

Daily System Generation Summary on Saturday

Saturday, May 29, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	16,154 MW
Total Co-Gen	0 MW
Total System	22,052 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,938	5.36 %
Gas	56,367	15.94 %
Total TNB	75,305	21.30 %
ST-Coal	215,198	60.86 %
LSS	3,654	1.03 %
Gas	57,715	16.32 %
Total IPP	276,567	78.22 %
Co-Gen	182	0.05 %
Total Co-Gen	182	0.05 %
Total Generation	352,054	99.57 %
PLTG	-700	-0.20 %
HVDC	-824	-0.23 %
Interconnection	-1,524	-0.43 %
Net Energy	353,578	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	17,431 MW
TNB Generation	4,103 MW
IPP Generation	12,201 MW
Spinning Reserve	1,117 MW
Maximum Demand	16,396 MW
Net Energy	353,578 MWH
Load Factor	89.85 %

Fuel Cost

Total Cost:	53,613,964.72 RM
Cost per Unit	15.23 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	215
Hydro	398
Syncon	550
Thermal	355
Total	1,518

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
SRDG	11
TJGS	217
Total TNB	281
CBPS	55
NPRI	160
PGLA	9
PLPS	68
SKSP	4
Total IPP	296
Total Gas	577

Total Gas Required 577

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	15463	14866	14281	13774	13358	13037	12997	12586	12518	13652	14299	14811	14825	14832	15400	15806	15984	15672	15237	15336	16349	16396	16158	16055

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 10:06:04 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	8	8	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	123	122	123	124	-1	-1	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	124	123	123	122	63	62	63	
KNRG	HY01	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	
KNRG	HY02	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	
KNRG	HY03	36	35	36	37	25	25	24	24	24	24	24	25	23	23	23	24	37	37	36	35	36	35	36	35	
KNYR	HY01	98	99	99	100	99	99	99	99	100	100	66	65	78	65	72	64	81	67	98	62	66	63	101	73	
KNYR	HY02	98	99	99	100	99	100	100	100	100	60	-1	-1	-1	-1	-1	-1	-1	60	59	59	101	99	99	99	
KNYR	HY03	52	53	53	54	99	100	100	100	101	100	59	60	60	-1	-1	-1	0	0	0	54	57	0	0	0	
KNYR	HY04	58	63	87	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	60	59	102	100	100	99	100	
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	3	3	3	3	5	5	5	5	5	5	5	5	5	3	
PGAU	HY01	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	149	149	149	21	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	21	21	150	150	150	150	21	20	0	0	0	0	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	20	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	47	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	30	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	25	17	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	17	17	17	16	16	16	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	17	17	17	17	17	0	0	
TMGR	HY01	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	84	84	84	84	84	32	
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	35	35	43	41	43	43	43	43	43	43	43	43	46	42	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	80	80	80	80	
TMGR	HY04	39	42	71	82	71	49	42	42	43	43	42	42	54	42	50	41	59	45	-1	-1	-1	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	182	178	179	88	91	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	98	92	92	90	93	98	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	6	5	6	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		597	572	606	560	480	460	452	474	455	454	338	277	304	217	232	215	287	304	325	445	446	545	541	822	713
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	10	15	15	19	22	24	25	26	26	25
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	16	20	23	26	28	30	30	30	30	28
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	17	21	24	27	29	30	30	30	25	23
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	8	26	28	30	39	43	24	41	36	34	27	25
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	16	21	24	30	41	42	40	41	38	34
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	9	12	15	18	22	21	9	12	17	20	20	23
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	22	28	32	36	39	41	43	44	44
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	6	3	7	20	29	38	32	18	50	43
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	21	27	31	34	36	39	40	41	41
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	14	19	23	26	29	30	30	30	30	24
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	19	25	33	39	40	44	43	22	35	44
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	11	20	32	32	40	40	47	35	52	52	52

