

RECEIVED

AUG 17 2009

PUBLIC SERVICE
COMMISSION

KENTUCKY POWER COMPANY

**INTEGRATED RESOURCE PLANNING REPORT
TO THE
KENTUCKY PUBLIC SERVICE COMMISSION**

CHAPTER 2, APPENDIX

VOLUME B

BOOK 2 OF 3

Case No. 2009- 00339

August 17, 2009

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF OLIVE HILL	1999	1	1.178129	619.0414	1/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	2	0	431.6534	2/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	3	0	516.2496	3/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	4	9.457758	267.5335	4/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	5	32.07129	32.30037	5/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	6	149.197	0	6/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	7	346.6645	0	7/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	8	430.0498	0	8/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	9	219.0665	0.130903	9/1/1999	1		0	0
KPC	5.2	CITY OF OLIVE HILL	1999	10	45.61977	14.59571	10/1/1999	1	2034000	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	11	2.552613	121.74	11/1/1999	1	1624800	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	12	0	297.5758	12/1/1999	1	1805400	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	1	0	539.714	1/1/2000	1	2770800	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	2	0	715.2552	2/1/2000	1	2322600	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	3	2.029	278.1694	3/1/2000	1	2514000	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	4	4.712516	153.6149	4/1/2000	1	1922400	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	5	51.44497	57.33561	5/1/2000	1	1805400	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	6	143.7317	0.130903	6/1/2000	1	1762800	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	7	261.9701	0	7/1/2000	1	2264400	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	8	229.8006	0	8/1/2000	1	2232600	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	9	199.6274	0.654516	9/1/2000	1	2171400	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	10	69.05145	36.16202	10/1/2000	1	2149800	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	11	9.588661	124.0635	11/1/2000	1	1719600	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	12	0	548.3209	12/1/2000	1	2310600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	1	0	817.2616	1/1/2001	1	2946600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	2	0	632.8189	2/1/2001	1	3016800	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	3	0	442.9765	3/1/2001	1	2213400	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	4	38.15829	304.0227	4/1/2001	1	1875000	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	5	85.0871	46.60155	5/1/2001	1	1926600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	6	91.37045	2.748968	6/1/2001	1	1950600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	7	227.4444	0	7/1/2001	1	2127600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	8	331.3161	0	8/1/2001	1	2043600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	9	257.6503	0.130903	9/1/2001	1	1536600	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	10	63.06263	27.19515	10/1/2001	1	1618800	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	11	18.65371	131.2959	11/1/2001	1	2665800	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	12	0.589065	170.5669	12/1/2001	1	2473200	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF OLIVE HILL	2002	1	0	573.4216	1/1/2002	1	2822400	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	2	0	472.8879	2/1/2002	1	2305800	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	3	1.178129	420.6902	3/1/2002	1	1447200	-1	0
KPC	5.2	CITY OF OLIVE HILL	2002	4	17.96647	225.3172	4/1/2002	1	3568800	1	0
KPC	5.2	CITY OF OLIVE HILL	2002	5	51.18316	59.92095	5/1/2002	1	1759200	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	6	134.4049	34.493	6/1/2002	1	2199600	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	7	308.1135	0	7/1/2002	1	2733000	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	8	391.1388	0	8/1/2002	1	2510400	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	9	345.4863	0	9/1/2002	1	2182800	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	10	140.001	12.95942	10/1/2002	1	1769400	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	11	13.90847	159.342	11/1/2002	1	2152200	0	0
KPC	5.2	CITY OF OLIVE HILL	2002	12	1.832645	476.1278	12/1/2002	1	3134400	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	1	0	567.1055	1/1/2003	1	2929200	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	2	0	792.3245	2/1/2003	1	2545200	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	3	0	534.6742	3/1/2003	1	2048400	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	4	15.44658	141.3428	4/1/2003	1	1948800	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	5	38.48555	30.5659	5/1/2003	1	1759200	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	6	52.32856	0	6/1/2003	1	1802400	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	7	220.2774	0	7/1/2003	1	2522400	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	8	262.7882	0	8/1/2003	1	2311800	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	9	251.0724	0	9/1/2003	1	1956000	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	10	36.62018	35.6384	10/1/2003	1	1899600	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	11	8.639613	98.63558	11/1/2003	1	1945200	0	0
KPC	5.2	CITY OF OLIVE HILL	2003	12	0.981774	345.9772	12/1/2003	1	2980200	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	1	0.785419	558.7277	1/1/2004	1	5491800	0	1
KPC	5.2	CITY OF OLIVE HILL	2004	2	0.261806	719.7714	2/1/2004	1	2680200	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	3	2.356258	418.0067	3/1/2004	1	2263200	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	4	13.0576	231.0442	4/1/2004	1	1889400	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	5	72.52039	57.13926	5/1/2004	1	1944600	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	6	198.9729	3.959823	6/1/2004	1	2245800	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	7	254.3122	0	7/1/2004	1	2372400	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	8	251.0069	0	8/1/2004	1	2116800	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	9	220.081	0	9/1/2004	1	2262000	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	10	65.41889	9.686839	10/1/2004	1	1676400	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	11	13.0576	62.44084	11/1/2004	1	1890000	0	0
KPC	5.2	CITY OF OLIVE HILL	2004	12	1.898097	288.0198	12/1/2004	1	3109200	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC		5.2 CITY OF OLIVE HILL	2005	1	0	487.8436	1/1/2005	1	2632200	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	2	0	585.5629	2/1/2005	1	2297241	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	3	0	499.7394	3/1/2005	1	2515200	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	4	5.857919	232.2714	4/1/2005	1	1809000	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	5	21.56631	67.10427	5/1/2005	1	1762200	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	6	125.8798	9.146863	6/1/2005	1	2341800	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	7	358.4458	0	7/1/2005	1	2608800	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	8	457.3104	0	8/1/2005	1	2551800	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	9	344.6682	0	9/1/2005	1	2316600	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	10	158.7365	5.710653	10/1/2005	1	1744800	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	11	9.997734	143.9445	11/1/2005	1	2559000	0	0
KPC		5.2 CITY OF OLIVE HILL	2005	12	1.472661	488.5472	12/1/2005	1	2883000	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	1	0	487.7781	1/1/2006	1	2774912	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	2	0	415.045	2/1/2006	1	2529599	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	3	1.374484	469.9099	3/1/2006	1	2388699	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	4	16.55926	244.1672	4/1/2006	1	1791134	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	5	27.8333	19.9791	5/1/2006	1	1887203	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	6	105.3116	3.861645	6/1/2006	1	2051454	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	7	260.1865	0	7/1/2006	1	2596750	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	8	410.1525	0	8/1/2006	1	2592996	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	9	260.7756	0.916323	9/1/2006	1	1800516	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	10	36.76744	37.9783	10/1/2006	1	2019286	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	11	2.53625	209.2161	11/1/2006	1	2254740	0	0
KPC		5.2 CITY OF OLIVE HILL	2006	12	2.65079	329.9252	12/1/2006	1	2662655	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	1	0.294532	354.0605	1/1/2007	1	2745173	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	2	0	712.2772	2/1/2007	1	2995023	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	3	2.258081	601.1894	3/1/2007	1	2239520	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	4	29.4205	207.8252	4/1/2007	1	1977408	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	5	51.0359	78.36194	5/1/2007	1	2037488	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	6	180.4337	3.223492	6/1/2007	1	2198936	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	7	293.4687	0	7/1/2007	1	2349522	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	8	344.0464	0	8/1/2007	1	2772236	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	9	379.4557	0	9/1/2007	1	2106517	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	10	176.3103	6.59425	10/1/2007	1	1932195	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	11	29.89502	128.7597	11/1/2007	1	2276993	0	0
KPC		5.2 CITY OF OLIVE HILL	2007	12	0	366.3981	12/1/2007	1	2791299	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF OLIVE HILL	2008	1	0	497.9886	1/1/2008	1	3154233	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	2	0	607.8164	2/1/2008	1	2755285	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	3	0	519.7349	3/1/2008	1	2454729	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	4	1.439935	234.235	4/1/2008	1	1874737	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	5	18.76825	52.01767	5/1/2008	1	1807207	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	6	111.5786	3.567113	6/1/2008	1	2220862	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	7	232.4187	0	7/1/2008	1	2398257	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	8	281.3765	0	8/1/2008	1	2280182	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	9	261.0538	0	9/1/2008	1	2010659	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	10	101.63	8.639613	10/1/2008	1	1916447	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	11	12.14618	141.9253	11/1/2008	1	2417100	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	12	1.742104	366.913	12/1/2008	1	2985408	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	1	0.368711	581.6619	1/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	2	0.045816	635.7332	2/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	3	1.252308	463.579	3/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	4	12.6518	233.1905	4/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	5	42.61718	59.21298	5/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	6	131.279	6.354261	6/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	7	279.4773	0.032726	7/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	8	339.383	0	8/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	9	265.6916	0.247625	9/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	10	86.34159	23.18896	10/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	11	12.14618	141.9253	11/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2009	12	1.742104	366.913	12/1/2009	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	1	0.368711	581.6619	1/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	2	0.045816	635.7332	2/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	3	1.252308	463.579	3/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	4	12.6518	233.1905	4/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	5	42.61718	59.21298	5/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	6	131.279	6.354261	6/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	7	279.4773	0.032726	7/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	8	339.383	0	8/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	9	265.6916	0.247625	9/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	10	86.34159	23.18896	10/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	11	12.14618	141.9253	11/1/2010	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2010	12	1.742104	366.913	12/1/2010	1		0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF OLIVE HILL	2011	1	0.368711	581.6619	1/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	2	0.045816	635.7332	2/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	3	1.252308	463.579	3/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	4	12.6518	233.1905	4/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	5	42.61718	59.21298	5/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	6	131.279	6.354261	6/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	7	279.4773	0.032726	7/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	8	339.383	0	8/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	9	265.6916	0.247625	9/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	10	86.34159	23.18896	10/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	11	12.14618	141.9253	11/1/2011	1		0	0
KPC	5.2	CITY OF OLIVE HILL	2011	12	1.742104	366.913	12/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	1	1.178129	619.0414	1/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	2	0	431.6534	2/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	3	0	516.2496	3/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	4	9.457758	267.5335	4/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	5	32.07129	32.30037	5/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	6	149.197	0	6/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	7	346.6645	0	7/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	8	430.0498	0	8/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	9	219.0665	0.130903	9/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	1999	10	45.61977	14.59571	10/1/1999	1	12234300	0	0
KPC	5.2	CITY OF VANCEBURG	1999	11	2.552613	121.74	11/1/1999	1	4042900	0	0
KPC	5.2	CITY OF VANCEBURG	1999	12	0	297.5758	12/1/1999	1		0	0
KPC	5.2	CITY OF VANCEBURG	2000	1	0	539.714	1/1/2000	1	11198700	0	0
KPC	5.2	CITY OF VANCEBURG	2000	2	0	715.2552	2/1/2000	1	4776100	0	0
KPC	5.2	CITY OF VANCEBURG	2000	3	2.029	278.1694	3/1/2000	1		0	0
KPC	5.2	CITY OF VANCEBURG	2000	4	4.712516	153.6149	4/1/2000	1	7805000	0	0
KPC	5.2	CITY OF VANCEBURG	2000	5	51.44497	57.33561	5/1/2000	1	3630100	0	0
KPC	5.2	CITY OF VANCEBURG	2000	6	143.7317	0.130903	6/1/2000	1		0	0
KPC	5.2	CITY OF VANCEBURG	2000	7	261.9701	0	7/1/2000	1	8795500	0	0
KPC	5.2	CITY OF VANCEBURG	2000	8	229.8006	0	8/1/2000	1		0	0
KPC	5.2	CITY OF VANCEBURG	2000	9	199.6274	0.654516	9/1/2000	1	8408200	0	0
KPC	5.2	CITY OF VANCEBURG	2000	10	69.05145	36.16202	10/1/2000	1	3749100	0	0
KPC	5.2	CITY OF VANCEBURG	2000	11	9.588661	124.0635	11/1/2000	1	4730900	0	0
KPC	5.2	CITY OF VANCEBURG	2000	12	0	548.3209	12/1/2000	1	6660700	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC		5.2 CITY OF VANCEBURG	2001	1	0	817.2616	1/1/2001	1	6180900	0	0
KPC		5.2 CITY OF VANCEBURG	2001	2	0	632.8189	2/1/2001	1	4843900	0	0
KPC		5.2 CITY OF VANCEBURG	2001	3	0	442.9765	3/1/2001	1	5280800	0	0
KPC		5.2 CITY OF VANCEBURG	2001	4	38.15829	304.0227	4/1/2001	1	3948600	0	0
KPC		5.2 CITY OF VANCEBURG	2001	5	85.0871	46.60155	5/1/2001	1	3796800	0	0
KPC		5.2 CITY OF VANCEBURG	2001	6	91.37045	2.748968	6/1/2001	1	4291100	0	0
KPC		5.2 CITY OF VANCEBURG	2001	7	227.4444	0	7/1/2001	1	5052300	0	0
KPC		5.2 CITY OF VANCEBURG	2001	8	331.3161	0	8/1/2001	1	5356400	0	0
KPC		5.2 CITY OF VANCEBURG	2001	9	257.6503	0.130903	9/1/2001	1	4096800	0	0
KPC		5.2 CITY OF VANCEBURG	2001	10	63.06263	27.19515	10/1/2001	1	4088300	0	0
KPC		5.2 CITY OF VANCEBURG	2001	11	18.65371	131.2959	11/1/2001	1	4300600	0	0
KPC		5.2 CITY OF VANCEBURG	2001	12	0.589065	170.5669	12/1/2001	1	2299200	0	0
KPC		5.2 CITY OF VANCEBURG	2002	1	0	573.4216	1/1/2002	1	8943700	0	0
KPC		5.2 CITY OF VANCEBURG	2002	2	0	472.8879	2/1/2002	1	5190600	0	0
KPC		5.2 CITY OF VANCEBURG	2002	3	1.178129	420.6902	3/1/2002	1	5282300	-1	0
KPC		5.2 CITY OF VANCEBURG	2002	4	17.96647	225.3172	4/1/2002	1	4297500	1	0
KPC		5.2 CITY OF VANCEBURG	2002	5	51.18316	59.92095	5/1/2002	1	4214600	0	0
KPC		5.2 CITY OF VANCEBURG	2002	6	134.4049	34.493	6/1/2002	1	5048200	0	0
KPC		5.2 CITY OF VANCEBURG	2002	7	308.1135	0	7/1/2002	1	5847100	0	0
KPC		5.2 CITY OF VANCEBURG	2002	8	391.1388	0	8/1/2002	1	5728200	0	0
KPC		5.2 CITY OF VANCEBURG	2002	9	345.4863	0	9/1/2002	1	4737700	0	0
KPC		5.2 CITY OF VANCEBURG	2002	10	140.001	12.95942	10/1/2002	1	4543600	0	0
KPC		5.2 CITY OF VANCEBURG	2002	11	13.90847	159.342	11/1/2002	1	5228200	0	0
KPC		5.2 CITY OF VANCEBURG	2002	12	1.832645	476.1278	12/1/2002	1	6307200	0	0
KPC		5.2 CITY OF VANCEBURG	2003	1	0	567.1055	1/1/2003	1	7196800	0	0
KPC		5.2 CITY OF VANCEBURG	2003	2	0	792.3245	2/1/2003	1	4933800	0	0
KPC		5.2 CITY OF VANCEBURG	2003	3	0	534.6742	3/1/2003	1	5240000	0	0
KPC		5.2 CITY OF VANCEBURG	2003	4	15.44658	141.3428	4/1/2003	1	4292700	0	0
KPC		5.2 CITY OF VANCEBURG	2003	5	38.48555	30.5659	5/1/2003	1	4109500	0	0
KPC		5.2 CITY OF VANCEBURG	2003	6	52.32856	0	6/1/2003	1	4543000	0	0
KPC		5.2 CITY OF VANCEBURG	2003	7	220.2774	0	7/1/2003	1	5596500	0	0
KPC		5.2 CITY OF VANCEBURG	2003	8	262.7882	0	8/1/2003	1	5731100	0	0
KPC		5.2 CITY OF VANCEBURG	2003	9	251.0724	0	9/1/2003	1	4620900	0	0
KPC		5.2 CITY OF VANCEBURG	2003	10	36.62018	35.6384	10/1/2003	1	4660600	0	0
KPC		5.2 CITY OF VANCEBURG	2003	11	8.639613	98.63558	11/1/2003	1	5006200	0	0
KPC		5.2 CITY OF VANCEBURG	2003	12	0.981774	345.9772	12/1/2003	1	6571300	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF VANCEBURG	2004	1	0.785419	558.7277	1/1/2004	1	14046200	0	1
KPC	5.2	CITY OF VANCEBURG	2004	2	0.261806	719.7714	2/1/2004	1	6448700	0	0
KPC	5.2	CITY OF VANCEBURG	2004	3	2.356258	418.0067	3/1/2004	1	5622300	0	0
KPC	5.2	CITY OF VANCEBURG	2004	4	13.0576	231.0442	4/1/2004	1	4774800	0	0
KPC	5.2	CITY OF VANCEBURG	2004	5	72.52039	57.13926	5/1/2004	1	5165900	0	0
KPC	5.2	CITY OF VANCEBURG	2004	6	198.9729	3.959823	6/1/2004	1	5227000	0	0
KPC	5.2	CITY OF VANCEBURG	2004	7	254.3122	0	7/1/2004	1	5771900	0	0
KPC	5.2	CITY OF VANCEBURG	2004	8	251.0069	0	8/1/2004	1	5463400	0	0
KPC	5.2	CITY OF VANCEBURG	2004	9	220.081	0	9/1/2004	1	4894000	0	0
KPC	5.2	CITY OF VANCEBURG	2004	10	65.41889	9.686839	10/1/2004	1	4625900	0	0
KPC	5.2	CITY OF VANCEBURG	2004	11	13.0576	62.44084	11/1/2004	1	5099800	0	0
KPC	5.2	CITY OF VANCEBURG	2004	12	1.898097	288.0198	12/1/2004	1	6754800	0	0
KPC	5.2	CITY OF VANCEBURG	2005	1	0	487.8436	1/1/2005	1	6745600	0	0
KPC	5.2	CITY OF VANCEBURG	2005	2	0	585.5629	2/1/2005	1	5941500	0	0
KPC	5.2	CITY OF VANCEBURG	2005	3	0	499.7394	3/1/2005	1	6355800	0	0
KPC	5.2	CITY OF VANCEBURG	2005	4	5.857919	232.2714	4/1/2005	1	4677400	0	0
KPC	5.2	CITY OF VANCEBURG	2005	5	21.56631	67.10427	5/1/2005	1	4702300	0	0
KPC	5.2	CITY OF VANCEBURG	2005	6	125.8798	9.146863	6/1/2005	1	5447400	0	0
KPC	5.2	CITY OF VANCEBURG	2005	7	358.4458	0	7/1/2005	1	6301700	0	0
KPC	5.2	CITY OF VANCEBURG	2005	8	457.3104	0	8/1/2005	1	6255200	0	0
KPC	5.2	CITY OF VANCEBURG	2005	9	344.6682	0	9/1/2005	1	5113200	0	0
KPC	5.2	CITY OF VANCEBURG	2005	10	158.7365	5.710653	10/1/2005	1	5019600	0	0
KPC	5.2	CITY OF VANCEBURG	2005	11	9.997734	143.9445	11/1/2005	1	5577300	0	0
KPC	5.2	CITY OF VANCEBURG	2005	12	1.472661	488.5472	12/1/2005	1	7594900	0	0
KPC	5.2	CITY OF VANCEBURG	2006	1	0	487.7781	1/1/2006	1	6398257	0	0
KPC	5.2	CITY OF VANCEBURG	2006	2	0	415.045	2/1/2006	1	6314298	0	0
KPC	5.2	CITY OF VANCEBURG	2006	3	1.374484	469.9099	3/1/2006	1	6145647	0	0
KPC	5.2	CITY OF VANCEBURG	2006	4	16.55926	244.1672	4/1/2006	1	4667655	0	0
KPC	5.2	CITY OF VANCEBURG	2006	5	27.8333	19.9791	5/1/2006	1	5015456	0	0
KPC	5.2	CITY OF VANCEBURG	2006	6	105.3116	3.861645	6/1/2006	1	5415456	0	0
KPC	5.2	CITY OF VANCEBURG	2006	7	260.1865	0	7/1/2006	1	6364417	0	0
KPC	5.2	CITY OF VANCEBURG	2006	8	410.1525	0	8/1/2006	1	6583382	0	0
KPC	5.2	CITY OF VANCEBURG	2006	9	260.7756	0.916323	9/1/2006	1	5034548	0	0
KPC	5.2	CITY OF VANCEBURG	2006	10	36.76744	37.9783	10/1/2006	1	5601748	0	0
KPC	5.2	CITY OF VANCEBURG	2006	11	2.53625	209.2161	11/1/2006	1	5947180	0	0
KPC	5.2	CITY OF VANCEBURG	2006	12	2.65079	329.9252	12/1/2006	1	6807119	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF VANCEBURG	2007	1	0.294532	354.0605	1/1/2007	1	6588896	0	0
KPC	5.2	CITY OF VANCEBURG	2007	2	0	712.2772	2/1/2007	1	7202739	0	0
KPC	5.2	CITY OF VANCEBURG	2007	3	2.258081	601.1894	3/1/2007	1	6068974	0	0
KPC	5.2	CITY OF VANCEBURG	2007	4	29.4205	207.8252	4/1/2007	1	5517935	0	0
KPC	5.2	CITY OF VANCEBURG	2007	5	51.0359	78.36194	5/1/2007	1	5427061	0	0
KPC	5.2	CITY OF VANCEBURG	2007	6	180.4337	3.223492	6/1/2007	1	5802358	0	0
KPC	5.2	CITY OF VANCEBURG	2007	7	293.4687	0	7/1/2007	1	6033322	0	0
KPC	5.2	CITY OF VANCEBURG	2007	8	344.0464	0	8/1/2007	1	6768081	0	0
KPC	5.2	CITY OF VANCEBURG	2007	9	379.4557	0	9/1/2007	1	5222239	0	0
KPC	5.2	CITY OF VANCEBURG	2007	10	176.3103	6.59425	10/1/2007	1	4820080	0	0
KPC	5.2	CITY OF VANCEBURG	2007	11	29.89502	128.7597	11/1/2007	1	5498788	0	0
KPC	5.2	CITY OF VANCEBURG	2007	12	0	366.3981	12/1/2007	1	6876039	0	0
KPC	5.2	CITY OF VANCEBURG	2008	1	0	497.9886	1/1/2008	1	7869550	0	0
KPC	5.2	CITY OF VANCEBURG	2008	2	0	607.8164	2/1/2008	1	7046240	0	0
KPC	5.2	CITY OF VANCEBURG	2008	3	0	519.7349	3/1/2008	1	6590161	0	0
KPC	5.2	CITY OF VANCEBURG	2008	4	1.439935	234.235	4/1/2008	1	5051722	0	0
KPC	5.2	CITY OF VANCEBURG	2008	5	18.76825	52.01767	5/1/2008	1	4953384	0	0
KPC	5.2	CITY OF VANCEBURG	2008	6	111.5786	3.567113	6/1/2008	1	5619318	0	0
KPC	5.2	CITY OF VANCEBURG	2008	7	232.4187	0	7/1/2008	1	6184453	0	0
KPC	5.2	CITY OF VANCEBURG	2008	8	281.3765	0	8/1/2008	1	5845131	0	0
KPC	5.2	CITY OF VANCEBURG	2008	9	261.0538	0	9/1/2008	1	4987397	0	0
KPC	5.2	CITY OF VANCEBURG	2008	10	101.63	8.639613	10/1/2008	1	5121746	0	0
KPC	5.2	CITY OF VANCEBURG	2008	11	12.14618	141.9253	11/1/2008	1	5868990	0	0
KPC	5.2	CITY OF VANCEBURG	2008	12	1.742104	366.913	12/1/2008	1	6684470	0	0
KPC	5.2	CITY OF VANCEBURG	2009	1	0.368711	581.6619	1/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	2	0.045816	635.7332	2/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	3	1.252308	463.579	3/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	4	12.6518	233.1905	4/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	5	42.61718	59.21298	5/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	6	131.279	6.354261	6/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	7	279.4773	0.032726	7/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	8	339.383	0	8/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	9	265.6916	0.247625	9/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	10	86.34159	23.18896	10/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	11	12.14618	141.9253	11/1/2009	1		0	0
KPC	5.2	CITY OF VANCEBURG	2009	12	1.742104	366.913	12/1/2009	1		0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	bcdd65	bhdd55	time	_FREQ_	KWH	OLV1	OLV2
KPC	5.2	CITY OF VANCEBURG	2010	1	0.368711	581.6619	1/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	2	0.045816	635.7332	2/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	3	1.252308	463.579	3/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	4	12.6518	233.1905	4/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	5	42.61718	59.21298	5/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	6	131.279	6.354261	6/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	7	279.4773	0.032726	7/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	8	339.383	0	8/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	9	265.6916	0.247625	9/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	10	86.34159	23.18896	10/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	11	12.14618	141.9253	11/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2010	12	1.742104	366.913	12/1/2010	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	1	0.368711	581.6619	1/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	2	0.045816	635.7332	2/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	3	1.252308	463.579	3/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	4	12.6518	233.1905	4/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	5	42.61718	59.21298	5/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	6	131.279	6.354261	6/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	7	279.4773	0.032726	7/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	8	339.383	0	8/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	9	265.6916	0.247625	9/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	10	86.34159	23.18896	10/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	11	12.14618	141.9253	11/1/2011	1		0	0
KPC	5.2	CITY OF VANCEBURG	2011	12	1.742104	366.913	12/1/2011	1		0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF OLIVE HILL	1999	1	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	2	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	3	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	4	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	5	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	6	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	7	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	8	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	9	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	10	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	11	0	0
KPC	5.2	CITY OF OLIVE HILL	1999	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2000	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2001	12	0	-1

