

Availability at Daily Maximum Demand Hour

ST-Coal	9,997 MW
ST-Gas	494 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	8,772 MW
Co-Gen	0 MW
Total System	22,950 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	192
CBPS	49
EMPP	293
KLPP	75
NPRI	73
PCGP	88
SGRI	136
SKSP	14
SPGP	103
PKLG	39
Total Gas	1,096

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	21,127 MW
Spinning Reserve	1,159 MW
Maximum Demand	19,869 MW
Net Energy	413,238 MWH
Load Factor	87 %

Generation Mix

Type	MWh	Percentage
ST-Coal	225,399	54.54 %
ST-Gas	3,785	0.92 %
LSS	9,152	2.21 %
Hydro	18,985	4.59 %
Gas	157,042	38.00 %
Co-Gen	-108	-0.03 %
Total Generation	414,255	100.25 %
PLTG	284	0.07 %
HVDC	733	0.18 %
Interconnection	1,017	0.25 %
Net Energy	413,238	100.00 %

Fuel Cost

Total Cost:	97,619,437.12 RM
Cost per Unit	23.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	370
Hydro	384
Syncon	539
Thermal	204
Total	1,497

Total Gas Required 1,096

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	16848	15994	15308	14833	14394	14236	14465	14385	14852	16592	17428	18101	18046	17927	18801	19465	19869	19328	18297	17998	19030	19148	18805	18476

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:35:08 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	17	18	16	4	16	18	23	15	13	13	11	12	18	23	21	16	22	13	20	22	5	18	13	8	14	16	12	10	7	26	30	20	29	24	14	12	3	16	0	11	12	20	20	0	2	4	20	15	
PCUF	CUFG	20	20	20	22	24	25	23	25	26	28	27	28	28	27	28	26	29	29	22	24	21	23	22	24	23	23	21	23	22	22	23	26	30	28	28	28	15	13	13	13	13	14	13	13	13	14	14		
PCUF	CUFK	29	29	29	30	29	31	31	29	28	31	28	30	30	30	30	30	31	29	29	31	15	3	3	3	3	3	3	4	2	4	3	4	3	3	3	3	3	3	3	4	9	30	29	29	30	31	29	30	
Total NEDA Co-Gen		66	67	65	56	69	74	77	69	67	72	66	70	76	80	79	72	82	71	71	77	41	44	38	35	40	42	36	37	31	52	56	50	62	55	45	43	21	32	16	28	34	64	62	42	45	48	63	59	
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		16905	16409	16072	15746	15368	15194	14889	14716	14464	14346	14317	14260	14514	14702	14467	14477	14904	16054	16643	17114	17527	17966	18195	18301	18146	18064	18059	18497	18868	19425	19671	19938	20056	19888	19504	18763	18419	17853	18097	18902	19106	19195	19271	19164	18929	18878	18593	18219	
KHTC	BLK1	-49	-48	-44	-43	-46	-42	-42	-41	-39	-42	-41	-40	-40	-40	-45	-43	-46	-53	-57	-61	-58	-67	-66	-68	-68	-69	-71	-68	-70	-75	-81	-84	-91	-89	-90	-85	-73	-70	-65	-65	-65	-65	-66	-63	-59	-58	-56	-55	
Total Franchise Area		-49	-48	-44	-43	-46	-42	-42	-41	-39	-42	-41	-40	-40	-40	-45	-43	-46	-53	-57	-61	-58	-67	-66	-68	-68	-69	-71	-68	-70	-75	-81	-84	-91	-89	-90	-85	-73	-70	-65	-65	-65	-65	-66	-63	-59	-58	-56	-55	
Singapore		-20	-11	6	7	-14	21	-12	15	3	16	14	-6	-16	23	11	7	-22	-25	-35	-9	13	20	1	-3	4	33	34	-27	-30	29	98	101	68	36	59	14	21	5	5	-23	-16	-2	31	21	36	28	35	23	
Thailand		31	31	32	32	31	31	29	31	31	31	29	31	29	29	31	31	29	31	31	31	31	31	31	31	31	30	30	30	30	30	32	32	30	30	30	30	30	31	31	32	30	32	29	29	32	29	29	32	
Interconnection		11	21	37	38	17	53	17	46	34	47	43	25	12	52	40	39	9	4	-3	22	44	50	31	28	35	63	64	3	0	60	128	133	99	66	89	45	52	37	37	9	14	30	60	50	68	57	64	55	
Total Demand		16848	16343	15994	15668	15308	15102	14833	14632	14394	14260	14236	14198	14465	14613	14385	14398	14852	16000	16592	17034	17428	17852	18101	18208	18046	17935	17927	18429	18801	19293	19465	19724	19869	19736	19328	18636	18297	17749	17998	18831	19030	19103	19148	19054	18805	18766	18476	18112	
SRev ST-Coal		220	151	156	179	174	188	177	300	319	329	331	304	363	328	337	330	330	184	185	214	197	258	189	179	189	194	200	194	116	184	183	199	173	243	209	172	250	284	165	181	171	106	190	188	185	177	184	180	
SRev CCGT-Gas		461	496	629	933	1265	1429	1748	1789	2030	2147	2218	2260	2050	1896	2212	2259	2062	1216	952	607	399	223	295	300	536	810	770	585	568	243	336	247	274	274	516	449	429	658	612	255	244	244	241	264	273	288	351	428	
SRev ST-Gas		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	28	29	29	28	14	-1	0	-1	1	29	28	26	-1	-2	-2	-1	-2	29	28	28	
SRev Co-Gen		0	-1	0	0	0	0	-1	0	0	0	0	0	2	-2	0	0	0	0	0	0	-2	0	-1	0	0	0	0	0	0	1	0	0	0	-1	0	1	2	1	0	0	0	-1	1	-1	0	-1	2	0	
Syncon		802	802	890	890	890	890	890	890	890	739	890	739	890	890	890	890	890	890	890	890	890	890	890	890	890	890	739	739	890	890	802	615	277	151	151	151	464	464	651	651	313	151	151	151	151	525	525	802	802
Hydro		246	353	240	230	246	247	247	248	238	385	184	381	183	248	257	261	173	195	300	198	165	164	158	165	308	502	493	190	244	201	199	364	547	546	602	676	672	657	653	564	595	602	653	718	577	581	521	469	
S.Reserve Total		1758	1830	1944	2261	2604	2783	3090	3256	3506	3629	3652	3713	3517	3389	3725	3769	3484	2514	2205	1938	1678	1564	1560	1562	1952	2273	2230	1888	1847	1460	1362	1115	1159	1212	1478	1761	1816	2280	2109	1339	1160	1100	1234	1319	1558	1599	1888	1907	