

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,487 MW
Distillate	0 MW
Total TNB	2,487 MW
Total IPP	14,933 MW
Total Co-Gen	0 MW
Total System	21,422 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,208	5.03 %
Gas	63,622	16.66 %
Total TNB	82,830	21.69 %
ST-Coal	221,829	58.10 %
LSS	5,622	1.47 %
Gas	71,842	18.82 %
Total IPP	299,293	78.39 %
Co-Gen	-1,091	-0.29 %
Total Co-Gen	-1,091	-0.29 %
Total Generation	381,032	99.80 %
PLTG	-81	-0.02 %
HVDC	-699	-0.18 %
Interconnection	-780	-0.20 %
Net Energy	381,812	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,993 MW
TNB Generation	4,462 MW
IPP Generation	13,388 MW
Spinning Reserve	1,228 MW
Maximum Demand	17,804 MW
Net Energy	381,812 MWH
Load Factor	89.36 %

Fuel Cost

Total Cost:	91,706,499.18 RM
Cost per Unit	23.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	394
Hydro	452
Syncon	600
Thermal	183
Total	1,629

Time Weather Temperature

Afternoon	Rainy	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	198
Total TNB	227
CBPS	51
KLPP	89
NPRI	77
PCGP	85
PLPS	82
SGRI	89
SKSP	52
SPGP	193
Total IPP	718
Total Gas	945
Total Gas Required	945

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	15871	15093	14429	14021	13656	13457	13449	13704	14074	15606	16379	16802	16846	16657	17322	17581	17804	17594	16668	16701	17546	17231	16593	16462

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	0	0	0
BSIA	HY01	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY03	13	14	13	23	23	23	23	23	24	10	20	20	21	10	11	11	11	11	11	11	11	23	23	
CEND	HY01	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	
CEND	HY03	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	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	
HTRG	HY03	8	8	8	8	8	8	7	7	7	7	8	8	8	8	8	7	8	7	8	8	8	7	8	
HTRG	HY04	3	3	4	4	3	3	4	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	
KNRG	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	22	22	22	38	38	38	38	38	38	21	38	38	38	38	38	38	38	38	37	37	37	36	37	
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	
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY03	95	60	58	59	60	59	61	57	56	56	57	59	58	60	57	56	58	58	57	57	58	58	57	
KNYR	HY04	58	100	68	100	100	88	100	59	58	58	59	60	59	62	60	59	60	58	60	60	58	59	63	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
LPIA	HY02	21	21	21	21	21	20	20	20	20	20	20	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	
PGAU	HY01	147	148	148	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	145	146	146	150	152	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY03	147	148	148	151	151	80	80	-1	-1	-1	-1	-1	-1	-1	21	21	81	81	80	81	110	110		
PGAU	HY04	148	107	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	50	50	50	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
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	
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	
TMGR	HY01	81	82	82	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY03	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-1	-1	-1	33	33	33	33	33	30	31	33	84	84	84	36	33	36	36	36	36	35	36	36	
UJLI	HY01	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	39	-1	-1	93	93	87	-1	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		1369	1021	989	830	650	494	428	300	295	297	270	415	412	452	290	309	323	429	414	523	487	484		
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	
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5	9	15	18	21	22	
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	21	28	34	40	44	40	49	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	10	8	18	16	16	23	
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	17	19	22	25	21	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	16	20	24	27	23	34	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	17	23	28	34	17	20	11	