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC		5.2 CITY OF OLIVE HILL	2002	1	0	1
KPC		5.2 CITY OF OLIVE HILL	2002	2	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	3	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	4	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	5	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	6	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	7	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	8	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	9	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	10	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	11	0	0
KPC		5.2 CITY OF OLIVE HILL	2002	12	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	1	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	2	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	3	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	4	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	5	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	6	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	7	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	8	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	9	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	10	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	11	0	0
KPC		5.2 CITY OF OLIVE HILL	2003	12	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	1	1	0
KPC		5.2 CITY OF OLIVE HILL	2004	2	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	3	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	4	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	5	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	6	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	7	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	8	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	9	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	10	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	11	0	0
KPC		5.2 CITY OF OLIVE HILL	2004	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF OLIVE HILL	2005	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2005	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2006	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2007	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF OLIVE HILL	2008	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2008	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2009	12	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2010	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF OLIVE HILL	2011	1	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	2	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	3	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	4	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	5	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	6	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	7	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	8	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	9	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	10	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	11	0	0
KPC	5.2	CITY OF OLIVE HILL	2011	12	0	0
KPC	5.2	CITY OF VANCEBURG	1999	1	0	0
KPC	5.2	CITY OF VANCEBURG	1999	2	0	0
KPC	5.2	CITY OF VANCEBURG	1999	3	0	0
KPC	5.2	CITY OF VANCEBURG	1999	4	0	0
KPC	5.2	CITY OF VANCEBURG	1999	5	0	0
KPC	5.2	CITY OF VANCEBURG	1999	6	0	0
KPC	5.2	CITY OF VANCEBURG	1999	7	0	0
KPC	5.2	CITY OF VANCEBURG	1999	8	0	0
KPC	5.2	CITY OF VANCEBURG	1999	9	0	0
KPC	5.2	CITY OF VANCEBURG	1999	10	0	0
KPC	5.2	CITY OF VANCEBURG	1999	11	0	0
KPC	5.2	CITY OF VANCEBURG	1999	12	0	0
KPC	5.2	CITY OF VANCEBURG	2000	1	0	0
KPC	5.2	CITY OF VANCEBURG	2000	2	0	0
KPC	5.2	CITY OF VANCEBURG	2000	3	0	0
KPC	5.2	CITY OF VANCEBURG	2000	4	0	0
KPC	5.2	CITY OF VANCEBURG	2000	5	0	0
KPC	5.2	CITY OF VANCEBURG	2000	6	0	0
KPC	5.2	CITY OF VANCEBURG	2000	7	0	0
KPC	5.2	CITY OF VANCEBURG	2000	8	0	0
KPC	5.2	CITY OF VANCEBURG	2000	9	0	0
KPC	5.2	CITY OF VANCEBURG	2000	10	0	0
KPC	5.2	CITY OF VANCEBURG	2000	11	0	0
KPC	5.2	CITY OF VANCEBURG	2000	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF VANCEBURG	2001	1	0	0
KPC	5.2	CITY OF VANCEBURG	2001	2	0	0
KPC	5.2	CITY OF VANCEBURG	2001	3	0	0
KPC	5.2	CITY OF VANCEBURG	2001	4	0	0
KPC	5.2	CITY OF VANCEBURG	2001	5	0	0
KPC	5.2	CITY OF VANCEBURG	2001	6	0	0
KPC	5.2	CITY OF VANCEBURG	2001	7	0	0
KPC	5.2	CITY OF VANCEBURG	2001	8	0	0
KPC	5.2	CITY OF VANCEBURG	2001	9	0	0
KPC	5.2	CITY OF VANCEBURG	2001	10	0	0
KPC	5.2	CITY OF VANCEBURG	2001	11	0	0
KPC	5.2	CITY OF VANCEBURG	2001	12	0	-1
KPC	5.2	CITY OF VANCEBURG	2002	1	0	1
KPC	5.2	CITY OF VANCEBURG	2002	2	0	0
KPC	5.2	CITY OF VANCEBURG	2002	3	0	0
KPC	5.2	CITY OF VANCEBURG	2002	4	0	0
KPC	5.2	CITY OF VANCEBURG	2002	5	0	0
KPC	5.2	CITY OF VANCEBURG	2002	6	0	0
KPC	5.2	CITY OF VANCEBURG	2002	7	0	0
KPC	5.2	CITY OF VANCEBURG	2002	8	0	0
KPC	5.2	CITY OF VANCEBURG	2002	9	0	0
KPC	5.2	CITY OF VANCEBURG	2002	10	0	0
KPC	5.2	CITY OF VANCEBURG	2002	11	0	0
KPC	5.2	CITY OF VANCEBURG	2002	12	0	0
KPC	5.2	CITY OF VANCEBURG	2003	1	0	0
KPC	5.2	CITY OF VANCEBURG	2003	2	0	0
KPC	5.2	CITY OF VANCEBURG	2003	3	0	0
KPC	5.2	CITY OF VANCEBURG	2003	4	0	0
KPC	5.2	CITY OF VANCEBURG	2003	5	0	0
KPC	5.2	CITY OF VANCEBURG	2003	6	0	0
KPC	5.2	CITY OF VANCEBURG	2003	7	0	0
KPC	5.2	CITY OF VANCEBURG	2003	8	0	0
KPC	5.2	CITY OF VANCEBURG	2003	9	0	0
KPC	5.2	CITY OF VANCEBURG	2003	10	0	0
KPC	5.2	CITY OF VANCEBURG	2003	11	0	0
KPC	5.2	CITY OF VANCEBURG	2003	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF VANCEBURG	2004	1	1	0
KPC	5.2	CITY OF VANCEBURG	2004	2	0	0
KPC	5.2	CITY OF VANCEBURG	2004	3	0	0
KPC	5.2	CITY OF VANCEBURG	2004	4	0	0
KPC	5.2	CITY OF VANCEBURG	2004	5	0	0
KPC	5.2	CITY OF VANCEBURG	2004	6	0	0
KPC	5.2	CITY OF VANCEBURG	2004	7	0	0
KPC	5.2	CITY OF VANCEBURG	2004	8	0	0
KPC	5.2	CITY OF VANCEBURG	2004	9	0	0
KPC	5.2	CITY OF VANCEBURG	2004	10	0	0
KPC	5.2	CITY OF VANCEBURG	2004	11	0	0
KPC	5.2	CITY OF VANCEBURG	2004	12	0	0
KPC	5.2	CITY OF VANCEBURG	2005	1	0	0
KPC	5.2	CITY OF VANCEBURG	2005	2	0	0
KPC	5.2	CITY OF VANCEBURG	2005	3	0	0
KPC	5.2	CITY OF VANCEBURG	2005	4	0	0
KPC	5.2	CITY OF VANCEBURG	2005	5	0	0
KPC	5.2	CITY OF VANCEBURG	2005	6	0	0
KPC	5.2	CITY OF VANCEBURG	2005	7	0	0
KPC	5.2	CITY OF VANCEBURG	2005	8	0	0
KPC	5.2	CITY OF VANCEBURG	2005	9	0	0
KPC	5.2	CITY OF VANCEBURG	2005	10	0	0
KPC	5.2	CITY OF VANCEBURG	2005	11	0	0
KPC	5.2	CITY OF VANCEBURG	2005	12	0	0
KPC	5.2	CITY OF VANCEBURG	2006	1	0	0
KPC	5.2	CITY OF VANCEBURG	2006	2	0	0
KPC	5.2	CITY OF VANCEBURG	2006	3	0	0
KPC	5.2	CITY OF VANCEBURG	2006	4	0	0
KPC	5.2	CITY OF VANCEBURG	2006	5	0	0
KPC	5.2	CITY OF VANCEBURG	2006	6	0	0
KPC	5.2	CITY OF VANCEBURG	2006	7	0	0
KPC	5.2	CITY OF VANCEBURG	2006	8	0	0
KPC	5.2	CITY OF VANCEBURG	2006	9	0	0
KPC	5.2	CITY OF VANCEBURG	2006	10	0	0
KPC	5.2	CITY OF VANCEBURG	2006	11	0	0
KPC	5.2	CITY OF VANCEBURG	2006	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF VANCEBURG	2007	1	0	0
KPC	5.2	CITY OF VANCEBURG	2007	2	0	0
KPC	5.2	CITY OF VANCEBURG	2007	3	0	0
KPC	5.2	CITY OF VANCEBURG	2007	4	0	0
KPC	5.2	CITY OF VANCEBURG	2007	5	0	0
KPC	5.2	CITY OF VANCEBURG	2007	6	0	0
KPC	5.2	CITY OF VANCEBURG	2007	7	0	0
KPC	5.2	CITY OF VANCEBURG	2007	8	0	0
KPC	5.2	CITY OF VANCEBURG	2007	9	0	0
KPC	5.2	CITY OF VANCEBURG	2007	10	0	0
KPC	5.2	CITY OF VANCEBURG	2007	11	0	0
KPC	5.2	CITY OF VANCEBURG	2007	12	0	0
KPC	5.2	CITY OF VANCEBURG	2008	1	0	0
KPC	5.2	CITY OF VANCEBURG	2008	2	0	0
KPC	5.2	CITY OF VANCEBURG	2008	3	0	0
KPC	5.2	CITY OF VANCEBURG	2008	4	0	0
KPC	5.2	CITY OF VANCEBURG	2008	5	0	0
KPC	5.2	CITY OF VANCEBURG	2008	6	0	0
KPC	5.2	CITY OF VANCEBURG	2008	7	0	0
KPC	5.2	CITY OF VANCEBURG	2008	8	0	0
KPC	5.2	CITY OF VANCEBURG	2008	9	0	0
KPC	5.2	CITY OF VANCEBURG	2008	10	0	0
KPC	5.2	CITY OF VANCEBURG	2008	11	0	0
KPC	5.2	CITY OF VANCEBURG	2008	12	0	0
KPC	5.2	CITY OF VANCEBURG	2009	1	0	0
KPC	5.2	CITY OF VANCEBURG	2009	2	0	0
KPC	5.2	CITY OF VANCEBURG	2009	3	0	0
KPC	5.2	CITY OF VANCEBURG	2009	4	0	0
KPC	5.2	CITY OF VANCEBURG	2009	5	0	0
KPC	5.2	CITY OF VANCEBURG	2009	6	0	0
KPC	5.2	CITY OF VANCEBURG	2009	7	0	0
KPC	5.2	CITY OF VANCEBURG	2009	8	0	0
KPC	5.2	CITY OF VANCEBURG	2009	9	0	0
KPC	5.2	CITY OF VANCEBURG	2009	10	0	0
KPC	5.2	CITY OF VANCEBURG	2009	11	0	0
KPC	5.2	CITY OF VANCEBURG	2009	12	0	0

KPC_Muni_Coop_Model_Input

JURIS	revcls	name	YEAR	MONTH	VNC1	VNC2
KPC	5.2	CITY OF VANCEBURG	2010	1	0	0
KPC	5.2	CITY OF VANCEBURG	2010	2	0	0
KPC	5.2	CITY OF VANCEBURG	2010	3	0	0
KPC	5.2	CITY OF VANCEBURG	2010	4	0	0
KPC	5.2	CITY OF VANCEBURG	2010	5	0	0
KPC	5.2	CITY OF VANCEBURG	2010	6	0	0
KPC	5.2	CITY OF VANCEBURG	2010	7	0	0
KPC	5.2	CITY OF VANCEBURG	2010	8	0	0
KPC	5.2	CITY OF VANCEBURG	2010	9	0	0
KPC	5.2	CITY OF VANCEBURG	2010	10	0	0
KPC	5.2	CITY OF VANCEBURG	2010	11	0	0
KPC	5.2	CITY OF VANCEBURG	2010	12	0	0
KPC	5.2	CITY OF VANCEBURG	2011	1	0	0
KPC	5.2	CITY OF VANCEBURG	2011	2	0	0
KPC	5.2	CITY OF VANCEBURG	2011	3	0	0
KPC	5.2	CITY OF VANCEBURG	2011	4	0	0
KPC	5.2	CITY OF VANCEBURG	2011	5	0	0
KPC	5.2	CITY OF VANCEBURG	2011	6	0	0
KPC	5.2	CITY OF VANCEBURG	2011	7	0	0
KPC	5.2	CITY OF VANCEBURG	2011	8	0	0
KPC	5.2	CITY OF VANCEBURG	2011	9	0	0
KPC	5.2	CITY OF VANCEBURG	2011	10	0	0
KPC	5.2	CITY OF VANCEBURG	2011	11	0	0
KPC	5.2	CITY OF VANCEBURG	2011	12	0	0

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	20374.7	11961.4	1.70	0.0920	0	KWH	0
AR1,1	-0.25565	0.10533	-2.43	0.0173	2	KWH	0
AR2,1	-0.57841	0.11023	-5.25	<.0001	12	KWH	0
AR2,2	-0.33914	0.10822	-3.13	0.0023	24	KWH	0
NUM1	1375.3	572.48992	2.40	0.0184	0	bcdd65	0
NUM2	321.59855	316.92741	1.01	0.3130	0	bhdd55	0
NUM3	1301923.5	155280.3	8.38	<.0001	0	OLV1	0
NUM4	2642705.6	220694.4	11.97	<.0001	0	OLV2	0

Constant Estimate 49057.76
Variance Estimate 6.818E10
Std Error Estimate 261107.9
AIC 2674.839
SBC 2695.354
Number of Residuals 96

* AIC and SBC do not include log determinant.

