

Daily System Generation Summary on Thursday

Thursday, May 11, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	2,275 MW
Total IPP	17,899 MW
Total Co-Gen	0 MW
Total System	22,139 MW

Generation Mix

Type	MWh	Percentage
Hydro	28,847	6.92 %
Gas	27,016	6.48 %
Total TNB	55,863	13.40 %
ST-Coal	236,288	56.68 %
ST-Gas	2,614	0.63 %
LSS	7,301	1.75 %
Distillate	17,016	4.08 %
Gas	93,729	22.48 %
Total IPP	356,948	85.62 %
Co-Gen	-25	-0.01 %
Total Co-Gen	-25	-0.01 %
Total Generation	412,786	99.01 %
PLTG	639	0.15 %
HVDC	-4,755	-1.14 %
Interconnection	-4,116	-0.99 %
Net Energy	416,902	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,808 MW
TNB Generation	3,317 MW
IPP Generation	16,159 MW
Spinning Reserve	1,352 MW
Maximum Demand	19,716 MW
Net Energy	416,902 MWH
Load Factor	88.11 %

Fuel Cost

Total Cost:	120,517,748.67 RM
Cost per Unit	29.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	907
Hydro	384
Syncon	352
Thermal	204
Total	1,847

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	62
Total TNB	95
CBPS	42
EMPP	264
KLPP	2
NPRI	132
PCGP	80
PLPS	41
SGRI	14
SPGP	91
PKLG	27
Total IPP	693
Total Gas	788
Total Gas Required	985

Alternate Fuel Usage

Station	(mmscfd)
KLPP	93
SGRI	74
SKSP	29
Total	197

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	17445	16637	16017	15410	14979	14792	14882	14540	15052	16634	17523	18136	18119	17985	19018	19549	19716	19326	18143	17780	19024	19045	18605	18187

