

### Availability at Daily Maximum Demand Hour

ST-Coal	8,581 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,606 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,554 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	18,805 MW
Spinning Reserve	1,325 MW
Maximum Demand	17,511 MW
Net Energy	373,576 MWH
Load Factor	89 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
TJGS	170		
CBPS	44		
EMPP	253		
KLPP	57		
PCGP	79		
PLPS	43		
SKSP	46		
SPGP	185		
<b>Total Gas</b>	<b>907</b>		

### Alternate Fuel Usage

### Generation Mix

Type	MWh	Percentage
ST-Coal	200,416	53.65 %
LSS	6,997	1.87 %
Hydro	30,938	8.28 %
Gas	134,304	35.95 %
Co-Gen	286	0.08 %
<b>Total Generation</b>	<b>372,941</b>	<b>99.83 %</b>
PLTG	45	0.01 %
HVDC	-680	-0.18 %
<b>Interconnection</b>	<b>-635</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>373,576</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	84,021,049.99 RM
Cost per Unit	22.48 cents/kWH

**Total Gas Required 907**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	873
Hydro	462
Syncon	356
Thermal	240
<b>Total</b>	<b>1,931</b>

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Rainy	26

### 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	15103	14358	13886	13486	13082	12953	13415	13650	13927	15268	15863	16330	16175	15986	16663	17235	17455	17193	16394	16366	17511	17370	16838	16492

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:25:42 AM

(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																									
ESTL	ESTL	7	0	13	18	16	8	12	0	17	14	12	12	12	10	10	18	20	16	22	17	18	23	22	24	17	22	25	26	26	27	24	18	18	16	14	19	16	18	16	21	14	0	10	11	3	1	14	14	
PCUF	CUFG	19	4	4	3	4	4	3	4	3	4	3	4	3	3	5	4	3	5	3	2	4	3	4	3	4	4	16	18	19	19	17	18	18	18	19	19	19	19	17	18	3	4	3	3	3				
PCUF	CUFK	14	4	4	4	2	6	4	3	4	3	2	3	4	4	3	3	6	3	4	3	29	29	28	28	30	27	28	30	30	30	30	29	31	30	31	30	30	30	29	31	30	31	30	29	28	31	29	29	
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total NEDA Co-Gen		46	14	27	31	28	24	25	13	30	27	22	25	25	24	22	30	37	29	35	31	56	60	60	61	57	56	61	66	65	67	63	71	72	72	69	72	70	72	69	77	69	56	63	64	40	42	52	52	
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		15129	14723	14356	14064	13884	13682	13517	13255	13084	13019	12961	13149	13393	13666	13650	13667	13914	14790	15251	15542	15839	16103	16294	16387	16170	16093	16009	16308	16653	17077	17271	17435	17503	17354	17201	16802	16425	16234	16363	17388	17518	17492	17378	17184	16867	16685	16509	16143	
KHTC	BLK1	-27	-27	-23	-25	-29	-28	-29	-24	-21	-23	-21	-20	-21	-22	-20	-21	-22	-25	-29	-31	-34	-33	-36	-42	-43	-46	-49	-51	-51	-50	-53	-56	-56	-55	-54	-55	-49	-47	-41	-42	-41	-40	-37	-37	-36	-36	-34	-34	
Total Franchise Area		-27	-27	-23	-25	-29	-28	-29	-24	-21	-23	-21	-20	-21	-22	-20	-21	-22	-25	-29	-31	-34	-33	-36	-42	-43	-46	-49	-51	-51	-50	-53	-56	-56	-55	-54	-55	-49	-47	-41	-42	-41	-40	-37	-37	-36	-36	-34	-34	
Singapore		30	3	6	-7	1	26	33	23	12	20	18	4	-12	44	11	14	-3	13	-14	-53	-26	-46	-40	10	-17	25	5	-35	-29	12	14	44	23	-28	-14	-13	15	-21	-12	-15	-3	-1	3	26	24	-14	15	18	
Thailand		-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
Interconnection		2	-26	-22	-35	-28	-2	5	-6	-16	-8	-10	-24	-40	16	-17	-14	-31	-16	-42	-81	-54	-74	-68	-18	-45	-3	-23	-63	-57	-17	-14	15	-5	-57	-42	-41	-14	-50	-41	-44	-31	-29	-26	-3	-4	-42	-14	-10	
Total Demand		15103	14725	14358	14077	13886	13659	13486	13240	13082	13007	12953	13156	13415	13631	13650	13663	13927	14785	15268	15596	15863	16148	16330	16366	16175	16054	15986	16323	16663	17047	17235	17367	17455	17359	17193	16792	16394	16241	16366	17393	17511	17484	17370	17153	16838	16694	16492	16122	
S.Rev ST-Coal		237	300	415	390	389	386	387	494	487	493	508	496	523	452	431	448	416	347	281	279	279	279	348	322	276	298	255	214	211	203	203	201	211	197	210	206	208	198	206	200	231	203	220	204	219	285	253	245	
S.Rev CCGT-Gas		2060	2163	2379	2580	2761	2955	3013	2962	2895	2950	2991	2888	2853	2882	2856	2833	2682	1986	1734	1600	1504	1371	1026	1118	1509	1565	1650	1386	1177	904	636	561	369	388	450	684	1023	1232	1012	442	326	352	443	582	546	618	673	817	
S.Rev Co-Gen		-1	0	0	0	1	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		313	313	313	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Hydro		223	281	280	191	189	194	304	342	413	414	417	413	415	231	289	289	286	289	288	286	230	293	415	521	503	505	504	503	511	585	572	395	515	576	521	526	297	416	424	695	642	657	670	404	200	346	356	264	
S.Reserve Total		2832	3057	3387	3661	3840	4035	4205	4298	4295	4357	4416	4297	4291	4065	4076	4070	3884	3122	2803	2665	2514	2442	2289	2274	2601	2682	2722	2416	2211	2005	1722	1470	1408	1474	1495	1731	2028	2346	2142	1463	1325	1337	1459	1654	1580	1865	1897	1940	