

Availability at Daily Maximum Demand Hour

ST-Coal	9,632 MW
ST-Gas	480 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,396 MW
Distillate	0 MW
Others	0 MW
Gas	8,542 MW
Co-Gen	0 MW
Total System	22,640 MW
Total System w/o solar	21,050 MW

Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,020 MW
Spinning Reserve	1,520 MW
Maximum Demand	18,471 MW
Net Energy	403,365 MWH
Load Factor	91 %
Operating Reserve	3,278 MW

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	148
EMPP	288
KLPP	83
NPRI	141
PCGP	84
SGRI	140
SPGP	98
PKLG	74
Total Gas	1,102

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	226,643	56.19 %
ST-Gas	7,128	1.77 %
LSS	8,073	2.00 %
Hydro	13,581	3.37 %
Gas	151,369	37.53 %
Co-Gen	-2,405	-0.60 %
Total Generation	404,389	100.25 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	504
Hydro	265
Syncon	928
Thermal	244
Total	1,941

Total Gas Required 1,102

PLTG	297	0.07 %
EGAT	5	0.00 %
HVDC	722	0.18 %
Interconnection	1,024	0.25 %
Net Energy	403,365	100.00 %

Time Weather Temperature

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	17102	16170	15547	15152	14713	14426	14720	14765	15012	16507	17116	17565	17490	17440	18050	18307	18276	18278	17134	17167	18314	18361	17776	17330

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
10:58:21 AM

(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	0	0	0	7	0	0	12	6	3	0	0	3	6	11	4	12	0	7	0	0	0	0	0	0	
PCUF	CUFG	3	4	2	4	2	4	4	3	3	3	4	3	3	2	2	4	4	3	4	2	5	7	6	7	
PCUF	CUFK	10	10	9	12	12	12	10	10	9	9	10	10	11	12	11	12	11	10	8	8	7	8	8	5	
PFTZ	PFTZ	2	2	4	2	2	2	2	2	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	4	
Total NEDA Co-Gen		15	16	15	25	16	18	28	21	19	16	18	18	22	30	19	28	19	25	15	16	15	14	16	16	
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		17138	16831	16378	16145	15698	15620	15298	15049	14864	14696	14620	14667	14899	15101	14953	14787	15092	16063	16570	16873	17226	17528	17650	17917	
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	-111	-111	-110	-108	-108	-104	-103	-102	-102	-103	-100	-102	-104	-107	-105	-108	-112	-114	-114	-113	-108	-112	-118	-116	
Total Franchise Area		-111	-111	-110	-108	-108	-104	-103	-102	-102	-103	-100	-102	-104	-107	-105	-108	-112	-122	-114	-124	-108	-112	-118	-116	
Singapore		-102	-9	71	0	15	-4	14	53	21	65	63	30	51	106	53	35	-56	3	-86	-32	-42	-2	-53	17	
Thailand		30	31	30	30	31	31	30	30	30	31	31	30	29	31	31	31	31	29	29	29	30	30	29	31	31
Interconnection		-72	22	101	30	46	27	45	84	52	96	94	60	80	137	84	66	-25	34	-56	-1	-11	27	-24	46	
Total Demand		17102	16701	16170	16010	15547	15488	15152	14865	14713	14501	14426	14510	14720	14863	14765	14619	15012	15920	16507	16763	17116	17396	17565	17756	
SRev ST-Coal		187	154	173	162	160	169	193	183	174	180	173	172	281	277	345	314	250	196	192	184	184	176	169	182	
SRev CCGT-Gas		750	799	990	1130	1457	1627	1951	2171	2356	2534	2606	2563	2236	2045	2104	2355	2120	1181	896	922	730	767	718	548	
SRev ST-Gas		71	65	66	66	65	65	65	65	65	67	67	66	66	66	66	66	66	66	66	67	65	65	66	66	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	-1	0	-1	0	0	0	-1	0	0	0	-1	-1	0	
Syncon		928	928	777	1016	928	1016	865	1016	1016	928	928	928	1016	1016	928	865	1016	1205	1117	966	1117	1205	1205	1205	
Hydro		163	270	412	223	238	115	249	131	138	118	131	129	117	118	114	260	190	136	88	260	88	125	85	84	
S.Reserve Total		2186	2303	2505	2597	2935	2992	3323	3566	3749	3914	3992	3944	3716	3521	3644	3860	3642	2783	2446	2486	2273	2338	2241	2084	