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 2, 2023 3:38:10 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	705	705	704	706	705	706	704	705	706	708	708	710	703	707	707	705	705	707	704	705	705	707	704	707	704	705	704	707	705	707	705	706	706	705	707	707	706	706	706	706	704	704	707	706	705	695				
JMAH	U002	704	705	707	706	704	706	705	703	707	706	709	697	707	705	702	707	705	704	702	708	707	703	709	705	706	706	706	702	704	704	706	706	701	709	710	704	697	702	707	704	703	706	708	707	705	708	706	696		
JMHE	U001	598	600	601	542	498	420	311	316	312	292	57	19	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
JMHE	U002	897	901	899	926	948	960	949	948	949	953	951	951	949	947	950	953	959	966	970	971	973	971	975	971	971	975	975	974	976	976	969	975	974	975	973	976	973	975	977	971	973	972	971	968	976	973	972	975		
JMJG	U001	677	679	680	682	676	683	682	674	677	678	677	677	677	677	677	677	679	672	676	677	675	679	675	678	683	683	674	673	672	672	677	677	677	678	677	676	675	673	620	603	587	581	589	594	618	679	687	683	677	672
JMJG	U002	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690			
JMJG	U003	596	559	591	599	599	597	593	601	599	590	597	599	600	597	598	596	598	595	597	598	595	596	598	596	587	596	596	593	593	601	601	596	598	599	604	597	596	566	597	596	598	597	597	598	600	596	597	597		
JMJG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	247	352	428	512	571	633	0	0	0	0			
JMJG	U005	978	972	972	972	972	972	974	972	971	970	978	968	972	973	974	977	967	969	967	971	965	970	969	972	963	965	961	965	963	963	968	968	967	972	970	965	972	968	968	971	968	968	970	968	971	972	971	972		
PKLG	U003	279	277	278	278	278	278	275	277	276	280	277	278	278	278	278	278	279	276	280	278	278	276	277	277	279	277	277	277	275	279	276	269	277	277	278	277	268	253	248	243	262	271	272	274	273	271	273	272		
PKLG	U004	275	272	271	274	268	276	273	273	272	272	272	276	284	274	273	273	273	277	275	273	273	251	201	208	252	278	274	272	273	274	272	273	277	275	275	275	272	254	239	244	243	255	262	274	274	274	274	275	276	
PKLG	U005	466	466	468	468	468	463	464	464	466	468	467	468	470	467	467	473	470	462	466	479	463	470	470	462	458	467	466	466	463	464	466	465	464	464	464	466	466	462	464	466	466	454	479	452	455	453	466			
PKLG	U006	446	449	449	449	448	447	451	449	448	449	446	447	448	449	449	448	448	447	448	444	450	449	447	447	447	449	449	450	449	449	448	449	450	449	449	449	447	437	442	438	438	438	437	437	441	438	438	441		
TBIN	U001	698	698	700	698	698	702	703	700	700	700	703	698	701	700	700	700	702	699	699	698	695	699	700	698	699	699	699	696	697	698	701	703	699	699	699	700	698	701	700	701	702	701	700	698	695	699	700	700		
TBIN	U002	698	702	698	698	699	698	703	704	697	700	700	699	700	696	700	698	698	698	694	696	698	696	697	698	695	702	698	698	698	698	700	697	696	696	696	699	693	701	698	693	700	699	698	697	696	697	701	700	699	
