

Daily System Generation Summary on Sunday

Sunday, July 4, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,285 MW
Distillate	0 MW
Total TNB	2,285 MW
Total IPP	18,474 MW
Total Co-Gen	0 MW
Total System	24,408 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,516	4.04 %
Gas	49,108	17.24 %
Total TNB	60,624	21.28 %
ST-Coal	173,101	60.76 %
LSS	3,349	1.18 %
Gas	47,088	16.53 %
Total IPP	223,538	78.46 %
Co-Gen	161	0.06 %
Total Co-Gen	161	0.06 %
Total Generation	284,323	99.80 %
PLTG	-1,301	-0.46 %
HVDC	723	0.25 %
Interconnection	-578	-0.20 %
Net Energy	284,901	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:	21:00:00 Hour
Total Set On Bus	15,144 MW
TNB Generation	2,920 MW
IPP Generation	10,562 MW
Spinning Reserve	1,656 MW
Maximum Demand	13,538 MW
Net Energy	284,901 MWH
Load Factor	87.69 %

Fuel Cost

Total Cost:	42,863,977.75 RM
Cost per Unit	15.07 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	248
Hydro	187
Syncon	681
Thermal	811
Total	1,927

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
TJGS	105
Total TNB	105
CBPS	53
NPRI	151
Total IPP	204
Total Gas	309
Total Gas Required	309

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	13136	12644	12095	11743	11413	11134	10956	10742	10257	10620	10916	11167	11385	11592	11791	11879	11868	11831	11734	12153	13525	13538	13455	13363

Prepared By: -Select Name-

Checked By: -Select Name-

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Grid System Operator
(Ir. Shanmugam Thoppalan)

Daily MW Generation on Sunday

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Daily MW Generation on Sunday

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Daily MW Generation on Sunday

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	
S.Reserve Total		1801	1851	1838	1875	2130	1958	2067	2102	1979	2038	2199	2214	2156	2048	2181	2537	2757	2570	2525	2347	2184	2121	2115	2173	2102	2171	2121	2038	2048	2024	1992	1992	1956	1904	1861	1890	1852	1811	1737	1485	1584	1624	1660	1622	1637	1658	1743	1774