

Daily System Generation Summary on Thursday

Thursday, December 24, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	15,942 MW
Total Co-Gen	0 MW
Total System	21,287 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,686	5.22 %
Gas	39,019	10.89 %
Total TNB	57,705	16.11 %
ST-Coal	201,336	56.21 %
LSS	2,789	0.78 %
Gas	97,673	27.27 %
Total IPP	301,798	84.25 %
Co-Gen	164	0.05 %
Total Co-Gen	164	0.05 %
Total Generation	359,667	100.41 %
PLTG	749	0.21 %
HVDC	716	0.20 %
Interconnection	1,465	0.41 %
Net Energy	358,202	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:	15:00:00 Hour
Total Set On Bus	17,554 MW
TNB Generation	3,240 MW
IPP Generation	13,224 MW
Spinning Reserve	1,084 MW
Maximum Demand	16,478 MW
Net Energy	358,202 MWH
Load Factor	90.58 %

Fuel Cost

Total Cost:	43,763,080.31 RM
Cost per Unit	12.16 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	235
Hydro	522
Syncon	473
Thermal	117
Total	1,347

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	4
TJGS	218
Total TNB	274
CBPS	55
NPRI	157
PGLA	110
PLPS	100
SGB3	82
YPKA	84
Total IPP	588
Total Gas	861
Total Gas Required	861

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	14756	14134	13735	13333	12949	12861	12830	12894	13312	14967	15744	16071	16213	15891	16273	16478	16430	16089	15301	15475	16130	15811	15221	15069

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:24:51 AM Head
Grid System Operator

(Ir. Shanmugam Thoppalan)