TBIN	U003	448	447	449	450	447	448	443	444	445	446	448	448	449	448	448	448	448	448	449	448	448	448	471	649	695	695	694	696	694	692	694	693	695	693	692	693	694	695	694	693	695	695	692	694	694	694	693			
TBIN	U004	982	983	985	984	983	984	983	981	982	984	983	984	981	983	985	983	985	984	981	982	983	982	983	981	983	982	983	982	984	983	985	983	985	982	982	982	984	982	982	979	984	982	983	984	983	982	983			
Total ST-Coal		10137	10105	10142	10122	10081	10030	9907	9905	9898	9882	9668	9608	9638	9612	9599	9606	9603	9586	9582	9607	9585	9572	9553	9719	9773	9832	9839	9829	9817	9825	9855	9844	9839	9848	9841	9848	9805	9713	9913	10038	10122	10245	10302	10407	9823	9841	9820	9820		
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			
PKLG	U001	80	107	0	0	0	0	0	0	0	34	34	55	72	75	76	87	114	147	137	144	144	144	147	147	147	147	145	145	145	145	145	145	145	145	146	146	145	145	145	146	145	145	145	144	145	145	144	145	145	
Total ST-Gas		80	107	0	0	0	0	0	0	0	34	34	55	72	75	76	87	114	147	137	144	144	144	147	147	147	147	145	145	145	145	145	145	145	145	146	146	145	145	145	146	145	145	145	144	145	145	144	145	145	
CBPS	BLK2	220	221	222	221	221	221	222	222	222	222	221	222	222	222	220	221	222	222	222	222	222	222	222	222	221	221	222	221	344	353	266	285	222	357	308	344	320	220	225	223	292	330	323	334	296	319	297	231	222	
EMPP	BLK1	710	691	672	406	406	476	411	404	396	392	391	393	407	408	400	399	436	453	546	618	640	710	717	711	708	632	629	716	714	692	708	705	712	643	522	415	400	394	477	709	709	709	709	682	709	692	710	705		
EMPP	BLK2	585	414	411	406	406	480	416	404	395	392	397	393	408	408	400	400	442	453	546	624	642	710	718	711	708	635	628	708	713	710	708	709	712	710	710	709	699	683	481	709	707	709	709	682	708	690	711	699		
EMPP	BLK3	585	410	411	405	406	479	416	404	396	392	397	394	408	408	400	400	442	454	550	623	640	709	717	710	709	635	630	716	714	710	708	708	712	710	709	710	700	682	481	709	707	709	709	683	709	693	710	704		
GLGR	GT01	95	95	94	94	93	95	95	93	94	94	94	94	96	94	94	95	94	95	95	94	101	94	95	94	95	93	93	93	93	92	92	92	92	94	94	94	94	106	106	89	95	85	65	65	65	65	93			
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	35	85	97	84	65	65	66	65	24					
GLGR	ST1C	43	43	42	42	42	42	42	42	42	42	42	42	41	42	42	42	42	42	42	42	44	42	42	41	41	41	41	41	42	42	42	41	41	42	42	42	47	47	41	84	88	72	71	71	71	56				
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
KLPP	ST17	140	134	134	134	133	133	134	133	133	134	133	134	134	126	126	128	134	133	133	132	133	134	134	134	134	134	133	133	124	199	172	195	195	195	195	195	195	195	195	196	196	197	197	197	196	196	196	196		
NPRI	BLK1	328	325	326	318	317	324	325	316	309	304	311	307	317	323	311	312	328	326	329	325	325	332	469	423	331	325	327	439	444	503	505	505	500	505	502	505	495	490	506	505	506	500	506	496	509	503	485	488		
NPRI	BLK2	337	331	331	326	324	336	333	321	314	310	317	313	323	328	318	317	344	334	340																															

