

Daily System Generation Summary on Wednesday

Wednesday, April 21, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	15,599 MW
Total Co-Gen	0 MW
Total System	21,914 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,081	4.71 %
Gas	72,814	18.97 %
Total TNB	90,895	23.69 %
ST-Coal	210,037	54.73 %
LSS	3,142	0.82 %
Gas	78,540	20.47 %
Total IPP	291,719	76.02 %
Co-Gen	138	0.04 %
Total Co-Gen	138	0.04 %
Total Generation	382,752	99.74 %
PLTG	-300	-0.08 %
HVDC	-697	-0.18 %
Interconnection	-997	-0.26 %
Net Energy	383,749	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	19,160 MW
TNB Generation	4,552 MW
IPP Generation	13,283 MW
Spinning Reserve	1,319 MW
Maximum Demand	17,892 MW
Net Energy	383,749 MWH
Load Factor	89.37 %

Fuel Cost

Total Cost:	60,806,589.23 RM
Cost per Unit	15.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	370
Hydro	467
Syncon	315
Thermal	258
Total	1,410

Time Weather Temperature

Afternoon	Hot	31
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	50
TJGS	217
Total TNB	267
CBPS	54
KLPP	77
NPRI	156
PLPS	74
SGB3	4
SKSP	3
YPKA	48
Total IPP	416
Total Gas	683
Total Gas Required	683

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	15872	15153	14581	14071	13845	13862	13918	13619	14076	15716	16573	17142	16952	16909	17579	17892	17891	17142	16565	16386	17112	17282	16898	16480

