

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,262 MW
Distillate	0 MW
Total TNB	2,262 MW
Total IPP	20,261 MW
Total Co-Gen	0 MW
Total System	26,231 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,851	3.70 %
Gas	37,183	9.25 %
Total TNB	52,034	12.95 %
ST-Coal	249,195	62.02 %
LSS	6,662	1.66 %
Gas	93,755	23.33 %
Total IPP	349,612	87.01 %
Co-Gen	490	0.12 %
Total Co-Gen	490	0.12 %
Total Generation	402,136	100.08 %
PLTG	644	0.16 %
HVDC	-319	-0.08 %
Interconnection	325	0.08 %
Net Energy	401,811	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,285 MW
TNB Generation	2,515 MW
IPP Generation	16,353 MW
Spinning Reserve	1,404 MW
Maximum Demand	18,835 MW
Net Energy	401,811 MWH
Load Factor	88.89 %

Fuel Cost

Total Cost:	100,579,356.19 RM
Cost per Unit	25.01 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	325
Hydro	487
Syncon	576
Thermal	317
Total	1,705

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
Total TNB	29
CBPS	43
EMPP	307
NPRI	152
PCGP	88
SPGP	208
Total IPP	798
Total Gas	827
Total Gas Required	827

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	16771	15954	15274	14709	14321	14303	14353	14050	14498	16016	16869	17321	17303	17252	18060	18675	18835	18309	17580	17633	18340	18710	18382	18041

Daily MW Generation on Wednesday

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 Gen		16755	16327	15952	15604	15289	14970	14722	14502	14268	14211	14266	14255	14332	14374	14051	13880	14468	15326	16001	16520	16886	17187	17352	17490	17335	17189	17283	17705	18080	18483	18703	18766	18881	18758	18345	17915	17630	17508	17693	17866	18366	18627	18759	18684	18429	18352	18056	17694					
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	0	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		-31	-28	-28	-28	-29	-29	-31	-28	-28	-29	-29	-30	-29	-29	-29	-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-30	-29	-29
TIE-PLTG		15	28	26	47	44	36	44	35	-25	3	-9	27	9	30	30	-5	0	-3	14	31	17	23	31	27	32	19	31	24	20	42	28	28	45	27	36	34	50	31	60	33	26	37	49	31	47	28	44	14					
Interconnection		-16	0	-2	19	15	7	13	7	-53	-25	-37	-2	-21	1	1	-34	-30	-32	-15	31	17	23	31	27	32	19	31	24	20	42	28	28	46	27	36	34	50	31	60	33	26	37	49	31	47	-2	15	-16					
System Total		16771	16327	15954	15585	15274	14963	14709	14495	14321	14236	14303	14257	14353	14373	14050	13914	14498	15358	16016	16489	16869	17164	17321	17463	17303	17170	17252	17681	18060	18441	18675	18738	18835	18731	18309	17881	17580	17477	17633	17833	18340	18590	18710	18653	18382	18354	18041	17710					
SRev ST-Coal		474	518	618	642	635	641	642	691	765	766	757	757	763	759	780	765	767	774	757	646	441	397	389	321	434	433	335	330	336	268	265	275	230	208	179	183	176	196	179	164	168	178	177	187	180	164	166	161					
SRev 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	
SRev CCGT-Gas		333	254	226	297	441	412	575	713	594	577	546	564	509	446	717	899	428	200	209	374	318	312	432	402	466	646	734	487	458	402	309	233	247	259	417	474	520	512	398	373	241	212	217	261	420	370	526	542					
SRev ST-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	
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		462	613	890	890	890	1016	1016	928	928	928	928	777	777	777	777	928	928	741	741	741	928	1016	928	928	928	928	777	777	777	741	590	590	403	403	741	829	928	928	928	590	489	0	0	0	0	0	0	187	374				
Hydro		611	432	177	224	317	304	304	421	165	199	182	321	295	331	356	238	198	234	253	251	156	161	160	163	165	163	311	299	336	401	559	534	524	528	287	332	175	176	220	457	271	758	705	732	741	650	599	454					
S.Reserve Total		1967	1904	1998	2140	2370	2460	2624	2840	2624	2642	2585	2591	2516	2485	2804	3004	2495	2123	2134	2186	2017	1973	2083	1988	2167	2344	2331	2067	2081	1812	1730	1632	1404	1398	1711	1818	1973	1986	1899	1758	1256	1148	1099	1180	1428	1271	1565	1705					