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	
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	10	10	9	10	10	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	10	9	10	10	10	10	10	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	7	7	7	7	7	7	
HTRG	HY01	123	124	125	125	123	125	125	124	55	68	69	69	69	69	69	123	125	125	124	124	124	125	124	125	124
HTRG	HY02	125	123	123	125	125	124	124	124	115	68	68	69	69	69	68	124	123	124	124	124	124	124	125	124	125
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
HTRG	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	
KNRG	HY01	36	36	23	23	23	0	0	0	0	0	0	0	0	0	37	37	36	36	36	36	36	36	36	36	
KNRG	HY02	38	37	23	23	23	0	0	0	0	0	0	0	0	38	38	38	38	38	37	37	37	37	37	37	
KNRG	HY03	38	38	21	21	21	21	21	21	21	21	21	21	38	38	38	38	38	38	38	38	38	38	38	38	
KNYR	HY01	99	99	99	99	98	99	99	99	96	95	94	94	96	56	54	59	100	99	99	99	100	99	99	99	
KNYR	HY02	100	100	100	99	100	100	100	97	96	95	95	95	98	98	96	100	100	100	100	100	100	100	100	100	
KNYR	HY03	98	98	97	96	95	95	94	93	92	92	92	93	93	95	50	48	54	96	96	95	95	94	94	93	
LPIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	15	15	15	15	15	12	12	12	
LPIA	HY02	16	15	16	15	15	15	15	15	15	15	15	15	16	16	16	16	15	15	15	15	14	14	14	14	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	22	22	22	22	22	23	22	22	17	17	20	19	23	23	18	24	24	25	25	26	26	25	25	25	
PGAU	HY02	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	20	21	20	20	20	20	20	20	
PGAU	HY03	23	23	23	23	23	22	22	18	17	20	18	23	23	19	23	25	26	26	26	26	25	26	25	26	
PGAU	HY04	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	21	150	148	148	148	149	148	149	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	51	30		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	30		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	17	17		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	17	17		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	17	17		
TMGR	HY01	86	74	58	43	44	86	86	43	40	39	41	40	44	44	42	42	85	86	86	86	86	85	85	45	
TMGR	HY02	87	87	87	86	86	91	91	81	41	39	42	41	47	47	43	44	91	90	90	90	90	90	90	90	
TMGR	HY03	81	81	32	31	32	31	32	31	29	27	29	28	32	32	30	32	32	82	82	82	82	82	82	82	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	87	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	95	-1	
UPIA	HY01	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	5	5	5	5	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		1100	1085	946	952	927	910	906	852	713	670	683	697	702	709	608	614	722	1056	1054	1156	1132	1130	1129	1128	1130
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	125	126	127	
KLPP	GT14	141	142	142	144	142	143	143	142	145	143	143	144	144	111	112	115	144	141	141	141	141	143	144	144	
KLPP	GT15	135	136	137	135	135	136	136	136	137	137	136	137	136	103	103	109	136	135	134	134	134	137	137	137	
SGRI	GT11	124	124	125	125	125	125	125	125	125	126	125	126	125	107	106	107	125	124	124	124	123	123	121	122	
SGRI	GT13	123	124	124	123	124	123	124	124	124	125	124	124	124	107	107	108	124	124	123	122	122	121	120	119	
SKSP	BLK1	268	268	267	268	266	268	267	268	268	267	266	267	265	267	186	186	186	267	267	269	271	271	271	270	
Total Distillate		791	794	795	795	792	795	795	795	796	799	795	796	795	796	614	614	625	796	791	791	792	791	796	794	793
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	12	15	15	21	21	19	25	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	10	12	16	19	22	25	28	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	17	21	24	26	29	24	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	13	19	24	31	15	43	15	19	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	11	12	5	22	28	32	25	42	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	17	18	22	21	24	27	30	

