

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,422 MW
Distillate	0 MW
Total TNB	2,422 MW
Total IPP	19,628 MW
Total Co-Gen	0 MW
Total System	25,451 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,103	2.37 %
Gas	40,247	10.50 %
Total TNB	49,350	12.87 %
ST-Coal	226,714	59.13 %
LSS	4,670	1.22 %
Gas	101,217	26.40 %
Total IPP	332,601	86.74 %
Co-Gen	1,010	0.26 %
Total Co-Gen	1,010	0.26 %
Total Generation	382,961	99.88 %
PLTG	230	0.06 %
HVDC	-695	-0.18 %
Interconnection	-465	-0.12 %
Net Energy	383,426	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,234 MW
TNB Generation	2,671 MW
IPP Generation	15,178 MW
Spinning Reserve	1,339 MW
Maximum Demand	17,923 MW
Net Energy	383,426 MWH
Load Factor	89.14 %

Fuel Cost

Total Cost:	98,539,075.44 RM
Cost per Unit	25.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	573
Hydro	467
Syncon	431
Thermal	233
Total	1,704

Time Weather Temperature

Afternoon	Rainy	23
Morning	Hot	34

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	108
Total TNB	136
CBPS	48
EMPP	305
NPRI	151
PCGP	75
PLPS	77
SPGP	138
Total IPP	794
Total Gas	931

Total Gas Required 931

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	15646	15002	14512	14074	13630	13445	13502	13548	14156	15782	16636	17060	16895	16634	17203	17692	17923	17793	16713	16452	17511	17480	16927	16661

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

[illegible]

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																									
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-30								
TIE-PLTG		102	33	38	11	48	-4	6	2	16	-24	-4	33	-16	2	30	23	-69	4	-58	20	-18	-61	-6	-24	15	-25	-16	-12	13	14	32	38	1	0	65	81	32	41	76	-38	57	8	8	3	13	-6	-16	-6	
Interconnection		73	4	8	-19	19	-33	-22	-27	-13	-53	-33	5	-45	-28	0	-5	-97	-26	-88	-9	-47	-90	-34	-52	-14	-55	-46	-42	-17	-15	3	8	-28	-28	36	53	4	11	46	-65	30	-21	-22	-26	-16	-35	-44	-35	
System Total		15646	15327	15002	14700	14512	14278	14074	13825	13630	13569	13445	13385	13502	13584	13548	13726	14156	15226	15782	16201	16636	16875	17060	17115	16895	16708	16634	17029	17203	17615	17692	17770	17923	17915	17793	17178	16713	16379	16452	17352	17511	17578	17480	17243	16927	16800	16661	16415	
SRev ST-Coal		173	176	247	395	562	616	733	728	744	789	789	803	789	762	736	734	743	481	270	214	229	299	201	230	240	527	613	496	431	299	275	224	201	209	199	252	243	316	325	205	171	190	173	192	196	293	314	359	
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			
SRev CCGT-Gas		1193	1526	1675	1738	1573	1555	1104	1034	1035	953	1061	1071	1057	1143	1277	1321	1253	1286	1575	1351	855	692	890	795	947	912	758	658	582	283	306	351	282	308	243	354	310	471	429	173	238	252	253	233	459	363	332	415	
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		
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
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
Syncon		676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	214	302	489	676	676	489	489	489	489	489	489	302	302	676	676	676	676	489	214	214	214	489	489	489	489	489	
Hydro		350	329	325	317	344	338	343	381	380	370	377	377	379	379	381	379	372	384	370	326	320	393	538	535	449	349	303	436	444	453	490	434	367	466	501	373	339	351	350	457	562	514	629	563	529	481	460	458	
S.Reserve Total		2392	2707	2923	3126	3155	3185	2856	2819	2835	2788	2903	2927	2901	2960	3070	3110	3044	2827	2891	2567	2080	1873	1843	1862	2125	2464	2350	2079	1946	1524	1560	1498	1339	1285	1245	1655	1568	1814	1780	1324	1185	1170	1269	1477	1673	1626	1595	1721	