

Daily System Generation Summary on Friday

Friday, October 21, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,322 MW
Distillate	0 MW
Total TNB	2,322 MW
Total IPP	17,697 MW
Total Co-Gen	0 MW
Total System	22,884 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,927	6.83 %
Gas	39,849	10.49 %
Total TNB	65,776	17.32 %
ST-Coal	224,305	59.07 %
LSS	5,448	1.43 %
Distillate	2,596	0.68 %
Gas	80,543	21.21 %
Total IPP	312,892	82.39 %
Co-Gen	550	0.14 %
Total Co-Gen	550	0.14 %
Total Generation	379,218	99.86 %
PLTG	1,411	0.37 %
HVDC	-1,949	-0.51 %
Interconnection	-538	-0.14 %
Net Energy	379,756	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,798 MW
TNB Generation	3,704 MW
IPP Generation	13,966 MW
Spinning Reserve	1,095 MW
Maximum Demand	17,750 MW
Net Energy	379,756 MWH
Load Factor	89.14 %

Fuel Cost

Total Cost:	132,507,974.31 RM
Cost per Unit	34.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	712
Hydro	475
Syncon	239
Thermal	138
Total	1,564

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	33
SRDG	2
TJGS	144
Total TNB	178
EMPP	280
NPRI	69
PCGP	83
PGLA	43
PLPS	39
SGB3	1
SGRI	3
SPGP	98
Total IPP	617
Total Gas	795
Total Gas Required	826

Alternate Fuel Usage

Station	(mmscfd)
PLPS	31
Total	31

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	16043	15246	14709	14187	13862	13684	13671	13686	13881	15376	16295	16769	16722	16491	16929	17611	17687	17382	16340	16668	17109	16798	16289	15913

