

Daily System Generation Summary on Tuesday

Tuesday, July 19, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
Total TNB	2,454 MW
Total IPP	19,618 MW
Total Co-Gen	0 MW
Total System	25,415 MW

Generation Mix

Type	MWh	Percentage
Hydro	29,151	7.43 %
Gas	35,478	9.04 %
Total TNB	64,629	16.47 %
ST-Coal	237,146	60.42 %
LSS	3,394	0.86 %
Distillate	649	0.17 %
Gas	86,075	21.93 %
Total IPP	327,264	83.38 %
Co-Gen	382	0.10 %
Total Co-Gen	382	0.10 %
Total Generation	392,275	99.95 %
PLTG	2,132	0.54 %
HVDC	-2,341	-0.60 %
Interconnection	-209	-0.05 %
Net Energy	392,484	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,360 MW
TNB Generation	3,495 MW
IPP Generation	14,663 MW
Spinning Reserve	1,170 MW
Maximum Demand	18,220 MW
Net Energy	392,484 MWH
Load Factor	89.76 %

Fuel Cost

Total Cost:	143,584,306.40 RM
Cost per Unit	36.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	990
Hydro	373
Syncon	344
Thermal	120
Total	1,827

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	87
Total TNB	117
CBPS	45
EMPP	271
NPRI	136
PCGP	70
PLPS	38
SKSP	1
SPGP	130
Total IPP	691
Total Gas	808
Total Gas Required	816

Alternate Fuel Usage

Station	(mmscfd)
PLPS	8
Total	8

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	16492	15780	15182	14724	14275	14040	14137	14104	14449	16092	17009	17330	17177	16938	17691	18112	18220	17851	16671	16673	17649	17654	17208	16812

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 10:38:09 PM
(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																									
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	12	14	13	19	21	22	26	32	31	23	32	12	18	7	3	3	0	1	1	0	0	0	0	0	0	0	0	0				
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	20	7	3	3	3	3	3	3	3	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	7	7	12	30	30	19	23	30	27	17	30	22	29	25	24	17	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	10	65	147	249	254	322	391	429	569	522	484	529	494	448	418	329	327	217	184	159	126	73	36	13	4	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	8	6	7	6	4	5	5	6	6	6	5	5	6	5	5	6	6	5	5	6	6	5	5	7	6	5	5	5	5	6	6	5	6	5	6	5	5	6	6	5	4	5	7	6	6	6			
PCUF	CUFK	6	4	7	6	4	5	5	6	4	5	5	5	4	4	4	4	5	5	5	4	4	4	5	3	4	15	27	27	26	28	26	27	27	26	26	27	26	26	26	5	5	4	4	5	5	4	5		
Total Co-Gen		14	10	14	12	8	10	10	12	10	11	10	10	9	10	9	10	11	12	10	10	9	7	10	11	8	9	22	33	32	31	33	32	33	32	32	31	33	31	31	11	11	9	8	10	12	10	11		
Total Gen		16516	16010	15708	15402	15206	14922	14746	14506	14287	14172	14033	14027	14118	14283	14073	13999	14435	15496	16041	16597	16987	17159	17364	17374	17141	16957	16897	17241	17671	18039	18104	18206	18190	18179	17853	17215	16699	16440	16665	17359	17631	17774	17692	17572	17250	17047	16837	16361	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-97	-99	-98	-98	-97	-97	-97	-97	-97	-97	-98	-99	-97	-97	-97	-97	-97	-98	-98	-98	-98	-98	-98	-98	-98	-97	-98	-98	-98	-98	-97	-98	-98	-97	-97	-99	-96	-99	-97	-96	-97	-97	-96	-97	-96	-97	-99		
TIE-PLTG		122	61	27	74	120	98	119	47	109	61	91	72	78	94	66	26	83	87	47	34	76	58	132	79	61	58	57	42	77	82	91	108	68	98	100	142	125	84	91	77	81	133	134	174	139	98	122	162	
Interconnection		24	-38	-72	-24	24	1	22	-50	12	-36	-7	-27	-19	-3	-31	-73	-14	-10	-51	-63	-22	-40	34	-20	-36	-39	-41	-56	-20	-16	-8	10	-30	1	2	44	28	-12	-8	-20	-18	36	38	77	42	2	25	62	
System Total		16492	16048	15780	15426	15182	14921	14724	14556	14275	14208	14040	14054	14137	14286	14104	14072	14449	15506	16092	16660	17009	17199	17330	17394	17177	16996	16938	17297	17691	18055	18112	18196	18220	18178	17851	17171	16671	16452	16673	17379	17649	17738	17654	17495	17208	17045	16812	16299	
SRev ST-Coal		191	94	168	88	132	134	328	357	345	408	404	430	428	448	432	431	401	195	107	83	92	74	72	73	133	106	108	145	126	147	128	147	119	132	188	130	126	137	125	139	146	135	121	127	131	132	122	108	
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	0	0	0	0	0	0	0
SRev CCGT-Gas		1814	2503	2578	2811	2852	2763	2824	2805	2848	2876	2934	2899	2906	2820	2977	2917	2826	2604	2317	1796	1500	1402	1272	1417	1607	1793	1918	1538	993	597	466	475	411	396	630	1189	1599	1810	1573	989	690	558	653	723	908	1117	1337	1823	
SRev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		-1	-10	-9	19	-4	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		374	374	374	462	462	462	462	462	550	550	550	550	462	374	374	462	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	187	187	187	374	374	374	374	374	374	374	374	374	374	374	374	374	374	
Hydro		343	349	305	340	340	339	338	354	321	287	320	284	298	288	355	470	555	376	391	383	348	360	323	360	357	341	320	333	383	364	359	456	453	454	361	356	312	314	313	330	326	326	325	368	393	398	396	401	
S.Reserve Total		2721	3310	3416	3720	3782	3834	3952	3978	4064	4121	4208	4163	4094	3930	4138	4280	4156	3549	3189	2636	2314	2210	2041	2224	2471	2614	2720	2390	1876	1482	1327	1265	1170	1169	1553	2049	2411	2635	2385	1832	1536	1393	1473	1592	1806	2021	2229	2706	