

Availability at Daily Maximum Demand Hour

ST-Coal	10,526 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,450 MW
Distillate	0 MW
Others	0 MW
Gas	9,146 MW
Co-Gen	0 MW
Total System	24,052 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	128
CBPS	46
EMPP	286
KLPP	53
NPRI	74
PCGP	85
SGRI	53
SKSP	50
SPGP	205
Total Gas	1,009

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	21,044 MW
Spinning Reserve	1,429 MW
Maximum Demand	19,582 MW
Net Energy	423,300 MWH
Load Factor	90 %

Generation Mix

Type	MWh	Percentage
ST-Coal	249,529	58.95 %
LSS	9,071	2.14 %
Hydro	13,405	3.17 %
Gas	152,660	36.06 %
Co-Gen	-601	-0.14 %
Total Generation	424,064	100.18 %
PLTG	40	0.01 %
HVDC	724	0.17 %
Interconnection	764	0.18 %
Net Energy	423,300	100.00 %

Fuel Cost

Total Cost:	96,720,170.66 RM
Cost per Unit	22.74 cents/kWH

Total Gas Required	1,009
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Average Spinning Reserve During Peak Hour

Type	MW
GT	479
Hydro	311
Syncon	811
Thermal	154
Total	1,755

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

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	18083	17405	16601	16062	15521	15501	15485	15033	15367	16766	17503	18008	18102	18125	18840	19582	19395	18975	18287	18094	19011	19312	18940	18759

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:33:08 PM

(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 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	8	15	9	12	19	20	20	10	18	19	7	20	19	4	9	9	8	0	13	10	0	0	5	0	0	0	0	0	2	0	0	9	11	9	16	19	21	18	18	20	8	13	17	14	8	13	19		
PCUF	CUFG	22	10	5	6	6	5	6	4	6	6	4	4	4	6	5	6	5	7	6	6	6	5	5	6	0	0	4	6	5	4	5	4	4	9	11	5	6	5	4	5	6	5	5	5	6	5	6		
PCUF	CUFK	30	30	3	2	4	4	4	3	4	3	2	3	4	3	4	3	4	3	3	4	4	24	24	25	27	26	24	26	23	25	26	25	22	20	21	21	20	22	22	23	21	23	23	23	24	23	21	18	
Total NEDA Co-Gen		60	55	17	20	29	29	30	17	20	27	25	14	28	26	14	17	19	16	10	23	40	30	31	37	31	30	30	29	30	32	30	26	33	41	39	47	46	49	46	43	48	37	41	45	43	37	39	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
Total Generation		18166	17824	17478	17078	16678	16472	16137	15916	15595	15573	15574	15504	15560	15586	15106	14993	15444	16285	16852	17218	17598	17889	18101	18341	18180	18175	18208	18497	18952	19547	19674	19629	19495	19448	19068	18619	18379	18232	18185	18575	19096	19392	19390	19339	19021	18923	18838	18562	
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
KHTC	BLK1	-49	-47	-41	-48	-45	-43	-44	-43	-40	-40	-43	-41	-42	-39	-41	-44	-51	-53	-55	-62	-63	-62	-67	-66	-69	-70	-73	-72	-78	-80	-71	-71	-67	-66	-64	-64	-63	-61	-55	-55	-53	-49	-51	-51	-54	-51	-49		
PFTZ	PFTZ	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-5	-4	-5	-5	-5	-5	-5	-5	-5	-5	-3	-3	-1	-1	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 Franchise Area		-53	-51	-44	-51	-48	-46	-47	-46	-46	-43	-43	-46	-46	-44	-46	-49	-56	-58	-60	-67	-66	-65	-68	-67	-69	-70	-73	-85	-78	-80	-71	-71	-67	-66	-64	-64	-63	-61	-55	-55	-53	-49	-51	-51	-54	-51	-49		
Singapore		2	1	2	2	2	1	2	2	1	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	
Thailand		31	30	30	31	31	29	29	29	29	31	31	31	30	30	31	31	31	31	29	31	30	30	30	30	30	30	30	30	31	31	31	31	29	29	29	31	29	31	29	31	29	30	31	31	30	30	31		
Interconnection		33	31	32	33	32	31	31	31	31	33	32	32	32	32	32	32	32	32	30	32	32	32	31	31	32	32	31	31	33	33	32	33	30	31	30	32	30	33	31	33	31	32	33	33	31	31	33		
Total Demand		18083	17745	17405	16997	16601	16398	16062	15842	15521	15502	15501	15429	15485	15511	15033	14919	15367	16201	16766	17132	17503	17795	18008	18246	18102	18093	18125	18412	18840	19440	19582	19546	19395	19355	18975	18529	18287	18143	18094	18492	19011	19311	19312	19258	18940	18841	18759	18483	
SRev ST-Coal		91	250	143	228	240	148	161	180	172	192	154	156	164	152	137	165	165	166	131	174	127	119	64	130	124	122	106	120	137	154	159	171	167	162	161	163	152	323	241	238	181	207	185	176	203	208	200	180	
SRev CCGT-Gas		678	669	891	964	988	1287	1612	1692	1988	2012	2043	2095	2048	2033	2423	2586	2252	1584	1234	1046	852	808	585	397	610	524	580	463	403	332	224	296	296	364	487	865	868	828	849	503	213	197	198	246	329	402	230	255	
SRev Co-Gen		7	10	2	6	6	7	8	6	5	3	5	7	10	6	6	8	10	11	8	8	5	6	5	3	0	1	-1	-1	-2	0	-1	0	-1	-1	3	0	-1	0	-1	1	2	0	-4	0	0	-11	2		
Syncon		953	802	802	802	802	802	752	752	903	903	903	903	903	1054	752	1054	1054	1054	1054	1054	1054	903	1054	1054	903	1054	953	953	615	615	615	615	615	953	953	1054	903	903	1054	903	529	529	529	716	867	716	529		
Hydro		187	118	118	119	118	117	115	273	277	144	148	153	150	149	241	502	224	205	207	207	212	216	363	185	184	317	204	253	297	408	432	394	379	328	188	139	120	261	254	255	241	385	412	428	447	114	280	306	
S.Reserve Total		1916	1849	1956	2119	2154	2361	2698	2903	3194	3254	3253	3314	3275	3243	3861	4013	3705	3020	2634	2489	2250	2203	1920	1769	1972	1867	1943	1788	1788	1509	1429	1476	1456	1468	1792	2120	2193	2315	2247	2049	1539	1320	1324	1376	1695	1591	1415	1272	