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:54:25 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																									
JMAH	U001	702	700	701	702	699	700	702	701	700	702	705	701	699	702	702	652	649	691	692	692	693	693	692	691	693	692	691	691	692	693	693	691	694	689	693	691	692												
JMAH	U002	704	706	705	705	704	704	705	705	708	708	705	703	705	706	705	655	656	696	691	700	697	694	697	698	696	698	696	695	696	696	702	695	696	694	696	697	696	694	697	697	695	692	695	695	694	683	694	691	
JMHE	U002	981	977	981	978	982	897	894	900	897	899	894	851	849	849	851	853	847	983	980	979	981	981	980	976	984	983	977	978	982	981	981	979	975	978	983	980	982	981	984	983	984	975	977	981	978	980	977	982	
JMJG	U001	681	673	682	679	677	680	682	676	678	683	679	679	683	679	682	680	676	675	683	688	672	682	678	677	679	677	682	678	685	678	677	677	679	679	681	666	673	673	673	673	672	667	671	671	671	669	671	671	
JMJG	U002	679	681	676	679	680	677	678	682	680	678	678	677	680	677	679	679	677	677	675	681	677	677	679	685	678	679	680	685	679	678	673	678	678	677	682	672	677	671	671	672	671	679	675	675	677	679	676	679	
JMJG	U003	672	672	673	672	669	673	673	672	674	674	590	576	649	673	609	580	614	688	677	602	581	583	583	583	596	606	664	678	680	682	682	680	679	680	682	668	670	666	673	671	669	673	672	675	669	672	673	668	
JMJG	U005	891	892	892	887	895	890	892	888	888	892	890	894	891	850	851	851	871	889	889	890	889	892	892	891	891	889	888	887	892	888	885	887	886	892	892	894	890	889	891	889	892	892	890	891	887	892	891	889	
PKLG	U003	154	154	155	155	155	154	155	153	156	154	156	156	156	156	156	156	155	155	155	156	156	268	281	281	281	279	279	280	278	281	279	279	278	280	280	280	280	280	282	281	281	281	281	282	281	282	281	282	281
PKLG	U004	172	157	156	154	157	156	153	148	158	153	157	158	156	155	156	156	154	155	155	158	155	264	278	280	268	270	269	271	278	278	277	275	279	279	278	280	278	277	278	277	276	282	281	278	278	279	278		
PKLG	U006	362	276	271	267	267	269	272	272	269	267	269	269	267	268	270	271	266	268	280	366	440	450	450	449	449	449	447	450	446	448	447	449	447	447	446	443	445	448	449	447	447	447	449	446	447	445	447	449	
TBIN	U001	696	698	697	689	648	567	569	548	548	519	498	498	499	498	468	470	534	688	686	687	687	686	687	685	683	684	686	687	687	686	686	685	697	697	663	650	647	647	648	648	649	648	620	615	570	567	548		
TBIN	U002	703	699	701	693	650	569	572	553	553	533	500	501	501	502	469	471	531	682	689	686	686	693	687	693	691	690	692	685	691	689	690	694	690	697	700	687	694	645	656	646	654	643	647	634	619	575	570	538	
TBIN	U003	0	0	0	0	83	196	211	238	272	292	312	356	353	355	473	521	583	499	504	501	501	504	583	633	626	643	503	503	502	504	505	510	559	619	633	633	635	633	634	633	632	634	658	701	700	701	698	699	
TBIN	U004	983	983	983	983	983	917	904	903	903	904	861	853	854	852	853	853	853	935	983	983	984	982	983	982	983	981	985	983	984	982	981	981	981	981	983	983	982	984	981	983	984	982	983	983	982	982	982	982	984
Total ST-Coal		8380	8268	8273	8243	8249	8049	8062	8039	8084	8058	7894	7872	7942	7922	7924	7848	8067	8681	8739	8769	8799	9049	9150	9204	9198	9220	9139	9152	9171	9162	9157	9165	9201	9292	9329	9235	9248	9179	9210	9194	9197	9184	9219	9227	9188	9100	9098	9049	
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		
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		
CBPS	BLK2	362	357	359	357	350	357	357	362	358	357	364	354	361	365	361	359	365	356	357	358	359	362	358	360	348	362	359	356	363	362	363	358	366	362	355	358	359	362	362	357	365	364	357	354	350	365	357	357	
EMPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	186	185	185	377	728	738	742	754	755	754	756	753	758	758	
EMPP	BLK2	188	187	204	202	266	375	374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	68	68	69	69	67	68	67	67	68	68	67	67	68	68	68	69	66	99	100	99	101	99	100	100	100	68	69	85	101	101	100	100	99	100	75	67	66	67	68	85	86	84	85	85	80	68	67	68	
GLGR	GT02	67	68	68	68	68	68	67	68	67	67	68	67	68	68	68	68	68	99	100	100	100	99	100	100	67	68	85	100	100	100	100	100	100	73	67	67	67	68	85	85	85	85	85	85	79	67	67	67	
GLGR	ST1C	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	87	91	91	91	91	91	91	91	77	72	77	91	91	91	91	91	91	91	80	72	73	73	72	84	83	84	83	83	83	73	72	72	
KLPP	GT13	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	135	137	137	138	138	138	138	138	138	138	140	140	140	140	140	122	111	112	116	112	111	112	109	115	112	0	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	100	151	151	151	152	156	158	155	153	153	154	154	153	153	153	155	155	155	155	140	117	116	51	0	0	0	0	0	0	0	0	0
KLPP	GT15	168	149	145	145	145	145	145	145	145	145	145	145	145	146	146	146	146	147	150	158	158	162	162	164	169	166	166	166	167	167	167	167	168	168	169	169	169	169	160	136	133	130	127	127	126	122	130	127	137
KLPP	ST17	121	57	61	61	57	57	57	57	57	57	57	57	57	58	58	57	61	61	110	138	138	134	200	204	204	205	205	203	203	203	202	204	202	204	203	203	203	200	184	188	172	122	122	120	118	123	124	88	
NPRI	BLK1	506	494	505	503	497	495	497	504	497	500	505	496	505	506	502	506	506	497	506	505	506	503	502	498	494	502	505	506	505	511	505	506	505	507	503	502	505	503	500	505	498	515	505	496	500	493	506	496	503
NPRI	BLK2	442	478	505	500	494	496	502	514	510	508	527	502	518	520	473	487	521	499	506	510	528	495	469	480	408	488	523	516	524	510	483	479	515	448	502	508	504	503	507	501	516	507	498	503	496	509	498	505	
PCGP	PGRG	603	586	601	597	586	587	590	598	592	593	604	589	602	602	498	502	536	401	402	401	453	501	546	543	532	547	550	602	612	603	601	602	608	601	595	604	598	598	601	592	613	601	590	593	587	603	589	599	
PLPS	GT11	115	131	128	129	129	129	128	129</																																									