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		KWH MU	KWH AR1,1	KWH AR2,1	KWH AR2,2	bddd65 NUM1	bhdd55 NUM2	OLV1 NUM3	OLV2 NUM4
KWH	MU	1.000	-0.004	-0.026	0.001	-0.080	0.028	0.005	-0.001
KWH	AR1,1	-0.004	1.000	0.068	0.041	-0.099	-0.107	0.044	0.047
KWH	AR2,1	-0.026	0.068	1.000	0.408	0.309	0.027	-0.097	0.020
KWH	AR2,2	0.001	0.041	0.408	1.000	0.062	0.056	0.021	-0.127
bddd65	NUM1	-0.080	-0.099	0.309	0.062	1.000	-0.007	-0.054	0.008
bhdd55	NUM2	0.028	-0.107	0.027	0.056	-0.007	1.000	0.017	0.031
OLV1	NUM3	0.005	0.044	-0.097	0.021	-0.054	0.017	1.000	-0.020
OLV2	NUM4	-0.001	0.047	0.020	-0.127	0.008	0.031	-0.020	1.000

Autocorrelation Check of Residuals

To Lag	Chi- Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	1.96	3	0.5804	-0.085	-0.017	-0.013	-0.049	0.080	0.052
12	8.61	9	0.4740	-0.147	-0.110	0.033	-0.158	-0.014	-0.045
18	18.44	15	0.2403	0.099	-0.016	-0.081	-0.212	0.142	0.046
24	22.57	21	0.3674	0.064	0.122	-0.019	0.051	0.085	-0.061

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	6.81773E10	1.00000																						0
1	-5.80875E9	-.08520										**												0.102062
2	-1.17754E9	-.01727																						0.102800
3	-893188645	-.01310																						0.102831
4	-3.37401E9	-.04949										*												0.102848
5	5437013399	0.07975												**										0.103096

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
6	3577622036	0.05248											*											0.103736
7	-9.98807E9	-.14650											***											0.104012
8	-7.49302E9	-.10990											**											0.106140
9	2253030780	0.03305											*											0.107319
10	-1.0757E10	-.15778											***											0.107425
11	-940831110	-.01380																						0.109812
12	-3.0599E9	-.04488											*											0.109830
13	6748032063	0.09898											**											0.110021
14	-1.0887E9	-.01597																						0.110945
15	-5.54268E9	-.08130											**											0.110969
16	-1.4439E10	-.21178											****											0.111588
17	9670482256	0.14184											***											0.115699
18	3104955844	0.04554											*											0.117496
19	4347119921	0.06376											*											0.117680
20	8313065654	0.12193											**											0.118039
21	-1.26188E9	-.01851																						0.119344
22	3466604688	0.05085											*											0.119374
23	5816357781	0.08531											**											0.119599
24	-4.14603E9	-.06081											*											0.120232

, marks two standard errors

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	0.15448													***.										
2	0.00875													.										
3	-0.03140													*										
4	0.03734													.	*									
5	-0.14263													.	***									
6	-0.01650													.										
7	0.18184													.										
8	0.27526													.										
9	0.01768													.										
10	0.05657													.		*								
11	-0.01000													.										
12	-0.00309													.										
13	-0.15395													.		***								
14	0.05449													.		*								
15	0.14165													.		***.								
16	0.19727													.		****								
17	-0.04905													.		*								
18	-0.00458													.										
19	-0.06705													.		*								
20	-0.12187													.		**								
21	-0.08001													.		**								
22	-0.00746													.										
23	-0.00240													.										
24	0.06739													.		*								

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	-0.08520										**													
2	-0.02471										.													
3	-0.01685										.													
4	-0.05296										.	*												
5	0.07089										.	*												
6	0.06395										.	*												
7	-0.13744										.	***												
8	-0.13656										.	***												
9	0.01727										.	.												
10	-0.16983										.	***												
11	-0.07683										.	**												
12	-0.05401										.	*												
13	0.12557										.	.	***											
14	-0.03118										.	*												
15	-0.11286										.	**												
16	-0.24402										.	*****												
17	0.08288										.	.	**											
18	-0.01645										.	.	.											
19	0.02664										.	.	*											
20	0.14239										.	.	***											
21	0.10078										.	.	**											
22	0.00852										.	.	.											
23	0.02511										.	.	*											
24	-0.08623										.	.	**											

Model for variable KWH

Estimated Intercept 20374.7
Period(s) of Differencing 12

Kentucky Power Company
CITY OF OLIVE HILL

The ARIMA Procedure

Autoregressive Factors

Factor 1: $1 + 0.25565 B^{**}(2)$
Factor 2: $1 + 0.57841 B^{**}(12) + 0.33914 B^{**}(24)$

Input Number 1

Input Variable	bddd65
Period(s) of Differencing	12
Overall Regression Factor	1375.334

Input Number 2

Input Variable	bhdd55
Period(s) of Differencing	12
Overall Regression Factor	321.5986

Input Number 3

Input Variable	OLV1
Period(s) of Differencing	12
Overall Regression Factor	1301924

Input Number 4

Input Variable	OLV2
Period(s) of Differencing	12
Overall Regression Factor	2642706

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	4068371.4	204767.3	19.87	<.0001	0	KWH	0
MA1,1	-0.34437	0.09687	-3.48	0.0006	11	KWH	0
MA1,2	0.49806	0.12252	4.07	0.0001	12	KWH	0
AR1,1	0.98444	0.06723	14.64	<.0001	12	KWH	0
AR2,1	0.21782	0.10793	2.02	0.0467	1	KWH	0
AR2,2	0.39769	0.11282	3.53	0.0007	17	KWH	0
NUM1	1784.0	800.04952	2.23	0.0284	0	bddd65	0
NUM2	1622.8	428.31994	3.79	0.0003	0	bhdd55	0
NUM3	7326494.0	374234.5	19.58	<.0001	0	VNC1	0
NUM4	2864532.6	236329.3	12.12	<.0001	0	VNC2	0

Constant Estimate 24342.11
Variance Estimate 1.841E11
Std Error Estimate 429088.5
AIC 2772.004
SBC 2797.648
Number of Residuals 96

* AIC and SBC do not include log determinant.

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Correlations of Parameter Estimates

Variable		KWH	KWH	KWH	KWH	KWH	KWH	bodd65	bhdd55	VNC1	
VNC2	Parameter	MU	MA1,1	MA1,2	AR1,1	AR2,1	AR2,2	NUM1	NUM2	NUM3	
NUM4											
	KWH	MU	1.000	-0.011	-0.041	-0.094	0.259	-0.024	-0.562	-0.617	-0.044
0.216	KWH	MA1,1	-0.011	1.000	0.261	0.187	0.138	0.040	-0.057	0.028	-0.308
0.096	KWH	MA1,2	-0.041	0.261	1.000	0.625	0.008	-0.103	-0.018	-0.068	0.238
0.092	KWH	AR1,1	-0.094	0.187	0.625	1.000	-0.132	-0.300	0.098	0.045	0.102
0.063	KWH	AR2,1	0.259	0.138	0.008	-0.132	1.000	-0.205	-0.312	-0.271	-0.072
0.009	KWH	AR2,2	-0.024	0.040	-0.103	-0.300	-0.205	1.000	0.035	0.077	-0.064
0.049	bodd65	NUM1	-0.562	-0.057	-0.018	0.098	-0.312	0.035	1.000	0.481	0.102
0.177	bhdd55	NUM2	-0.617	0.028	-0.068	0.045	-0.271	0.077	0.481	1.000	0.015
0.244	VNC1	NUM3	-0.044	-0.308	0.238	0.102	-0.072	-0.064	0.102	0.015	1.000
0.095	VNC2	NUM4	0.216	-0.096	-0.092	-0.063	-0.009	0.049	-0.177	-0.244	0.095
1.000											

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----						
6	4.88	1	0.0272	-0.075	0.111	0.034	0.102	0.092	0.099	
12	8.21	7	0.3147	0.103	-0.046	0.088	0.086	-0.041	0.037	
18	10.80	13	0.6279	0.084	-0.001	-0.016	0.118	0.014	0.029	
24	15.75	19	0.6738	0.030	0.057	-0.027	0.137	-0.036	0.117	

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	1.84117E11	1.00000																						0
1	-1.3803E10	-.07497										*												0.102062
2	2.05279E10	0.11149										**												0.102634
3	6283713580	0.03413										*												0.103888
4	1.87465E10	0.10182										**												0.104005
5	1.68935E10	0.09175										**												0.105038
6	1.82631E10	0.09919										**												0.105870
7	1.90037E10	0.10322										**												0.106833
8	-8.44032E9	-.04584										*												0.107867
9	1.61725E10	0.08784										**												0.108070
10	1.58312E10	0.08598										**												0.108811
11	-7.49259E9	-.04069										*												0.109516
12	6788102581	0.03687										*												0.109674
13	1.54804E10	0.08408										**												0.109803
14	-116993951	-.00064																						0.110471
15	-3.03617E9	-.01649																						0.110472
16	2.16706E10	0.11770										**												0.110497
17	2528676235	0.01373																						0.111796
18	5406035964	0.02936										*												0.111813
19	5522882059	0.03000										*												0.111893
20	1.04667E10	0.05685										*												0.111977
21	-5.05535E9	-.02746										*												0.112277
22	2.5238E10	0.13708										***												0.112347
23	-6.70778E9	-.03643										*												0.114076
24	2.15595E10	0.11710										**												0.114197

. marks two standard errors

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.06718											.	*	.									
2	-0.06824											.	*	.									
3	0.01481											.		.									
4	-0.06237											.	*	.									
5	-0.12379											.	**	.									
6	-0.08297											.	**	.									
7	-0.06274											.	*	.									
8	0.06982											.	*	.									
9	-0.04503											.	*	.									
10	-0.05517											.	*	.									
11	0.10125											.	**	.									
12	0.02166											.		.									
13	-0.07769											.	**	.									
14	0.03513											.	*	.									
15	0.05484											.	*	.									
16	-0.09445											.	**	.									
17	-0.00411											.		.									
18	0.01109											.		.									
19	0.01066											.		.									
20	-0.00331											.		.									
21	0.00354											.		.									
22	-0.05730											.	*	.									
23	0.03553											.	*	.									
24	-0.09876											.	**	.									

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	-0.07497										.	*		.										
2	0.10647										.			**	.									
3	0.05043										.			*	.									
4	0.09772										.			**	.									
5	0.10003										.			**	.									
6	0.09547										.			**	.									
7	0.09714										.			**	.									
8	-0.06617										.			*	.									
9	0.03494										.			*	.									
10	0.07605										.			**	.									
11	-0.07553										.			**	.									
12	-0.01039										.			.	.									
13	0.07694										.			**	.									
14	-0.01150										.			.	.									
15	-0.04260										.			*	.									
16	0.09542										.			**	.									
17	0.02837										.			*	.									
18	0.01376										.			.	.									
19	-0.00092										.			.	.									
20	0.03768										.			*	.									
21	-0.02444										.			.	.									
22	0.09108										.			**	.									
23	-0.05706										.			*	.									
24	0.10931										.			**	.									

Model for variable KWH

Estimated Intercept 4068371

Kentucky Power Company
CITY OF VANCEBURG

The ARIMA Procedure

Autoregressive Factors

Factor 1: $1 - 0.98444 B^{(12)}$
Factor 2: $1 - 0.21782 B^{(1)} - 0.39769 B^{(17)}$

Moving Average Factors

Factor 1: $1 + 0.34437 B^{(11)} - 0.49806 B^{(12)}$

Input Number 1

Input Variable bdd65
Overall Regression Factor 1783.964

Input Number 2

Input Variable bhdd55
Overall Regression Factor 1622.764

Input Number 3

Input Variable VNC1
Overall Regression Factor 7326494

Input Number 4

Input Variable VNC2
Overall Regression Factor 2864533

KPC_Muni_Coop_Model_Output

name	JURIS	revcls	YEAR	MONTH	time	KWH	L95	U95	RESIDUAL
CITY OF OLIVE HILL	KPC	5.2	1999	1	1/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	2	2/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	3	3/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	4	4/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	5	5/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	6	6/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	7	7/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	8	8/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	9	9/1/1999				
CITY OF OLIVE HILL	KPC	5.2	1999	10	10/1/1999	2034000			
CITY OF OLIVE HILL	KPC	5.2	1999	11	11/1/1999	1624800			
CITY OF OLIVE HILL	KPC	5.2	1999	12	12/1/1999	1805400			
CITY OF OLIVE HILL	KPC	5.2	2000	1	1/1/2000	2770800			
CITY OF OLIVE HILL	KPC	5.2	2000	2	2/1/2000	2322600			
CITY OF OLIVE HILL	KPC	5.2	2000	3	3/1/2000	2514000			
CITY OF OLIVE HILL	KPC	5.2	2000	4	4/1/2000	1922400			
CITY OF OLIVE HILL	KPC	5.2	2000	5	5/1/2000	1805400			
CITY OF OLIVE HILL	KPC	5.2	2000	6	6/1/2000	1762800			
CITY OF OLIVE HILL	KPC	5.2	2000	7	7/1/2000	2264400			
CITY OF OLIVE HILL	KPC	5.2	2000	8	8/1/2000	2232600			
CITY OF OLIVE HILL	KPC	5.2	2000	9	9/1/2000	2171400			
CITY OF OLIVE HILL	KPC	5.2	2000	10	10/1/2000	2149800			
CITY OF OLIVE HILL	KPC	5.2	2000	11	11/1/2000	1719600			
CITY OF OLIVE HILL	KPC	5.2	2000	12	12/1/2000	2310600			
CITY OF OLIVE HILL	KPC	5.2	2001	1	1/1/2001	2946600	2368672	3392196	66166.4
CITY OF OLIVE HILL	KPC	5.2	2001	2	2/1/2001	3016800	1804701	2828225	700336.7
CITY OF OLIVE HILL	KPC	5.2	2001	3	3/1/2001	2213400	2055908	3079432	-354270.5
CITY OF OLIVE HILL	KPC	5.2	2001	4	4/1/2001	1875000	1346342	2369866	16896.14
CITY OF OLIVE HILL	KPC	5.2	2001	5	5/1/2001	1926600	1451723	2475247	-36885.35
CITY OF OLIVE HILL	KPC	5.2	2001	6	6/1/2001	1950600	1241693	2265217	197145.3
CITY OF OLIVE HILL	KPC	5.2	2001	7	7/1/2001	2127600	1710699	2734223	-94860.53
CITY OF OLIVE HILL	KPC	5.2	2001	8	8/1/2001	2043600	1819833	2843357	-287994.9
CITY OF OLIVE HILL	KPC	5.2	2001	9	9/1/2001	1536600	1787687	2811211	-762849.4
CITY OF OLIVE HILL	KPC	5.2	2001	10	10/1/2001	1618800	1736512	2760036	-629474.1
CITY OF OLIVE HILL	KPC	5.2	2001	11	11/1/2001	2665800	1430859	2454383	723178.7
CITY OF OLIVE HILL	KPC	5.2	2001	12	12/1/2001	2473200	1836654	2860178	124784.4

