

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,088 MW
Hydro	2,476 MW
Distillate	0 MW
Total TNB	<u>4,564 MW</u>
Total IPP	<u>14,002 MW</u>
Total Co-Gen	<u>57 MW</u>
Total System	<u>19,187 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	25,447	8.34 %
Hydro	24,773	8.12 %
Total TNB	50,220	16.46 %
ST-Coal	160,426	52.58 %
Gas	93,589	30.67 %
Total IPP	254,015	83.25 %
Co-Gen	944	0.31 %
Total Co-Gen	944	0.31 %
Total Generation	305,179	100.02 %
PLTG	-678	-0.22 %
HVDC	732	0.24 %
Interconnection	54	0.02 %
Net Energy	305,125	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:	20:00:00 Hour
Total Set On Bus	15,634 MW
TNB Generation	2,546 MW
IPP Generation	11,506 MW
Spinning Reserve	1,544 MW
Maximum Demand	14,131 MW
Net Energy	305,125 MWH
Load Factor	89.97 %

Fuel Cost

Total Cost:	50,884,712.79 RM
Cost per Unit	18.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	422
Hydro	330
Syncon	652
Thermal	105
Total	1,509

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	13395	12875	12425	12200	11795	11660	11614	11470	10940	11615	12430	12896	12883	12826	13038	13115	13173	12976	12742	13225	14131	14123	13789	13540

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	25
TJGS	110
Total TNB	188

CBPS	57
KLPP	80
MPSS	2
NPRI	78
PGLA	107
PLPS	85
SGB3	78
SGRI	57
SKSP	5
YPKA	97
Total IPP	646
Total Gas	834

Total Gas Required	834
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Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Sunday

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																										
PCUF	CUFK	39	39	33	32	33	31	32	30	33	31	32	33	33	32	31	33	33	31	32	32	32	34	32	32	32	34	33	31	33	32	31	32	31	32	33	33	32	32	34	32	33	32	33	33	33	32				
Total Co-Gen		45	46	40	39	41	39	39	37	40	39	40	41	40	39	38	38	40	39	38	39	41	39	42	40	39	38	41	38	37	39	36	36	37	37	35	36	36	37	37	39	38	39	41	41	43	44	44	42		
Total Gen		13391	13131	12811	12711	12442	12264	12178	11939	11780	11694	11664	11682	11596	11615	11485	11090	10965	11394	11708	12056	12464	12733	12866	13015	12908	12894	12791	12968	13044	13112	13119	13176	13186	13134	13016	12734	12760	12842	13202	14082	14090	14102	14127	14040	13801	13563	13505	13271		
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	31	31	31	31	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	29	29	31			
TIE-PLTG		-34	-81	-95	-48	-14	-48	-52	-37	-45	-44	-26	-51	-48	-24	-15	20	-6	-25	62	-2	4	2	-61	-23	-5	-21	-66	2	-24	-45	-26	42	-18	-1	9	-56	-13	-6	-54	-71	-71	-36	-26	-29	-19	-34	-64	-33		
Interconnection		-4	-50	-64	-17	17	-18	-22	-7	-15	-14	4	-21	-18	7	15	52	25	6	93	29	34	32	-30	8	25	10	-35	32	6	-14	4	72	13	29	40	-26	18	25	-23	-41	-41	-6	4	2	12	-4	-35	-2		
System Total		13395	13181	12875	12728	12425	12282	12200	11946	11795	11708	11660	11703	11614	11608	11470	11038	10940	11388	11615	12027	12430	12701	12896	13007	12883	12884	12826	12936	13038	13126	13115	13104	13173	13105	12976	12760	12742	12817	13225	14123	14131	14108	14123	14038	13789	13567	13540	13273		
SRev ST-Coal		58	64	110	117	140	149	143	147	158	135	137	139	136	142	128	132	129	104	136	57	120	113	94	62	56	69	57	59	81	51	82	162	161	136	138	142	117	156	146	173	163	109	157	159	159	159	147	159		
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	
SRev CCCT-Gas		623	725	595	674	565	728	434	527	537	588	623	607	679	649	717	936	1063	936	1060	850	614	413	330	226	315	351	411	342	231	242	230	457	441	500	690	1008	1087	994	842	471	496	679	768	546	697	942	812	759		
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	
SRev 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
SRev Co-Gen		12	11	17	18	16	18	18	20	17	18	17	16	17	18	19	19	17	18	19	18	16	18	15	17	18	19	16	19	20	18	21	21	20	20	22	21	21	20	20	18	19	18	16	16	14	13	13	15		
Syncon		827	913	913	762	913	913	913	998	998	998	847	847	998	913	998	998	998	847	998	847	847	847	696	696	696	696	696	696	696	545	545	525	525	762	913	913	913	913	913	640	640	640	640	827	676	676	676	827		
Hydro		64	131	134	258	28	37	74	127	119	77	220	217	84	87	162	98	99	231	135	348	343	346	469	424	297	301	359	356	348	477	473	317	443	279	189	150	149	152	258	228	226	226	226	129	220	214	171	53		
S.Reserve Total		1584	1844	1769	1829	1662	1845	1582	1819	1829	1816	1844	1826	1914	1893	2024	2183	2306	2136	2348	2120	1940	1737	1604	1425	1382	1436	1538	1472	1376	1333	1351	1482	1590	1697	1952	2234	2287	2235	2179	1530	1544	1672	1807	1677	1766	2004	1819	1813		