

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,042 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	4,414 MW
Total IPP	15,737 MW
Total Co-Gen	85 MW
Total System	20,808 MW

Generation Mix

Type	MWh	Percentage
Gas	24,877	6.80 %
Hydro	18,380	5.03 %
Total TNB	43,257	11.83 %
ST-Coal	213,949	58.51 %
Gas	107,004	29.26 %
Total IPP	320,953	87.77 %
Co-Gen	1,924	0.53 %
Total Co-Gen	1,924	0.53 %
Total Generation	366,134	100.12 %
PLTG	-199	-0.05 %
HVDC	642	0.18 %
Interconnection	443	0.12 %
Net Energy	365,691	100.00 %

Maximum Demand Record

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

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	19,053 MW
TNB Generation	2,605 MW
IPP Generation	14,926 MW
Spinning Reserve	1,442 MW
Maximum Demand	17,545 MW
Net Energy	365,691 MWH
Load Factor	86.85 %

Fuel Cost

Total Cost:	61,019,372.94 RM
Cost per Unit	17.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	345
Hydro	570
Syncon	383
Thermal	162
Total	1,460

Time Weather Temperature

Afternoon	Rainy	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	13
GLGR	54
SRDG	9
TJGS	107
Total TNB	183
CBPS	54
KLPP	75
MPSS	35
NPRI	80
PGLA	63
PLPS	99
PTEK	17
SGB3	32
SGRI	165
YPKA	90
Total IPP	709
Total Gas	892
Total Gas Required	892

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	14219	13516	13035	12744	12507	12598	12676	12615	13485	15373	16395	17018	16850	16604	17368	17482	17350	16676	15874	15711	16398	16456	16296	15832

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																												
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	20	124	142	141	141	140	140	141	135	139	143	135	123	127	138	137	118	118	115	139	127	118	140	142	118	120	117	121	143	136									
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	30	109	137	137	140	142	135	135	141	135	122	124	138	138	114	118	114	115	139	128	117	138	140	115	115	114	117	140	129										
SGRI	ST24	0	0	0	0	0	0	0	0	0	0	0	0	16	18	44	66	64	119	134	187	213	211	212	212	205	214	215	211	209	197	194	199	205	198	189	193	198	209	183	220	221	226	226	225	218	215	218	222	231	224		
TJGS	GT1A	193	231	208	212	207	220	210	218	232	231	198	231	231	200	139	215	229	233	217	232	229	230	222	208	230	229	225	228	226	213	224	226	225	193	198	209	183	220	221	226	226	225	218	215	218	222	231	224				
TJGS	GT1B	181	216	201	204	205	197	204	207	216	215	188	214	214	188	131	212	216	214	209	210	216	214	216	200	212	210	216	215	215	207	208	214	218	186	189	202	174	215	215	216	216	216	207	204	209	212	215	216				
TJGS	ST1C	229	242	232	238	230	233	240	245	239	252	228	240	240	231	196	237	246	243	241	236	252	254	255	245	246	248	252	252	250	240	232	248	250	246	231	249	239	251	252	252	254	252	248	249	251	245	247	252				
YPKA	GT11	131	131	132	131	132	132	131	131	68	91	132	133	133	133	133	133	133	131	129	130	129	128	127	127	128	125	126	126	126	126	125	126	126	125	126	127	128	128	128	129	128	128	129	130	130	130	79	36				
YPKA	GT12	133	133	74	38	0	0	0	0	0	0	0	0	0	0	56	130	130	130	127	127	127	127	127	126	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127				
YPKA	ST10	122	122	111	87	57	56	56	35	41	57	57	58	57	58	57	55	118	118	120	123	123	124	123	124	124	124	124	123	124	123	123	123	123	123	123	124	123	123	123	123	123	123	123	123	122	109	62					
YPKA	GT21	125	125	125	125	94	65	65	130	70	100	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	127	127	127	129	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128					
YPKA	ST20	60	60	60	60	51	39	39	60	42	49	60	60	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61				
Total CCGT-Gas		4405	4576	4195	4082	4071	3995	3924	4082	3820	3918	3810	3825	3881	3932	3708	3780	4545	5047	5448	5643	5827	5969	6003	6195	6154	5921	5995	6314	6708	6641	6688	6680	6458	6225	6160	6211	6117	6207	6229	6245	6403	6352	6225	6284	6419	6355	6095	5754				
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			
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		
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		
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		
BSIA	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			
BSIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	24	23	23	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
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		
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		
CEND	HY02	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	HY04	8	7	7	7	8	7	7	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
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	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	26	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39			
KNRG	HY03	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	59	55	58	58	97	96	96	98	98	97	98	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY02	58	66	58	74	66	61	65	60	62	85	60	64	66	68	60	62	60	97	96	96	100	101	101	97	98	96	99	99	98	98	97	99	98	97	98	96	99	99	98	97	98	96	99	98	97	100	99	98	97	56	-1	-1
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	57	59	59	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	97	101	101	101	98	100	98	101	100	100	99	99	99	101	99	99	99	97	-1	-1	-1	61	101	99	99	57	0	0	0	0			
LPIA	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		
LPIA	HY02	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		
MNOR	HY01	7	7																																																		

