

Availability at Daily Maximum Demand Hour

ST-Coal	9,292 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,440 MW
Hydro	2,082 MW
Distillate	0 MW
Others	0 MW
Gas	9,211 MW
Co-Gen	0 MW
Total System	22,615 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	18,934 MW
Spinning Reserve	1,137 MW
Maximum Demand	17,752 MW
Net Energy	366,091 MWH
Load Factor	86 %

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	141
CBPS	43
EMPP	260
KLPP	55
NPRI	65
PCGP	84
SKSP	1
SPGP	205
Total Gas	886

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	212,499	58.05 %
LSS	8,698	2.38 %
Hydro	10,589	2.89 %
Gas	134,367	36.70 %
Co-Gen	-580	-0.16 %
Total Generation	365,573	99.86 %
PLTG	-672	-0.18 %
EGAT	6	0.00 %
HVDC	148	0.04 %
Interconnection	-518	-0.14 %
Net Energy	366,091	100.00 %

Fuel Cost

Total Cost:	85,406,206.20 RM
Cost per Unit	23.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,187
Hydro	332
Syncon	643
Thermal	342
Total	2,504

Time	Weather	Temperature
Afternoon	Hot	32
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	16479	15924	15324	14840	14385	14043	13967	13565	12803	13009	13798	14423	14392	14657	15011	15420	15800	15870	15678	16132	17616	17752	17535	17311

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:32:49 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	1	50	185	370	509	744	872	969	1021	962	1027	1052	1171	1178	1053	1028	1090	995	771	705	654	473	285	158	85	1	0	0	0	0	0	0	0	0	0								
ESTL	ESTL	4	0	0	0	0	9	0	0	1	0	0	8	0	0	0	0	1	4	12	5	7	9	3	0	0	17	0	9	3	6	2	7	16	13	12	16	12	5	4	4	9	14	12								
PCUF	CUFG	28	27	27	27	27	26	27	26	27	26	27	26	28	28	26	28	27	26	27	26	26	24	22	22	21	21	21	20	20	20	20	21	21	20	22	20	21	20	20	21	20	20	20	20							
PCUF	CUFK	3	4	2	5	3	3	5	4	2	4	4	3	6	3	2	2	2	3	4	2	4	3	2	2	3	2	2	5	5	2	1	3	3	6	1	4	4	4	5	3	4	4	3	5	3	2	3				
Total NEDA Co-Gen		35	31	29	32	30	30	31	40	28	31	30	31	32	31	38	28	30	29	29	31	28	31	31	36	29	32	32	26	26	26	39	21	34	26	32	23	32	41	37	39	39	37	29	27	30	32	36	35			
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			
Total Generation		16410	16190	15811	15583	15304	15169	14872	14575	14443	14203	14073	14015	13979	13992	13583	12922	12799	12985	13013	13274	13806	14181	14340	14407	14352	14444	14596	14833	15022	15286	15481	15738	15847	15968	16028	15872	15802	15772	16237	17213	17735	17810	17851	17792	17594	17610	17416	17200			
ESTL	ESTL	0	0	-2	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	-52	-52	-51	-52	-48	-50	-52	-50	-47	-46	-45	-45	-47	-43	-41	-43	-44	-49	-48	-54	-53	-57	-57	-57	-60	-60	-60	-65	-64	-68	-67	-70	-66	-69	-66	-68	-68	-65	-65	-66	-62	-61	-57	-50	-49	-50	-50	-51			
Total Franchise Area		-52	-52	-53	-52	-48	-50	-52	-50	-47	-46	-45	-45	-47	-43	-41	-43	-44	-58	-48	-54	-53	-57	-57	-57	-60	-60	-60	-65	-64	-68	-67	-70	-66	-69	-66	-68	-68	-65	-65	-66	-62	-61	-57	-50	-49	-50	-50	-51			
Singapore		-119	-102	-163	-89	-65	55	-18	33	13	14	-12	-30	-33	12	-20	-47	-45	-51	-42	-76	-42	-123	-138	-77	-98	-82	-118	-98	-50	-50	-3	43	-16	-56	95	76	59	-15	13	-74	30	29	16	50	-16	15	28	40			
Thailand		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	29	29	30	29	30	32	29	30	30	31			
Interconnection		-118	-102	-163	-89	-65	55	-17	33	14	14	-12	-30	-32	12	-20	-47	-45	-51	-41	-76	-42	-123	-137	-77	-97	-82	-118	-98	-50	-49	-3	43	-16	-56	95	76	59	-15	43	-45	60	59	45	82	13	45	58	71			
Total Demand		16479	16243	15924	15623	15324	15067	14840	14495	14385	14146	14043	14003	13967	13940	13565	12929	12803	12981	13009	13299	13798	14250	14423	14430	14392	14469	14657	14869	15011	15270	15420	15628	15800	15958	15870	15731	15678	15725	16132	17195	17616	17693	17752	17663	17535	17518	17311	17081			
SRev ST-Coal		160	130	135	216	181	159	214	203	171	217	422	415	425	378	473	699	716	659	637	592	586	562	495	475	435	683	666	625	511	233	163	171	144	187	164	168	173	184	177	143	154	192	181	169	189	212	171	195			
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	4	2	5	5	0	0	0	0	0			
SRev CCGT-Gas		761	713	579	643	879	1037	1280	1650	1750	1956	1867	1933	1923	1807	1943	2188	2276	2275	2209	2188	1973	1957	1946	1939	2105	1818	1700	1442	1417	1600	1657	1285	987	825	692	804	992	1070	709	225	195	210	178	228	280	182	330	366			
SRev Co-Gen		3	2	0	-1	-3	-1	1	0	-1	-1	1	-4	-1	-2	0	-1	1	0	-3	0	0	-1	-1	0	0	0	0	0	0	0	-1	-2	0	0	0	0	0	0	-1	0	0	-3	1	0	0	1	-1	1			
Syncon		791	791	791	791	892	892	892	892	892	741	892	892	741	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	741	892	791	126	126	126	126	428	428	615	577
Hydro		197	206	177	238	213	212	212	209	211	353	213	214	303	171	166	174	186	184	178	174	126	129	320	172	179	293	298	167	168	166	168	162	167	121	167	170	162	264	122	214	638	655	646	695	426	487	470	309			
S.Reserve Total		1912	1842	1682	1887	2162	2299	2599	2954	3023	3266	3395	3450	3391	3246	3474	3952	4071	4010	3913	3846	3577	3539	3501	3478	3611	3535	3405	3126	2988	2891	2879	2508	2190	2025	1915	2034	2219	2259	1899	1373	1117	1182	1137	1223	1323	1310	1585	1448			