

Daily System Generation Summary on Tuesday

Tuesday, March 14, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,774 MW
Distillate	0 MW
Total TNB	1,774 MW
Total IPP	18,203 MW
Total Co-Gen	0 MW
Total System	23,685 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,570	3.69 %
Gas	62,868	17.10 %
Total TNB	76,438	20.79 %
ST-Coal	193,300	52.56 %
LSS	7,611	2.07 %
Gas	89,469	24.33 %
Total IPP	290,380	78.96 %
Co-Gen	717	0.19 %
Total Co-Gen	717	0.19 %
Total Generation	367,535	99.94 %
PLTG	1,482	0.40 %
HVDC	-1,700	-0.46 %
Interconnection	-218	-0.06 %
Net Energy	367,753	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:	16:30:00 Hour
Total Set On Bus	18,871 MW
TNB Generation	3,702 MW
IPP Generation	13,460 MW
Spinning Reserve	1,684 MW
Maximum Demand	17,163 MW
Net Energy	367,753 MWH
Load Factor	89.28 %

Fuel Cost

Total Cost:	98,875,963.09 RM
Cost per Unit	26.90 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	526
Hydro	325
Syncon	534
Thermal	833
Total	2,218

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	177

Total TNB 206

EMPP	303
NPRI	148
PCGP	88
SKSP	29
SPGP	209

Total IPP 777

Total Gas 983

Total Gas Required 983

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	15290	14457	13854	13502	13006	12869	13028	13273	13512	15014	15667	15998	15943	15764	16454	16933	17105	16941	16005	15910	17075	16977	16468	16128

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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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		
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	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	
Total Co-Gen		38	34	34	36	28	26	29	27	31	39	34	33	34	26	26	30	30	31	28	28	32	30	32	32	30	30	30	29	27	27	29	28	31	25	22	26	29	25	29	32	27	52	26	27	29	25	27	26	
Total Gen		15250	14840	14401	14051	13893	13683	13472	13130	13006	13010	12855	12927	12991	13147	13242	13335	13512	14455	14954	15325	15636	15866	15959	16084	15941	15765	15761	16175	16462	16831	16879	16958	17076	17187	16987	16587	16093	15824	15914	16778	17051	17112	16961	16762	16494	16440	16114	15759	
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	0	
TIE-HVDC		-28	-28	-31	-30	-29	-28	-28	-30	-28	-29	-29	-29	-29	-29	-49	-99	-98	-100	-99	-99	-99	-99	-98	-97	-98	-96	-96	-98	-98	-99	-98	-98	-99	-97	-99	-99	-96	-97	-97	-98	-98	-97	-48	-49	-49	-29			
TIE-PLTG		-12	56	-26	-18	68	-6	-3	12	28	4	15	37	-8	2	-2	77	99	107	40	99	68	40	59	81	95	77	94	122	106	23	45	92	68	122	145	182	188	110	100	78	73	113	81	39	73	58	35	32	
Interconnection		-40	28	-56	-49	39	-34	-30	-18	0	-24	-14	8	-37	-27	-31	28	0	9	-60	0	-31	-59	-39	-17	-2	-21	-3	25	8	-76	-54	-7	-29	24	46	85	88	11	4	-19	-24	14	-16	-57	26	9	-14	3	
System Total		15290	14812	14457	14100	13854	13717	13502	13148	13006	13034	12869	12919	13028	13174	13273	13307	13512	14446	15014	15325	15667	15925	15998	16101	15943	15786	15764	16150	16454	16907	16933	16965	17105	17163	16941	16502	16005	15813	15910	16797	17075	17098	16977	16819	16468	16431	16128	15756	
SRev ST-Coal		852	1110	1473	1513	1554	1559	1557	1551	1558	1560	1557	1555	1559	1562	1567	1550	1466	1374	1168	1135	1092	1112	1101	1098	1114	1099	1111	1145	1128	1033	822	658	645	638	651	647	663	644	650	642	589	446	463	470	475	486	714	1050	
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		574	717	647	837	885	972	1115	1449	1563	1568	1729	1660	1596	1463	1375	1669	1536	1022	1018	947	791	793	787	679	843	1072	1045	772	520	342	423	468	335	226	314	365	688	731	536	260	212	317	273	323	388	374	372	390	
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 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	-1	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		626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	439	439	626	626	728	728	252	126	126	252	626	626	439	439	439			
Hydro		282	276	201	223	204	188	245	255	259	262	260	257	256	218	206	202	209	246	301	305	313	338	330	336	356	349	339	295	265	291	336	363	325	381	338	297	298	196	193	324	357	359	385	154	354	321	336	336	
S.Reserve Total		2334	2729	2947	3199	3269	3345	3543	3881	4006	4016	4172	4098	4037	3869	3774	4047	3837	3268	3113	3013	2822	2869	2844	2739	2939	3146	3120	2838	2539	2292	2207	2115	1931	1684	1742	1935	2275	2299	2107	1478	1284	1248	1373	1573	1843	1620	1861	2215	