

Daily System Generation Summary on Friday

Friday, January 28, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,529 MW
Distillate	0 MW
Total TNB	2,529 MW
Total IPP	16,060 MW
Total Co-Gen	0 MW
Total System	22,718 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,460	6.45 %
Gas	64,250	17.66 %
Total TNB	87,710	24.11 %
ST-Coal	177,849	48.88 %
ST-Oil	5,357	1.47 %
LSS	3,599	0.99 %
Gas	88,535	24.33 %
Total IPP	275,340	75.68 %
Co-Gen	1,272	0.35 %
Total Co-Gen	1,272	0.35 %
Total Generation	364,322	100.14 %
PLTG	-220	-0.06 %
HVDC	715	0.20 %
Interconnection	495	0.14 %
Net Energy	363,827	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:	16:00:00 Hour
Total Set On Bus	18,442 MW
TNB Generation	4,939 MW
IPP Generation	12,279 MW
Spinning Reserve	1,172 MW
Maximum Demand	17,202 MW
Net Energy	363,827 MWH
Load Factor	88.13 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	561
Hydro	528
Syncon	170
Thermal	360
Total	1,619

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	219
Total TNB	269
CBPS	54
KLPP	76
NPRI	129
PGLA	111
PLPS	25
Total IPP	396
Total Gas	665
Total Gas Required	717

Alternate Fuel Usage

Station	(mmscfd)
PKLG	52
Total	52

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	15127	14473	13880	13399	12896	12758	12934	13083	13422	14871	15664	16143	16175	16004	16461	17111	17202	16831	15696	15416	16496	16189	15886	15510

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 5:35:16 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

[illegible]

Daily MW Generation on Friday

		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		
BSIA	HY01	22	21	21	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22		
BSIA	HY02	22	22	22	22	23	23	23	23	23	11	23	23	23	23	23	23	23	23	22	23	23	22	22	22	22	22	23	22	23	23	23	23	23	23	23	22	23	22	22	23	23	23	22	23	23	23	23	22		
BSIA	HY03	22	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22	22	22	22	22	22	22	22	22	22	22	23	22	23	22	22	22	22	22	22	22	22	22	22	23	22	23	22	23	22		
CEND	HY01	10	9	10	10	10	9	10	9	10	10	10	10	10	10	9	9	9	9	10	10	9	9	10	10	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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	HY03	9	9	9	9	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	61	63	63	63	125	125	125	124	62	62	62	62	62	62	62	125	125	65	62	-1	-1	-1	-1
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	63	63	63	63	123	124	123	63	63	63	63	63	63	63	123	123	58	63	63	63	63	63	63
HTRG	HY03	3	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	4	3	3	3	3	4	4	4	3	3	3	3	3	3	3		
KNRG	HY01	33	33	33	22	0	0	0	0	0	0	0	0	0	0	0	0	0	21	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	33	34	33	34	33	34	33	34	33		
KNRG	HY02	36	36	36	36	37	37	38	37	25	38	37	38	37	37	37	37	37	37	36	36	36</																													

Daily MW Generation on Friday

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	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	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	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	29	29	29	28	28	27	26	28	27	27	29	28	28	28	29	26	29	27	26	26	25	25	25	24	25
PCUF	CUFK	26	26	26	26	27	26	30	26	24	25	26	26	25	28	25	25	27	27	24	28	29	27	26	25	24
Total Co-Gen		55	55	55	54	55	53	56	54	51	52	55	54	53	56	53	54	53	56	51	54	55	52	51	50	48
Total Gen		15168	14762	14478	14126	13848	13604	13373	13206	12947	12772	12769	12773	12950	13111	13096	13098	13413	14222	14871	15265	15590	15900	16142	16366	16174
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	
TIE-HVDC		31	31	30	29	29	29	29	31	29	31	29	31	31	29	30	31	30	29	29	29	30	29	29	31	29
TIE-PLTG		11	-21	-25	-10	-61	-18	-54	-42	22	-24	-18	1	-15	-28	-17	-39	-39	-65	-30	-50	-103	-60	-30	-45	-30
Interconnection		41	10	5	19	-32	11	-26	-11	51	7	11	33	16	0	13	-11	-9	-34	0	-21	-74	-31	-1	-16	-1
System Total		15127	14752	14473	14107	13880	13593	13399	13217	12896	12765	12758	12740	12934	13111	13083	13109	13422	14256	14871	15286	15664	15931	16143	16382	16175
SRev ST-Coal		344	509	534	601	640	787	654	642	586	697	682	700	594	484	465	473	466	463	388	345	350	349	353	351	350
SRev CCGT-Gas		1692	1879	1830	1896	1874	1906	1753	1767	1769	1720	1729	1716	1665	1578	1604	1599	1712	1610	1466	1287	1064	754	526	562	744
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
SRev ST-Oil		43	16	5	4	5	4	4	5	4	4	5	5	4	5	4	4	4	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
SRev 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
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
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
Syncon		752	689	840	840	1029	1029	928	941	376	689	689	790	790	790	790	689	401	313	313	313	313	313	313	500	500
Hydro		343	311	138	232	131	137	49	136	568	312	306	202	178	260	265	266	211	389	406	303	296	348	376	369	222
S.Reserve Total		3261	3591	3534	3760	3679	3863	3408	3578	3304	3422	3497	3500	3319	3204	3215	3220	3170	2867	2577	2252	2023	1764	1568	1595	1816