

Availability at Daily Maximum Demand Hour

ST-Coal	10,162 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,529 MW
Distillate	0 MW
Others	0 MW
Gas	9,337 MW
Co-Gen	0 MW
Total System	23,958 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:	20:30:00 Hour
Total Set On Bus	17,334 MW
Spinning Reserve	1,071 MW
Maximum Demand	16,326 MW
Net Energy	342,286 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	63
CBPS	52
EMPP	316
NPRI	81
PCGP	89
SPGP	208
Total Gas	841

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	182,057	53.19 %
LSS	9,370	2.74 %
Hydro	16,454	4.81 %
Gas	133,047	38.87 %
Co-Gen	162	0.05 %
Total Generation	341,090	99.65 %
PLTG	-493	-0.14 %
HVDC	-703	-0.21 %
Interconnection	-1,196	-0.35 %
Net Energy	342,286	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	280
Hydro	351
Syncon	865
Thermal	283
Total	1,779

Total Gas Required 841

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14400	13908	13365	12906	12446	12203	12135	12197	12377	13322	14026	14415	14498	14416	14884	15309	15446	15372	14966	15136	16325	16224	15805	15734

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:09:26 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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 NEDA Co-Gen		59	55	58	49	56	52	47	49	52	44	55	48	46	55	52	46	34	37	30	40	40	46	38	40	42	45	31	36	32	28	31	52	30	31	31	30	45	47	45	39	50	51	60	49	53	36	44	43		
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	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
Total Generation		14348	14146	13914	13647	13355	13140	12895	12678	12436	12283	12193	12152	12084	12197	12180	12032	12357	12949	13306	13609	14002	14239	14376	14453	14494	14390	14408	14573	14852	15108	15295	15398	15442	15590	15422	15077	14978	14820	15149	16024	16305	16305	16198	16017	15766	15710	15697	15577		
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	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
KHTC	BLK1	-25	-22	-21	-22	-21	-21	-22	-20	-20	-19	-19	-18	-18	-17	-16	-16	-18	-21	-22	-26	-30	-33	-35	-41	-45	-45	-46	-50	-50	-60	-57	-61	-68	-63	-65	-63	-60	-57	-53	-49	-47	-45	-45	-45	-42	-44	-42	-38		
Total Franchise Area		-25	-22	-21	-22	-21	-21	-22	-20	-20	-19	-19	-18	-18	-17	-16	-16	-18	-21	-22	-26	-30	-33	-35	-41	-45	-45	-46	-50	-53	-60	-57	-61	-68	-63	-65	-63	-60	-57	-53	-49	-47	-45	-45	-45	-42	-44	-42	-38		
Singapore		-44	12	17	-2	1	17	-2	8	2	2	4	5	-36	-26	1	-17	-5	7	-4	-36	-20	-16	-41	-22	-16	-25	-21	-22	-52	-69	-38	-15	-39	-13	17	-42	-14	-38	-8	-35	-34	-34	-37	-59	-49	-62	-47	-36		
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-31	-31	-29	-29	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-30	-29	-29	-30	-29	-31	-31	-29	-29	-29	-29	
Interconnection		-74	-17	-12	-31	-28	-12	-30	-20	-27	-27	-26	-24	-66	-55	-30	-47	-34	-21	-34	-67	-50	-46	-70	-52	-45	-54	-50	-52	-81	-98	-67	-44	-68	-42	-11	-71	-44	-68	-37	-64	-64	-63	-68	-89	-78	-92	-76	-65		
Total Demand		14400	14144	13908	13659	13365	13134	12906	12681	12446	12294	12203	12161	12135	12238	12197	12067	12377	12953	13322	13654	14026	14256	14415	14468	14498	14403	14416	14579	14884	15150	15309	15385	15446	15573	15372	15089	14966	14835	15136	16042	16325	16326	16224	16064	15805	15761	15734	15607		
SRev ST-Coal		337	223	299	352	444	443	595	606	591	593	594	724	722	726	676	712	679	593	614	578	433	446	335	274	273	389	397	407	314	212	239	291	281	210	202	198	196	137	143	144	133	130	136	144	136	149	168	146		
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	3	4	2	2	59	0	0	0	
SRev CCGT-Gas		243	198	184	258	185	305	330	357	341	326	415	292	247	243	303	344	301	239	257	216	286	233	228	270	241	466	632	554	323	227	259	450	531	456	279	360	491	637	329	156	171	175	171	166	311	261	269	354		
SRev Co-Gen		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	0	1	0	0	0	-1	0	-2	0	0	0	0	1	1	0	0	0	0	0	2	0	0	-1	0	0	0	0	2	-1	0	1	0	0		
Syncon		802	615	802	802	1054	1054	1054	1054	903	1054	903	1054	903	1054	1054	1054	1054	1054	1054	1054	1054	1054	903	903	1054	903	1054	1054	953	802	953	953	953	953	953	953	802	953	428	428	579	579	579	579	579	428	579			
Hydro		295	326	300	429	299	273	271	274	273	404	276	403	222	392	297	314	387	253	296	251	298	254	273	423	429	302	435	299	295	144	198	75	24	84	164	253	305	405	104	364	335	183	299	341	402	411	556	436		
S.Reserve Total		1764	1448	1670	1928	2069	2249	2424	2465	2433	2400	2513	2496	2419	2437	2504	2598	2445	2313	2395	2273	2244	2161	2062	2044	2020	2385	2541	2489	2161	1623	1585	1856	1876	1790	1687	1851	2032	2067	1616	1092	1070	1071	1189	1231	1487	1401	1421	1515		