

Daily System Generation Summary on Wednesday

Wednesday, June 23, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,358 MW
Distillate	0 MW
Total TNB	2,358 MW
Total IPP	16,863 MW
Total Co-Gen	0 MW
Total System	23,366 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,100	5.56 %
Gas	71,211	21.88 %
Total TNB	89,311	27.44 %
ST-Coal	175,577	53.94 %
LSS	3,177	0.98 %
Gas	55,930	17.18 %
Total IPP	234,684	72.10 %
Co-Gen	152	0.05 %
Total Co-Gen	152	0.05 %
Total Generation	324,147	99.59 %
PLTG	-793	-0.24 %
HVDC	-551	-0.17 %
Interconnection	-1,344	-0.41 %
Net Energy	325,491	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,985 MW
TNB Generation	4,775 MW
IPP Generation	10,063 MW
Spinning Reserve	1,141 MW
Maximum Demand	14,917 MW
Net Energy	325,491 MWH
Load Factor	90.92 %

Fuel Cost

Total Cost:	48,663,528.47 RM
Cost per Unit	15.01 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	199
Hydro	529
Syncon	387
Thermal	489
Total	1,604

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
GLGR	34
TJGS	222
Total TNB	256
CBPS	55
NPRI	133
SKSP	29
YPKA	63
Total IPP	280
Total Gas	536
Total Gas Required	536

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	14105	13415	12885	12413	12065	11802	11781	11770	11932	13056	13566	13780	13858	13906	14361	14636	14710	14527	13707	13756	14909	14891	14795	14715

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

[illegible]

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																								
TIE-HVDC		-29	-29	-28	-28	-29	-29	-29	-29	-28	-29	-29	-29	-29	-28	-28	-29	0	0	0	0	0	0	0	0	0	0	0	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29				
TIE-PLTG		-54	-45	-55	-55	-25	0	-42	-34	-13	-37	-39	-70	-89	-86	-49	-67	-84	-53	-69	-54	-68	-29	-2	20	-27	-47	-18	-29	-24	-53	-74	-6	-29	-61	48	19	61	23	-10	-69	-13	-42	-19	-18	-23	-33	-6	-36
Interconnection		-83	-74	-83	-83	-54	-29	-72	-64	-43	-65	-68	-99	-118	-115	-78	-96	-112	-81	-97	-54	-68	-29	-2	20	-27	-47	-18	-29	-24	-83	-104	-36	-58	-90	18	-11	33	-5	-40	-99	-42	-70	-48	-47	-52	-62	-35	-65
System Total		14105	13685	13415	13148	12885	12623	12413	12212	12065	11962	11802	11738	11781	11812	11770	11694	11932	12605	13056	13350	13566	13671	13780	13898	13858	13858	13906	14149	14361	14521	14636	14703	14710	14684	14527	14071	13707	13533	13756	14585	14909	14917	14891	14828	14795	14853	14715	14518
SRev ST-Coal		569	627	669	685	657	681	730	708	722	729	731	721	721	731	723	723	714	719	652	659	651	660	641	652	643	641	664	549	540	499	409	351	357	347	359	356	371	361	355	356	367	361	370	407	372	371	363	366
SRev CCGT-Gas		130	135	129	128	123	130	123	129	130	135	132	224	224	177	178	271	188	131	131	182	130	148	139	215	396	414	395	386	261	244	267	152	156	480	303	234	193	305	329	98	96	111	111	124	146	161	138	140
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	
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	
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	
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	
Syncon		825	825	825	926	926	926	926	926	926	926	926	926	926	926	926	926	926	825	825	651	651	500	500	500	500	651	651	651	464	464	464	464	464	151	0	277	465	652	652	277	151	151	151	151	151	151	151	151
Hydro		113	109	66	166	129	130	110	50	64	130	133	131	81	103	114	111	33	72	197	538	525	658	658	693	703	549	505	441	571	408	438	458	439	457	648	499	449	343	511	479	513	523	518	530	581	316	406	529
S.Reserve Total		1637	1696	1689	1905	1835	1867	1889	1813	1842	1920	1922	2002	1952	1937	1941	2031	1861	1747	1805	2030	1957	1966	1938	2060	2242	2255	2215	2027	1836	1615	1578	1425	1416	1435	1310	1366	1478	1661	1847	1210	1127	1146	1150	1212	1250	999	1058	1186