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		
YPKA	GT12	67	67	68	68	119	68	67	68	67	68	67	68	67	68	68	68	126	126	127	125	133	132	132	131	131	132	131	132	131	130	131	130	130	131	131	131	131	131	68	68	68	132	134	134	135	136	136	136	136
YPKA	ST10	31	32	32	32	51	33	33	32	33	33	33	32	33	33	33	33	53	54	54	89	122	123	123	122	122	122	123	123	123	122	123	122	122	122	122	122	87	80	80	118	122	121	121	120	122	121	121		
YPKA	GT21	67	67	67	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
YPKA	ST20	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		6432	6255	6109	5997	5910	5883	5658	5478	5456	5457	5496	5436	5482	5493	5335	5359	5516	5448	5682	6010	6267	6450	6633	6651	6507	6685	6713	6795	6878	6831	6788	6813	6768	6771	6843	6845	6758	6734	6804	6912	7072	6930	6868	6892	6793	6680	6627	6522	
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	0	
BSIA	HY01	21	21	21	21	21	21	21	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	11	0	0	0	0	12	21	21	21	21	21	21	21		
BSIA	HY02	23	23	23	23	23	23	23	11	11	12	12	12	12	12	11	12	12	12	12	12	12	12	12	12	11	11	12	12	12	12	12	12	12	12	11	12	12	12	12	12	24	23	23	23	23	23	23	23	
BSIA	HY03	24	23	23	24	23	23	23	23	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	12	11	12	0	0	0	0	11	24	23	23	23	23	23	23		
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	9	9	9	9	10	10	9	10	9	9	10	10	10	9	9	10	9	9	9	9	9	9	10	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	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	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	7	
HTRG	HY01	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	124	125	125	124	125	125	52	-1	-1	65	124	125	124	125	125	124	-1	-1	-1	-1	-1	-1	-1	-1	64	64	64	64	-1	-1	-1
HTRG	HY02	63	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	125	124	125	124	124	124	71	63	-1	64	124	125	124	125	124	124	64	63	-1	-1	-1	-1	-1	-1	65	64	65	65	64	64	-1
KNRG	HY01	36	36	36	36	36	36	36	36	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	0	0	0	0	0	0	0	0	21	36	36	36	36	36	36	36		
KNRG	HY02	37	37	37	37	37	37	37	37	22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	0	0	0	0	0	0	0	24	37	37	37	37	37	37	37			
KNRG	HY03	36	36	36	36	36	36	36	36	23	23	24	23	24	24	23	24	24	23	24	24	24	23	23	23	23	24	23	24	23	23	24	24	23	24	23	23	23	38	37	36	36	36	36	36	36				
KNYR	HY01	95	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	100	99	100	99	99	99	96	55	59	101	100	100	100	99	100	101	96	58	57	55	55	56	59	101	98	97	95	100	99	56	
KNYR	HY02	96	96	55	56	-1	-1	-1	-1	-1	102	100	99	101	58	-1	-1	99	99	99	98	99	99	99	97	57	60	99	99	99	99	98	98	99	97	59	58	56	-1	-1	61	99	99	98	96	98	99	98		
KNYR	HY03	95	95	95	54	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	98	98	101	99	99	99	95	55	58	101	101	101	101	101	101	101	97	58	58	56	56	57	61	101	99	98	97	101	59	57			
KNYR	HY04	95	95	95	55	58	59	58	75	59	60	102	60	67	77	62	68	103	88	88	87	102	81	64	70	56	68	99	93	102	98	69	76	102	61	56	59	58	60	58	57	99	94	58	58	56	101	59	58	
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	14	14	14	14	14	14	14	14	14	14	12	12	12	12				
LPIA	HY02	15	15	15	12	12	12	12	12	15	10	11	11	11	12	12	12	14	16	16	16	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	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	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	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	21	21	81	21	21	111	111	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	22	21	-1	21	-1	-1	21	21	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	21	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	0	0	0	0	0	48	48	48	48	47	0	0	0	0	0	0	0	0	30	30	30	30	30	29	
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	30	28	0	0	0	0	50	50	50	50	50	24	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	0	0	0	0	0	0	0	0	50	50	50	50	50	30	30	30	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	17	17	0	0	0	0	25	25	25	25	25	0	0	0	0	0	0	0	0	25	25	25	24	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	17	0	0	0	0	0	25	25	25	25	25	17	17	17	0	0	0	0	0	25	25	25	25	25		
SYPS	HY03	0	0	0	0	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	25	25	25	25	17	17	17	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	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY01	52	41	44	43	40	47	47	59	41	42	86	41	52	64	56	62	81	74	78	79	86	67	51	64	40	59	86	86	85	81	60	64																	