KPC_Muni_Coop_Model_Output

CITY OF OLIVE HILL	KPC	5.2	2002	1	1/1/2002	2822400	2105618	3129142	205020.4
CITY OF OLIVE HILL	KPC	5.2	2002	2	2/1/2002	2305800	2001685	3025209	-207647.5
CITY OF OLIVE HILL	KPC	5.2	2002	3	3/1/2002	1447200	636369.4	1659893	299068.6
CITY OF OLIVE HILL	KPC	5.2	2002	4	4/1/2002	3568800	2796508	3820032	260530
CITY OF OLIVE HILL	KPC	5.2	2002	5	5/1/2002	1759200	1281035	2304559	-33597.08
CITY OF OLIVE HILL	KPC	5.2	2002	6	6/1/2002	2199600	1306032	2329556	381805.7
CITY OF OLIVE HILL	KPC	5.2	2002	7	7/1/2002	2733000	1839207	2862731	382031
CITY OF OLIVE HILL	KPC	5.2	2002	8	8/1/2002	2510400	1760362	2783886	238276.3
CITY OF OLIVE HILL	KPC	5.2	2002	9	9/1/2002	2182800	1486018	2509542	185020.1
CITY OF OLIVE HILL	KPC	5.2	2002	10	10/1/2002	1769400	1499651	2523175	-242013.3
CITY OF OLIVE HILL	KPC	5.2	2002	11	11/1/2002	2152200	1629491	2653015	10946.71
CITY OF OLIVE HILL	KPC	5.2	2002	12	12/1/2002	3134400	2002203	3025727	620434.5
CITY OF OLIVE HILL	KPC	5.2	2003	1	1/1/2003	2929200	2347240	3370764	70198.17
CITY OF OLIVE HILL	KPC	5.2	2003	2	2/1/2003	2545200	1895772	2919296	137666.1
CITY OF OLIVE HILL	KPC	5.2	2003	3	3/1/2003	2048400	2098798	3122322	-562159.8
CITY OF OLIVE HILL	KPC	5.2	2003	4	4/1/2003	1948800	1564515	2588039	-127477.5
CITY OF OLIVE HILL	KPC	5.2	2003	5	5/1/2003	1759200	1453816	2477340	-206378.4
CITY OF OLIVE HILL	KPC	5.2	2003	6	6/1/2003	1802400	1441228	2464752	-150589.7
CITY OF OLIVE HILL	KPC	5.2	2003	7	7/1/2003	2522400	1898603	2922127	112035
CITY OF OLIVE HILL	KPC	5.2	2003	8	8/1/2003	2311800	1781044	2804568	18993.65
CITY OF OLIVE HILL	KPC	5.2	2003	9	9/1/2003	1956000	1486205	2509729	-41967.33
CITY OF OLIVE HILL	KPC	5.2	2003	10	10/1/2003	1899600	1296844	2320368	90994.34
CITY OF OLIVE HILL	KPC	5.2	2003	11	11/1/2003	1945200	1654391	2677915	-220953.1
CITY OF OLIVE HILL	KPC	5.2	2003	12	12/1/2003	2980200	2177986	3201510	290451.8
CITY OF OLIVE HILL	KPC	5.2	2004	1	1/1/2004	5491800	5101801	6125325	-121762.7
CITY OF OLIVE HILL	KPC	5.2	2004	2	2/1/2004	2680200	2125032	3148556	43406.21
CITY OF OLIVE HILL	KPC	5.2	2004	3	3/1/2004	2263200	1801363	2824887	-49925.33
CITY OF OLIVE HILL	KPC	5.2	2004	4	4/1/2004	1889400	1523698	2547222	-146059.7
CITY OF OLIVE HILL	KPC	5.2	2004	5	5/1/2004	1944600	1376892	2400416	55946.03
CITY OF OLIVE HILL	KPC	5.2	2004	6	6/1/2004	2245800	1665449	2688973	68588.88
CITY OF OLIVE HILL	KPC	5.2	2004	7	7/1/2004	2372400	1964372	2987896	-103733.8
CITY OF OLIVE HILL	KPC	5.2	2004	8	8/1/2004	2116800	1678613	2702137	-73575.42
CITY OF OLIVE HILL	KPC	5.2	2004	9	9/1/2004	2262000	1349272	2372796	400965.6
CITY OF OLIVE HILL	KPC	5.2	2004	10	10/1/2004	1676400	1313720	2337244	-149082.3
CITY OF OLIVE HILL	KPC	5.2	2004	11	11/1/2004	1890000	1635863	2659387	-257625
CITY OF OLIVE HILL	KPC	5.2	2004	12	12/1/2004	3109200	2395661	3419185	201777.3
CITY OF OLIVE HILL	KPC	5.2	2005	1	1/1/2005	2632200	2455091	3478615	-334653.3

KPC_Muni_Coop_Model_Output

CITY OF OLIVE HILL	KPC	5.2	2005	2	2/1/2005	2297241	1966609	2990133	-181130
CITY OF OLIVE HILL	KPC	5.2	2005	3	3/1/2005	2515200	1980514	3004038	22924.29
CITY OF OLIVE HILL	KPC	5.2	2005	4	4/1/2005	1809000	1615439	2638963	-318200.9
CITY OF OLIVE HILL	KPC	5.2	2005	5	5/1/2005	1762200	1299106	2322630	-48667.66
CITY OF OLIVE HILL	KPC	5.2	2005	6	6/1/2005	2341800	1693448	2716972	136590.4
CITY OF OLIVE HILL	KPC	5.2	2005	7	7/1/2005	2608800	2205176	3228700	-108138.4
CITY OF OLIVE HILL	KPC	5.2	2005	8	8/1/2005	2551800	1987056	3010580	52982.17
CITY OF OLIVE HILL	KPC	5.2	2005	9	9/1/2005	2316600	1814942	2838466	-10104.35
CITY OF OLIVE HILL	KPC	5.2	2005	10	10/1/2005	1744800	1387723	2411247	-154684.5
CITY OF OLIVE HILL	KPC	5.2	2005	11	11/1/2005	2559000	1525834	2549358	521403.8
CITY OF OLIVE HILL	KPC	5.2	2005	12	12/1/2005	2883000	2693078	3716602	-321839.7
CITY OF OLIVE HILL	KPC	5.2	2006	1	1/1/2006	2774912	2165300	3188824	97849.96
CITY OF OLIVE HILL	KPC	5.2	2006	2	2/1/2006	2529599	1984617	3008141	33220.29
CITY OF OLIVE HILL	KPC	5.2	2006	3	3/1/2006	2388699	1826746	2850270	50190.91
CITY OF OLIVE HILL	KPC	5.2	2006	4	4/1/2006	1791134	1397734	2421258	-118361.7
CITY OF OLIVE HILL	KPC	5.2	2006	5	5/1/2006	1887203	1290597	2314120	84844.5
CITY OF OLIVE HILL	KPC	5.2	2006	6	6/1/2006	2051454	1682012	2705536	-142320.2
CITY OF OLIVE HILL	KPC	5.2	2006	7	7/1/2006	2596750	1995986	3019510	89002.47
CITY OF OLIVE HILL	KPC	5.2	2006	8	8/1/2006	2592996	2014283	3037807	66951.43
CITY OF OLIVE HILL	KPC	5.2	2006	9	9/1/2006	1800516	1659923	2683447	-371168.9
CITY OF OLIVE HILL	KPC	5.2	2006	10	10/1/2006	2019286	1210978	2234502	296546.2
CITY OF OLIVE HILL	KPC	5.2	2006	11	11/1/2006	2254740	1839180	2862704	-96202.41
CITY OF OLIVE HILL	KPC	5.2	2006	12	12/1/2006	2662655	2409393	3432917	-258499.8
CITY OF OLIVE HILL	KPC	5.2	2007	1	1/1/2007	2745173	2241670	3265194	-8259.138
CITY OF OLIVE HILL	KPC	5.2	2007	2	2/1/2007	2995023	2185395	3208919	297865.9
CITY OF OLIVE HILL	KPC	5.2	2007	3	3/1/2007	2239520	1952836	2976360	-225078.4
CITY OF OLIVE HILL	KPC	5.2	2007	4	4/1/2007	1977408	1271947	2295471	193698.9
CITY OF OLIVE HILL	KPC	5.2	2007	5	5/1/2007	2037488	1485239	2508763	40486.59
CITY OF OLIVE HILL	KPC	5.2	2007	6	6/1/2007	2198936	1741815	2765339	-54641.26
CITY OF OLIVE HILL	KPC	5.2	2007	7	7/1/2007	2349522	2042125	3065649	-204364.9
CITY OF OLIVE HILL	KPC	5.2	2007	8	8/1/2007	2772236	1936993	2960517	323481.5
CITY OF OLIVE HILL	KPC	5.2	2007	9	9/1/2007	2106517	1820904	2844428	-226149.4
CITY OF OLIVE HILL	KPC	5.2	2007	10	10/1/2007	1932195	1410648	2434172	9785.041
CITY OF OLIVE HILL	KPC	5.2	2007	11	11/1/2007	2276993	1799400	2822924	-34168.64
CITY OF OLIVE HILL	KPC	5.2	2007	12	12/1/2007	2791299	2415278	3438802	-135741.3
CITY OF OLIVE HILL	KPC	5.2	2008	1	1/1/2008	3154233	2260303	3283827	382167.8
CITY OF OLIVE HILL	KPC	5.2	2008	2	2/1/2008	2755285	2207017	3230541	36505.87

KPC_Muni_Coop_Model_Output

CITY OF OLIVE HILL	KPC	5.2	2008	3	3/1/2008	2454729	1792091	2815615	150875.9
CITY OF OLIVE HILL	KPC	5.2	2008	4	4/1/2008	1874737	1365903	2389427	-2927.737
CITY OF OLIVE HILL	KPC	5.2	2008	5	5/1/2008	1807207	1395986	2419510	-100541.4
CITY OF OLIVE HILL	KPC	5.2	2008	6	6/1/2008	2220862	1699359	2722883	9740.698
CITY OF OLIVE HILL	KPC	5.2	2008	7	7/1/2008	2398257	1949812	2973336	-63317.27
CITY OF OLIVE HILL	KPC	5.2	2008	8	8/1/2008	2280182	2017335	3040859	-248915.4
CITY OF OLIVE HILL	KPC	5.2	2008	9	9/1/2008	2010659	1532943	2556467	-34045.52
CITY OF OLIVE HILL	KPC	5.2	2008	10	10/1/2008	1916447	1431136	2454660	-26450.87
CITY OF OLIVE HILL	KPC	5.2	2008	11	11/1/2008	2403114	1891352	2914876	13985.85
CITY OF OLIVE HILL	KPC	5.2	2008	12	12/1/2008	2811421	2299659	3323183	173987.3
CITY OF OLIVE HILL	KPC	5.2	2009	1	1/1/2009	3001060	2489298	3512822	
CITY OF OLIVE HILL	KPC	5.2	2009	2	2/1/2009	2755218	2243456	3266980	
CITY OF OLIVE HILL	KPC	5.2	2009	3	3/1/2009	2402695	1874474	2930915	
CITY OF OLIVE HILL	KPC	5.2	2009	4	4/1/2009	1920526	1392305	2448747	
CITY OF OLIVE HILL	KPC	5.2	2009	5	5/1/2009	1949899	1420620	2479177	
CITY OF OLIVE HILL	KPC	5.2	2009	6	6/1/2009	2202738	1673459	2732016	
CITY OF OLIVE HILL	KPC	5.2	2009	7	7/1/2009	2524761	1995413	3054109	
CITY OF OLIVE HILL	KPC	5.2	2009	8	8/1/2009	2542865	2013517	3072212	
CITY OF OLIVE HILL	KPC	5.2	2009	9	9/1/2009	1968898	1439546	2498251	
CITY OF OLIVE HILL	KPC	5.2	2009	10	10/1/2009	1980271	1450919	2509624	
CITY OF OLIVE HILL	KPC	5.2	2009	11	11/1/2009	2359904	1830552	2889257	
CITY OF OLIVE HILL	KPC	5.2	2009	12	12/1/2009	2872843	2343490	3402196	
CITY OF OLIVE HILL	KPC	5.2	2010	1	1/1/2010	3021414	2449728	3593100	
CITY OF OLIVE HILL	KPC	5.2	2010	2	2/1/2010	2869456	2297770	3441143	
CITY OF OLIVE HILL	KPC	5.2	2010	3	3/1/2010	2379488	1805144	2953832	
CITY OF OLIVE HILL	KPC	5.2	2010	4	4/1/2010	1966488	1392144	2540832	
CITY OF OLIVE HILL	KPC	5.2	2010	5	5/1/2010	1986918	1412401	2561436	
CITY OF OLIVE HILL	KPC	5.2	2010	6	6/1/2010	2228965	1654447	2803483	
CITY OF OLIVE HILL	KPC	5.2	2010	7	7/1/2010	2483097	1908568	3057626	
CITY OF OLIVE HILL	KPC	5.2	2010	8	8/1/2010	2613786	2039257	3188315	
CITY OF OLIVE HILL	KPC	5.2	2010	9	9/1/2010	2013141	1438611	2587671	
CITY OF OLIVE HILL	KPC	5.2	2010	10	10/1/2010	1943699	1369169	2518228	
CITY OF OLIVE HILL	KPC	5.2	2010	11	11/1/2010	2377697	1803168	2952227	
CITY OF OLIVE HILL	KPC	5.2	2010	12	12/1/2010	2912059	2337530	3486589	
CITY OF OLIVE HILL	KPC	5.2	2011	1	1/1/2011	3109956	2497051	3722862	
CITY OF OLIVE HILL	KPC	5.2	2011	2	2/1/2011	2845538	2232633	3458443	
CITY OF OLIVE HILL	KPC	5.2	2011	3	3/1/2011	2444087	1828757	3059417	

KPC_Muni_Coop_Model_Output

CITY OF OLIVE HILL	KPC	5.2	2011	4	4/1/2011	1968559	1353229	2583889
CITY OF OLIVE HILL	KPC	5.2	2011	5	5/1/2011	1968091	1352603	2583579
CITY OF OLIVE HILL	KPC	5.2	2011	6	6/1/2011	2268504	1653016	2883992
CITY OF OLIVE HILL	KPC	5.2	2011	7	7/1/2011			
CITY OF OLIVE HILL	KPC	5.2	2011	8	8/1/2011			
CITY OF OLIVE HILL	KPC	5.2	2011	9	9/1/2011			
CITY OF OLIVE HILL	KPC	5.2	2011	10	10/1/2011			
CITY OF OLIVE HILL	KPC	5.2	2011	11	11/1/2011			
CITY OF OLIVE HILL	KPC	5.2	2011	12	12/1/2011			
CITY OF VANCEBURG	KPC	5.2	1999	1	1/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	2	2/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	3	3/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	4	4/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	5	5/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	6	6/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	7	7/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	8	8/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	9	9/1/1999			
CITY OF VANCEBURG	KPC	5.2	1999	10	10/1/1999	12234300		
CITY OF VANCEBURG	KPC	5.2	1999	11	11/1/1999	4042900		
CITY OF VANCEBURG	KPC	5.2	1999	12	12/1/1999			
CITY OF VANCEBURG	KPC	5.2	2000	1	1/1/2000	11198700		
CITY OF VANCEBURG	KPC	5.2	2000	2	2/1/2000	4776100		
CITY OF VANCEBURG	KPC	5.2	2000	3	3/1/2000			
CITY OF VANCEBURG	KPC	5.2	2000	4	4/1/2000	7805000		
CITY OF VANCEBURG	KPC	5.2	2000	5	5/1/2000	3630100		
CITY OF VANCEBURG	KPC	5.2	2000	6	6/1/2000			
CITY OF VANCEBURG	KPC	5.2	2000	7	7/1/2000	8795500		
CITY OF VANCEBURG	KPC	5.2	2000	8	8/1/2000			
CITY OF VANCEBURG	KPC	5.2	2000	9	9/1/2000	8408200		
CITY OF VANCEBURG	KPC	5.2	2000	10	10/1/2000	3749100		
CITY OF VANCEBURG	KPC	5.2	2000	11	11/1/2000	4730900		
CITY OF VANCEBURG	KPC	5.2	2000	12	12/1/2000	6660700		
CITY OF VANCEBURG	KPC	5.2	2001	1	1/1/2001	6180900	4553596	6235592 786305.6
CITY OF VANCEBURG	KPC	5.2	2001	2	2/1/2001	4843900	4425561	6107557 -422658.7
CITY OF VANCEBURG	KPC	5.2	2001	3	3/1/2001	5280800	3891463	5573459 548338.7
CITY OF VANCEBURG	KPC	5.2	2001	4	4/1/2001	3948600	3896315	5578311 -788712.6

KPC_Muni_Coop_Model_Output

CITY OF VANCEBURG	KPC	5.2	2001	5	5/1/2001	3796800	3306411	4988407	-350609.2
CITY OF VANCEBURG	KPC	5.2	2001	6	6/1/2001	4291100	3286148	4968144	163954.3
CITY OF VANCEBURG	KPC	5.2	2001	7	7/1/2001	5052300	3645164	5327160	566138.2
CITY OF VANCEBURG	KPC	5.2	2001	8	8/1/2001	5356400	3944366	5626362	571035.7
CITY OF VANCEBURG	KPC	5.2	2001	9	9/1/2001	4096800	3839038	5521034	-583235.6
CITY OF VANCEBURG	KPC	5.2	2001	10	10/1/2001	4088300	3290035	4972031	-42732.66
CITY OF VANCEBURG	KPC	5.2	2001	11	11/1/2001	4300600	3443937	5125933	15665.28
CITY OF VANCEBURG	KPC	5.2	2001	12	12/1/2001	2299200	908386.6	2590382	549815.5
CITY OF VANCEBURG	KPC	5.2	2002	1	1/1/2002	8943700	7437399	9119395	665303.1
CITY OF VANCEBURG	KPC	5.2	2002	2	2/1/2002	5190600	4213318	5895314	136284.4
CITY OF VANCEBURG	KPC	5.2	2002	3	3/1/2002	5282300	3984542	5666538	456760.4
CITY OF VANCEBURG	KPC	5.2	2002	4	4/1/2002	4297500	3235965	4917961	220536.9
CITY OF VANCEBURG	KPC	5.2	2002	5	5/1/2002	4214600	3265136	4947131	108466.6
CITY OF VANCEBURG	KPC	5.2	2002	6	6/1/2002	5048200	4101314	5783309	105888.4
CITY OF VANCEBURG	KPC	5.2	2002	7	7/1/2002	5847100	4298073	5980069	708028.9
CITY OF VANCEBURG	KPC	5.2	2002	8	8/1/2002	5728200	4466049	6148045	421152.7
CITY OF VANCEBURG	KPC	5.2	2002	9	9/1/2002	4737700	3483962	5165958	412739.7
CITY OF VANCEBURG	KPC	5.2	2002	10	10/1/2002	4543600	3295871	4977867	406730.8
CITY OF VANCEBURG	KPC	5.2	2002	11	11/1/2002	5228200	3774228	5456224	612973.8
CITY OF VANCEBURG	KPC	5.2	2002	12	12/1/2002	6307200	5187220	6869216	278982.2
CITY OF VANCEBURG	KPC	5.2	2003	1	1/1/2003	7196800	5347211	7029207	1008591
CITY OF VANCEBURG	KPC	5.2	2003	2	2/1/2003	4933800	5029629	6711625	-936826.7
CITY OF VANCEBURG	KPC	5.2	2003	3	3/1/2003	5240000	4242379	5924375	156622.7
CITY OF VANCEBURG	KPC	5.2	2003	4	4/1/2003	4292700	3193008	4875003	258694.4
CITY OF VANCEBURG	KPC	5.2	2003	5	5/1/2003	4109500	3640579	5322574	-372076.5
CITY OF VANCEBURG	KPC	5.2	2003	6	6/1/2003	4543000	4299292	5981288	-597289.7
CITY OF VANCEBURG	KPC	5.2	2003	7	7/1/2003	5596500	4798571	6480567	-43068.96
CITY OF VANCEBURG	KPC	5.2	2003	8	8/1/2003	5731100	4576545	6258540	313557.4
CITY OF VANCEBURG	KPC	5.2	2003	9	9/1/2003	4620900	3915368	5597363	-135465.5
CITY OF VANCEBURG	KPC	5.2	2003	10	10/1/2003	4660600	3750260	5432256	69342.33
CITY OF VANCEBURG	KPC	5.2	2003	11	11/1/2003	5006200	4365177	6047173	-199974.9
CITY OF VANCEBURG	KPC	5.2	2003	12	12/1/2003	6571300	5679644	7361639	50658.54
CITY OF VANCEBURG	KPC	5.2	2004	1	1/1/2004	14046200	13029342	14711338	175860
CITY OF VANCEBURG	KPC	5.2	2004	2	2/1/2004	6448700	4598801	6280797	1008901
CITY OF VANCEBURG	KPC	5.2	2004	3	3/1/2004	5622300	4709146	6391141	72156.5
CITY OF VANCEBURG	KPC	5.2	2004	4	4/1/2004	4774800	3815237	5497233	118564.8
CITY OF VANCEBURG	KPC	5.2	2004	5	5/1/2004	5165900	3689017	5371013	635884.8

