

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,938 MW
Distillate	0 MW
Total TNB	1,938 MW
Total IPP	16,823 MW
Total Co-Gen	0 MW
Total System	22,095 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,870	3.39 %
Distillate	1,021	0.27 %
Gas	44,858	11.82 %
Total TNB	58,749	15.48 %
ST-Coal	206,972	54.53 %
ST-Gas	1,669	0.44 %
ST-Oil	25	0.01 %
LSS	4,125	1.09 %
Distillate	5,660	1.49 %
Gas	101,146	26.65 %
Total IPP	319,597	84.20 %
Co-Gen	908	0.24 %
Total Co-Gen	908	0.24 %
Total Generation	379,254	99.92 %
PLTG	384	0.10 %
HVDC	-699	-0.18 %
Interconnection	-315	-0.08 %
Net Energy	379,569	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,478 MW
TNB Generation	3,249 MW
IPP Generation	14,405 MW
Spinning Reserve	1,783 MW
Maximum Demand	17,745 MW
Net Energy	379,569 MWH
Load Factor	89.13 %

Fuel Cost

Total Cost:	93,451,871.79 RM
Cost per Unit	24.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	941
Hydro	476
Syncon	537
Thermal	126
Total	2,080

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	29
Total TNB	29
CBPS	51
EMPP	193
KLPP	0
NPRI	147
PCGP	67
PGLA	90
PLPS	22
SGB3	26
SGRI	90
PKLG	17
Total IPP	704
Total Gas	733
Total Gas Required	779

Alternate Fuel Usage

Station	(mmcsfd)
PLPS	22
SGRI	23
PKLG	0
Total	45

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	15722	14965	14409	13987	13691	13461	13519	13691	13937	15594	16288	16800	16853	16636	17451	17715	17745	17359	16335	16260	17153	16909	16533	16133

Daily MW Generation on Thursday

		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		
TJGS	GT2A	0	0	0	0	132	131	131	132	130	130	130	130	130	130	130	130	130	131	131	174	219	219	215	217	217	217	217	217	217	217	217	216	216	216	216	216	216	217	217	217	217	217	217	217	217	217	217	217	217	217
TJGS	GT2B	0	0	0	0	125	127	126	126	126	126	126	126	126	126	126	125	125	125	171	213	212	212	212	210	210	212	212	212	212	209	209	211	211	211	211	211	211	211	211	211	211	211	211	210	210	210	213	211		
TJGS	ST2C	233	233	177	183	195	195	195	195	195	195	195	195	195	195	195	195	195	195	207	252	253	253	253	253	253	253	255	255	255	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	
Total CCGT-Gas		6156	5899	5743	5414	5263	5033	4906	4829	4615	4528	4410	4392	4399	4596	4549	4415	4700	5284	5745	6038	6266	6402	6606	6679	6534	6398	6365	6984	7253	7428	7502	7467	7650	7671	7591	7359	6877	6619	6893	7199	7546	7418	7329	7193	7077	6940	6319	6004		
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		
BSIA	HY01	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	12	12	22	11	21	21	21	21	21	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	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	12	12	21	21	21	22	22	22	22	22	22	22	22	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
CEND	HY01	8	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	9	10	10	10	10	10	10	10	10	10	9	9	10	9	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10		
CEND	HY02	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	9	9	9	9	9		
CEND	HY03	8	8	9	8	8	9	8	8	8	8	8	8	8	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	HY04	8	7	8	8	8	8	8	8	7	8	8	8	8	7	8	8	8	7	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
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		
HTRG	HY02	63	63	63	62	62	62	62	63	63	63	62	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	62	62	62	62	63	63	63	63	63	62	62	62	63	63	62	62	62	62	62	62	124	125		
HTRG	HY04	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	7	7	7	7	7	7	7		
KNRG	HY01	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	33	34	34	33	34	34	34	34	34	33	33	34	34	34	34	34	33	33	34	33	33	34	33	33	34	34	33	33	34		
KNRG	HY02	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	37		
KNRG	HY03	35	23	23	23	23	23	23	23	23	22	23	23	24	23	23	23	23	37	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
LPIA	HY01	20	20	20	10	11	11	11	11	11	11	11	11	11	11	11	11	15	17	18	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20		
LPIA	HY02	21	21	21	10	12	12	12	12	12	12	12	12	12	12	12	12	16	18	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	20		
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		
PGAU	HY03	20	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	20	20	20	20	82	82			
PGAU	HY04	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	20	20	21	20	20	81	81			
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	31	31	31	31	31	31	31	31		
SIHY	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	31	31	31	31	31	31	31	31	31	31	
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	31	31	31	31	31	31	31	31	31	31	
SYPS	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	
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	
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	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	42	82	82	82	82	82	82	84	84	84	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	84	84		
TMGR	HY02	34	34	34	34	34	34	34	34	34	32	34	34	34	34	34	34	84	83	34	83	89	46	73	75	89	70	46	45	48	49	89	87	89	47	46	45	45	47	89	71	89	65	45	45	45	75	77			
TMGR	HY03	40	41	41	41	41	43	40	41	41	39	41	41	49	40	44	42	80	72	41	62	80	53	65	67	79	62	41	41	42	43	84	78	82	42	41	40	40	42	84	63	84	58	40	41	41	40	41			
TMGR	HY04	33	34	-1	-1	-1	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	81	41	83	83	83	83	83	83	33	33	31	-1	-1	84	85	84	85	85	-1	-1	84	84		
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	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	
UPIA	HY02	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4													

Daily MW Generation on Thursday

[illegible]