

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,388 MW
Distillate	0 MW
Total TNB	5,190 MW
Total IPP	17,104 MW
Total Co-Gen	40 MW
Total System	22,906 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	51	Total	0
TJGS	209		
Total TNB	260		
CBPS	54		
KLPP	68		
NPRI	160		
PGLA	106		
PLPS	86		
PTEK	1		
SGRI	35		
YPKA	49		
Total IPP	561		
Total Gas	821		
Total Gas Required	821		

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,730 MW
TNB Generation	2,644 MW
IPP Generation	13,398 MW
Spinning Reserve	1,650 MW
Maximum Demand	16,031 MW
Net Energy	344,642 MWH
Load Factor	89.58 %

Generation Mix

Type	MWh	Percentage
Gas	36,594	10.62 %
Hydro	9,681	2.81 %
Total TNB	46,275	13.43 %
ST-Coal	209,940	60.92 %
Gas	88,601	25.71 %
Total IPP	298,541	86.62 %
Co-Gen	916	0.27 %
Total Co-Gen	916	0.27 %
Total Generation	345,732	100.32 %
PLTG	364	0.11 %
HVDC	726	0.21 %
Interconnection	1,090	0.32 %
Net Energy	344,642	100.00 %

Fuel Cost

Total Cost:	58,162,386.39 RM
Cost per Unit	17.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	365
Hydro	526
Syncon	832
Thermal	136
Total	1,859

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14610	14144	13659	13213	12780	12470	12459	12206	12261	13360	14272	14891	14887	14870	15321	15591	15510	15134	14676	14891	15981	15994	15618	15378

Daily MW Generation on Thursday

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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	32	33	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	21	21	21	21	12	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	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	23	23	23	23	23	14	0	
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	
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	
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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	36	36	36	36	36	24	
KNRG	HY02	27	27	27	26	27	26	27	26	27	27	26	27	27	27	26	29	29	30	30	30	30	38	37	37	37	37	28	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	37	37	37	37	37	21	
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	
KNYR	HY02	61	62	65	59	59	59	59	61	57	57	59	60	67	69	59	67	96	65	69	60	64	60	102	92	61	66	60	
KNYR	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	
KNYR	HY04	72	-1	-1	-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	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	0	0	
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	
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	
PGAU	HY01	21	21	21	-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	21	21	21	-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	22	22	22	22	-3	-4	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	
SIHY	HY01	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	49	30	30		
SIHY	HY02	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	
SIHY	HY03	50	0	0	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	HY02	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	24	17	17	
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17	
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17	
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	
TMGR	HY02	33	34	-1	-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	33	33	33	33	33	31	33	33	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
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	-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	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		575	282	250	221	200	172	173	178	172	173	175	176	183	185	174	179	212	181	185	175	182	227	392	382	351	255	249	
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	
PCUF	CUFG	33	30	31	31	33	33	33	33	34	32	32	33	32	32	29	28	29	29	29	28	28	28	28	28	28	27	27	
PCUF	CUFK	9	10	10	9	10	10	10	7	10	9	11	11	10	10	12	9	9	10	7	9	9	9	10	11	-1	0	1	
Total Co-Gen		42	40	41	40	43	43	43	40	44	41	43	44	42	42	44	41	38	38	36	38	37	37	38	38	38	37	38	
Total Gen		14679	14335	14192	13898	13709	13466	13261	13042	12815	12575	12460	12490	12494	12480	12233	12012	12317	12930	13400	13858	14306	14527	14877	15026	14959	14929		
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	
TIE-HVDC		30	30	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	29	29	31	31	30	30	30	
TIE-PLTG		39	41	18	36	19	27	18	5	4	9	-41	23	4	6	-4	-44	26	2	10	-5	4	42	-44	11	42	19		
Interconnection		69	71	48	66	50	57	48	35	35	39	-10	54	35	37	27	-13	56	33	40	25	34	71	-14	41	72	49		
System Total		14610	14264	14144	13832	13659	13409	13213	13007	12780	12536	12470	12436	12459	12443	12206	12025	12261	12897	13360	13833	14272	14456	14891	14985	14887	14880		
SRev ST-Coal		129	117	124	123	123	132	125	181	226	273	279	274	414	456	469	556	556	360	271	138	58	113	117	121	123	122		