KPC_Muni_Coop_Model_Output

CITY OF VANCEBURG	KPC	5.2	2004	6	6/1/2004	5227000	4909212	6591208	-523209.8
CITY OF VANCEBURG	KPC	5.2	2004	7	7/1/2004	5771900	4713800	6395796	217102.3
CITY OF VANCEBURG	KPC	5.2	2004	8	8/1/2004	5463400	4590242	6272237	32160.54
CITY OF VANCEBURG	KPC	5.2	2004	9	9/1/2004	4894000	3817680	5499675	235322.5
CITY OF VANCEBURG	KPC	5.2	2004	10	10/1/2004	4625900	3775941	5457937	8961.097
CITY OF VANCEBURG	KPC	5.2	2004	11	11/1/2004	5099800	4095354	5777350	163448.1
CITY OF VANCEBURG	KPC	5.2	2004	12	12/1/2004	6754800	5647341	7329336	266461.5
CITY OF VANCEBURG	KPC	5.2	2005	1	1/1/2005	6745600	6159838	7841834	-255235.9
CITY OF VANCEBURG	KPC	5.2	2005	2	2/1/2005	5941500	4950717	6632713	149785.2
CITY OF VANCEBURG	KPC	5.2	2005	3	3/1/2005	6355800	4948738	6630733	566064.5
CITY OF VANCEBURG	KPC	5.2	2005	4	4/1/2005	4677400	4172881	5854877	-336478.8
CITY OF VANCEBURG	KPC	5.2	2005	5	5/1/2005	4702300	3920540	5602536	-59237.71
CITY OF VANCEBURG	KPC	5.2	2005	6	6/1/2005	5447400	4334013	6016009	272389.1
CITY OF VANCEBURG	KPC	5.2	2005	7	7/1/2005	6301700	5723944	7405939	-263241.5
CITY OF VANCEBURG	KPC	5.2	2005	8	8/1/2005	6255200	5347430	7029426	66771.85
CITY OF VANCEBURG	KPC	5.2	2005	9	9/1/2005	5113200	4385248	6067244	-113046.3
CITY OF VANCEBURG	KPC	5.2	2005	10	10/1/2005	5019600	4369281	6051277	-190678.9
CITY OF VANCEBURG	KPC	5.2	2005	11	11/1/2005	5577300	4601973	6283969	134329.3
CITY OF VANCEBURG	KPC	5.2	2005	12	12/1/2005	7594900	6115460	7797456	638442
CITY OF VANCEBURG	KPC	5.2	2006	1	1/1/2006	6398257	6082927	7764923	-525667.7
CITY OF VANCEBURG	KPC	5.2	2006	2	2/1/2006	6314298	4991764	6673760	481536
CITY OF VANCEBURG	KPC	5.2	2006	3	3/1/2006	6145647	5178089	6860085	126560.3
CITY OF VANCEBURG	KPC	5.2	2006	4	4/1/2006	4667655	4049939	5731935	-223281.8
CITY OF VANCEBURG	KPC	5.2	2006	5	5/1/2006	5015456	4023743	5705738	150715.4
CITY OF VANCEBURG	KPC	5.2	2006	6	6/1/2006	5415456	4468552	6150548	105906
CITY OF VANCEBURG	KPC	5.2	2006	7	7/1/2006	6364417	5314066	6996062	209352.7
CITY OF VANCEBURG	KPC	5.2	2006	8	8/1/2006	6583382	5539822	7221818	202562.3
CITY OF VANCEBURG	KPC	5.2	2006	9	9/1/2006	5034548	4169921	5851916	23629.55
CITY OF VANCEBURG	KPC	5.2	2006	10	10/1/2006	5601748	4011721	5693717	749029.2
CITY OF VANCEBURG	KPC	5.2	2006	11	11/1/2006	5947180	5268417	6950413	-162234.8
CITY OF VANCEBURG	KPC	5.2	2006	12	12/1/2006	6807119	6166303	7848299	-200181.7
CITY OF VANCEBURG	KPC	5.2	2007	1	1/1/2007	6588896	5812154	7494150	-64256.12
CITY OF VANCEBURG	KPC	5.2	2007	2	2/1/2007	7202739	5830272	7512268	531468.8
CITY OF VANCEBURG	KPC	5.2	2007	3	3/1/2007	6068974	5548263	7230259	-320287
CITY OF VANCEBURG	KPC	5.2	2007	4	4/1/2007	5517935	4037117	5719113	639820.3
CITY OF VANCEBURG	KPC	5.2	2007	5	5/1/2007	5427061	4670881	6352877	-84817.81
CITY OF VANCEBURG	KPC	5.2	2007	6	6/1/2007	5802358	4645354	6327350	316005.9

KPC_Muni_Coop_Model_Output

CITY OF VANCEBURG	KPC	5.2	2007	7	7/1/2007	6033322	5843004	7525000	-650680.1
CITY OF VANCEBURG	KPC	5.2	2007	8	8/1/2007	6768081	5368947	7050943	558135.9
CITY OF VANCEBURG	KPC	5.2	2007	9	9/1/2007	5222239	4696374	6378370	-315133.3
CITY OF VANCEBURG	KPC	5.2	2007	10	10/1/2007	4820080	4658250	6340246	-679168.1
CITY OF VANCEBURG	KPC	5.2	2007	11	11/1/2007	5498788	4816137	6498133	-158346.9
CITY OF VANCEBURG	KPC	5.2	2007	12	12/1/2007	6876039	6093799	7775795	-58757.74
CITY OF VANCEBURG	KPC	5.2	2008	1	1/1/2008	7869550	6348743	8030739	679809.1
CITY OF VANCEBURG	KPC	5.2	2008	2	2/1/2008	7046240	6051532	7733528	153710
CITY OF VANCEBURG	KPC	5.2	2008	3	3/1/2008	6590161	5766575	7448571	-17411.62
CITY OF VANCEBURG	KPC	5.2	2008	4	4/1/2008	5051722	4570213	6252209	-359488.8
CITY OF VANCEBURG	KPC	5.2	2008	5	5/1/2008	4953384	4327789	6009785	-215402.8
CITY OF VANCEBURG	KPC	5.2	2008	6	6/1/2008	5619318	4529690	6211686	248629.8
CITY OF VANCEBURG	KPC	5.2	2008	7	7/1/2008	6184453	5740030	7422026	-396575.4
CITY OF VANCEBURG	KPC	5.2	2008	8	8/1/2008	5845131	5350124	7032120	-345990.9
CITY OF VANCEBURG	KPC	5.2	2008	9	9/1/2008	4987397	4269603	5951599	-123204.4
CITY OF VANCEBURG	KPC	5.2	2008	10	10/1/2008	5121746	4237650	5919646	43097.96
CITY OF VANCEBURG	KPC	5.2	2008	11	11/1/2008	5732511	4891513	6573508	136479.4
CITY OF VANCEBURG	KPC	5.2	2008	12	12/1/2008	7051803	6210805	7892801	-367333.2
CITY OF VANCEBURG	KPC	5.2	2009	1	1/1/2009	7770067	6929069	8611065	
CITY OF VANCEBURG	KPC	5.2	2009	2	2/1/2009	6930964	6070246	7791681	
CITY OF VANCEBURG	KPC	5.2	2009	3	3/1/2009	5950874	5089233	6812516	
CITY OF VANCEBURG	KPC	5.2	2009	4	4/1/2009	4915043	4053358	5776728	
CITY OF VANCEBURG	KPC	5.2	2009	5	5/1/2009	5176207	4314519	6037894	
CITY OF VANCEBURG	KPC	5.2	2009	6	6/1/2009	5845630	4983942	6707317	
CITY OF VANCEBURG	KPC	5.2	2009	7	7/1/2009	6382987	5521299	7244674	
CITY OF VANCEBURG	KPC	5.2	2009	8	8/1/2009	6357143	5495455	7218830	
CITY OF VANCEBURG	KPC	5.2	2009	9	9/1/2009	4982487	4120799	5844174	
CITY OF VANCEBURG	KPC	5.2	2009	10	10/1/2009	4987417	4125729	5849104	
CITY OF VANCEBURG	KPC	5.2	2009	11	11/1/2009	5609408	4747720	6471095	
CITY OF VANCEBURG	KPC	5.2	2009	12	12/1/2009	6897071	5988015	7806126	
CITY OF VANCEBURG	KPC	5.2	2010	1	1/1/2010	7470632	6446285	8494979	
CITY OF VANCEBURG	KPC	5.2	2010	2	2/1/2010	6840155	5810659	7869651	
CITY OF VANCEBURG	KPC	5.2	2010	3	3/1/2010	6094019	5064279	7123759	
CITY OF VANCEBURG	KPC	5.2	2010	4	4/1/2010	5101661	4071910	6131412	
CITY OF VANCEBURG	KPC	5.2	2010	5	5/1/2010	5139748	4109996	6169500	
CITY OF VANCEBURG	KPC	5.2	2010	6	6/1/2010	5741707	4658931	6824484	
CITY OF VANCEBURG	KPC	5.2	2010	7	7/1/2010	6285718	5193176	7378260	

KPC_Muni_Coop_Model_Output

CITY OF VANCEBURG	KPC	5.2	2010	8	8/1/2010	6107417	5013838	7200997
CITY OF VANCEBURG	KPC	5.2	2010	9	9/1/2010	4869036	3775370	5962703
CITY OF VANCEBURG	KPC	5.2	2010	10	10/1/2010	5024675	3931001	6118348
CITY OF VANCEBURG	KPC	5.2	2010	11	11/1/2010	5682486	4588812	6776160
CITY OF VANCEBURG	KPC	5.2	2010	12	12/1/2010	6938730	5808442	8069017
CITY OF VANCEBURG	KPC	5.2	2011	1	1/1/2011	7619378	6397236	8841519
CITY OF VANCEBURG	KPC	5.2	2011	2	2/1/2011	6851210	5624881	8077539
CITY OF VANCEBURG	KPC	5.2	2011	3	3/1/2011	6035890	4809363	7262417
CITY OF VANCEBURG	KPC	5.2	2011	4	4/1/2011	4989819	3763282	6216355
CITY OF VANCEBURG	KPC	5.2	2011	5	5/1/2011	5200571	3968541	6432602
CITY OF VANCEBURG	KPC	5.2	2011	6	6/1/2011	5633750	4383429	6884070
CITY OF VANCEBURG	KPC	5.2	2011	7	7/1/2011			
CITY OF VANCEBURG	KPC	5.2	2011	8	8/1/2011			
CITY OF VANCEBURG	KPC	5.2	2011	9	9/1/2011			
CITY OF VANCEBURG	KPC	5.2	2011	10	10/1/2011			
CITY OF VANCEBURG	KPC	5.2	2011	11	11/1/2011			
CITY OF VANCEBURG	KPC	5.2	2011	12	12/1/2011			

LONG-TERM RESIDENTIAL

Kentucky Power Company
Residential Customers
Endogenous Variable

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2011.00
MONTH	MONTH	6.5000000
cr_kpc	Residential Customers	137757.32

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
1	1984	1	126446
2	1984	2	126527
3	1984	3	126401
4	1984	4	126135
5	1984	5	126120
6	1984	6	125775
7	1984	7	125771
8	1984	8	126000
9	1984	9	126300
10	1984	10	126452
11	1984	11	126662
12	1984	12	127012
13	1985	1	127196
14	1985	2	127406
15	1985	3	126987
16	1985	4	126739
17	1985	5	126678
18	1985	6	126652
19	1985	7	126651
20	1985	8	126750
21	1985	9	126986
22	1985	10	127194
23	1985	11	127323
24	1985	12	127763
25	1986	1	127982
26	1986	2	128202
27	1986	3	127974
28	1986	4	127624
29	1986	5	127377
30	1986	6	127326
31	1986	7	127378
32	1986	8	127497
33	1986	9	127574
34	1986	10	127502
35	1986	11	127669

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
36	1986	12	127997
37	1987	1	128282
38	1987	2	128348
39	1987	3	128172
40	1987	4	127967
41	1987	5	128015
42	1987	6	127842
43	1987	7	127910
44	1987	8	128010
45	1987	9	128009
46	1987	10	128109
47	1987	11	128326
48	1987	12	128631
49	1988	1	128848
50	1988	2	128842
51	1988	3	128765
52	1988	4	128614
53	1988	5	128618
54	1988	6	128670
55	1988	7	128899
56	1988	8	129025
57	1988	9	129003
58	1988	10	129305
59	1988	11	129394
60	1988	12	129690
61	1989	1	129866
62	1989	2	129919
63	1989	3	129964
64	1989	4	129840
65	1989	5	129788
66	1989	6	129784
67	1989	7	129870
68	1989	8	130002
69	1989	9	130005
70	1989	10	130168

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
71	1989	11	130426
72	1989	12	130708
73	1990	1	130805
74	1990	2	130825
75	1990	3	130851
76	1990	4	130801
77	1990	5	130855
78	1990	6	130919
79	1990	7	130943
80	1990	8	131083
81	1990	9	131161
82	1990	10	131398
83	1990	11	131571
84	1990	12	131808
85	1991	1	132016
86	1991	2	132045
87	1991	3	132002
88	1991	4	131884
89	1991	5	131872
90	1991	6	132027
91	1991	7	132194
92	1991	8	132405
93	1991	9	132437
94	1991	10	132656
95	1991	11	132904
96	1991	12	133091
97	1992	1	133234
98	1992	2	133373
99	1992	3	133446
100	1992	4	133464
101	1992	5	133445
102	1992	6	133566
103	1992	7	133827
104	1992	8	133959
105	1992	9	134111

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
106	1992	10	134211
107	1992	11	134592
108	1992	12	134850
109	1993	1	135091
110	1993	2	135218
111	1993	3	135374
112	1993	4	135338
113	1993	5	135216
114	1993	6	135294
115	1993	7	135439
116	1993	8	135778
117	1993	9	136030
118	1993	10	136227
119	1993	11	136537
120	1993	12	136822
121	1994	1	137060
122	1994	2	137115
123	1994	3	136980
124	1994	4	136897
125	1994	5	136933
126	1994	6	137070
127	1994	7	137264
128	1994	8	137444
129	1994	9	137657
130	1994	10	137923
131	1994	11	138233
132	1994	12	138639
133	1995	1	138751
134	1995	2	139081
135	1995	3	139035
136	1995	4	138956
137	1995	5	139003
138	1995	6	139129
139	1995	7	139232
140	1995	8	139483

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
141	1995	9	139721
142	1995	10	139866
143	1995	11	140041
144	1995	12	140410
145	1996	1	140797
146	1996	2	140265
147	1996	3	140887
148	1996	4	140586
149	1996	5	140510
150	1996	6	140617
151	1996	7	140661
152	1996	8	140725
153	1996	9	140996
154	1996	10	141077
155	1996	11	141356
156	1996	12	141651
157	1997	1	141830
158	1997	2	141839
159	1997	3	141572
160	1997	4	141364
161	1997	5	141345
162	1997	6	141476
163	1997	7	141515
164	1997	8	141811
165	1997	9	141920
166	1997	10	141988
167	1997	11	151125
168	1997	12	138582
169	1998	1	142740
170	1998	2	142471
171	1998	3	142614
172	1998	4	142771
173	1998	5	142280
174	1998	6	142257
175	1998	7	142397

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
176	1998	8	142602
177	1998	9	142455
178	1998	10	142643
179	1998	11	142896
180	1998	12	143048
181	1999	1	143197
182	1999	2	143168
183	1999	3	143337
184	1999	4	143195
185	1999	5	142917
186	1999	6	142951
187	1999	7	142955
188	1999	8	143050
189	1999	9	143099
190	1999	10	143243
191	1999	11	143398
192	1999	12	143574
193	2000	1	143869
194	2000	2	143934
195	2000	3	143862
196	2000	4	143461
197	2000	5	143434
198	2000	6	143303
199	2000	7	143298
200	2000	8	143438
201	2000	9	143541
202	2000	10	143672
203	2000	11	143791
204	2000	12	144226
205	2001	1	144223
206	2001	2	144273
207	2001	3	144119
208	2001	4	143978
209	2001	5	143932
210	2001	6	143849

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
211	2001	7	143853
212	2001	8	143911
213	2001	9	144012
214	2001	10	144138
215	2001	11	144214
216	2001	12	144447
217	2002	1	144776
218	2002	2	144635
219	2002	3	144570
220	2002	4	144471
221	2002	5	144097
222	2002	6	144170
223	2002	7	144163
224	2002	8	144235
225	2002	9	144234
226	2002	10	144277
227	2002	11	144470
228	2002	12	144696
229	2003	1	144903
230	2003	2	144848
231	2003	3	144700
232	2003	4	144415
233	2003	5	144250
234	2003	6	144177
235	2003	7	144130
236	2003	8	144290
237	2003	9	144411
238	2003	10	144406
239	2003	11	144466
240	2003	12	144850
241	2004	1	145096
242	2004	2	144846
243	2004	3	144789
244	2004	4	144670
245	2004	5	144359

