

Availability at Daily Maximum Demand Hour

ST-Coal	10,185 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,387 MW
Distillate	0 MW
Others	0 MW
Gas	9,677 MW
Co-Gen	0 MW
Total System	24,429 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	19,144 MW
Spinning Reserve	1,200 MW
Maximum Demand	17,956 MW
Net Energy	369,110 MWH
Load Factor	86 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	43
CBPS	44
EMPP	288
NPRI	146
PCGP	86
SPGP	208
Total Gas	844

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 844

Generation Mix

Type	MWh	Percentage
ST-Coal	213,684	57.89 %
LSS	9,394	2.55 %
Hydro	14,692	3.98 %
Gas	132,244	35.83 %
Co-Gen	-45	-0.01 %
Total Generation	369,969	100.23 %

PLTG	140	0.04 %
HVDC	719	0.19 %
Interconnection	859	0.23 %
Net Energy	369,110	100.00 %

Fuel Cost

Total Cost:	89,257,046.77 RM
Cost per Unit	24.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	755
Hydro	381
Syncon	743
Thermal	225
Total	2,104

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	30

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	14117	13543	13105	12702	12453	12270	12538	12740	13375	14749	15590	16130	16254	16180	16841	17216	17399	17293	16488	16671	17900	17860	17420	17056

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 20, 2024 11:15:16 AM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Tuesday

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		53	53	52	51	51	50	53	50	49	54	49	52	50	48	49	52	50	48	47	47	48	45	47	48	43	42	45	44	44	41	41	41	41	41	42	42	43	43	42	41	40	46	45	39	40	41	41	42	40
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		14137	13884	13602	13309	13133	12941	12743	12623	12501	12366	12357	12480	12609	12820	12838	12938	13375	14311	14767	15226	15596	16052	16202	16413	16369	16305	16328	16659	17037	17407	17348	17321	17473	17538	17483	17059	16653	16514	16799	17534	18020	17996	17949	17772	17508	17500	17158	16908	
ESTL	ESTL	-6	0	-3	0	-15	-2	0	0	0	0	0	0	-16	-1	0	0	-4	0	-2	-2	-12	0	0	-8	0	-10	0	0	0	0	0	0	0	-8	-9	-12	-1	-14	-12	-8	-10	-23	-5	-8	-21	-13	-20	-11	0
KHTC	BLK1	-31	-31	-31	-32	-32	-33	-30	-28	-29	-30	-27	-28	-29	-27	-29	-29	-31	-34	-36	-42	-43	-41	-47	-47	-49	-50	-46	-52	-58	-53	-54	-58	-58	-58	-59	-58	-55	-55	-55	-51	-47	-50	-49	-48	-46	-45	-45	-45	
Total Franchise Area		-37	-31	-34	-32	-47	-35	-30	-28	-29	-30	-27	-28	-45	-28	-29	-29	-35	-34	-38	-44	-55	-41	-47	-55	-49	-60	-46	-52	-58	-53	-54	-58	-66	-67	-71	-59	-69	-67	-63	-61	-70	-55	-57	-69	-59	-65	-56	-45	
Singapore		-43	-17	-2	-101	-45	-40	-16	41	-8	-17	33	16	-2	12	41	19	-63	30	-47	-75	-77	30	-2	-28	39	52	76	6	110	55	52	-24	-18	-5	93	106	70	-4	36	-9	24	-43	3	-2	4	1	17	0	
Thailand		29	30	30	29	29	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	30	29	29	31	29	29	29	29	29	29	29	29	29	29	29	31	31	31	31	28	29	32	29		
Interconnection		-14	13	28	-72	-16	-9	14	71	22	12	63	46	29	43	72	49	-32	61	-17	-44	-46	60	28	2	69	82	105	37	141	84	81	7	11	24	122	135	99	25	68	22	53	-12	35	29	32	30	49	28	
Total Demand		14117	13843	13543	13352	13105	12918	12702	12527	12453	12327	12270	12409	12538	12752	12740	12863	13375	14219	14749	15229	15590	15954	16130	16359	16254	16166	16180	16573	16841	17273	17216	17259	17399	17450	17293	16868	16488	16425	16671	17454	17900	17956	17860	17677	17420	17408	17056	16938	
SRev ST-Coal		684	680	696	921	941	936	923	921	947	961	928	921	926	914	965	947	911	785	598	626	382	287	220	141	160	173	189	172	207	155	143	148	154	149	143	207	135	149	150	150	156	153	158	155	170	195	193		
SRev CCGT-Gas		235	120	281	60	186	344	502	597	695	815	857	751	540	343	452	810	1203	1443	1540	1385	1490	1346	1428	1536	1579	1616	1640	1295	939	480	506	437	251	258	380	650	860	936	640	202	145	140	164	210	142	140	232	214	
SRev Co-Gen		2	1	0	0	0	4	2	0	0	0	-2	-1	1	0	0	-3	3	0	2	0	-1	0	0	1	1	0	0	-1	2	0	-4	1	-1	0	0	0	0	0	0	0	0	0	-1	0	1	0	1	0	
Syncon		703	552	703	991	804	991	991	991	991	991	991	991	991	991	840	903	991	991	991	840	903	991	991	991	991	991	840	991	991	890	890	739	516	428	516	516	516	516	365	277	428	428	428	277	703	890			
Hydro		277	385	284	128	306	132	197	132	134	132	131	131	199	195	328	209	201	215	215	295	163	159	164	168	170	170	172	302	170	213	263	257	272	278	369	434	430	427	356	572	615	476	496	623	669	804	458	546	
S.Reserve Total		1901	1738	1964	2100	2237	2407	2615	2641	2767	2899	2905	2793	2657	2443	2585	2953	3309	3434	3346	3233	3111	2870	2890	2924	2988	3037	3079	2695	2396	1926	1885	1820	1502	1288	1407	1894	2028	2115	1749	1289	1187	1200	1240	1419	1395	1391	1589	1843	