

### Availability at Daily Maximum Demand Hour

ST-Coal	10,616 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,450 MW
Distillate	0 MW
Others	0 MW
Gas	9,412 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,408 MW</b>

### 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:	16:30:00 Hour
Total Set On Bus	20,677 MW
Spinning Reserve	1,241 MW
Maximum Demand	19,370 MW
Net Energy	417,311 MWH
Load Factor	90 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
SRDG	8		
TJGS	179		
CBPS	46		
EMPP	271		
NPRI	68		
PCGP	83		
SGRI	3		
SKSP	49		
SPGP	193		
<b>Total Gas</b>	<b>928</b>		

### Alternate Fuel Usage

### Generation Mix

Type	MWh	Percentage
ST-Coal	252,457	60.50 %
LSS	9,952	2.38 %
Hydro	14,807	3.55 %
Gas	140,975	33.78 %
Co-Gen	-425	-0.10 %
<b>Total Generation</b>	<b>417,766</b>	<b>100.11 %</b>
PLTG	-276	-0.07 %
HVDC	731	0.18 %
<b>Interconnection</b>	<b>455</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>417,311</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	95,024,787.38 RM
Cost per Unit	22.67 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	873
Hydro	425
Syncon	701
Thermal	187
<b>Total</b>	<b>2,186</b>

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	17966	17222	16464	15935	15416	15252	15216	14957	14928	16303	17027	17543	17571	17491	17962	19058	19287	18954	18161	18048	18935	19271	18981	18814

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:27:22 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator