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																								
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	10	15	21	26	31	33	18	23	27	23	23	28	35	17	17	6	8	7	9	8	3	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	2	4	7	11	15	17	19	7	6	8	15	26	29	20	15	22	21	10	0	0	2	2	1	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	2	8	15	22	27	29	30	29	30	30	30	30	28	29	30	30	30	29	6	22	15	5	1	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	19	69	147	210	295	348	416	437	457	432	462	522	518	480	489	415	428	355	253	227	159	99	59	23	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	5	3	4	4	4	5	4	4	5	5	4	6	5	5	3	4	5	2	4	5	5	4	5	4	3	4	4	4	5	5	4	4	5	5	4	5	5	5	5	5	5	4	4	5	4	4		
PCUF	CUFK	4	4	2	3	2	3	4	3	4	2	2	3	4	3	2	3	3	2	5	2	4	2	2	3	2	3	4	4	5	4	3	4	3	2	2	3	3	5	6	3	5	4	3	3	2	3		
Total Co-Gen		9	7	6	7	6	8	8	7	9	7	6	9	9	9	6	6	8	5	7	7	10	6	9	6	5	7	6	7	8	9	10	8	7	9	8	6	7	8	8	10	11	8	10	8	7	8	6	7
Total Gen		15433	15082	14803	14494	14195	14010	13713	13485	13266	13128	13031	12888	12948	12756	12508	12157	12433	12987	13511	13864	14204	14425	14722	14790	14778	14763	14794	15036	15267	15551	15688	15640	15995	15914	15642	15388	15202	15070	15313	16048	16296	16252	16314	16197	16096	16092	15997	15772
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		
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-30	-30	-29	-29	-30	-29	-30	-28	-28	-31	-31	-29	-285	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29		
TIE-PLTG		5	17	-27	-85	-51	-41	-27	-21	-56	-24	29	-57	-12	-14	-42	-30	-50	7	-105	-50	-58	-68	-52	-39	-11	22	-4	-56	-96	-93	-83	17	47	33	6	-9	1	5	14	-20	-16	-37	-47	-49	-24	-82	-21	-45
Interconnection		-23	-12	-56	-113	-80	-70	-55	-50	-85	-53	1	-85	-42	-44	-71	-59	-78	-22	-134	-80	-87	-98	-81	-67	-41	-8	-32	-84	-127	-124	-112	-268	18	5	-23	-38	-28	-25	-16	-49	-46	-67	-75	-77	-54	-112	-50	-74
System Total		15463	15101	14866	14613	14281	14086	13774	13542	13358	13188	13037	12980	12997	12807	12586	12223	12518	13016	13652	13952	14299	14531	14811	14863	14825	14777	14832	15126	15400	15681	15806	15915	15984	15916	15672	15433	15237	15102	15336	16104	16349	16326	16396	16282	16158	16212	16055	15852
SRev ST-Coal		188	236	339	389	455	555	547	623	740	806	782	881	887	884	895	887	900	888	889	869	787	566	402	446	251	313	305	365	388	310	255	210	247	253	272	294	273	229	150	98	129	101	94	95	85	102	132	130
SRev CCGT-Gas		605	339	284	193	225	223	294	237	290	274	283	243	213	293	412	773	640	236	127	227	184	255	219	131	291	287	301	305	211	175	151	135	205	196	190	175	218	308	249	248	236	149	156	205	219	185	151	147
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	35	6	0	70	74	2	1	1	6	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		738	825	825	825	926	926	926	775	926	926	926	1027	1027	1128	1128	1128	1128	876	1027	1027	1027	840	840	525	500	738	940	940	738	738	551	0	0	0	0	151	464	313	313	0	0	0	151	151	277	279	279	279
Hydro		280	218	136	103	82	102	110	238	106	107	223	183	156	142	127	144	108	393	236	157	156	244	248	284	518	467	346	211	283	262	338	304	267	571	556	399	297	1037	965	854	696	812	647	787	706	572	647	631
S.Reserve Total		1811	1618	1584	1510	1688	1806	1877	1873	2062	2113	2214	2334	2283	2447	2562	2932	2776	2393	2279	2280	2154	1905	1709	1386	1560	1805	1892	1821	1620	1485	1295	649	719	1020	1018	1019	1252	1887	1712	1206	1061	1132	1122	1240	1288	1139	1215	1187