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 4:53:01 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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			
JMAH	U002	704	711	705	704	702	704	700	704	707	704	705	704	706	706	705	706	703	706	701	706	700	706	701	706	705	706	701
JMHE	U001	981	978	975	977	980	975	975	900	902	902	900	897	895	901	899	901	899	950	978	981	979	979	979	976	978	978	978
JMHE	U002	983	978	979	979	984	978	977	898	900	902	901	899	897	901	898	903	902	961	977	981	980	979	978	978	978	979	978
JMJG	U001	644	662	623	581	612	680	673	679	677	677	678	680	677	677	677	678	675	679	681	678	678	677	679	681	679	664	671
JMJG	U002	683	678	679	682	680	677	673	686	673	682	679	681	673	682	687	633	667	670	675	688	662	672	674	668	677	667	662
JMJG	U003	682	678	686	671	689	672	689	671	688	677	687	677	677	690	673	688	681	683	675	682	681	679	682	671	688	680	681
JMJG	U004	979	980	977	977	972	975	977	933	908	906	906	905	906	907	907	905	906	922	977	980	980	978	975	975	974	976	977
JMJG	U005	977	977	977	977	977	978	977	899	900	900	898	899	899	904	899	899	902	933	979	982	982	979	983	979	981	981	981
PKLG	U003	281	282	282	279	280	281	280	278	280	278	280	163	216	249	246	278	281	281	280	280	281	278	279	279	281	280	280
PKLG	U004	275	280	276	273	272	272	270	272	270	272	272	275	272	275	272	275	276	274	272	276	200	203	204	205	202	205	202
PKLG	U005	466	464	467	464	467	467	466	464	467	469	469	465	467	474	466	468	469	462	460	464	468	465	466	464	466	465	468
PKLG	U006	449	442	442	447	446	443	445	446	441	442	442	438	443	443	440	440	445	444	445	442	445	442	440	441	444	443	446
TBIN	U002	702	702	697	703	701	706	701	700	701	701	699	699	705	703	700	701	702	695	702	699	701	703	701	700	699	703	698
TBIN	U003	699	700	699	699	699	697	696	702	699	700	701	696	700	697	700	700	699	698	700	696	697	698	699	699	696	698	699
Total ST-Coal		9505	9512	9464	9413	9461	9505	9503	9228	9210	9215	9216	9079	9131	9209	9171	9175	9211	9353	9501	9532	9442	9437	9444	9412	9458	9437	9460
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
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
EMPP	BLK1	600	619	679	525	412	408	400	411	410	410	410	420	403	410	422	409	410	411	408	411	706	666	710	694	686	710	688
EMPP	BLK2	659	707	688	693	522	409	400	412	411	412	410	422	403	410	418	410	412	514	447	699	709	711	710	710	688	709	696
EMPP	BLK3	707	709	708	709	608	506	399	710	553	427	416	561	578	652	502	409	549	642	692	666	709	711	710	710	688	708	699
GLGR	GT01	76	93	92	94	94	92	92	94	92	93	94	94	92	94	92	93	92	92	91	91	92	91	91	91	92	91	91
GLGR	GT02	61	0	0	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	ST1C	71	39	41	42	41	41	41	41	41	41	41	42	41	41	41	40	41	40	40	40	41	41	40	40	40	40	48
NPRI	BLK2	395	306	305	308	308	304	297	311	307	309	310	310	300	310	310	308	311	308	516	514	518	518	518	514	511	512	518
PCGP	PGRG	600	602	600	601	598	488	382	401	402	401	402	404	385	403	402	401	401	601	598	597	602	600	604	603	611	604	597
PGLA	GT12	147	146	146	148	146	146	147	146	145	147	147	146	145	146	148	146	148	146	146	146	147	146	146	147	147	146	147
PGLA	ST10	87	87	87	87	87	87	87	87	87	87	87	85	87	87	87	87	86	87	87	86	87	86	87	87	86	87	86
PLPS	GT11	115	130	128	129	128	128	128	128	127	129	128	128	129	129	127	128	129	129	128	127	127	130	127	129	128	128	124
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	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
PLPS	ST18	170	119	58	59	57	58	60	58	59	58	59	59	59	59	58	58	59	58	59	58	60	60	59	59	59	56	141
SGB3	GT31	113	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	ST34	65	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	17	54	37	38	37	36	36	36	
SGRI	ST14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
SPGP	BLK2	712	720	719	717	716	711	706	500	498	499	499	499	491	501	398	361	360	705	715	712	715	717	717	714	707	714	714
TJGS	GT1A	100	100	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	200	220	130	125	125	125	125	125
TJGS	GT1B	98	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	
TJGS	ST1C	141	62	65	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	92	111	89	78	78	78	78	
TJGS	GT2A	132	131	132	132	132	132	131	131	132	133	132	132	132	133	133	133	131	132	132	132	133	165	190	205	171	171	
TJGS	GT2B	126	127	126	126	126	125	127	126	126	126	126	126	126	126	126	126	126	126	126	126	126	157	182	199	164	164	
TJGS	ST2C	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	210	227	244	218	218		
Total CCGT-Gas		5368	5074	4897	4765	4370	4030	3792	3951	3785	3667	3656	3823	3766	3896	3659	3505	3650	4393	4597	4855	5206	5169	5382	5462	5347	5300	
SRDG	GT04	0	0	0	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 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
BSIA	HY01	21	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	11	11	22	22	22	22	22	22	22	22
BSIA	HY02	20	20	20	20	20	20	12	12	12	12	12	12	12	12	12	12	20	20	20	20	20	20	20	20	20	20	20

