

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,426 MW
Distillate	0 MW
Total TNB	2,426 MW
Total IPP	17,044 MW
Total Co-Gen	65 MW
Total System	21,684 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,497	2.91 %
Gas	40,611	11.26 %
Total TNB	51,108	14.17 %
ST-Coal	186,168	51.63 %
ST-Gas	7,024	1.95 %
LSS	986	0.27 %
Gas	113,315	31.42 %
Total IPP	307,493	85.27 %
Co-Gen	1,462	0.41 %
Total Co-Gen	1,462	0.41 %
Total Generation	360,063	99.85 %
PLTG	-294	-0.08 %
HVDC	-239	-0.07 %
Interconnection	-533	-0.15 %
Net Energy	360,596	100.00 %

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:	16:00:00 Hour
Total Set On Bus	18,633 MW
TNB Generation	2,829 MW
IPP Generation	14,203 MW
Spinning Reserve	1,526 MW
Maximum Demand	17,126 MW
Net Energy	360,596 MWH
Load Factor	87.73 %

Fuel Cost

Total Cost:	75,543,671.99 RM
Cost per Unit	21.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	374
Hydro	556
Syncon	441
Thermal	233
Total	1,604

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	38
PGPS	38
SRDG	18
TJGS	162
Total TNB	310
CBPS	54
KLPP	105
MPSS	46
NPRI	117
PGLA	108
PLPS	92
PTEK	17
SGB3	37
SGRI	37
SKSP	52
YPKA	82
PKLG	70
Total IPP	816
Total Gas	1,126
Total Gas Required	1,126

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	14235	13481	12952	12648	12295	12194	12523	12689	13126	15010	16023	16616	16596	16292	16900	17097	17126	16725	15486	15339	16596	16497	16091	15598

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																													
SKSP	BLK1	331	224	218	297	286	215	220	272	220	286	219	265	315	240	222	216	283	343	344	288	344	239	232	307	274	217	220	258	268	226	221	337	341	340	338	299	304	296	315	342	343	328	317	340	315	341	332	221					
TJGS	GT1B	227	227	227	227	227	168	165	169	168	167	165	168	166	165	218	228	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	223	227	224	224	224	224	224	224	224	224	224	224	224	225	225	225		
TJGS	ST1C	117	117	117	117	117	117	90	90	90	87	87	87	87	87	104	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116			
TJGS	GT2A	212	213	213	213	213	216	212	147	146	146	146	146	186	184	184	217	212	214	214	214	214	214	211	213	213	213	213	213	213	213	213	213	211	211	214	214	212	212	222	222	222	222	222	222	222	222	222	222	222	222			
TJGS	GT2B	212	212	212	211	210	212	142	145	145	146	146	145	186	182	182	213	210	212	211	211	209	211	209	209	211	211	211	210	210	210	210	210	210	212	212	210	210	212	212	210	210	222	220	220	222	220	220	221	221	221	221	221	
TJGS	ST2C	257	257	257	257	257	257	210	210	210	210	210	210	229	235	235	252	257	257	257	257	257	257	257	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	257	257	257	259	264	267	267	267	267	267	267	267	267		
YPKA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	131	135	132	131	131	130	129	129	129	131	129	130	129	131	129	129	129	129	132	130	129	131	131	131	130	132	130	131	130	132	130	131	130	125	22			
YPKA	GT12	126	120	123	95	94	77	93	76	69	89	91	86	91	95	79	91	81	113	126	122	136	114	137	138	124	117	135	114	123	120	136	131	143	133	124	142	136	143	127	142	130	142	134	141	135	125	128	121					
YPKA	ST10	56	57	57	42	41	41	42	42	42	42	42	42	42	42	42	42	55	122	124	124	124	124	124	123	125	124	125	125	125	124	126	125	125	125	125	126	125	126	125	126	124	125	125	119	56								
YPKA	GT21	126	126	125	67	67	67	67	66	67	67	67	67	67	67	67	66	67	126	127	127	127	127	127	125	127	127	128	127	128	127	128	127	127	128	65	65	125	125	125	133	125	125	125	125	125	125	125						
YPKA	ST20	60	61	60	39	38	39	39	39	39	39	39	39	39	39	38	38	39	61	61	61	61	61	62	62	62	61	62	62	62	62	62	62	61	62	61	62	39	38	60	61	61	64	61	61	61	61	61	61	61				
Total CCGT-Gas		5820	5389	5208	5354	5215	5008	4888	4645	4478	4557	4255	4384	4621	4895	4771	4767	5215	6173	6541	6579	6857	6835	6982	7036	6990	6857	6903	7139	7350	7155	7128	7385	7450	7407	7367	7194	7036	6748	6813	7445	7484	7427	7322	7499	7333	7145	6764	6343					
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	
SRDG	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	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	0	
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
CEND	HY01	9	9	9	9	9	10	9	10	9	10	10	10	10	10	9	9	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	9	10	10	10	10	10	10	9	10	10	10	9	10		
CEND	HY03	10	9	10	10	10	10	10	10	10	10	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		
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	-1			
KNRG	HY02	25	25	25	25	24	24	24	24	24	25	25	25	24	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	25	25	25	25	25	25	25	25	25	25			
KNRG	HY03	21	21	21	22	22	21	21	22	21	21	22	21	22	21	22	21	0	0	0	0	0	0	0	0	0	0	0	0	0	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	63	62	63	66	63	61	62	64	62	63	60	66	64	60	62	61	64	66	69	65	67	64	64	64	64	61	62	65	64	64	64	64	63	63	63	62	63	62	60	64	65	64	63	65	64	65	64	65	64	65	64		
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	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
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	10		
MNOR	HY01	8	8	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
PGAU	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			
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	HY04	21	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
SIHY	HY01	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	51	51																																																			

