

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,230 MW
Distillate	0 MW
Total TNB	2,230 MW
Total IPP	15,901 MW
Total Co-Gen	0 MW
Total System	20,644 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,247	5.11 %
Gas	30,467	9.58 %
Total TNB	46,714	14.69 %
ST-Coal	203,268	63.93 %
LSS	2,420	0.76 %
Gas	64,155	20.18 %
Total IPP	269,843	84.87 %
Co-Gen	458	0.14 %
Total Co-Gen	458	0.14 %
Total Generation	317,015	99.70 %
PLTG	-248	-0.08 %
HVDC	-701	-0.22 %
Interconnection	-949	-0.30 %
Net Energy	317,964	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,283 MW
TNB Generation	2,804 MW
IPP Generation	11,930 MW
Spinning Reserve	1,531 MW
Maximum Demand	14,817 MW
Net Energy	317,964 MWH
Load Factor	89.41 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	620
Hydro	210
Syncon	1,042
Thermal	425
Total	2,297

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	28
TJGS	183
Total TNB	212
CBPS	49
KLPP	34
NPRI	146
PGLA	49
PLPS	36
SKSP	2
YPKA	31
Total IPP	348
Total Gas	559
Total Gas Required	559

Alternate Fuel Usage

Station	(mmcsfd)
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	14245	13685	13231	12870	12458	12209	12196	11949	11485	11989	12685	13113	13184	13050	13361	13466	13570	13597	13344	13889	14817	14707	14511	14296

Daily MW Generation on Wednesday

		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									
JMAH	U001		691	694	692	692	692	693	692	694	691	691	694	692	692	693	693	692	689	694	694	693	693	691	695	690	692	693	692						
JMAH	U002		702	694	696	695	694	697	692	696	687	699	693	694	694	691	691	698	693	693	693	691	695	696	696	695	705	691	692	693	697				
JMHE	U001		751	749	754	780	780	779	779	779	781	780	778	779	780	777	777	781	781	780	783	777	780	778	781	859	858	855	859	931	931				
JMHE	U002		445	324	323	190	0	0	0	0	0	0	0	0	0	0	0	0	0	33	136	202	490	759	752	750	751	749	748	753	751				
JMJG	U003		669	659	662	663	662	663	664	663	660	664	662	662	647	576	542	500	420	425	403	416	389	361	294	186	0	0	0	0	0				
JMJG	U004		899	898	895	848	850	814	781	781	783	782	783	782	785	783	785	785	785	785	785	782	785	782	865	863	867	866	865	865	863	866			
JMJG	U005		905	899	900	846	850	801	801	777	779	782	782	781	782	781	781	779	781	779	780	782	779	775	781	865	856	854	860	859	858	859	859		
PKLG	U003		284	282	283	281	285	282	284	281	282	286	283	283	283	280	283	252	205	250	282	286	283	280	280	282	283	283	286	284	283	281	281		
PKLG	U004		281	281	279	278	281	279	280	279	277	280	282	278	282	281	283	258	206	244	277	283	280	279	281	280	278	279	281	280	280	278	279	279	
PKLG	U005		468	466	468	468	466	466	466	466	467	464	463	464	467	464	438	351	361	445	472	466	467	468	466	468	466	466	466	466	466	466	468	470	
TBIN	U001		690	691	685	690	689	691	690	690	695	689	691	690	691	691	690	694	692	691	690	691	690	689	690	692	692	690	691	690	690	688	690	689	691
TBIN	U002		692	690	693	691	690	693	693	689	694	692	693	689	693	691	695	694	694	692	691	694	691	691	693	689	688	694	689	692	690	692	691	691	
TBIN	U003		691	691	690	690	690	693	691	690	691	691	691	691	691	691	690	689	691	691	690	690	690	691	691	689	690	691	690	691	690	692	691	691	
TBIN	U004		931	904	903	855	853	855	781	782	782	783	782	785	784	782	784	783	783	781	786	782	782	784	863	862	861	861	865	863	863	863	865	865	
Total ST-Coal			9099	8922	8923	8667	8484	8406	8294	8267	8268	8286	8277	8270	8265	8185																			