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
246	2004	6	144117
247	2004	7	144037
248	2004	8	144066
249	2004	9	144081
250	2004	10	144159
251	2004	11	144360
252	2004	12	144623
253	2005	1	144900
254	2005	2	144415
255	2005	3	145259
256	2005	4	144955
257	2005	5	144302
258	2005	6	144342
259	2005	7	144274
260	2005	8	144231
261	2005	9	144191
262	2005	10	144223
263	2005	11	144419
264	2005	12	144641
265	2006	1	144830
266	2006	2	144530
267	2006	3	145013
268	2006	4	144560
269	2006	5	144258
270	2006	6	144120
271	2006	7	144118
272	2006	8	144248
273	2006	9	144269
274	2006	10	144313
275	2006	11	144545
276	2006	12	144554
277	2007	1	144815
278	2007	2	144843
279	2007	3	144494
280	2007	4	144179

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
281	2007	5	143841
282	2007	6	143743
283	2007	7	143666
284	2007	8	143970
285	2007	9	144118
286	2007	10	144087
287	2007	11	144181
288	2007	12	144542
289	2008	1	144825
290	2008	2	144690
291	2008	3	144365
292	2008	4	143988
293	2008	5	143799
294	2008	6	143710
295	2008	7	143789
296	2008	8	143832
297	2008	9	143855
298	2008	10	143884
299	2008	11	.
300	2008	12	.
301	2009	1	.
302	2009	2	.
303	2009	3	.
304	2009	4	.
305	2009	5	.
306	2009	6	.
307	2009	7	.
308	2009	8	.
309	2009	9	.
310	2009	10	.
311	2009	11	.
312	2009	12	.
313	2010	1	.
314	2010	2	.
315	2010	3	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
316	2010	4	.
317	2010	5	.
318	2010	6	.
319	2010	7	.
320	2010	8	.
321	2010	9	.
322	2010	10	.
323	2010	11	.
324	2010	12	.
325	2011	1	.
326	2011	2	.
327	2011	3	.
328	2011	4	.
329	2011	5	.
330	2011	6	.
331	2011	7	.
332	2011	8	.
333	2011	9	.
334	2011	10	.
335	2011	11	.
336	2011	12	.
337	2012	1	.
338	2012	2	.
339	2012	3	.
340	2012	4	.
341	2012	5	.
342	2012	6	.
343	2012	7	.
344	2012	8	.
345	2012	9	.
346	2012	10	.
347	2012	11	.
348	2012	12	.
349	2013	1	.
350	2013	2	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
351	2013	3	.
352	2013	4	.
353	2013	5	.
354	2013	6	.
355	2013	7	.
356	2013	8	.
357	2013	9	.
358	2013	10	.
359	2013	11	.
360	2013	12	.
361	2014	1	.
362	2014	2	.
363	2014	3	.
364	2014	4	.
365	2014	5	.
366	2014	6	.
367	2014	7	.
368	2014	8	.
369	2014	9	.
370	2014	10	.
371	2014	11	.
372	2014	12	.
373	2015	1	.
374	2015	2	.
375	2015	3	.
376	2015	4	.
377	2015	5	.
378	2015	6	.
379	2015	7	.
380	2015	8	.
381	2015	9	.
382	2015	10	.
383	2015	11	.
384	2015	12	.
385	2016	1	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
386	2016	2	.
387	2016	3	.
388	2016	4	.
389	2016	5	.
390	2016	6	.
391	2016	7	.
392	2016	8	.
393	2016	9	.
394	2016	10	.
395	2016	11	.
396	2016	12	.
397	2017	1	.
398	2017	2	.
399	2017	3	.
400	2017	4	.
401	2017	5	.
402	2017	6	.
403	2017	7	.
404	2017	8	.
405	2017	9	.
406	2017	10	.
407	2017	11	.
408	2017	12	.
409	2018	1	.
410	2018	2	.
411	2018	3	.
412	2018	4	.
413	2018	5	.
414	2018	6	.
415	2018	7	.
416	2018	8	.
417	2018	9	.
418	2018	10	.
419	2018	11	.
420	2018	12	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
421	2019	1	.
422	2019	2	.
423	2019	3	.
424	2019	4	.
425	2019	5	.
426	2019	6	.
427	2019	7	.
428	2019	8	.
429	2019	9	.
430	2019	10	.
431	2019	11	.
432	2019	12	.
433	2020	1	.
434	2020	2	.
435	2020	3	.
436	2020	4	.
437	2020	5	.
438	2020	6	.
439	2020	7	.
440	2020	8	.
441	2020	9	.
442	2020	10	.
443	2020	11	.
444	2020	12	.
445	2021	1	.
446	2021	2	.
447	2021	3	.
448	2021	4	.
449	2021	5	.
450	2021	6	.
451	2021	7	.
452	2021	8	.
453	2021	9	.
454	2021	10	.
455	2021	11	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
456	2021	12	.
457	2022	1	.
458	2022	2	.
459	2022	3	.
460	2022	4	.
461	2022	5	.
462	2022	6	.
463	2022	7	.
464	2022	8	.
465	2022	9	.
466	2022	10	.
467	2022	11	.
468	2022	12	.
469	2023	1	.
470	2023	2	.
471	2023	3	.
472	2023	4	.
473	2023	5	.
474	2023	6	.
475	2023	7	.
476	2023	8	.
477	2023	9	.
478	2023	10	.
479	2023	11	.
480	2023	12	.
481	2024	1	.
482	2024	2	.
483	2024	3	.
484	2024	4	.
485	2024	5	.
486	2024	6	.
487	2024	7	.
488	2024	8	.
489	2024	9	.
490	2024	10	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
491	2024	11	.
492	2024	12	.
493	2025	1	.
494	2025	2	.
495	2025	3	.
496	2025	4	.
497	2025	5	.
498	2025	6	.
499	2025	7	.
500	2025	8	.
501	2025	9	.
502	2025	10	.
503	2025	11	.
504	2025	12	.
505	2026	1	.
506	2026	2	.
507	2026	3	.
508	2026	4	.
509	2026	5	.
510	2026	6	.
511	2026	7	.
512	2026	8	.
513	2026	9	.
514	2026	10	.
515	2026	11	.
516	2026	12	.
517	2027	1	.
518	2027	2	.
519	2027	3	.
520	2027	4	.
521	2027	5	.
522	2027	6	.
523	2027	7	.
524	2027	8	.
525	2027	9	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
526	2027	10	.
527	2027	11	.
528	2027	12	.
529	2028	1	.
530	2028	2	.
531	2028	3	.
532	2028	4	.
533	2028	5	.
534	2028	6	.
535	2028	7	.
536	2028	8	.
537	2028	9	.
538	2028	10	.
539	2028	11	.
540	2028	12	.
541	2029	1	.
542	2029	2	.
543	2029	3	.
544	2029	4	.
545	2029	5	.
546	2029	6	.
547	2029	7	.
548	2029	8	.
549	2029	9	.
550	2029	10	.
551	2029	11	.
552	2029	12	.
553	2030	1	.
554	2030	2	.
555	2030	3	.
556	2030	4	.
557	2030	5	.
558	2030	6	.
559	2030	7	.
560	2030	8	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
561	2030	9	.
562	2030	10	.
563	2030	11	.
564	2030	12	.
565	2031	1	.
566	2031	2	.
567	2031	3	.
568	2031	4	.
569	2031	5	.
570	2031	6	.
571	2031	7	.
572	2031	8	.
573	2031	9	.
574	2031	10	.
575	2031	11	.
576	2031	12	.
577	2032	1	.
578	2032	2	.
579	2032	3	.
580	2032	4	.
581	2032	5	.
582	2032	6	.
583	2032	7	.
584	2032	8	.
585	2032	9	.
586	2032	10	.
587	2032	11	.
588	2032	12	.
589	2033	1	.
590	2033	2	.
591	2033	3	.
592	2033	4	.
593	2033	5	.
594	2033	6	.
595	2033	7	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
596	2033	8	.
597	2033	9	.
598	2033	10	.
599	2033	11	.
600	2033	12	.
601	2034	1	.
602	2034	2	.
603	2034	3	.
604	2034	4	.
605	2034	5	.
606	2034	6	.
607	2034	7	.
608	2034	8	.
609	2034	9	.
610	2034	10	.
611	2034	11	.
612	2034	12	.
613	2035	1	.
614	2035	2	.
615	2035	3	.
616	2035	4	.
617	2035	5	.
618	2035	6	.
619	2035	7	.
620	2035	8	.
621	2035	9	.
622	2035	10	.
623	2035	11	.
624	2035	12	.
625	2036	1	.
626	2036	2	.
627	2036	3	.
628	2036	4	.
629	2036	5	.
630	2036	6	.

Kentucky Power Company
Residential Customers
Endogenous Variable

Obs	YEAR	MONTH	cr_kpc
631	2036	7	.
632	2036	8	.
633	2036	9	.
634	2036	10	.
635	2036	11	.
636	2036	12	.
637	2037	1	.
638	2037	2	.
639	2037	3	.
640	2037	4	.
641	2037	5	.
642	2037	6	.
643	2037	7	.
644	2037	8	.
645	2037	9	.
646	2037	10	.
647	2037	11	.
648	2037	12	.
649	2038	1	.
650	2038	2	.
651	2038	3	.
652	2038	4	.
653	2038	5	.
654	2038	6	.
655	2038	7	.
656	2038	8	.
657	2038	9	.
658	2038	10	.
659	2038	11	.
660	2038	12	.

Kentucky Power Company
Residential Customers
Exogenous Variables

The MEANS Procedure

Variable	Label	Mean
		2011.00
YEAR	YEAR	6.5000000
MONTH	MONTH	7.3638289
mfus	Mortgage Interest Rate	142.1925305
L_kpc	Service Area Employment	0.0833333
d1	Binary Variable-January	0.0833333
d2	Binary Variable-February	0.0833333
d3	Binary Variable-March	0.0833333
d4	Binary Variable-April	0.0833333
d5	Binary Variable-May	0.0833333
d6	Binary Variable-June	0.0833333
d7	Binary Variable-July	0.0833333
d8	Binary Variable-August	0.0833333
d9	Binary Variable-September	0.0833333
d10	Binary Variable-October	0.0833333
d11	Binary Variable-November	0.0015152
dnov97	Binary Variable-November 1997	0.0015152
ddec97	Binary Variable-December 1997	0.0015152
djan98	Binary Variable-January 1998	0.0015152
d04on	Binary Variable-2004 On	0.6363636
d1d02on	Binary Variable-January - 2002 On	0.0560606
d2d02on	Binary Variable-February - 2002 On	0.0560606
d3d02on	Binary Variable-March - 2002 On	0.0560606
d4d02on	Binary Variable-April - 2002 On	0.0560606
d5d02on	Binary Variable-May - 2002 On	0.0560606
d6d02on	Binary Variable-June - 2002 On	0.0560606
d7d02on	Binary Variable-July - 2002 On	0.0560606
d8d02on	Binary Variable-August - 2002 On	0.0560606
d9d02on	Binary Variable-September - 2002 On	0.0560606
d10d02on	Binary Variable-October - 2002 On	0.0560606
d11d02on	Binary Variable-November - 2002 On	0.0560606

Kentucky Power Company
Residential Customers
Exogenous Variables

		M	L																					d	d
	Y	O	m	L																				1	1
0	E	N	f	k																			0	0	
b	A	T	u	p	d	d	d	d	d	d	d	d	1	1	9	9	9	o	o	o	o	o	o	o	o
s	R	H	s	c	1	2	3	4	5	6	7	8	9	0	1	7	7	8	n	n	n	n	n	n	n
57	1988	9	10.5033	118.780	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
58	1988	10	10.3933	119.306	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
59	1988	11	10.3933	119.306	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
60	1988	12	10.3933	119.306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	1989	1	10.8033	120.050	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1989	2	10.8033	120.050	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1989	3	10.8033	120.050	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1989	4	10.6733	121.177	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1989	5	10.6733	121.177	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1989	6	10.6733	121.177	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1989	7	10.0000	122.848	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	1989	8	10.0000	122.848	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
69	1989	9	10.0000	122.848	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
70	1989	10	9.8200	124.931	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
71	1989	11	9.8200	124.931	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
72	1989	12	9.8200	124.931	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	1990	1	10.1233	126.993	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	1990	2	10.1233	126.993	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	1990	3	10.1233	126.993	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	1990	4	10.3367	128.627	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	1990	5	10.3367	128.627	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	1990	6	10.3367	128.627	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	1990	7	10.1067	129.460	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	1990	8	10.1067	129.460	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
81	1990	9	10.1067	129.460	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
82	1990	10	9.9500	129.469	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
83	1990	11	9.9500	129.469	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
84	1990	12	9.9500	129.469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

O b s	Y E A R	M O N T H	m f u s	L - k p c															d	d									
					d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	1	1							
					1	2	3	4	5	6	7	8	9	0	1	7	7	8	1	2	3	4	5	6	7	8	9	0	1
					v	c	n	o	o	o	o	o	o	o	o	o	o	o	o	4	2	2	2	2	2	2	2	2	2
281	2007	5	6.36667	148.318	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
282	2007	6	6.36667	148.318	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
283	2007	7	6.55000	148.506	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
284	2007	8	6.55000	148.506	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
285	2007	9	6.55000	148.506	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
286	2007	10	6.23000	148.712	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
287	2007	11	6.23000	148.712	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
288	2007	12	6.23000	148.712	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
289	2008	1	5.88333	148.829	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
290	2008	2	5.88333	148.829	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
291	2008	3	5.88333	148.829	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
292	2008	4	6.09333	148.763	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
293	2008	5	6.09333	148.763	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
294	2008	6	6.09333	148.763	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
295	2008	7	6.13910	148.410	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
296	2008	8	6.13910	148.410	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
297	2008	9	6.13910	148.410	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
298	2008	10	5.70980	147.803	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
299	2008	11	5.70980	147.803	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
300	2008	12	5.70980	147.803	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
301	2009	1	5.88991	147.112	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
302	2009	2	5.88991	147.112	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
303	2009	3	5.88991	147.112	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
304	2009	4	6.56109	146.505	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
305	2009	5	6.56109	146.505	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
306	2009	6	6.56109	146.505	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
307	2009	7	6.84220	146.137	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
308	2009	8	6.84220	146.137	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	Year	Month	M	L	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	d	d	
																												0
309	2009	9	6.84220	146.137	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
310	2009	10	7.24108	146.065	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
311	2009	11	7.24108	146.065	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
312	2009	12	7.24108	146.065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313	2010	1	7.40781	146.236	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	2010	2	7.40781	146.236	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	2010	3	7.40781	146.236	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	2010	4	7.53844	146.583	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	2010	5	7.53844	146.583	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318	2010	6	7.53844	146.583	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	2010	7	7.64002	147.053	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320	2010	8	7.64002	147.053	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321	2010	9	7.64002	147.053	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322	2010	10	7.56026	147.601	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
323	2010	11	7.56026	147.601	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
324	2010	12	7.56026	147.601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325	2011	1	7.38619	148.194	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	2011	2	7.38619	148.194	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	2011	3	7.38619	148.194	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
328	2011	4	7.19029	148.814	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
329	2011	5	7.19029	148.814	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
330	2011	6	7.19029	148.814	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331	2011	7	7.05967	149.450	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332	2011	8	7.05967	149.450	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	2011	9	7.05967	149.450	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334	2011	10	6.97257	150.071	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
335	2011	11	6.97257	150.071	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
336	2011	12	6.97257	150.071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	Year	Month	Rate	Usage	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
337	2012	1	6.94347	150.635	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
338	2012	2	6.94347	150.635	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
339	2012	3	6.94347	150.635	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
340	2012	4	6.93618	151.113	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
341	2012	5	6.93618	151.113	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
342	2012	6	6.93618	151.113	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
343	2012	7	6.94296	151.469	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0
344	2012	8	6.94296	151.469	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
345	2012	9	6.94296	151.469	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
346	2012	10	6.91675	151.702	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
347	2012	11	6.91675	151.702	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
348	2012	12	6.91675	151.702	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
349	2013	1	6.91341	151.836	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
350	2013	2	6.91341	151.836	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
351	2013	3	6.91341	151.836	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
352	2013	4	6.89762	151.909	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
353	2013	5	6.89762	151.909	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
354	2013	6	6.89762	151.909	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
355	2013	7	6.88309	151.950	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0
356	2013	8	6.88309	151.950	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
357	2013	9	6.88309	151.950	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
358	2013	10	6.86121	151.970	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
359	2013	11	6.86121	151.970	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
360	2013	12	6.86121	151.970	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
361	2014	1	6.85398	151.971	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
362	2014	2	6.85398	151.971	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
363	2014	3	6.85398	151.971	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
364	2014	4	6.83942	151.959	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

		M	L														d	d													
	Y	O	m	L														d	d												
	E	N	f	k														n	d												
	A	T	u	p														e	j												
	R	H	s	c														a	d												
					d	d	d	d	d	d	d	d	d	d	1	1	0	0													
					1	2	3	4	5	6	7	8	9	0	1	7	7	8	n												
					1	2	3	4	5	6	7	8	9	0	1	7	7	8	n												
477	2023	9	6.52483	149.730	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	
478	2023	10	6.52113	149.623	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
479	2023	11	6.52113	149.623	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
480	2023	12	6.52113	149.623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
481	2024	1	6.52035	149.514	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
482	2024	2	6.52035	149.514	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	
483	2024	3	6.52035	149.514	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
484	2024	4	6.51988	149.407	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
485	2024	5	6.51988	149.407	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
486	2024	6	6.51988	149.407	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
487	2024	7	6.51905	149.308	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
488	2024	8	6.51905	149.308	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
489	2024	9	6.51905	149.308	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
490	2024	10	6.51878	149.216	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
491	2024	11	6.51878	149.216	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
492	2024	12	6.51878	149.216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
493	2025	1	6.51893	149.125	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
494	2025	2	6.51893	149.125	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
495	2025	3	6.51893	149.125	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
496	2025	4	6.51320	149.042	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
497	2025	5	6.51320	149.042	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
498	2025	6	6.51320	149.042	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
499	2025	7	6.51065	148.953	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
500	2025	8	6.51065	148.953	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
501	2025	9	6.51065	148.953	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
502	2025	10	6.51094	148.861	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
503	2025	11	6.51094	148.861	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
504	2025	12	6.51094	148.861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	Year	Month	M	L	Exogenous Variables																									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
533	2028	5	6.50673	147.830	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
534	2028	6	6.50673	147.830	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
535	2028	7	6.50566	147.730	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
536	2028	8	6.50566	147.730	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
537	2028	9	6.50566	147.730	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
538	2028	10	6.50456	147.632	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
539	2028	11	6.50456	147.632	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
540	2028	12	6.50456	147.632	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
541	2029	1	6.50398	147.540	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
542	2029	2	6.50398	147.540	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
543	2029	3	6.50398	147.540	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
544	2029	4	6.50253	147.453	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
545	2029	5	6.50253	147.453	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
546	2029	6	6.50253	147.453	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
547	2029	7	6.50105	147.370	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
548	2029	8	6.50105	147.370	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
549	2029	9	6.50105	147.370	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
550	2029	10	6.49961	147.293	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
551	2029	11	6.49961	147.293	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
552	2029	12	6.49961	147.293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
553	2030	1	6.49827	147.211	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
554	2030	2	6.49827	147.211	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
555	2030	3	6.49827	147.211	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
556	2030	4	6.49741	147.126	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
557	2030	5	6.49741	147.126	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
558	2030	6	6.49741	147.126	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
559	2030	7	6.49598	147.029	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
560	2030	8	6.49598	147.029	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0