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	
BSIA	HY03	22	22	22	22	22	22	22	0	0	0	0	0	0	0	0	11	11	23	23	23	23	23	23	23	23
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	
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	
CEND	HY03	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	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	63	63	63	63	63	63	63	63	62	62	62	62	62	62	63	63	63	63	119	120	118	121	120	62	0
HTRG	HY02	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	117	63	63	63	64	63
HTRG	HY03	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	32	32	32	32	32	32	32	32	32	32	32	31	31	31	31	31	31	31	32	31	32	31	32	31	
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	37	
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
KNYR	HY02	100	100	101	100	100	100	100	100	100	101	100	100	103	103	104	103	103	103	104	103	103	103	103	104	
KNYR	HY03	101	101	101	100	100	99	99	98	99	99	99	100	101	101	100	99	99	98	98	99	99	101	101	101	
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
LPIA	HY01	20	20	20	20	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	16	16	16	16	16	
LPIA	HY02	20	20	20	20	17	17	17	17	17	17	17	17	17	18	18	18	18	17	17	17	17	16	16	16	
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	23	23	23	22	23	23	23	23	23	23	23	23	83	84	84	84	83	83	23	23	
PGAU	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	85	85	85	84	85	23	23	
SIHY	HY01	0	0	0	0	15	51	50	50	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	40	
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	25	25	
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	25	25	
TMGR	HY01	42	42	42	42	42	41	64	42	44	42	70	42	42	44	43	81	80	80	79	78	78	78	78	75	
TMGR	HY02	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	83	83	82	82	83	83	83	82	82	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	78	78	78	78	78	77	77	77	77	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	78	78	78	78	78	78	78	78	78	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	92	88	88	179	179	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	94	94	94	95	-1	-1	
UPIA	HY01	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5	6	5	5	5	5	5	5	5	5	
UPIA	HY02	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	
Total Hydro		943	835	836	834	829	844	879	849	829	783	780	809	779	780	783	783	829	828	884	969	1035	1113	1113	1111	1076
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT12	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	143	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	143	
Total Distillate		192	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	12	14	18	19	22	18	26	27	26	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	10	14	20	23	27	30	31	32	35	24	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	15	17	22	26	22	30	22	32	29	28	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	21	17	18	32	27	32	46	28	46	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	20	14	15	28	31	39	44	40	33	27	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	13	16	15	17	12	9	10	9	9	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	14	21	28	33	37	42	45	31	23	21	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	15	20	24	28	25	22	18	24	25	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	9	15	15	21	25	43	39	34	25	24	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	11	17	34	52	60	70	77	86	91	90	84	82	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	21	12	31	30	24	42	40	44	42	

