

Availability at Daily Maximum Demand Hour

ST-Coal	9,160 MW
ST-Gas	0 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,213 MW
Distillate	0 MW
Others	0 MW
Gas	9,288 MW
Co-Gen	0 MW
Total System	22,251 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	19,662 MW
Spinning Reserve	1,310 MW
Maximum Demand	18,346 MW
Net Energy	388,724 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	10
SRDG	4
TJGS	149
CBPS	43
EMPP	262
KLPP	46
NPRI	69
PCGP	79
SGRI	47
SKSP	47
SPGP	201
Total Gas	957

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	227,994	58.65 %
LSS	6,673	1.72 %
Hydro	13,180	3.39 %
Gas	143,273	36.86 %
Co-Gen	-1,039	-0.27 %
Total Generation	390,081	100.35 %
PLTG	-68	-0.02 %
HVDC	1,425	0.37 %
Interconnection	1,357	0.35 %
Net Energy	388,724	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,292
Hydro	315
Syncon	750
Thermal	208
Total	2,565

Total Gas Required 957

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	25

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	17522	16727	16110	15520	15093	14721	14613	14450	13957	14775	15354	15648	15351	15324	16082	16620	17052	17112	16652	17082	18287	18346	18008	17727

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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 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
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	10	10	10	8	3	0	0	0	0	1	0	0	6	12	11	12	14	8	2	6	10	12	0	0
PCUF	CUFG	27	28	28	28	28	28	28	29	27	28	30	27	28	29	28	28	28	28	29	27	27	29	27	28
PCUF	CUFK	7	2	4	3	2	4	4	3	3	5	6	5	2	5	2	3	3	1	6	5	3	4	5	5
Total NEDA Co-Gen		44	40	42	39	33	32	32	32	30	34	36	32	36	46	41	43	43	36	37	39	40	44	33	33
Total NEDA Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Generation		17641	17198	16821	16490	16253	15999	15661	15431	15242	15044	14837	14835	14741	14744	14525	14179	14052	14485	14806	15200	15508	15795	15830	15727
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-50	-46	-49	-47	-46	-46	-46	-45	-43	-43	-41	-44	-40	-43	-43	-40	-43	-45	-50	-48	-49	-51	-58	-55
Total Franchise Area		-50	-46	-49	-47	-46	-46	-46	-45	-43	-43	-41	-44	-40	-43	-43	-40	-43	-45	-50	-48	-49	-51	-101	-96
Singapore		13	1	-11	-26	41	15	39	-5	51	25	18	-15	31	4	-24	22	-5	-5	-76	-45	49	105	25	-9
Thailand		59	59	59	59	59	59	59	59	59	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60
Interconnection		72	60	48	33	100	75	98	54	109	84	78	44	91	63	35	81	55	55	-16	15	108	164	84	50
Total Demand		17522	17095	16727	16413	16110	15881	15520	15335	15093	14920	14721	14750	14613	14641	14450	14061	13957	14388	14775	15140	15354	15583	15648	15584
SRev ST-Coal		199	193	181	181	201	181	171	188	178	289	272	288	280	361	384	384	377	381	375	207	214	203	194	199
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
SRev CCGT-Gas		658	688	1080	1408	1542	1644	1868	1736	1934	2020	2249	2231	2178	2084	2278	2677	2839	2572	2262	2155	1997	1843	1965	2062
SRev Co-Gen		0	0	1	0	-1	0	1	-1	-2	-1	0	1	0	1	0	0	1	0	3	1	-1	0	1	0
Syncon		978	978	978	978	978	827	978	978	978	978	978	928	1079	1079	1079	1079	978	929	928	1079	1079	1079	1079	928
Hydro		235	103	102	102	103	236	103	102	101	106	103	103	312	181	179	149	183	219	177	315	176	175	174	175
S.Reserve Total		2070	1962	2342	2669	2823	2888	3121	3003	3189	3392	3602	3601	3698	3706	3920	4289	4479	4250	3746	3606	3465	3300	3413	3515