### Daily MW Generation on Friday

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	
JMAH	U001	696	690	697	695	695	696	694	696	697	696	694	697	695	695	696	696	695	696	694	696	696	696	698	696	696
JMAH	U002	692	700	694	695	697	694	693	697	695	695	697	694	698	696	696	692	696	696	695	694	695	693	695	696	696
JMHE	U001	927	924	928	925	925	927	926	926	927	925	928	927	929	930	927	926	930	926	928	928	927	927	928	928	928
JMHE	U002	969	973	975	977	976	978	979	976	975	979	979	978	982	978	977	979	981	980	979	978	979	981	980	981	980
JMJG	U001	673	666	666	676	674	673	673	677	677	659	677	679	668	662	673	678	663	679	673	672	672	671	681	670	668
JMJG	U002	607	597	600	595	564	570	624	679	678	679	679	679	677	679	677	683	678	683	673	671	671	669	676	666	673
JMJG	U003	671	666	670	673	666	672	672	672	666	667	672	667	670	672	668	667	672	670	669	664	667	667	673	671	666
JMJG	U005	976	977	977	980	733	798	882	987	981	980	971	983	978	974	976	977	978	976	977	978	982	981	980	980	977
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15	38	62	69	78	0	0	0	0	0
PKLG	U004	275	279	276	274	274	276	271	270	272	276	277	279	275	274	272	275	275	276	272	275	277	274	273	277	274
PKLG	U005	468	466	468	469	470	468	459	468	467	470	469	466	466	470	469	431	407	465	470	466	468	468	468	466	468
PKLG	U006	468	467	469	468	465	462	465	464	465	468	464	463	464	465	464	464	467	469	468	457	467	465	467	467	465
TBIN	U001	690	690	691	690	689	690	690	689	691	689	689	690	691	691	689	690	690	689	688	689	689	689	689	691	690
TBIN	U002	689	689	693	691	691	691	690	693	692	692	691	689	693	692	687	687	694	699	689	691	690	691	683	692	691
TBIN	U003	682	684	688	688	687	688	683	689	690	686	684	685	688	686	688	685	686	687	685	690	687	682	686	687	688
TBIN	U004	982	983	983	984	983	983	984	982	982	983	981	983	984	984	982	982	984	982	983	983	983	981	984	983	981
Total ST-Coal		10465	10451	10475	10480	10189	10266	10385	10565	10555	10544	10552	10559	10559	10551	10538	10520	10494	10570	10544	10530	10552	10544	10571	10582	10606
Total ST-Oil		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 ST-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
CBPS	BLK2	361	361	361	212	220	222	221	222	222	222	221	221	222	222	222	222	222	222	222	222	222	222	222	222	222
EMPP	BLK1	696	722	707	712	680	605	489	409	406	410	413	411	411	404	402	362	371	373	374	421	473	538	568	585	627
EMPP	BLK2	698	725	706	713	680	607	492	408	407	410	409	410	409	405	403	363	372	375	376	425	471	537	565	581	624
EMPP	BLK3	701	726	708	712	680	605	490	408	407	410	409	410	409	404	404	362	372	375	375	423	473	537	565	582	624
GLGR	BLK1	133	132	131	132	132	134	132	132	132	134	132	133	132	133	133	133	134	133	131	132	133	132	131	131	130
NPRI	BLK2	509	520	514	515	439	407	355	322	320	325	329	324	325	319	317	311	320	359	325	329	330	327	330	329	328
PCGP	BLK1	579	603	585	589	599	602	603	491	427	393	402	392	395	389	390	390	391	407	598	604	601	598	602	601	599
SGRI	BLK1	285	169	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKSP	BLK1	304	217	220	220	217	219	218	217	217	217	219	217	218	217	220	218	217	219	221	219	218	218	219	216	217
SPGP	BLK1	696	710	698	703	711	713	711	703	591	594	498	494	496	490	363	359	359	548	712	711	710	706	706	705	697
SPGP	BLK2	688	706	692	700	707	708	707	698	592	594	498	493	496	491	437	360	360	548	697	705	705	701	699	700	698
TJGS	BLK1	674	685	548	410	404	405	407	408	405	407	406	406	406	396	401	388	404	400	404	405	408	405	404	401	205
TJGS	BLK2	681	589	451	451	450	446	447	451	451	451	452	451	451	451	450	451	451	451	451	450	451	451	451	452	449
Total CCGT-Gas		7005	6865	6486	6078	5919	5673	5272	4869	4577	4567	4389	4364	4369	4321	4142	3919	3973	4410	4886	5047	5194	5372	5462	5507	5422
SRDG	GT04	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
SRDG	GT05	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 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
BSIA	HYDR	22	11	11	11	11	11	22	22	11	11	11	11	11	11	11	11	11	11	11	11	11	22	22	22	22
CEND	HYDR	30	27	27	27	27	27	31	37	36	36	36	36	36	31	31	30	31	31	31	31	31	31	31	31	31
HTRG	PUAH	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HYDR	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNYR	HYDR	165	164	165	165	216	212	214	172	168	169	174	172	165	172	166	166	166	213	171	220	211	212	213	208	209
MHDY	MHDY	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
PGAU	HYDR	-3	-3	-3	-3	17	-3	-3	17	-3	-3	17	-3	16	-3	-3	-3	-3	-3	-3	20	20	20	-3	-3	-3
SIHY	HYDR	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HYDR	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HYDR	60	31	29	31	31	31	31	30	30	31	31	30	31	30	27	30	31	31	31	31	31	31	31	31	31
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2

