

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,106 MW
Distillate	0 MW
Total TNB	4,908 MW
Total IPP	15,078 MW
Total Co-Gen	0 MW
Total System	20,558 MW

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	16,383 MW
TNB Generation	2,919 MW
IPP Generation	11,990 MW
Spinning Reserve	1,437 MW
Maximum Demand	14,917 MW
Net Energy	309,491 MWH
Load Factor	86.45 %

Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	24
SRDG	4
TJGS	213
Total TNB	292
CBPS	55
KLPP	84
NPRI	75
PGLA	110
PLPS	90
PTEK	8
SGRI	62
YPKA	34
Total IPP	517
Total Gas	809

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	40,049	12.94 %
Hydro	8,786	2.84 %
Total TNB	48,835	15.78 %
ST-Coal	179,740	58.08 %
Gas	80,653	26.06 %
Total IPP	260,393	84.14 %
Co-Gen	898	0.29 %
Total Co-Gen	898	0.29 %
Total Generation	310,126	100.21 %
PLTG	-92	-0.03 %
HVDC	727	0.23 %
Interconnection	635	0.21 %
Net Energy	309,491	100.00 %

Fuel Cost

Total Cost:	55,825,568.60 RM
Cost per Unit	18.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	520
Hydro	291
Syncon	794
Thermal	138
Total	1,743

Total Gas Required 809

Time Weather Temperature

Afternoon	Rainy	32
Morning	Cloudy	25

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	12777	12265	11938	11606	11326	11212	11362	11325	11061	11910	12734	13277	13369	13205	13526	13537	13596	13395	13133	13646	14887	14917	14540	14265

Daily MW Generation on Monday

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																											
Total CCGT-Gas		4939	4765	4528	4432	4167	3990	3873	3801	3960	4005	3914	4064	4058	4200	4104	3742	3770	3941	4161	4390	4904	5251	5481	5584	5524	5530	5375	5645	5659	5722	5712	5662	5743	5710	5662	5469	5372	5366	5690	5879	5806	5773	5852	5762	5556	5642	5706	5583			
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	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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
BSIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
BSIA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	9	9	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTRG	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		
HTRG	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		
KNRG	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	25	26	25	25	26	26	26	26	25	26	26	26	25	26	26	25	26	26	26	25	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
KNRG	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY02	59	59	55	53	58	57	59	58	58	58	58	61	59	63	58	58	59	55	54	55	56	57	58	58	59	52	56	64	56	57	56	59	61	59	59	59	59	57	99	98	98	69	98	83	56	66	85	59	59		
KNYR	HY04	-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	-1	
LPIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	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		
PGAU	HY03	-1	-1	17	17	-1	-1	-1	-1	-1	-1	19	19	-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	
PGAU	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	0	0	0	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	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	0	0	0	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	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	0	0	0	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	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
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	0	0	0	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	0	0	0	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	0	0	0	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	-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	-1	
TMGR	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	-1	
TMGR	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	0	0	0	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	HY04	33	33	31	27	33	33	33	33	33	33	33	33	33	33	34	34	34	30	33	34	34	34	33	33	33	33	30	33	30	33	33	34	34	34	33	34	34	32	32	34	79	79	79	79	79	79	79	79	79	79	
UJLI	HY02	-1	-1																																																	

Daily MW Generation on Monday

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																										
Interconnection		37	12	46	72	-7	47	58	2	23	6	25	-11	10	40	97	50	37	61	26	-28	3	-22	10	47	29	5	27	10	37	39	3	38	27	70	86	39	64	20	30	-1	12	5	29	-23	50	-14	30	18		
System Total		12777	12537	12265	12118	11938	11674	11606	11495	11326	11322	11212	11270	11362	11510	11325	11036	11061	11516	11910	12260	12734	13067	13277	13436	13369	13381	13205	13464	13526	13573	13537	13504	13596	13517	13395	13244	13133	13170	13646	14712	14887	14808	14917	14855	14540	14496	14265	13922		
SRev ST-Coal		108	201	210	230	218	250	191	259	303	294	292	345	322	278	299	301	306	295	123	80	92	105	95	99	191	204	201	87	79	93	79	186	188	184	192	192	188	91	170	184	169	166	160	169	175	164	151	162		
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	2	4	4	1	1	50	117	0			
SRev CCGT-Gas		672	846	1083	1179	1444	1621	1527	1599	1440	1395	1486	1336	1342	1200	1296	1658	1630	1459	1382	1227	873	666	436	333	393	387	542	497	483	420	430	480	399	432	480	673	770	776	497	158	231	264	185	275	481	395	331	454		
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		-2	-2	-1	-1	-1	0	-1	0	1	1	1	1	2	0	1	0	1	1	1	1	4	3	6	4	4	4	4	5	5	5	6	5	5	4	5	4	4	2	3	3	4	4	3	3	5	5	6	4	3	
Syncon		1012	1012	861	861	1013	1013	1013	1013	1013	1013	1013	862	862	1013	1013	1013	1013	1013	1013	862	862	1013	1013	842	928	928	928	1013	761	761	1013	912	912	912	1013	1013	1013	1013	912	403	403	403	590	439	439	464	464	700		
Hydro		139	137	279	284	139	139	146	146	148	148	147	275	277	142	151	172	169	178	176	298	296	168	168	242	189	196	196	152	337	336	161	204	201	204	160	160	163	164	123	490	566	580	495	362	392	388	461	296		
S.Reserve Total		1929	2194	2432	2553	2813	3023	2876	3017	2905	2851	2939	2819	2805	2633	2760	3144	3119	2946	2695	2471	2126	1958	1716	1520	1705	1719	1872	1754	1665	1616	1688	1787	1704	1737	1849	2042	2136	2047	1705	1239	1375	1420	1437	1251	1493	1467	1528	1615		