

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,597 MW
Hydro	2,267 MW
Distillate	0 MW
Total TNB	4,864 MW
Total IPP	15,151 MW
Total Co-Gen	0 MW
Total System	20,015 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
CBPS	26
GLGR	14
PAKA	30
PGPS	37
SRDG	6
TJGS	219
Total TNB	332

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:00:00 Hour
Total Set On Bus	18,468 MW
TNB Generation	3,374 MW
IPP Generation	13,735 MW
Spinning Reserve	1,300 MW
Maximum Demand	17,165 MW
Net Energy	367,636 MWH
Load Factor	89.24 %

CBPS	40
KLPP	98
MPSS	46
NPRI	161
PGLA	110
PTEK	5
SGB3	56
SGRI	89
SKSP	51
YPKA	90
PKLG	24

Generation Mix

Type	MWh	Percentage
Gas	45,202	12.30 %
Hydro	13,793	3.75 %
Total TNB	58,995	16.05 %

Fuel Cost

Total Cost:	63,085,149.06 RM
Cost per Unit	17.88 cents/kWH

ST-Coal	192,635	52.40 %
ST-Gas	2,408	0.65 %
Gas	111,090	30.22 %
Total IPP	306,133	83.27 %
Co-Gen	1,450	0.39 %
Total Co-Gen	1,450	0.39 %
Total Generation	366,578	99.71 %

Average Spinning Reserve During Peak Hour

Type	MW
GT	353
Hydro	551
Syncon	647
Thermal	116
Total	1,667

Total IPP	769
Total Gas	1,101

PLTG	-358	-0.10 %
HVDC	-700	-0.19 %
Interconnection	-1,058	-0.29 %
Net Energy	367,636	100.00 %

Total Gas Required	1,101
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Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
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	15152	14431	13938	13512	13293	12984	13153	13079	13259	15053	15951	16709	16679	16505	17165	17165	17093	16678	15672	15535	16466	16389	15830	15519

Daily MW Generation on Friday

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																										
TMGR	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																										
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																										
Total Hydro		190	181	213	217	179	217	216	221	183	182	181	182	202	183	179	183	183	183	273	408	799	849	953	829	494	455	455	1224	1224	1224	1093	1088	1097	1164	780	650	679	672	923	1045	1004	892	868	782	650	648	369			
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	30	29	29	29	30	30	29	29	30	31	31	31	32	32	32	32	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
PCUF	CUFK	30	33	32	34	33	34	35	34	34	35	34	35	33	35	35	35	35	35	33	30	30	29	28	27	27	27	30	30	30	26	27	27	28	28	28	29	29	27	29	29	18	17	20	24	26	27				
Total Co-Gen		60	62	61	63	63	64	64	63	64	66	65	66	64	67	67	67	67	63	61	61	61	60	58	57	57	56	56	59	59	59	56	56	58	58	59	60	61	61	59	60	61	50	49	52	57	58	59			
Total Gen		15087	14787	14320	14116	13892	13584	13442	13442	13204	13138	12932	12990	13071	13235	13057	12878	13222	14434	14982	15524	15900	16384	16675	16838	16633	16529	16469	16469	17168	17168	17168	17049	17083	17021	16598	16105	15624	15443	15466	16347	16463	16408	16362	16084	15776	15664	15447	15199		
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		-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-35	-46	-82	-31	-17	-29	-40	4	-60	-24	-24	-19	-53	-3	7	-18	-7	8	-42	-16	-22	-24	-4	27	-17	-32	-7	-7	33	33	33	32	20	-18	-51	-46	-18	18	-41	-45	27	-4	3	15	-24	9	-43	-35		
Interconnection		-65	-76	-111	-60	-46	-58	-70	-25	-89	-52	-52	-48	-82	-32	-22	-47	-37	-21	-71	-46	-51	-53	-34	-3	-46	-61	-36	-36	3	3	3	2	-10	-47	-80	-76	-48	-12	-69	-73	-3	-33	-27	-14	-54	-21	-72	-63		
System Total		15152	14863	14431	14176	13938	13642	13512	13467	13293	13190	12984	13038	13153	13267	13079	12925	13259	14455	15053	15570	15951	16437	16709	16841	16679	16590	16505	16505	17165	17165	17165	17047	17093	17068	16678	16181	15672	15455	15535	16420	16466	16441	16389	16098	15830	15685	15519	15262		
SRev ST-Coal		164	248	69	57	114	126	279	136	128	127	136	117	159	68	5	52	26	295	366	58	69	127	126	60	94	135	139	139	59	59	59	68	65	78	81	76	91	73	78	75	73	39	79	63	45	-1	112	110		
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 CCGT-Gas		996	785	936	918	1085	1344	1371	1362	1464	1379	1592	1570	1567	1336	1553	1746	1443	767	460	566	534	448	207	186	367	153	170	170	195	195	195	170	134	238	338	317	582	811	790	193	302	497	368	547	575	605	848	629		
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
SRev Co-Gen		-4	-6	-5	-7	-7	-8	-8	-7	-8	-10	-9	-10	-8	-11	-11	-11	-11	-11	-7	-5	-5	-5	-4	-2	-1	-1	0	0	-3	-3	-3	0	0	-2	-2	-3	-4	-5	-5	-3	-4	-5	6	7	4	-1	-2	-3		
Syncon		1351	1351	1351	1351	1351	1351	1200	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1029	928	626	626	439	626	878	878	878	439	439	439	439	439	439	313	626	626	626	777	777	626	777	777	777	777	777	778	777	1116			
Hydro		132	141	109	105	105	143	256	106	101	139	140	141	140	271	139	143	139	139	139	371	337	523	523	692	629	562	601	601	604	604	604	735	740	731	790	811	760	753	659	469	498	516	468	472	483	437	440	230		
S.Reserve Total		2639	2519	2460	2424	2648	2956	3098	2948	3036	2986	3292	3234	3253	2887	3105	3284	3026	2620	2393	2098	1943	1799	1558	1411	1726	1730	1790	1790	1300	1300	1300	1419	1385	1495	1544	1864	2055	2258	2385	1565	1596	1876	1716	1919	1908	1843	2175	2166		