### Daily MW Generation on Friday

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		481	278	277	279	350	326	328	309	302	303	297	314	288	313	283	280	282	331	289	338	352	353	354	326	327	329	331	333	358	450	700	762	1001	1205	973	737	571	481	606	984	1479	1595	1547	1506	1373	1320	1320	1238					
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	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 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	0	0
ESTL	ESTL	14	10	19	20	20	15	15	8	17	22	17	8	17	17	17	28	28	22	22	17	12	15	15	15	17	13	1	8	5	15	17	1	14	0	13	14	15	0	7	4	12	12	11	18	17	18	7	13					
PCUF	CUFK	23	23	22	22	23	22	22	22	23	24	22	23	24	24	24	22	22	22	22	21	22	22	20	20	21	20	21	21	20	19	20	19	18	18	20	18	21	20	20	21	20	20	21	20	21	19	20	22	21				
PCUF	CUFK	10	9	9	9	9	10	9	8	10	8	12	10	10	9	10	10	11	10	8	9	8	6	6	4	5	5	2	5	3	2	3	2	3	3	3	4	5	7	6	5	6	5	6	5	6	8	8	9	9	9			
PFTZ	PFTZ	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	0	
Total NEDA Co-Gen		47	42	50	51	52	47	46	38	49	53	53	40	50	51	52	63	63	54	52	48	41	43	43	39	42	39	23	34	29	37	39	23	36	21	34	38	38	28	33	29	39	37	37	47	44	47	38	43					
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	0	0
Total Generation		17998	17636	17288	16888	16510	16312	16031	15781	15483	15467	15291	15277	15266	15236	15015	14809	14977	15738	16358	16761	17064	17296	17571	17688	17647	17631	17607	17746	18051	18853	19188	19231	19399	19511	19119	18751	18280	18036	18120	18475	18979	19307	19329	19252	19076	19014	18914	18689					
KHTC	BLK1	-54	-56	-54	-53	-52	-56	-51	-51	-49	-48	-44	-47	-43	-46	-46	-47	-45	-52	-55	-57	-62	-63	-63	-64	-64	-64	-65	-70	-70	-82	-83	-81	-79	-79	-76	-74	-75	-69	-65	-63	-59	-58	-58	-56	-55	-57	-55	-55					
Total Franchise Area		-54	-56	-54	-53	-52	-56	-51	-51	-49	-48	-44	-47	-43	-46	-46	-47	-45	-52	-55	-57	-62	-63	-63	-64	-64	-64	-65	-70	-70	-82	-83	-81	-79	-79	-76	-74	-75	-69	-65	-63	-59	-58	-58	-56	-55	-57	-55	-55					
Singapore		-50	-24	-14	-11	-35	-3	16	9	-10	2	-32	-21	-20	1	-16	-6	-22	-54	-18	-26	-50	-62	-60	-60	-15	3	26	-12	-8	7	20	-6	7	37	62	63	17	-41	-19	-44	-42	-27	-28	-27	12	1	19	14					
Thailand		31	31	29	31	31	29	31	31	32	29	30	29	30	29	31	31	31	31	31	32	29	29	29	29	31	31	29	29	31	31	31	31	30	30	31	32	31	29	29	30	30	29	31	31	32	31	30	30					
Interconnection		-19	8	15	20	-3	27	48	40	21	31	-2	9	10	30	15	25	9	-23	13	5	-21	-33	-31	-32	16	34	55	18	23	38	51	24	37	66	93	95	48	-12	10	-14	-12	2	3	5	43	32	48	44					
Total Demand		17966	17575	17222	16818	16464	16232	15935	15693	15416	15391	15252	15224	15216	15163	14957	14741	14928	15715	16303	16712	17027	17270	17543	17660	17571	17537	17491	17662	17962	18737	19058	19130	19287	19370	18954	18586	18161	17983	18048	18429	18935	19250	19271	19194	18981	18928	18814	18593					
SRev ST-Coal		171	185	161	156	250	250	311	151	171	182	174	167	167	175	188	206	214	156	182	196	174	232	205	194	200	201	200	193	157	158	192	175	226	198	177	147	197	198	174	168	180	184	163	184	177	179	189	180					
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	0	0	0	55	8	4	3	3	0	0				
SRev CCGT-Gas		538	459	838	1030	1189	1435	1836	2239	2531	2541	2719	2744	2739	2787	2966	3189	3135	2698	2222	2061	1914	1736	1646	1601	1686	1727	1748	1500	1165	425	250	264	198	176	204	213	277	245	217	206	193	172	170	199	247	257	215	246					
SRev Co-Gen		0	0	-2	0	0	0	-3	1	-2	0	0	1	-1	-1	0	0	0	-1	-2	0	0	-1	0	0	0	-2	0	-1	-2	0	-1	0	2	0	0	0	1	0	0	0	-1	0	2	0	-1	0	0	0					
Syncon		1142	1230	1230	1230	1079	1230	1230	1079	1230	1230	1079	1230	1079	1230	1230	1230	1230	1230	1230	1079	1079	1079	1230	1230	1230	1230	1230	1079	1079	552	401	214	126	313	552	942	1129	942	703	365	214	214	401	401	401	401	401						
Hydro		374	228	229	227	307	180	178	348	239	238	220	354	229	355	234	237	235	186	228	179	316	315	314	191	190	188	186	184	310	218	495	584	642	741	721	718	546	449	511	571	414	513	561	602	548	601	601	583					
S.Reserve Total		2225	2102	2456	2643	2825	3095	3552	3818	4169	4191	4343	4345	4364	4395	4618	4862	4814	4269	3860	3666	3483	3361	3244	3216	3306	3344	3364	3106	2709	1880	1488	1424	1282	1241	1415	1630	1963	2021	1844	1648	1151	1138	1118	1203	1375	1441	1406	1410					