Kentucky Power Company
Residential Customers
Model Estimation

The SYSLIN Procedure
Ordinary Least Squares Estimation

Model cr_kpc
Dependent Variable cr_kpc
Label Residential Customers

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	29	1.356E10	4.6758E8	24503.4	<.0001
Error	267	5094945	19082.19		
Corrected Total	296	1.356E10			

Root MSE 138.13831 R-Square 0.99962
Dependent Mean 137795.401 Adj R-Sq 0.99958
Coeff Var 0.10025

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label
Intercept	1	1603.153	507.8840	3.16	0.0018	Intercept
cr1	1	0.982614	0.006035	162.82	<.0001	Residential Customers, Lagged
mfus	1	-13.0767	9.553457	-1.37	0.1722	Mortgage Interest Rate
L_kpc	1	8.868594	3.804741	2.33	0.0205	Service Area Employment
d1	1	-89.4716	45.50501	-1.97	0.0503	Binary Variable-January

Kentucky Power Company
Residential Customers
Model Estimation

The SYSLIN Procedure
Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label
d2	1	-243.065	44.17243	-5.50	<.0001	Binary Variable-February
d3	1	-305.080	44.18894	-6.90	<.0001	Binary Variable-March
d4	1	-431.000	44.10466	-9.77	<.0001	Binary Variable-April
d5	1	-352.968	44.06867	-8.01	<.0001	Binary Variable-May
d6	1	-273.923	44.05834	-6.22	<.0001	Binary Variable-June
d7	1	-203.260	43.99800	-4.62	<.0001	Binary Variable-July
d8	1	-125.874	43.98834	-2.86	0.0045	Binary Variable-August
d9	1	-171.502	43.98681	-3.90	0.0001	Binary Variable-September
d10	1	-136.566	43.93537	-3.11	0.0021	Binary Variable-October
d11	1	-79.3429	44.66857	-1.78	0.0768	Binary Variable-November
d1d02on	1	75.67815	67.96292	1.11	0.2665	Binary Variable-January - 2002 On
d2d02on	1	-213.420	67.09605	-3.18	0.0016	Binary Variable-February - 2002 On
d3d02on	1	91.12806	67.15366	1.36	0.1759	Binary Variable-March - 2002 On
d4d02on	1	-115.274	67.06355	-1.72	0.0868	Binary Variable-April - 2002 On

Kentucky Power Company
Residential Customers
Model Estimation

The SYSLIN Procedure
Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label
d5d02on	1	-252.440	67.08977	-3.76	0.0002	Binary Variable-May - 2002 On
d6d02on	1	-79.4203	67.17145	-1.18	0.2381	Binary Variable-June - 2002 On
d7d02on	1	-105.697	66.99795	-1.58	0.1158	Binary Variable-July - 2002 On
d8d02on	1	-55.4423	67.03316	-0.83	0.4089	Binary Variable-August - 2002 On
d9d02on	1	-66.3740	67.05538	-0.99	0.3231	Binary Variable-September - 2002 On
d10d02on	1	-116.802	66.93324	-1.75	0.0821	Binary Variable-October - 2002 On
d11d02on	1	-37.9642	70.30249	-0.54	0.5896	Binary Variable-November - 2002 On
dnov97	1	8948.889	142.6862	62.72	<.0001	Binary Variable-November 1997
ddec97	1	-12651.6	154.8685	-81.69	<.0001	Binary Variable-December 1997
djan98	1	3909.499	143.7757	27.19	<.0001	Binary Variable-January 1998
d04on	1	-57.2611	33.40802	-1.71	0.0877	Binary Variable-2004 On

Kentucky Power Company
Residential Customers
Model Estimation

The SYSLIN Procedure
Ordinary Least Squares Estimation

Durbin-Watson	2.437874
Number of Observations	297
First-Order Autocorrelation	-0.21993

Kentucky Power Company
Residential Customers
Model Residuals

time		Residual Values Sum
1984.0833333	*****	100.7474
1984.1666667	**	-42.8301
1984.2500000	***	-69.6555
1984.3333333	*****	98.6881
1984.4166667	*****	-310.6180
1984.5000000	***	-55.0113
1984.5833333	*****	100.5331
1984.6666667	*****	221.1424
1984.7500000	*	24.4222
1984.8333333	*	27.8421
1984.9166667	*****	92.1502
1985.0000000	*	11.9085
1985.0833333	*****	194.7013
1985.1666667	*****	-368.6334
1985.2500000	****	-80.8411
1985.3333333	*	23.8154
1985.4166667	*	-21.2904
1985.5000000	****	-71.7752
1985.5833333	**	-49.1786
1985.6666667	*****	135.1705
1985.7500000	****	75.6943
1985.8333333	***	-56.9121
1985.9166667	*****	176.9878
1986.0000000	**	42.0923
1986.0833333	*****	200.4937
1986.1666667	*****	-181.6671
1986.2500000	*****	-182.8756
1986.3333333	*****	-163.9924
1986.4166667	***	-51.3321
1986.5000000	*	-19.8511
1986.5833333	*	-29.3330
1986.6666667	*	-23.6362
1986.7500000	*****	-215.9833
1986.8333333	**	-35.4579

Kentucky Power Company
Residential Customers
Model Residuals

1986.9166667	**	49.1027
1987.0000000	****	89.8833
1987.0833333	*	29.4322
1987.1666667	*****	-149.4061
1987.2500000	**	-44.5665
1987.3333333	*****	126.8376
1987.4166667	*****	-172.3731
1987.5000000		-7.8158
1987.5833333	***	-52.0195
1987.6666667	*****	-105.6530
1987.7500000	**	-39.8274
1987.8333333	*	21.6884
1987.9166667	**	34.1183
1988.0000000	*	26.1885
1988.0833333	**	-39.4449
1988.1666667	**	-48.5350
1988.2500000		1.8886
1988.3333333	****	76.2316
1988.4166667	**	45.2559
1988.5000000	*****	150.1347
1988.5833333	*	-26.2698
1988.6666667	*****	-126.4513
1988.7500000	*****	156.1270
1988.8333333	*****	-108.8452
1988.9166667	*	20.3593
1989.0000000		-6.2595
1989.0833333	*	27.3942
1989.1666667	****	82.3299
1989.2500000	*	28.3379
1989.3333333	*	20.1503
1989.4166667	*	-11.7990
1989.5000000	*	-16.1563
1989.5833333	**	-46.0471
1989.6666667	*****	-127.1243
1989.7500000	*	-22.8351
1989.8333333	*	17.7760
1989.9166667	**	-33.0813

Kentucky Power Company
Residential Customers
Model Residuals

1990.000000	*****	-138.0272
1990.0833333	***	-59.7469
1990.1666667		8.6150
1990.2500000	**	47.2861
1990.3333333	****	72.3851
1990.4166667		4.2787
1990.5000000	*****	-115.6672
1990.5833333	****	-76.6359
1990.6666667	*****	-90.5740
1990.7500000	**	32.7177
1990.8333333	****	-84.3846
1990.9166667	*****	-96.7197
1991.0000000	**	-34.3945
1991.0833333	***	-56.1843
1991.1666667	***	-65.6659
1991.2500000	*	-11.7919
1991.3333333	*	14.1248
1991.4166667	*****	101.8709
1991.5000000	**	42.1640
1991.5833333	*	11.6815
1991.6666667	*****	-118.0222
1991.7500000	*	21.8980
1991.8333333		-2.5172
1991.9166667	*****	-138.5483
1992.0000000	*****	-96.6411
1992.0833333	***	55.4390
1992.1666667	***	53.8699
1992.2500000	*****	119.1231
1992.3333333		4.4043
1992.4166667	***	65.0287
1992.5000000	*****	124.2570
1992.5833333	****	-77.5912
1992.6666667		-9.6684
1992.7500000	*****	-91.5310
1992.8333333	*****	133.9848
1992.9166667	***	-61.7340
1993.0000000	*	10.3655

Kentucky Power Company
Residential Customers
Model Residuals

1993.0833333		***	54.1494
1993.1666667		*****	147.3716
1993.2500000		****	81.4323
1993.3333333	****		-83.2253
1993.4166667		**	35.6083
1993.5000000		*	27.0179
1993.5833333		*****	146.1528
1993.6666667		*****	110.6746
1993.7500000		*	20.5313
1993.8333333		****	79.7336
1993.9166667		*	-19.2196
1994.0000000		*	25.2070
1994.0833333			-0.0612
1994.1666667	*****		-127.0908
1994.2500000		***	56.2686
1994.3333333		*****	95.7938
1994.4166667		*****	118.3744
1994.5000000		*****	101.8806
1994.5833333		*	13.8675
1994.6666667		*****	95.6249
1994.7500000		*****	117.7639
1994.8333333		*****	109.1659
1994.9166667		*****	131.2127
1995.0000000	****		-74.9365
1995.0833333		*****	298.6045
1995.1666667			-9.6438
1995.2500000		***	68.1011
1995.3333333		*****	114.6959
1995.4166667		*****	115.4678
1995.5000000		*	19.9092
1995.5833333		*****	92.3140
1995.6666667		*****	129.3058
1995.7500000			1.9863
1995.8333333		*	-22.7155
1995.9166667		*****	94.9842
1996.0000000		*****	209.3928
1996.0833333	*****		-549.2849

Kentucky Power Company
Residential Customers
Model Residuals

1996.1666667		*****	657.4798
1996.2500000	*****		-115.8550
1996.3333333		*	25.8800
1996.4166667		*****	128.5134
1996.5000000			-2.2730
1996.5833333	***		-58.8940
1996.6666667		*****	194.8466
1996.7500000	**		-32.9835
1996.8333333		*****	109.2020
1996.9166667		***	50.7098
1997.0000000		*	26.5261
1997.0833333		*	13.2320
1997.1666667	*****		-200.5973
1997.2500000		*	-24.4819
1997.3333333		****	82.8701
1997.4166667		*****	153.4945
1997.5000000		*	-20.9519
1997.5833333		*****	159.3402
1997.6666667		*	23.1144
1997.7500000	***		-64.0707
1997.8333333			0.0000
1997.9166667			0.0000
1998.0000000			0.0000
1998.0833333	*****		-291.6152
1998.1666667		*****	177.7221
1998.2500000		*****	312.8741
1998.3333333	*****		-410.4279
1998.4166667		**	-30.0099
1998.5000000		***	54.2406
1998.5833333		**	44.2887
1998.6666667	*****		-258.5193
1998.7500000		**	36.2699
1998.8333333		**	47.3157
1998.9166667	*****		-128.6285
1999.0000000		**	-37.5500
1999.0833333	***		-59.3657
1999.1666667		*****	200.1443

Kentucky Power Company
Residential Customers
Model Residuals

1999.2500000		*	23.4707
1999.3333333	*****		-193.0298
1999.4166667		**	35.0915
1999.5000000	***		-56.5217
1999.5833333	**		-42.8382
1999.6666667	**		-41.5586
1999.7500000		*	19.2364
1999.8333333		*	-24.4828
1999.9166667	****		-80.1309
2000.0000000		*****	134.9741
2000.0833333		***	63.6969
2000.1666667		*	-10.1588
2000.2500000	*****		-217.0515
2000.3333333		****	71.9449
2000.4166667	*****		-111.5698
2000.5000000	***		-67.2138
2000.5833333			0.3133
2000.6666667		*	11.3752
2000.7500000			-4.9141
2000.8333333	****		-71.8593
2000.9166667		*****	166.8667
2001.0000000	*****		-188.7293
2001.0833333		*	17.8124
2001.1666667	*****		-123.3041
2001.2500000			8.3365
2001.3333333		*	22.8533
2001.4166667	*****		-93.9917
2001.5000000	****		-86.3669
2001.5833333	*****		-109.6834
2001.6666667		*	-20.0471
2001.7500000		**	-34.5018
2001.8333333	*****		-139.5340
2001.9166667	***		-60.5555
2002.0000000		***	53.2708
2002.0833333		**	31.6829
2002.1666667	*****		-137.3025
2002.2500000		*****	156.5863

Kentucky Power Company
Residential Customers
Model Residuals

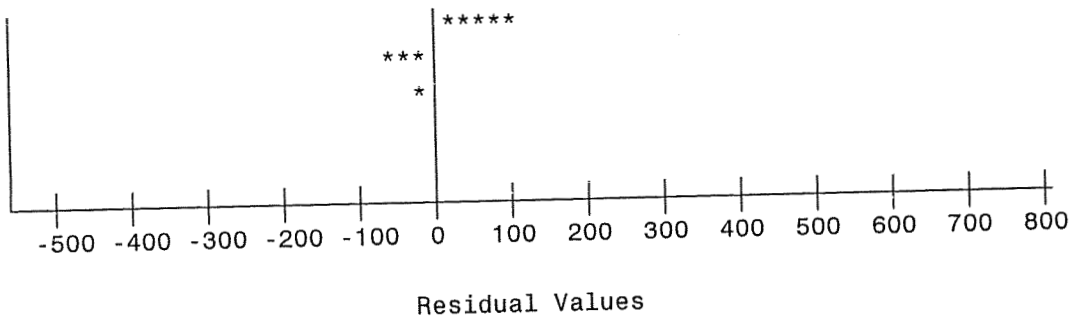
2002.3333333	***	-61.0010
2002.4166667	*****	127.4316
2002.5000000		-2.6684
2002.5833333	***	-51.4313
2002.6666667	***	-66.6199
2002.7500000		-9.0816
2002.8333333		5.6056
2002.9166667	****	-75.3460
2003.0000000	****	-78.3534
2003.0833333	*****	105.9375
2003.1666667	*****	-230.5526
2003.2500000	**	-40.4031
2003.3333333	*****	133.7759
2003.4166667	*	-29.1579
2003.5000000	**	-40.6555
2003.5833333	**	37.8862
2003.6666667	***	58.2275
2003.7500000	***	-50.3822
2003.8333333	*****	-121.5295
2003.9166667	****	86.2065
2004.0000000	*	21.6160
2004.0833333	*	-27.4150
2004.1666667	****	-81.2954
2004.2500000	*****	193.2733
2004.3333333	***	58.3383
2004.4166667	*****	-130.1338
2004.5000000	*	-23.6004
2004.5833333	**	-43.6325
2004.6666667		-0.5688
2004.7500000	****	70.5577
2004.8333333	***	58.8534
2004.9166667		7.0409
2005.0000000	**	33.5928
2005.0833333	*****	-280.8992
2005.1666667	*****	797.1346
2005.2500000		-9.9352
2005.3333333	*****	-305.0866

Kentucky Power Company
Residential Customers
Model Residuals

2005.416667		*****	124.4951
2005.500000	**		-30.6554
2005.583333	*****		-134.4788
2005.666667	****		-75.6669
2005.750000	*		14.9987
2005.833333	**		43.4947
2005.916667	**		-44.4048
2006.000000	***		-60.2963
2006.083333	*****		-103.3183
2006.166667		*****	431.9319
2006.250000	*****		-158.7101
2006.333333	**		43.5480
2006.416667	**		-49.7677
2006.500000	**		39.0115
2006.583333	**		43.3356
2006.666667		*	-6.8447
2006.750000		*	27.7199
2006.833333		****	80.4246
2006.916667	*****		-255.8490
2007.000000			9.1927
2007.083333		*****	223.4225
2007.166667	*****		-395.6246
2007.250000	**		-34.5238
2007.333333			-3.8664
2007.416667	*		-21.8080
2007.500000	**		-46.1681
2007.583333		*****	205.8520
2007.666667		*****	111.6970
2007.750000	***		-55.2494
2007.833333	***		-66.8488
2007.916667		****	84.4784
2008.000000		*	20.9773
2008.083333		***	50.5896
2008.166667	*****		-384.2914
2008.250000	*****		-106.2875
2008.333333		*****	134.2919
2008.416667	*		-21.0592

Kentucky Power Company
Residential Customers
Model Residuals

2008.5000000
2008.5833333
2008.6666667
2008.7500000



104.7363
-57.5313
-20.2242
1.4370

Kentucky Power Company
Residential Customers
Model Simulation

The SIMLIN Procedure

Inverse Coefficient Matrix for Endogenous Variables

Variable	cr_kpc
cr_kpc	1.0000

Reduced Form for Lagged Endogenous Variables

Variable	cr1
cr_kpc	0.9826

Reduced Form for Exogenous Variables

Page 348 of 768

Variable	mfus	L_kpc	d1	d2	d3	d4	d5	d6	d7	d8
cr_kpc	-13.0767	8.8686	-89.4716	-243.0654	-305.0796	-431.0001	-352.9685	-273.9232	-203.2598	-125.8738

Reduced Form for Exogenous Variables

Variable	d9	d10	d11	d1d02on	d2d02on	d3d02on	d4d02on	d5d02on	d6d02on	d7d02on
cr_kpc	-171.5016	-136.5657	-79.3429	75.6782	-213.4200	91.1281	-115.2744	-252.4401	-79.4203	-105.6974

Reduced Form for Exogenous Variables

Variable	d8d02on	d9d02on	d10d02on	d11d02on	dnov97	ddec97	djan98	d04on	Intercept
cr_kpc	-55.4423	-66.3740	-116.8018	-37.9642	8949	-12652	3909	-57.2611	1603

Kentucky Power Company
Residential Customers
Model Simulation

The SIMLIN Procedure

Fit Statistics

Variable	N	Mean Error	Mean Pct Error	Mean Abs Error	Mean Abs Pct Error	RMS Error	RMS Pct Error	Label
cr_kpc	297	57.3585	0.0337	525.8377	0.37988	685.3914	0.4914	Residential Customers

