40	41	40	39	38	41	40	41		
Total Gen		14984	14441	14137	13995	13762	13565	13349	13242	13077	12841	12791	12736	12673	12998	12972	12954	13315	14574	15123	15552	16013	16407	16665	16711	16610	16277	16446	16636	16780	17103	17012	16971	17011	16939	16621	16151	15758	15563	15730	16077	15986	15890	15861	15694	15172	14957	14987	14607			
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
TIE-HVDC		31	31	31	31	31	30	30	31	31	31	30	29	32	29	29	31	31	-197	-197	-98	-98	-99	-99	-98	-98	-98	-98	-99	-99	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	-97	
TIE-PLTG		-2	-1	-1	22	6	17	16	44	4	13	-5	-19	-27	54	-24	22	-20	23	-9	33	37	35	28	24	37	-10	-48	4	-31	29	23	-36	-40	-21	-3	-47	11	-92	-5	-32	-7	-21	44	5	15	12	-4	26			
Interconnection		29	30	30	52	37	47	46	75	35	44	27	11	3	83	8	51	10	54	22	-164	-159	-63	-70	-75	-62	-108	-146	-94	-129	-69	-75	-134	-137	-120	-102	-144	-86	-62	26	-1	24	9	74	35	45	42	26	56			
System Total		14955	14411	14107	13943	13725	13518	13303	13167	13042	12797	12764	12725	12670	12915	12964	12903	13305	14520	15101	15716	16172	16470	16735	16786	16672	16385	16592	16730	16909	17172	17087	17105	17148	17059	16723	16295	15844	15625	15704	16078	15962	15881	15787	15659	15127	14915	14961	14551			
SRev ST-Coal		101	106	95	146	148	134	134	16	63	75	73	69	55	67	148	150	156	158	152	144	105	111	110	119	113	104	109	115	98	109	114	116	104	116	107	103	105	73	106	115	111	108	123	120	133	114	122	102			
SRev ST-Oil		-10	-11	-11	-9	-10	-11	-24	-5	-5	-62	-62	-62	-61	-14	-81	-3	-2	-19	-35	-1	-1	2	20	-4	-11	-12	-6	0	2	-8	-8	-10	-10	-11	-29	-3	-2	-28	-1	-41	4	-1	-3	-3	-3	-4	-3				
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	0
SRev CCGT-Gas		748	823	829	732	868	1042	1166	1279	1619	1881	1904	1930	1675	1308	1357	1380	1606	1374	1206	958	953	885	853	524	675	856	567	695	719	417	761	600	568	625	559	313</															

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																								
S.Reserve Total		1991	2059	2056	2041	2188	2348	2452	2622	2898	3089	3133	3188	2824	2500	2676	2694	2850	2720	2672	2324	1953	1769	1553	1202	1411	1624	1455	1521	1502	1420	1555	1596	1566	1638	1697	1336	1809	1919	1902	1684	1760	1957	1841	1990	2334	2446	2336	2395