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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																										
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	12	17	22	25	26	25	30	29	29	27	18	7	2	7	9	3	2	1	2	1	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	4	19	33	51	67	78	73	91	100	100	100	100	83	100	42	27	13	0	3	13	18	16	3	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	1	6	9	14	19	14	24	30	24	12	30	27	24	11	12	7	2	0	1	4	6	5	1	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	2	6	9	6	11	8	32	29	23	31	33	27	37	51	30	43	41	37	30	23	14	4	0	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	6	16	8	8	15	14	47	57	48	62	56	50	43	89	51	76	56	86	83	75	56	7	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	7	10	22	58	64	102	107	108	92	92	73	62	68	73	58	52	52	47	16	18	7	2	2	2	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	2	5	10	19	18	24	28	24	36	27	25	28	24	10	16	29	26	24	38	25	7	3	1	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	1	7	13	15	26	27	20	23	21	32	41	42	45	43	37	18	11	7	2	0	1	2	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	1	3	5	8	11	15	16	12	23	11	8	10	20	21	25	28	17	19	18	3	2	1	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	3	5	9	7	9	30	30	30	30	29	21	25	31	25	13	30	12	9	9	7	2	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	34	133	222	353	472	568	723	802	834	802	832	746	790	819	659	477	407	392	359	232	168	67	12	2	2	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	17	8	1	3	15	17	15	5	3	7	7	3	15	13	18	16	16	1	5	17	17	16	1	3	1	17	15	0	5	0	0	12	19	21	20	20	23	19	19	18	17	7	15	3	7	2	17	20		
KHTC	BLK1	0	1	1	0	3	2	2	1	2	2	3	1	2	1	3	0	0	0	0	0	0	0	0	0	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	4	5	5	4	4	4	5	5	5	6	4	4	5	3	5	5	4	5	5	5	5	5	4	4	5	5	5	5	5	4	5	5	5	3	4	4	5	3	6	4	5	5	3	5	5	5	5			
PCUF	CUFK	3	4	3	4	4	3	3	5	3	5	1	5	3	4	6	4	4	3	4	3	3	3	6	4	4	4	3	4	4	4	3	4	4	4	4	3	4	2	4	2	4	4	5	5	4	4				
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Co-Gen		24	18	10	11	26	26	24	14	15	17	21	9	26	22	29	30	28	9	12	26	29	29	14	15	16	31	29	14	18	13	14	26	32	33	33	33	37	31	33	31	29	21	25	17	20	17	32	34		
Total Gen		16032	15504	15207	15023	14686	14405	14198	14042	13839	13682	13673	13720	13702	13907	13642	13527	13851	14805	15347	15854	16280	16471	16755	16834	16699	16684	16563	16770	17013	17337	17600	17694	17626	17703	17398	16804	16346	16148	16655	17209	17050	16964	16776	16618	16220	16035	15870	15594		
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		-28	-30	-29	-27	-29	-57	-58	-58	-59	-58	-57	-61	-57	-59	-58	-97	-97	-97	-98	-99	-96	-97	-96	-98	-98	-99	-96	-99	-98	-97	-97	-96	-98	-97	-99	-97	-96	-100	-98	-98	-95	-98	-100	-97	-97	-100	-47			
TIE-PLTG		17	-56	-9	-26	6	73	69	28	36	26	46	59	88	60	14	23	67	77	68	53	84	82	83	89	76	77	171	170	183	104	86	68	35	51	113	74	103	76	86	96	38	70	76	-11	28	-30	56	-32		
Interconnection		-11	-86	-39	-53	-23	16	11	-30	-23	-32	-11	-1	31	1	-44	-74	-30	-19	-29	-45	-15	-14	-14	-8	-23	-21	72	74	84	6	-11	-29	-61	-47	16	-25	6	-21	-13	-1	-59	-26	-22	-111	-69	-127	-43	-80		
System Total		16043	15590	15246	15076	14709	14389	14187	14072	13862	13714	13684	13721	13671	13906	13686	13601	13881	14824	15376	15899	16295	16485	16769	16842	16722	16705	16491	16696	16929	17331	17611	17723	17687	17750	17382	16829	16340	16169	16668	17210	17109	16990	16798	16729	16289	16162	15913	15674		
SRev ST-Coal		115	128	156	203	159	155	157	429	448	440	438	488	478	441	474	479	445	307	159	128	132	137	130	162	116	137	114	146	116	182	134	136	137	136	142	144	158	204	161	146	141	137	149	128	128	113	126	97		
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	59	0	86	0	0	0	0	0	0			
SRev CCGT-Gas		1388	1474	993	1125	1520	1860	2098	1939	2105	2223	2234	2067	2124	1994	2231	2385	2240	1542	1338	1080	769	796	583	503	638	685	730	557	740	602	572	521	545	557	633	687	776	974	865	618	613	621	661	713	923	1048	933	923		
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 Distillate		94	78	0	0	0	0	0	0	0	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	0	91	-7	93	-8	-7	-7	-8	-9	12	-10	3	1			
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		462	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	462	462	374	374	374	374	374	374	374	374	374	374	187	0	0	0	0	0	374	462	462	0	0	0	0	187	374	462	462	462	462
Hydro		527	472	471	473	478	513	478	460	480	476	479	450	480	479	476	476	430	431	510	513	447	457	457	459	494	486	497	460	460	433	477	438	472	402	431	483	437	453	527	381	604	599	506	409	471	457	456	548		
S.Reserve Total		2586	2702	2170	2351	2707	3078	3283	3378	3583	3689	3701	3555	3632	3464	3731	3890	3665	2830	2557	2183	1810	1764	1544	1498	1622	1682	1715	1537	1690	1404	1183	1095	1154	1095	1273	1688	1924	2086	1646	1196	1351	1436	1495	1615	1996	2070	1980	2031		