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																											
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	22	28	29	36	39	42	44	45	47	39	38	40	37	31	29	22	10	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	18	22	26	28	30	31	31	32	31	30	28	28	27	24	20	16	10	7	3	1	0	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	1	5	9	21	26	31	35	39	42	42	41	15	50	51	30	10	34	8	6	16	11	3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22	36	48	59	67	76	81	71	88	91	91	90	82	73	77	67	58	47	35	21	9	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	5	10	17	22	27	32	36	39	41	43	44	43	42	28	38	36	33	29	24	16	10	6	2	1	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	2	5	10	14	18	22	25	26	29	29	30	30	30	27	26	28	25	21	18	14	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14	28	44	58	73	84	90	100	100	100	100	100	100	93	89	59	66	48	33	20	9	2	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	1	4	9	13	18	23	26	26	19	21	30	30	30	30	25	30	17	28	25	17	11	8	4	1	0	0	0	0	0	0	0	0	0	0	0	0	
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	18	25	27	22	26	25	29	30	29	29	29	29	30	20	10	29	30	29	5	12	2	1	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	2	6	10	20	24	28	14	29	44	46	47	46	48	46	44	42	38	33	28	22	15	8	3	0	0	0	0	0	0	0	0	0	0	0	0		
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	49	71	87	52	49	59	95	95	96	97	97	97	97	96	94	92	88	83	76	49	21	1	0	0	0	0	0	0	0	0	0	0	0	0	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	41	15	31	73	89	99	68	101	101	100	100	100	105	105	96	86	70	49	38	17	6	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	1	4	10	12	22	31	40	46	42	40	50	38	52	19	45	44	30	9	17	16	20	2	1	3	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	1	6	11	17	23	27	31	20	39	41	42	42	43	41	40	37	33	30	24	19	13	7	3	1	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	1	3	5	10	10	10	13	22	11	26	25	25	25	24	22	21	19	8	14	2	4	1	2	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	2	3	3	18	7	30	30	7	8	19	30	30	30	24	30	30	30	23	18	24	17	10	4	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	26	130	293	436	674	757	803	880	939	996	986	1015	959	937	873	831	686	622	528	365	221	94	18	1	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	22	22	22	22	23	27	23	22	24	24	24	22	22	17	19	19	22	21	20	24	23	23	27	22	27	22	14	22	16	22	25	13	20	18	22	20	12	0	16	22	25	24	23	21	21	22	21				
KHTC	BLK1	-20	-17	-18	-19	-17	-17	-15	-14	-14	-11	-12	-14	-10	-12	-15	-15	-16	-22	-24	-26	-29	-31	-33	-41	-41	-39	-38	-42	-40	-41	-46	-42	-42	-44	-43	-41	-38	-36	-40	-38	-38	-36	-32	-29	-31	-25	-23	-24			
PCUF	CUFG	3	4	4	4	3	2	3	3	3	4	4	3	4	3	3	4	5	2	3	3	5	3	4	3	4	2	4	3	3	2	4	4	2	1	3	3	3	3	5	2	3	3	2	4	4	3					
PCUF	CUFK	2	4	2	3	3	3	3	3	6	3	5	2	2	2	5	3	2	3	4	2	2	2	4	3	3	3	2	4	3	3	3	3	5	3	4	3	2	2	3	2	2	3	1	2	4	3	0	2			
Total Co-Gen		7	13	10	10	12	15	14	14	19	20	21	13	18	11	12	10	12	6	5	2	-1	-3	-1	-8	-12	-6	-10	-22	-11	-19	-18	-12	-20	-17	-19	-15	-13	-19	-34	-17	-9	-6	-4	-1	-4	3	3	2			
Total Gen		17188	16736	16361	16035	15754	15739	15392	15185	14987	14925	14774	14713	14868	14869	14492	14535	15028	15782	16352	16833	17222	17507	17865	17947	17858	17755	17720	18387	18751	19173	19312	19404	19456	19417	19107	18561	17911	17460	17516	18514	18952	18969	19005	18829	18566	18163	17932	17697			
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	0	
TIE-HVDC		-285	-284	-283	-286	-286	0	-28	-27	-29	-29	-30	-28	-29	-29	-28	-30	-31	-284	-288	-284	-285	-283	-285	-283	-282	-285	-283	-282	-284	-283	-289	-291	-289	-291	-291	-290	-292	-291	-292	-99	-98	-98	-99	-96	-97	-291	-293	-291			
TIE-PLTG		28	11	8	34	23	2	10	29	37	50	12	37	15	10	-20	22	7	23	6	7	-15	-13	15	8	22	20	17	20	16	49	52	28	29	71	71	28	60	40	28	19	26	54	59	65	58	38	38	27			
Interconnection		-257	-274	-276	-252	-263	2	-18	2	8	21	-18	9	-14	-19	-48	-8	-24	-261	-282	-277	-301	-296	-271	-275	-261	-265	-265	-262	-267	-234	-237	-262	-260	-219	-219	-262	-232	-251	-264	-81	-72	-44	-40	-31	-39	-253	-255	-264			
System Total		17445	17010	16637	16287	16017	15737	15410	15183	14979	14904	14792	14704	14882	14888	14540	14543	15052	16043	16634	17110	17523	17803	18136	18222	18119	18020	17985	18649	19018	19407	19549	19666	19716	19636	19326	18823	18143	17711	17780	18595	19024	19013	19045	18860	18605	18416	18187	17961			
SRev ST-Coal		159	191	154	174	115	166	289	291	298	314	528	588	558	584	97	90	93	110	134	109	131	144	413	247	193	134	127	137	149	141	111	122	127	118	125	118	158	231	264	273	181	231	174	179	133	125	146	146			
SRev CCGT-Gas		1444	1885	1681	1993	2079	2032	2251	2402	2460	2501	2448	2477	2378	2355	2438	2443	2199	2123	1674	1431	1125	905	603	754	953	1157	1184	552	911	522	594	508	553	696	743	868	1267	1466	1705	922	566	617	625	820	642	1021	1043	1163			
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	0	
SRev ST-Gas		34	36	0	0	0	0	0	0	0	0	31	32	33	34	34	34	34	36	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	39	39	39	38	38	38	38	38	38	38	38	38	38		
SRev Distillate		145	142	141	141	144	141	141	141	140	137	141	140	141	140	322	322	311	140	145	145	144	145	140	142	143	142	144	68	65	68	64	95	94	92	91	91	91	87	83	86	83	85	86	88	86	85	86	109			
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	0	
SRev Co-Gen		40	34	36	38	34	34	30	28	28	22	24	28	20	24	30	30	32	44	48	52	58																														