

Daily System Generation Summary on Saturday

Saturday, July 29, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,948 MW
Distillate	0 MW
Total TNB	1,948 MW
Total IPP	18,676 MW
Total Co-Gen	0 MW
Total System	24,626 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,760	3.71 %
Gas	31,224	8.42 %
Total TNB	44,984	12.14 %
ST-Coal	251,170	67.76 %
LSS	5,103	1.38 %
Gas	70,779	19.09 %
Total IPP	327,052	88.23 %
Co-Gen	-678	-0.18 %
Total Co-Gen	-678	-0.18 %
Total Generation	371,358	100.18 %
PLTG	-52	-0.01 %
HVDC	728	0.20 %
Interconnection	676	0.18 %
Net Energy	370,682	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/10/2023	412,454 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	18,542 MW
TNB Generation	2,485 MW
IPP Generation	14,695 MW
Spinning Reserve	1,409 MW
Maximum Demand	17,123 MW
Net Energy	370,682 MWH
Load Factor	90.20 %

Fuel Cost

Total Cost:	86,603,558.74 RM
Cost per Unit	23.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,761
Hydro	129
Syncon	676
Thermal	301
Total	2,867

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Rainy	25

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	4
Total TNB	57
CBPS	38
EMPP	223
NPRI	136
PCGP	72
SPGP	156
Total IPP	625
Total Gas	683
Total Gas Required	683

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	16822	16179	15553	14830	14439	14058	14030	13835	13281	14283	15147	15623	15511	15283	15628	15744	15854	15837	15413	15546	17070	17123	16694	16673

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 31, 2023 11:20:16 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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Daily MW Generation on Saturday

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 Gen		16877	16662	16234	15755	15556	15182	14867	14732	14470	14439	14089	14013	14043	13968	13871	13401	13309	13903	14273	14716	15178	15393	15647	15668	15553	15430	15352	15532	15607	15754	15755	15861	15870	15944	15855	15671	15463	15391	15563	16550	17093	17133	17133	17027	16729	16814	16687	16498	
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	0
TIE-HVDC		32	29	29	30	30	31	31	31	31	31	29	29	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	30	30	31	31	29	29	30	30	31	31	29	31	31	31	31	29	30	29	31		
TIE-PLTG		23	60	26	-3	-27	3	6	10	0	5	0	5	-17	-12	5	16	-3	-10	-41	25	0	-23	-6	-25	12	21	39	14	-52	-13	-19	-14	-15	-14	-12	20	20	-12	-13	-3	-8	-16	-21	6	6	-6	-15	-26	
Interconnection		55	89	55	28	3	34	37	41	31	36	31	35	13	19	36	47	28	21	-10	56	31	7	24	5	42	52	69	44	-21	17	11	17	16	15	18	50	50	19	17	26	23	15	10	37	35	24	14	5	
System Total		16822	16573	16179	15727	15553	15148	14830	14691	14439	14403	14058	13978	14030	13949	13835	13354	13281	13882	14283	14660	15147	15386	15623	15663	15511	15378	15283	15488	15628	15737	15744	15844	15854	15929	15837	15621	15413	15372	15546	16524	17070	17118	17123	16990	16694	16790	16673	16493	
SRev ST-Coal		272	284	284	266	281	284	280	279	288	363	522	657	651	658	706	848	841	838	666	638	565	587	328	180	230	204	205	216	195	204	198	205	229	214	247	251	209	199	183	206	235	240	235	234	239	246	226	249	
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		1237	1169	1247	1388	1659	2028	2344	2330	2417	2337	2507	2446	2429	2510	2532	2624	2629	2445	2581	2473	2150	1965	2019	2121	2251	2313	2470	2404	2241	2167	2125	1995	1966	1822	1827	1823	1924	1950	1793	806	320	306	306	379	671	583	624	668	
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	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		1	1	1	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	1	0	1	-1	0	0	0	1	1	-1	0	0	1	0	-1	1	-1	-3	-1	-1	0	0	1	1	-1	0	-1	0	1
Syncon		462	613	613	613	613	613	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	551	701	701	701	701	701	701	722	701	722	722	722	722	722	571	613	613	613	764	764	852	852	
Hydro		186	85	84	89	88	94	96	94	94	91	92	91	90	220	94	253	263	81	90	90	86	88	110	95	116	94	112	101	101	97	100	87	93	80	80	131	130	103	109	76	187	245	254	292	160	157	155	122	
S.Reserve Total		2158	2152	2229	2356	2641	3019	3421	3404	3501	3492	3822	3897	3872	3938	4033	4426	4434	4065	4038	3903	3502	3342	3157	3097	3298	3312	3339	3423	3237	3169	3124	2989	2989	2837	2856	2926	2982	2980	2806	1810	1313	1405	1409	1517	1834	1749	1857	1892	