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																									
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	14	19	23	26	23	30	25	30	19	26	30	29	30	30	30	22	20	12	12	7	2	0	0	0	0	0	0	0	0	0	0	0		
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	10	25	18	31	19	21	26	13	27	15	20	16	15	3	3	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	13	19	20	30	31	36	49	35	44	42	39	35	28	37	20	11	7	2	1	0	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	2	4	9	14	10	10	6	4	4	18	11	20	26	23	30	21	25	23	2	0	0	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	1	4	11	18	25	31	35	39	27	44	49	47	44	47	45	44	40	39	33	25	23	19	9	3	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	6	7	10	9	4	7	10	9	19	15	18	27	38	39	33	17	16	16	16	9	6	2	1	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	1	5	11	17	26	29	33	28	42	35	44	33	47	40	41	44	29	40	26	26	19	14	8	2	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	3	11	14	20	24	28	30	30	30	23	30	14	25	23	18	19	28	26	12	20	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	2	8	15	17	31	21	10	23	23	31	30	29	48	40	29	21	30	14	5	4	4	2	1	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	1	5	14	28	29	38	44	35	52	50	50	22	11	20	43	28	34	28	12	7	6	3	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	2	8	12	18	24	29	33	36	40	42	43	43	43	42	41	38	34	32	15	8	3	3	1	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	2	1	8	12	2	13	17	14	20	29	11	7	17	20	25	17	12	3	1	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	0	2	11	2	1	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	13	59	131	203	257	303	323	346	380	450	409	383	417	416	440	409	371	323	221	164	141	78	40	13	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	4	3	3	3	2	4	2	3	2	2	3	1	3	2	3	2	3	4	1	1	2	3	4	1	1	2	3	1	2	3	3	3	1	1	3	4	1	3	2	2	3	1	2						
PCUF	CUFK	3	3	4	3	3	5	3	7	3	4	2	4	2	2	3	3	2	3	2	3	4	3	4	3	4	4	4	3	4	3	4	3	3	3	3	4	2	3	2	2	4	3	3						
Total Co-Gen		7	6	7	6	5	9	5	10	5	6	3	6	7	6	7	8	4	4	6	4	5	5	7	6	6	6	8	5	5	6	6	5	5	7	7	6	4	4	6	8	3	6	4	4	7	4	5		
Total Gen		15821	15357	15085	14732	14584	14289	14072	13903	13815	13755	13824	13701	13862	13858	13544	13460	14027	15059	15627	16068	16462	16890	17112	17239	16858	16874	16828	17206	17528	17818	17841	17848	17884	17708	17117	16781	16529	16335	16348	16517	17023	17309	17274	17197	16886	16726	16503	16241	
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	-29	-29	-29	-29	-30	-30	-30	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		-20	-11	-36	-38	35	-16	34	-6	3	-35	-8	16	-24	-25	-43	-44	-17	17	-57	-30	-79	-42	2	-23	-61	-35	-49	-23	-18	-39	-18	-5	25	46	7	-6	-3	23	-5	-43	-56	25	25	15	20	-32	55	-2	
Interconnection		-48	-39	-65	-67	6	-46	4	-36	-27	-64	-35	-14	-53	-54	-72	-73	-46	-12	-86	-59	-108	-71	-27	-52	-91	-64	-78	-52	-47	-68	-47	-35	-4	16	-22	-35	-32	-6	-34	-72	-85	-3	-4	-14	-9	-61	26	-32	
System Total		15872	15399	15153	14802	14581	14338	14071	13942	13845	13822	13862	13718	13918	13915	13619	13536	14076	15074	15716	16130	16573	16964	17142	17294	16952	16941	16909	17261	17579	17890	17892	17887	17891	17695	17142	16819	16565	16345	16386	16593	17112	17316	17282	17215	16898	16790	16480	16276	
SRev ST-Coal		198	211	199	225	321	495	582	567	528	498	641	533	570	590	630	762	704	389	343	401	403	352	251	233	243	281	362	349	330	339	194	186	200	129	92	186	173	242	211	227	224	237	252	244	267	266	260	258	
SRev CCGT-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		841	779	725	771	441	577	587	393	415	414	375	435	389	378	536	512	355	576	488	610	467	437	326	308	457	374	347	265	182	229	272	247	196	279	303	300	387	603	884	570	414	414	478	454	482	375	434	386	
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	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	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	0
Syncon		302	615	741	741	778	1030	1030	1030	1030	1030	742	742	591	742	929	1030	930	476	476	476	476	325	325	325	512	602	577	325	325	174	0	0	0	87	451	638	915	915	1016	842	554	302	302	302	576	702	702	828	
Hydro		480	341	261	285	314	134	135	106	212	184	211	255	362	205	177	122	159	299	147	166	156	332	419	397	461	414	406	411	486	565	853	841	668	749	543	527	315	276	236	322	484	290	401	508	408	244	322	305	
S.Reserve Total		1821	1946	1926	2022	1854	2236	2334	2096	2185	2126	1969	1965	1912	1915	2272	2426	2148	1740	1454	1653	1502	1446	1321	1263	1673	1671	1692	1350	1323	1307	1319	1274	1064	1244	1389	1651	1790	2036	2347	1961	1676	1243	1433	1508	1733	1587	1718	1777	