Daily MW Generation on Thursday

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																									
JMAH	U001	693	694	692	690	692	693	693	693	693	692	692	692	692	691	693	694	693	692	693	693	694	696	693	693	692	692																							
JMAH	U002	693	699	693	693	694	695	695	693	692	694	693	695	693	696	694	696	694	696	695	696	692	696	693	691	697	694																							
JMHE	U001	980	979	983	797	801	802	802	800	800	801	803	800	803	803	797	801	800	900	961	982	981	979	980	979	977	981	979																						
JMJG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	107	238	283	339	407																							
JMJG	U002	548	548	548	545	548	551	547	549	552	548	551	551	549	552	550	548	548	549	551	549	543	546	557	547	548	551	549																						
JMJG	U004	979	979	957	900	856	855	855	854	857	855	856	856	857	858	855	857	856	857	886	944	980	979	981	980	977	980	980																						
JMJG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																							
PKLG	U003	279	279	280	280	279	279	280	278	278	277	279	278	278	279	280	279	280	278	279	279	279	281	279	280	279	278	276																						
PKLG	U004	196	214	279	190	190	194	270	278	279	279	273	279	280	278	280	279	280	275	280	278	278	280	277	279	272	281	276																						
PKLG	U005	468	468	469	469	469	466	470	468	469	466	464	465	466	467	466	466	466	468	467	466	467	468	468	469	468	469	467																						
PKLG	U006	449	449	447	451	452	449	449	449	448	447	449	449	447	449	451	448	450	452	448	446	449	447	447	447	447	448	445																						
TBIN	U001	693	687	686	689	687	687	689	689	690	688	688	691	690	689	689	689	688	689	688	691	687	686	689	691	682	687	691																						
TBIN	U002	692	690	694	693	693	694	692	691	696	689	695	693	700	694	692	693	693	690	692	690	692	694	693	692	694	693	694																						
TBIN	U003	699	687	685	689	686	687	690	686	689	689	688	688	688	684	690	685	693	692	689	691	688	691	693	692	692	691	691																						
TBIN	U004	983	983	962	876	804	804	804	804	803	801	805	801	806	803	802	801	802	875	954	983	981	983	984	983	983	983	981																						
Total ST-Coal		8352	8356	8375	7962	7851	7856	7936	7932	7946	7927	7936	7938	7951	7942	7932	7935	7946	8109	8280	8385	8428	8422	8416	8422	8432	8423	8415	8434	8361	8372	8380	8376	8413	8480	8609	8654	8721	8776	8796	8839	8916	8971	8960	8957	8975	8953	8970	8961	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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
CBPS	BLK2	356	368	361	366	365	362	369	362	359	362	360	352	359	363	360	362	362	346	361	367	363	364	364	365	358	362	360	360	360	360	362	362	362	362	354	363	362	359	364	354	362	363	359	357	357	364	362	362	
GLGR	GT01	103	66	68	68	69	68	69	68	68	68	69	67	67	68	68	67	69	96	85	86	85	105	105	104	103	104	103	103	103	103	102	81	68	88	100	101	99	101	99	101	99	66	67	66	68				
GLGR	GT02	103	67	68	68	68	68	68	68	68	68	67	68	68	68	68	95	85	85	85	106	104	103	104	104	104	103	104	104	103	103	104	103	81	67	90	101	101	102	101	99	67	67	67	68					
GLGR	ST1C	93	73	72	72	72	72	72	72	72	72	72	72	72	72	72	87	83	83	83	91	93	94	93	94	94	94	94	94	94	93	94	94	94	85	73	81	90	91	91	91	73	72	72	72					
NPRI	BLK1	506	524	515	523	518	521	528	514	510	512	514	507	513	516	507	514	517	495	518	520	515	515	515	516	509	515	515	518	515	514	507	515	514	505	509	515	515	518	508	513	514	514	504	507	510	511	512		
NPRI	BLK2	508	527	518	525	519	523	530	517	512	515	515	509	518	519	509	517	518	497	518	521	517	517	517	511	517	517	517	517	517	510	516	517	507	510	517	518	520	511	514	518	516	506	509	520	514	517			
PCGP	PGRG	589	615	603	612	606	611	616	602	596	601	599	594	600	603	594	603	604	576	608	608	604	603	601	604	595	603	602	602	600	603	603	597	603	603	589	592	601	603	611	596	603	604	599	589	592	607	600	602	
PGLA	GT11	215	222	218	222	219	220	177	169	167	168	166	166	168	170	166	167	188	209	219	219	216	216	216	217	215	217	217	217	216	216	217	213	213	216	216	218	215	217	217	216	213	214	219	216	217				
PGLA	GT12	218	226	222	224	223	223	180	172	170	171	171	169	172	173	170	172	192	214	220	222	221	220	221	221	219	220	220	221	220	220	220	218	219	220	216	216	219	220	222	219	221	220	220	216	218	222	220	222	
PGLA	ST10	241	246	241	243	241	241	222	205	205	205	203	203	205	206	206	206	219	235	240	242	240	242	242	242	238	242	240	242	242	242	241	243	243	243	243	242	243	240	241	241	238	238	241	242	243	241			
PLPS	GT11	148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	142	134	135	134	134	134	134	134	131	134	134	134	134	134	134	134	134	134	134	116	141	133	137	116	111	112	118	115	112				
PLPS	GT12	149	154	154	153	153	121	123	119	119	120	119	115	119	119	117	118	119	153	138	137	138	139	137	139	136	139	138	138	139	138	138	133	139	139	138	133	139	120	144	138	141	119	119	115	117	122	119	120	
PLPS	GT13	143	143	143	144	144	111	111	108	107	108	108	104	108	108	106	109	107	145	130	131	130	131	130	131	127	130	130	130	130	129	131	131	128	131	130	126	125	130	112	136	132	135	111	113	108	108	115	112	116
PLPS	ST18	215	147	146	146	146	133	135	132	132	133	132	129	132	132	133	132	215	211	211	211	211	210	211	209	210	211	209	210	210	210	210	210	209	208	209	210	198	213	210	212	198	197	195	198	200	199	198		
SGB3	GT31	135	136	136	116	110	112	116	111	109	111	111	107	110	111	107	111	112	107	115	116	113	113	114	114	109	113	112	139	139	142	142	142	142	142	142	139	139	113	112	123	137	141	114	113	110	117	110	110	
SGB3	GT32	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	147	145	144	145	145	146	145	145	145	145	145	144	144	144	144	144	144	145	145	119	117	129	144	145	111	111	108	113	115	111	111
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	93	142	145	145	143	143	145	145	145	145	145	144	144	144	142	143	143	144	144	115	116	123	141	144	115	115	113	113	41	0	0		
SGB3	ST34	150	77	73	65	65	63	63	64	64	62	61																																						