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	
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	99	100	100	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	99	99	100	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	35	35	35	34	
KNRG	HY02	20	21	21	21	20	20	20	21	20	21	21	20	20	23	37	37	37	36	36	36	36	36	36	36	
KNYR	HY01	105	0	0	0	0	0	0	100	100	100	100	100	105	59	106	106	106	106	105	106	105	106	106	106	
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	59	60	104	104	104	104	104	104	104	104	104	
KNYR	HY03	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	104	105	105	105	
KNYR	HY04	105	106	106	106	106	106	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	10	10	10	10	10	10	10	10	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	16	16	16	16	16	16	16	16	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	7	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	16	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	21	21	21	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	22	-1	-1	-1	-1	
PGAU	HY03	-1	-1	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	51	51	51	51	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	0	0	0	0	21	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	25	25	25	25	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	61	62	61	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	65	63	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0	
TMGR	HY04	33	33	33	33	33	33	33	33	32	33	33	33	33	33	33	31	32	32	33	33	33	33	32	29	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	89	93	90	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		529	426	427	427	427	426	426	443	526	524	526	524	528	434	491	537	558	550	550	549	546	547	706	665	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	12	16	18	22	25	12	24	26	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	18	23	19	35	22	23	17	14	12	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	16	27	34	38	38	48	28	49	28	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	18	25	31	36	41	44	46	48	50	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	11	25	31	35	40	48	48	44	23	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	21	27	31	35	37	39	40	41	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	6	18	37	43	48	50	50	50	50	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	17	16	28	29	43	42	29	32	55	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	15	22	28	32	36	39	41	42	43	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	34	89	124	201	252	311	324	333	333	345	
PCUF	CUFG	4	4	4	4	3	3	3	3	5	3	5	4	4	3	5	4	6	4	3	3	5	2	4	3	4
PCUF	CUFK	18	18	17	18	18	18	18	20	18	20	19	20	21	18	20	21	20	18	18	16	11	5	5	5	4
Total Co-Gen		22	22	21	22	21	21	21	23	23	24	24	26	22	24	24	22	19	14	9	8	8	9	6	18	
Total Gen		14195	13855	13663	13446	13217	12981	12801	12557	12370	12334	12175	12091	12111	12123	11929	11529	11438	11768	11908	12267	12598	12885	13044	13148	
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

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		-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29																								
TIE-PLTG		-9	20	19	-41	27	16	-28	-3	-47	-16	7	-39	-44	43	21	8	-6	0	-40	-41	-46	-51	-27	-27	12	-19	-4	-15	23	-5	2	-3	-7	13	15	-34	-2	35	-29	-17	-23	-23	3	-5	-29	-66	-22	8
Interconnection		-38	-10	-10	-70	-2	-14	-57	-33	-76	-45	-22	-68	-73	14	-8	-21	-35	-29	-69	-71	-75	-81	-57	-56	-17	-48	-33	-45	-7	-35	-28	-32	-36	-15	-15	-64	-31	6	-58	-46	-53	-53	-25	-33	-58	-95	-51	-21
System Total		14245	13877	13685	13528	13231	13007	12870	12602	12458	12391	12209	12171	12196	12121	11949	11562	11485	11809	11989	12350	12685	12978	13113	13216	13184	13090	13050	13381	13361	13558	13466	13562	13570	13641	13597	13469	13344	13383	13889	14734	14817	14792	14707	14612	14511	14387	14296	14027
SRev ST-Coal		402	370	372	533	474	467	473	476	480	465	470	482	487	471	455	550	572	520	490	434	474	487	551	458	448	513	453	392	312	474	461	463	464	473	470	467	454	454	447	345	328	321	334	316	335	328	318	311
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
SRev CCGT-Gas		595	460	653	280	325	482	550	769	974	1111	1260	1339	1316	1218	1388	1587	1495	1355	1397	1165	839	572	358	471	427	560	644	336	647	716	755	678	692	571	587	732	859	837	596	312	403	357	395	397	371	485	540	642
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
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
SRev Co-Gen		-15	-15	-14	-15	-14	-14	-14	-16	-16	-16	-17	-17	-19	-15	-17	-17	-18	-15	-17	-17	-15	-12	-7	-2	-1	-1	-2	1	-11	-9	-10	-9	-10	-10	-11	-11	-11	-10	-11	-12	-11	-12	-12	-13	-13	-13	-13	
Syncon		1274	1274	1123	1123	1123	1123	1123	972	1123	1123	1123	1123	1144	1144	1144	1144	1274	1123	1274	1274	1274	1253	1041	1016	1253	1253	1253	1102	1253	1274	1251	1251	1251	1100	1251	1251	999	661	323	489	489	676	676	913	762	762		
Hydro		118	121	121	121	121	122	122	122	256	122	124	122	122	123	119	213	156	110	240	97	97	98	101	101	254	320	138	137	138	271	124	124	103	101	102	231	132	191	287	267	492	387	393	325	448	265	268	337
S.Reserve Total		2374	2210	2255	2042	2029	2180	2254	2474	2666	2805	2960	3049	3029	2941	3089	3477	3349	3244	3233	2953	2669	2419	2277	2281	2169	2408	2486	2119	2339	2554	2583	2530	2500	2386	2399	2519	2685	2723	2318	1573	1535	1542	1599	1702	1817	1978	1875	2039