

Availability at Daily Maximum Demand Hour

ST-Coal	9,251 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,387 MW
Distillate	0 MW
Others	0 MW
Gas	9,197 MW
Co-Gen	0 MW
Total System	22,765 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
Total Gas	0	Total	0

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	20,660 MW
Spinning Reserve	1,629 MW
Maximum Demand	19,234 MW
Net Energy	418,410 MWH
Load Factor	91 %

Total Gas Required **0**

Generation Mix

Type	MWh	Percentage
ST-Coal	214,962	51.38 %
LSS	9,243	2.21 %
Hydro	26,036	6.22 %
Distillate	2,045	0.49 %
Gas	160,800	38.43 %
Co-Gen	333	0.08 %
Total Generation	413,419	98.81 %
PLTG	453	0.11 %
HVDC	-5,444	-1.30 %
Interconnection	-4,991	-1.19 %
Net Energy	418,410	100.00 %

Fuel Cost

Total Cost:	101,311,188.42 RM
Cost per Unit	24.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	888
Hydro	375
Syncon	370
Thermal	115
Total	1,748

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	18163	17149	16447	15942	15500	15382	15285	15095	15317	16684	17272	17754	17561	17665	18736	19211	19222	18620	17823	17831	18772	19165	18872	18592

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:59:56 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 Hydro		1028	987	896	896	874	879	880	882	883	880	880	880	881	881	830	828	909	1001	1022	1022	1023	1023	1092	1052	1052	956	956	883	1062	1261	1265	1103	1123	1200	1138	1141	1037	1194	1032	1261	1536	1781	1710	1589	1401	1287	1282	1102			
PLPS	GT13	139	140	140	139	140	141	140	139	140	140	142	141	140	134	133	133	133	134	133	134	135	133	134	133	134	133	133	134	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		139	140	140	139	140	141	140	139	140	140	142	141	140	134	133	133	133	134	133	134	135	133	134	133	134	133	133	134	132	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	18	142	362	569	755	905	1071	1135	1206	1198	1164	1217	1211	1080	1111	1000	990	875	782	699	484	312	150	40	1	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	27	30	24	24	22	17	27	18	15	20	22	23	29	31	28	22	22	27	20	21	20	16	26	19	17	27	19	12	26	20	9	22	22	22	26	15	13	12	22	21	12	23	13	16	20	26	25	17			
PCUF	CUFG	21	20	21	21	21	21	21	22	21	22	21	22	21	22	21	19	18	14	14	10	10	10	8	6	4	5	5	5	5	5	6	14	19	19	19	19	19	19	19	20	19	20	19	18	18	19	21	19			
PCUF	CUFK	29	30	29	27	31	28	29	29	30	30	31	29	26	32	31	30	31	29	29	29	29	29	30	29	29	29	30	31	30	29	29	29	30	30	29	29	29	31	31	30	30	29	30	29	29	28	0	30			
Total NEDA Co-Gen		77	80	74	72	74	66	77	68	67	71	75	73	77	84	81	73	74	75	67	64	63	56	65	58	54	62	53	48	61	54	43	56	58	66	74	63	61	62	72	71	61	72	62	63	67	73	46	66			
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	0
Total Generation		17939	17329	16976	16618	16224	16054	15756	15449	15327	15241	15174	15084	15127	15146	14786	14562	15069	15922	16445	16711	17036	17295	17538	17595	17383	17373	17460	18109	18596	18986	19079	19100	19125	19120	18632	18227	17724	17611	17723	18312	18742	19150	19106	19044	18816	18620	18414	18197			
KHTC	BLK1	-41	-40	-42	-43	-40	-39	-37	-35	-34	-32	-34	-35	-39	-35	-37	-41	-44	-46	-47	-47	-49	-53	-56	-59	-60	-64	-64	-67	-70	-72	-73	-73	-83	-76	-74	-72	-63	-64	-63	-61	-53	-52	-53	-52	-53	-50	-53				
PCUF	CUFK	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	-2	0	
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-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	0	0	0	
Total Franchise Area		-41	-40	-42	-43	-40	-39	-37	-35	-34	-32	-34	-35	-39	-35	-37	-41	-44	-46	-47	-47	-49	-54	-57	-59	-60	-64	-64	-67	-70	-72	-73	-73	-83	-76	-74	-72	-63	-64	-63	-61	-53	-52	-53	-52	-53	-52	-53	-50	-53		
Singapore		-18	-25	31	29	-16	23	21	15	40	45	7	23	55	-60	-97	-45	-42	-35	-36	-41	-33	-34	-20	-9	12	-22	-19	-38	41	54	44	43	79	198	184	108	78	5	44	68	12	59	-10	21	37	53	18	61			
Thailand		-244	-245	-243	-244	-244	-245	-244	-245	-246	-245	-246	-245	-244	-247	-243	-244	-245	-243	-245	-246	-245	-245	-245	-244	-246	-244	-244	-243	-244	-245	-245	-246	-243	-245	-244	-247	-212	-100	-100	-99	-99	-97	-142	-247	-245	-247					
Interconnection		-262	-269	-212	-215	-260	-222	-222	-230	-205	-202	-237	-222	-190	-305	-341	-292	-285	-279	-281	-284	-279	-280	-266	-253	-233	-266	-265	-283	-203	-190	-200	-203	-166	-48	-60	-137	-167	-242	-169	-31	-88	-39	-108	-76	-105	-194	-227	-186			
Total Demand		18163	17561	17149	16793	16447	16239	15942	15645	15500	15412	15382	15275	15285	15415	15095	14821	15317	16161	16684	16952	17272	17530	17754	17795	17561	17583	17665	18332	18736	19110	19211	19234	19222	19089	18620	18294	17823	17794	17831	18283	18772	19139	19165	19070	18872	18764	18592	18333			
SRev ST-Coal		153	164	176	171	156	166	173	165	164	178	155	165	259	257	234	205	178	205	182	165	120	-23	-22	116	82	45	45	38	123	134	165	120	140	130	129	161	121	124	112	132	136	129	148	118	107	122	201	197			
SRev CCGT-Gas		851	550	504	639	1029	1187	1489	1796	1920	1993	2089	2166	2014	1942	2150	2316	2142	1726	1445	1380	1251	1292	1191	1157	1400	1293	1686	1185	844	901	1105	870	812	679	851	901	1016	1277	1015	645	475	330	274	246	301	409	504	605			
SRev Distillate		4	3	3	4	3	2	3	4	3	3	1	2	3	9	10	10	10	9	10	9	8	10	9	10	9	10	10	9	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		0	1	1	1	0	0	2	0	0	0	0	0	-1	1	-3	0	-1	0	0	0	0	0	3	2	0	0	0	-4	0	0	0	2	0	-1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802
Hydro		585	376	192	192	64	59	58	56	55	58	58	58	57	57	108	110	109	97	227	227	226	226	227	187	187	283	283	226	421	373	369	511	491	689	626	623	596	569	580	601	326	437	508	442	443	557	562	543			
S.Reserve Total		2395	1896	1678	1809	2054	2216	2527	2823	2944	3034	3105	3193	3134	3068	3301	3443	3240	2839	2515	2432	2256	2156	2059	2123	2329	2282	2675	2105	1674	1545	1765	1629	1569	1623	1732	1811	2011	2247	2005	1676	1235	1043	1077	1141	1372	1609	1792	1867			