Daily MW Generation on Thursday

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 CCGT-Gas		5949	5429	5305	5318	5286	5042	4965	4848	4778	4774	4654	4604	4630	4816	4722	4858	4980	5761	5929	6035	6136	6184	6183	6190	6137	6185	6174	6208	6211	6209	6207	6171	6211	6206	6132	6159	6059	5867	6048	6164	6216	6033	6017	5931	5785	5875	5723	5458				
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	125	129	126	132	0	0	0	0	0	0	0	0	0	0	0	0	0						
Total 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					
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21	21	21	11	11	21	21	21	21	11	11	11	11	11	11	11					
BSIA	HY02	11	23	23	23	23	23	23	12	12	12	11	11	12	12	12	12	12	11	12	12	12	12	12	12	11	23	23	23	23	23	23	23	23	23	23	12	12	23	23	23	23	12	11	12	12	12	12	12				
BSIA	HY03	12	23	23	23	23	23	23	12	12	12	12	12	0	0	0	0	0	23	23	23	23	23	24	23	23	23	23	23	23	23	23	23	23	23	13	13	23	23	23	23	12	12	12	12	12	12	12					
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	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	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	8	8	9	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				
CEND	HY03	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	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	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	-1	-1	63	63	63	63	63	63	63	63	63	125	124	63	63	63	126	125	125	125	125	125	124	63	0	0	0	125	124	63	63	0	0	0	0	0	0			
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	63	63	63	62	63	63	63	64	63	63	124	63	63	63	-1	-1	-1	-1	124	63	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNRG	HY01	34	34	34	34	34	34	34	21	22	22	22	22	0	0	0	0	0	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
KNRG	HY02	35	35	35	35	35	35	35	20	20	20	20	20	0	0	0	0	0	0	0	0	23	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
KNRG	HY03	34	34	34	34	34	34	34	22	21	21	21	22	23	22	22	23	22	22	22	22	23	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	58	60	60	101	99	-1	-1	100	99	100	99	99	99	98	59	-1	-1	101	99	59	57	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNYR	HY02	59	104	62	102	81	101	100	74	60	59	57	57	61	93	60	71	89	57	99	84	72	62	62	75	60	60	60	91	88	75	96	59	61	61	58	60	63	61	65	61	61	77	58	60	60	103	80	74	74			
KNYR	HY03	51	106	56	103	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	58	59	56	60	99	55	55	57	56	58	62	60	0	0				
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	102	102	102	101	101	100	101	102	101	101	101	101	101	99	-1	-1	-1	-1	100	61	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
LPJA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	18	18	18	18	18	18	18	18	18	18	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
LPJA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	18	18	18	18	18	18	18	18	18	18	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8	8	8	5	5	7	7	7	7	7	7	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5		
PGAU	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	-1	-1	-1	-1	-1	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	HY02	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
PGAU	HY03	18	22	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21				
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	18	19	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	48	48	30	30	30	30	30	49	31	31	31	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	0	0	0	0	0	0	30	30	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	0	0	0	0	0	0	30	30	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	0	0	0	17	17	17	25	25	25	25	17	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	0	0	0	0	0	0	17	17	25	25	25	17	0	0	0	0	17	25	25	25	25	25	25	25	25	25	
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	0	0	9	17	17	25	25	25	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	17	17	17	17	25	25	25	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	33	82	34	83	83	83	83	83	32	84	84	84	84	84	84	84	82	84	0	0	23	87	84	84	34	32	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY02	43	78	44	84	60	88	89	63	44	44	44	43	43	76	44	53	71	41	86	67	56	44	44	63	43	46	44	76	76	62	80	43	46	44	42	44	44	44	45	43	45	70	44	44	44	89	64	44				

Daily MW Generation on Thursday

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			
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	12	10	9	18	36	39	39	22	10	18	14	16	16	16	12	11	7	3	1	0	0	0	0	0	0	0	0	0	0	0	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	8	14	16	19	16	15	15	25	27	24	20	15	8	8	6	5	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	14	18	20	36	35	13	49	33	18	34	45	47	31	38	26	24	18	14	4	0	0	0	0	0	0	0	0	0	0	0	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	9	14	17	17	12	21	14	24	22	14	14	20	18	18	17	15	12	10	7	3	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	1	5	23	23	24	22	36	39	39	38	42	44	46	44	22	35	24	11	23	11	9	4	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	2	6	11	15	20	24	24	19	28	16	30	30	30	30	30	27	20	14	7	5	2	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	1	5	8	22	16	17	37	39	33	40	32	40	47	47	33	35	20	20	24	10	2	3	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	1	4	10	10	22	16	34	37	36	35	37	45	39	36	40	33	30	28	31	23	12	9	6	1	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	2	8	15	21	26	31	32	36	37	40	26	24	35	30	20	19	18	14	15	9	5	2	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	1	3	6	10	18	21	25	12	25	29	27	14	22	21	16	10	8	3	6	5	3	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	3	33	71	153	205	233	306	348	362	391	428	434	373	374	372	325	282	263	215	179	111	83	35	4	1	1	1	0	0	0	0	0	0	0	
PCUF	CUFG	4	4	4	3	4	4	4	4	3	5	3	4	3	3	2	4	4	4	4	4	4	4	3	3	3	4	3	4	4	4	2	4	3	4	3	2	4	4	4	4	4	4	3	4	4	3	5			
PCUF	CUFK	3	4	3	2	4	3	4	3	3	2	2	4	5	3	4	1	4	4	4	2	3	4	3	4	3	4	3	4	4	4	2	4	3	3	2	2	3	4	4	5	2	4	3	4	3	2	3	4		
Total Co-Gen		7	8	7	5	8	7	7	7	7	5	7	7	9	6	7	3	8	8	8	6	7	8	6	7	6	8	7	7	8	6	6	5	8	6	6	4	6	7	8	9	6	8	7	7	7	6	6	9		
Total Gen		14877	14541	14209	13934	13768	13454	13349	13115	13025	12999	12905	12857	12848	13048	12943	13101	13306	14401	14943	15437	15778	15998	16146	16430	16268	16017	15898	16065	16284	16472	16470	16472	16429	16451	16162	15746	15365	15144	15544	16326	16257	16144	15869	15647	15315	15374	15189	14798		
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		
TIE-HVDC		30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	29	29	29	31	31	30	30	30	30	30	30	30	29	29	30	30	29	30	30	31	31	30	30		
TIE-PLTG		103	51	58	-2	16	-14	-2	29	57	70	26	47	-1	38	29	31	11	-26	59	-43	-3	16	26	55	34	36	0	-13	-27	-10	-6	-28	9	-21	39	55	56	47	71	50	92	110	64	38	92	73	14	99	19	
Interconnection		133	81	87	27	45	16	28	58	87	100	55	77	29	68	60	42	5	89	-13	26	45	56	86	64	66	29	17	2	21	25	2	39	9	69	85	86	76	100	80	122	138	95	68	122	104	45	130	49		
System Total		14756	14472	14134	13919	13735	13450	13333	13069	12949	12910	12861	12791	12830	12991	12894	13070	13312	14323	14967	15422	15744	15953	16071	16377	16213	15999	15891	16073	16273	16457	16478	16443	16430	16392	16089	15672	15301	15056	15475	16215	16130	16060	15811	15535	15221	15339	15069	14759		
SRev ST-Coal		99	95	160	474	468	467	364	448	439	456	450	449	435	441	449	448	438	346	232	149	106	112	118	112	102	111	119	100	123	112	104	108	121	104	-25	130	113	68	108	65	138	113	117	130	162	184	167	176		
SRev CCGT-Gas		271	364	293	280	312	556	633	750	820	824	944	994	968	782	876	740	904	318	220	257	227	179	180	173	226	178	189	155	152	154	156	192	152	157	231	204	304	496	315	199	147	330	346	432	578	488	426	691		
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 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 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	-1	1	-3	0	-6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		940	753	940	940	789	940	1027	1027	1027	1027	1027	1027	1091	1242	1178	1178	1178	1004	853	565	489	489	151	302	489	590	590	590	302	302	302	302	302	302	302	676	903	1004	940	903	338	489	428	529	630	1091	1091	1091	1178	
Hydro		474	370	409	282	459	282	153	266	301	302	307	307	252	55	121	101	64	263	293	410	558	454	670	500	460	513	619	444	495	564	523	591	692	692	592	533	543	494	389	529	448	496	642	549	292	200	250	183		
S.Reserve Total		1784	1582	1802	1976	2028	2245	2177	2491	2587	2609	2728	2777	2746	2520	2624	2467	2584	1931	1598	1381	1380	1234	1119	1087	1277	1392	1517	1289	1072	1131	1086	1190	1267	1249	1474	1770	1964	1998	1715	1131	1222	1367	1634	1741	2123	1963	1934	2228		