Kentucky Power Company
Residential Customers
Actual and Forecast

YEAR	Residential Customers	Growth Rate
1984	126300.08	.
1985	127027.08	0.6
1986	127675.17	0.5
1987	128135.08	0.4
1988	128972.75	0.7
1989	130028.33	0.8
1990	131085.00	0.8
1991	132294.42	0.9
1992	133839.83	1.2
1993	135697.00	1.4
1994	137434.58	1.3
1995	139392.33	1.4
1996	140844.00	1.0
1997	142197.25	1.0
1998	142597.83	0.3
1999	143173.67	0.4
2000	143652.42	0.3
2001	144079.08	0.3
2002	144399.50	0.2
2003	144487.17	0.1
2004	144433.58	0.0
2005	144512.67	0.1
2006	144446.50	0.0
2007	144206.58	-0.2
2008	144141.34	0.0
2009	144233.31	0.1
2010	143884.19	-0.2
2011	143742.65	-0.1
2012	143907.09	0.1
2013	144179.37	0.2
2014	144431.33	0.2
2015	144634.22	0.1
2016	144791.57	0.1
2017	144911.61	0.1

Kentucky Power Company
Residential Customers
Actual and Forecast

YEAR	Residential Customers	Growth Rate
2018	145000.14	0.1
2019	145054.36	0.0
2020	145076.54	0.0
2021	145070.79	0.0
2022	145036.05	0.0
2023	144976.97	0.0
2024	144892.25	-0.1
2025	144786.49	-0.1
2026	144666.32	-0.1
2027	144530.33	-0.1
2028	144379.33	-0.1
2029	144219.52	-0.1
2030	144057.53	-0.1
2031	143888.61	-0.1
2032	143707.64	-0.1
2033	143518.50	-0.1
2034	143332.31	-0.1
2035	143173.85	-0.1
2036	143064.23	-0.1
2037	143005.53	0.0
2038	142989.82	0.0

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
1990	1	1,531,103.55	151.16	0.00	749.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	1,036,048.16	58.20	0.00	662.05	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1990	3	1,066,709.46	58.29	15.14	643.82	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1990	4	938,555.52	41.18	19.83	648.35	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1990	5	864,047.99	11.90	42.97	630.47	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1990	6	944,240.33	0.36	105.50	643.71	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1990	7	1,218,721.12	0.00	285.82	626.37	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1990	8	1,095,702.72	0.00	283.88	604.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	952,790.84	0.10	285.79	632.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	916,695.84	2.51	84.15	634.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	1,167,749.73	24.68	9.86	644.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	1,372,018.39	47.99	8.31	723.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	1,653,367.77	91.25	0.00	755.57	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	1,380,287.02	98.33	0.00	667.30	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1991	3	1,333,638.88	74.45	3.18	649.08	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1991	4	981,089.44	34.29	25.07	654.46	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1991	5	1,006,513.89	6.58	76.30	636.54	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1991	6	1,039,575.24	0.00	290.38	649.65	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1991	7	1,264,845.61	0.00	380.49	632.83	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1991	8	1,181,647.22	0.00	375.95	610.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	924,892.59	0.00	327.85	639.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	911,899.95	5.93	119.17	641.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	1,148,934.57	34.41	35.89	651.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	1,512,378.75	69.08	3.82	732.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	1,633,224.25	106.70	0.00	765.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	1,393,872.82	111.23	0.00	675.79	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1992	3	1,277,190.77	60.97	0.69	657.12	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1992	4	1,050,852.66	62.17	11.69	662.24	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1992	5	875,731.57	15.22	52.78	644.23	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1992	6	845,207.61	2.28	86.82	657.55	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1992	7	1,249,874.84	0.01	231.64	639.63	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1992	8	1,098,373.38	0.00	263.28	617.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	947,461.43	0.00	208.30	646.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	959,243.28	4.14	65.58	647.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	1,129,628.80	25.83	3.01	657.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	1,630,166.85	82.99	0.00	738.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
1993	1	1,549,207.57	105.68	0.00	769.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	1,528,509.52	101.59	0.00	679.85	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1993	3	1,524,051.89	120.61	0.00	661.03	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1993	4	1,029,991.58	56.27	0.80	665.46	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1993	5	782,562.71	10.68	42.86	647.70	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1993	6	1,027,776.55	1.04	109.77	661.30	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1993	7	1,479,529.53	0.00	351.71	643.48	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1993	8	1,212,191.96	0.00	359.36	620.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	858,663.53	0.00	328.55	649.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	807,035.32	4.84	58.82	651.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	1,195,815.05	34.37	8.60	660.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	1,535,008.99	67.73	4.36	742.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	2,014,657.81	173.94	0.00	774.78	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	1,549,662.69	166.06	0.00	684.45	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1994	3	1,391,874.73	92.71	0.10	666.31	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1994	4	974,338.37	50.03	6.42	671.73	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1994	5	840,995.23	6.53	46.91	653.48	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1994	6	1,093,105.71	0.86	137.85	666.97	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1994	7	1,301,921.84	0.00	382.11	648.83	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1994	8	1,136,390.09	0.00	302.80	625.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	817,764.44	0.00	181.43	655.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	931,766.28	2.10	43.58	657.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	1,147,880.75	15.56	4.45	666.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	1,533,024.62	58.44	1.96	748.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	1	1,844,397.52	125.63	0.00	780.58	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	1,596,350.33	150.80	0.00	688.83	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1995	3	1,254,741.61	101.70	0.00	670.40	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1995	4	968,155.39	38.60	6.57	675.12	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1995	5	905,534.41	13.71	26.45	656.78	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1995	6	960,439.59	0.91	123.72	670.44	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1995	7	1,379,927.03	0.00	289.31	652.20	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1995	8	1,533,806.99	0.00	433.69	628.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	915,975.41	0.11	354.18	658.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	895,857.46	2.90	64.29	660.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	1,498,882.47	43.19	5.89	670.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	1,967,901.15	116.03	0.44	752.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
1996	1	2,076,798.62	188.45	0.00	783.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	1,961,229.68	167.83	0.00	694.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1996	3	1,540,773.59	113.83	0.00	673.68	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1996	4	1,352,304.48	80.80	7.56	679.11	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1996	5	960,242.18	17.56	75.09	661.05	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1996	6	988,971.15	2.51	167.80	674.84	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1996	7	1,190,706.25	0.00	317.77	656.87	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1996	8	1,142,380.69	0.00	280.71	633.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	9	1,112,761.65	0.00	251.85	663.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	10	879,169.43	5.36	45.15	666.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	1,080,485.23	43.17	6.32	675.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	12	1,639,880.27	118.91	1.65	759.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	1,872,862.11	135.62	0.88	792.32	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	1,697,515.46	146.49	0.65	700.17	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1997	3	1,310,969.53	79.69	2.75	682.14	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1997	4	1,181,396.42	52.47	6.47	688.51	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1997	5	971,922.64	23.95	7.38	670.09	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1997	6	898,196.54	3.76	56.53	683.99	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1997	7	1,173,407.88	0.00	262.84	666.12	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1997	8	1,213,288.24	0.00	311.01	642.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	1,055,187.09	0.00	174.93	673.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	10	861,173.07	3.85	53.81	675.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	11	1,110,993.06	51.84	15.09	662.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	12	1,748,100.83	113.74	0.00	782.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	1	1,816,033.32	125.27	0.00	803.44	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	2	1,553,672.26	118.73	0.00	710.77	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1998	3	1,393,328.82	93.85	0.03	691.35	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1998	4	1,159,163.82	56.35	44.56	696.09	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1998	5	927,021.09	8.36	24.74	678.70	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1998	6	1,003,710.30	0.19	147.80	693.16	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1998	7	1,243,692.58	0.08	312.95	673.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	8	1,250,202.54	0.00	310.33	649.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	9	1,219,361.56	0.00	312.38	682.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	10	994,519.24	1.56	187.17	683.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	11	1,079,235.98	31.18	13.69	693.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	12	1,459,519.91	65.66	3.19	779.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
1999	1	1,996,281.05	173.25	1.40	812.12	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	1,466,155.15	108.01	0.00	717.71	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1999	3	1,560,206.99	127.28	0.00	698.05	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1999	4	1,223,541.45	67.77	10.14	703.05	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1999	5	866,545.20	8.11	34.10	684.83	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1999	6	977,527.86	0.00	164.93	699.16	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1999	7	1,267,808.37	0.00	378.92	680.06	0.00	0.00	0.00	0.00	0.00	0.00	1.00
1999	8	1,387,451.37	0.00	452.09	656.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	9	1,126,778.70	0.03	238.68	688.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	10	900,664.95	3.67	48.57	689.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	11	1,048,740.56	30.38	2.69	699.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	12	1,501,399.04	81.66	0.00	786.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	1	1,922,441.10	154.20	0.00	819.26	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	2	1,921,954.65	182.65	0.00	723.79	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2000	3	1,315,910.19	70.04	2.12	704.61	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2000	4	1,075,373.01	39.84	5.07	710.95	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2000	5	998,023.79	14.74	54.81	691.88	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2000	6	1,048,146.69	0.03	159.24	706.72	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2000	7	1,220,915.63	0.00	287.13	687.46	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2000	8	1,185,966.96	0.00	242.19	662.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	9	1,146,883.66	0.17	218.04	695.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	10	981,004.26	9.32	73.72	696.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	11	1,034,520.18	31.72	10.15	707.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	12	1,842,378.62	154.02	0.00	793.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	1	2,442,094.26	238.52	0.00	827.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	2	1,814,615.61	165.15	0.00	730.91	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2001	3	1,520,046.06	114.05	0.00	711.91	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2001	4	1,325,045.26	80.52	40.93	717.51	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2001	5	979,761.38	12.23	90.45	698.40	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2001	6	977,736.68	0.75	101.04	713.43	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2001	7	1,193,277.62	0.00	249.04	694.54	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2001	8	1,290,724.57	0.00	348.91	669.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	1,220,538.37	0.04	281.20	702.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	10	976,700.74	7.18	67.35	704.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	1,151,266.08	34.38	19.76	715.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	1,414,092.32	49.10	0.69	803.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2002	1	2,073,169.68	171.54	0.00	840.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	1,672,431.98	126.53	0.00	743.59	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2002	3	1,604,873.50	111.01	1.23	724.05	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2002	4	1,295,819.83	61.11	19.27	729.85	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2002	5	946,106.02	16.12	54.47	711.39	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2002	6	1,103,276.44	9.65	148.72	726.31	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2002	7	1,356,212.00	0.00	336.98	706.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	1,425,290.54	0.00	411.49	681.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	9	1,301,868.52	0.00	376.76	715.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	10	1,006,367.08	3.49	148.99	716.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	1,119,831.95	42.58	14.68	727.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	1,840,687.07	139.88	2.13	816.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	2,194,397.73	172.38	0.00	850.19	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	2,098,001.26	215.36	0.00	751.55	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2003	3	1,707,984.85	143.35	0.00	732.06	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2003	4	1,143,625.00	39.02	16.50	738.64	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2003	5	934,722.03	8.37	40.76	719.35	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2003	6	947,952.59	0.00	57.65	734.78	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2003	7	1,211,800.50	0.00	240.31	715.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	8	1,243,866.91	0.00	272.77	683.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	1,260,932.39	0.00	274.00	727.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	10	967,079.43	9.80	38.95	726.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	1,060,485.72	26.72	9.05	732.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	1,727,644.43	102.99	1.13	822.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	1	2,228,905.32	173.01	0.92	859.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	2,116,278.74	199.10	0.27	759.58	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2004	3	1,593,277.53	114.10	2.44	740.26	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2004	4	1,292,407.89	65.93	14.13	758.50	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2004	5	1,010,218.99	15.84	76.26	724.16	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2004	6	1,153,825.21	1.15	220.04	748.11	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2004	7	1,290,174.06	0.00	277.37	725.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	8	1,207,890.21	0.00	261.53	695.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	9	1,160,797.78	0.00	235.17	722.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	10	977,278.14	2.71	69.45	735.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	11	1,000,907.94	17.16	13.60	739.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	12	1,636,977.56	88.31	2.21	842.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2005	1	2,070,072.95	152.56	0.00	864.38	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	2	1,949,462.58	164.34	0.00	767.23	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2005	3	1,771,887.80	139.50	0.00	753.20	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2005	4	1,308,930.63	67.33	6.32	767.07	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2005	5	1,021,337.50	18.76	22.43	727.30	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2005	6	1,069,231.42	2.67	136.92	747.07	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	7	1,333,320.85	0.00	384.54	725.33	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2005	8	1,460,080.86	0.00	480.68	712.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	9	1,336,065.75	0.00	370.37	738.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	10	1,033,743.95	1.60	165.18	732.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	11	1,120,136.25	40.59	10.48	755.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	12	1,900,439.24	148.98	1.67	834.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	1	2,207,723.46	153.46	0.00	872.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	2	1,804,836.41	116.64	0.00	770.48	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2006	3	1,626,827.48	128.28	1.38	738.95	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2006	4	1,262,415.62	66.89	16.70	727.15	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2006	5	940,154.58	5.70	29.22	743.98	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2006	6	1,057,778.07	1.12	112.92	746.35	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	7	1,271,276.79	0.00	276.82	728.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2006	8	1,424,173.58	0.00	418.57	700.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	9	1,255,081.86	0.27	278.05	741.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	10	971,237.94	10.83	38.61	747.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	11	1,232,087.45	58.15	2.59	745.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	12	1,774,977.72	100.31	2.97	833.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	1	1,894,406.86	110.99	0.34	866.72	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	2	2,214,653.08	198.69	0.00	762.83	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2007	3	1,845,838.37	166.85	2.28	750.07	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2007	4	1,270,902.88	60.92	31.42	777.38	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2007	5	1,045,100.11	22.33	52.99	742.80	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2007	6	1,145,911.91	0.93	190.32	741.27	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	7	1,271,357.53	0.00	304.45	717.04	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2007	8	1,344,388.71	0.00	351.48	707.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	9	1,445,614.07	0.00	399.08	738.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	10	1,068,750.06	1.85	180.69	737.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	11	1,140,305.73	36.75	31.09	766.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	12	1,690,170.52	112.07	0.00	838.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2008	1	2,114,912.30	156.04	0.00	866.43	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	2	2,006,611.40	169.78	0.00	764.10	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2008	3	1,805,065.06	144.50	0.00	751.65	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2008	4	1,341,179.22	68.16	1.51	772.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2008	5	961,256.32	14.45	18.81	724.84	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2008	6	1,065,972.95	1.04	117.27	746.76	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2008	7	1,245,205.92	0.00	240.78	724.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	8	1,302,137.68	0.00	286.31	713.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	9	1,237,861.17	0.00	270.06	735.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	10	992,899.48	2.41	102.37	734.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	11		39.32	12.15	746.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	12		111.63	1.91	837.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	1		181.15	0.41	861.27	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	2		176.87	0.05	761.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2009	3		127.13	1.23	741.62	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2009	4		65.71	12.76	748.08	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2009	5		16.53	42.58	728.90	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2009	6		1.84	136.32	744.52	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2009	7		0.01	286.65	723.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	8		0.00	334.46	696.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	9		0.07	271.17	731.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	10		6.46	86.04	731.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	11		39.17	12.00	741.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	12		111.22	1.89	832.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	1		180.88	0.41	850.43	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	2		176.69	0.05	752.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2010	3		127.08	1.22	733.41	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2010	4		65.83	12.67	741.02	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2010	5		16.56	42.29	722.53	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2010	6		1.85	135.39	738.65	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2010	7		0.01	285.12	718.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	8		0.00	332.74	691.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	9		0.07	269.83	725.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	10		6.49	85.70	725.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	11		39.35	11.95	735.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	12		111.75	1.88	824.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2011	1		181.85	0.41	843.68	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	2		177.70	0.05	746.71	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2011	3		127.65	1.21	727.35	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2011	4		66.10	12.63	734.99	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2011	5		16.64	42.16	717.50	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2011	6		1.86	135.00	734.23	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2011	7		0.01	284.46	714.80	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2011	8		0.00	332.03	688.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	9		0.07	269.25	721.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	10		6.53	85.54	721.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	11		39.58	11.93	729.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	12		112.40	1.88	818.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	1		182.92	0.41	837.73	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	2		178.71	0.05	741.60	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2012	3		128.36	1.21	722.53	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2012	4		66.46	12.61	730.40	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2012	5		16.73	42.09	713.44	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2012	6		1.87	134.77	730.62	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2012	7		0.01	283.91	711.36	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2012	8		0.00	331.36	684.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	9		0.07	268.69	717.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	10		6.55	85.34	716.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	11		39.75	11.90	724.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	12		112.89	1.87	811.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	1		183.65	0.40	832.73	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	2		179.38	0.04	737.26	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2013	3		128.81	1.21	718.40	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2013	4		66.65	12.57	726.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2013	5		16.77	41.97	709.69	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2013	6		1.87	134.36	727.15	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2013	7		0.01	282.91	707.96	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2013	8		0.00	330.14	681.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	9		0.07	267.66	713.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	10		6.56	84.98	711.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	11		39.79	11.85	719.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	12		112.98	1.87	805.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2014	1		183.77	0.40	826.14	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	2		179.51	0.04	731.66	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2014	3		128.90	1.21	713.20	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2014	4		66.70	12.53	721.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2014	5		16.78	41.83	705.27	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2014	6		1.87	133.90	723.18	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2014	7		0.01	281.93	704.28	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2014	8		0.00	329.02	677.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	9		0.07	266.76	709.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	10		6.57	84.69	707.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	11		39.83	11.81	714.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	12		113.08	1.86	799.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	1		183.92	0.40	822.22	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	2		179.66	0.04	728.38	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2015	3		129.02	1.20	710.19	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2015	4		66.75	12.50	718.45	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2015	5		16.80	41.73	702.84	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2015	6		1.87	133.61	721.09	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2015	7		0.01	281.30	702.39	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2015	8		0.00	328.29	675.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	9		0.07	266.18	706.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	10		6.57	84.51	704.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	11		39.86	11.78	711.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	12		113.18	1.86	795.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	1		184.09	0.40	819.97	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	2		179.84	0.04	726.56	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2016	3		129.15	1.20	708.59	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2016	4		66.83	12.49	717.09	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2016	5		16.82	41.70	701.80	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2016	6		1.88	133.52	720.37	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2016	7		0.01	281.15	701.90	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2016	8		0.00	328.13	674.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	9		0.07	266.06	706.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	10		6.58	84.48	703.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	11		39.93	11.78	709.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	12		113.37	1.86	794.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2017	1		184.30	0.40	817.54	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	2		180.05	0.04	724.58	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2017	3		129.31	1.20	706.86	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2017	4		66.91	12.50	715.58	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2017	5		16.84	41.73	700.64	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2017	6		1.88	133.62	719.55	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2017	7		0.01	281.36	701.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2017	8		0.00	328.39	674.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	9		0.07	266.29	705.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	10		6.59	84.55	702.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	11		39.99	11.79	708.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	12		113.55	1.86	792.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	1		184.62	0.40	816.02	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	2		180.37	0.04	723.40	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2018	3		129.54	1.21	705.87	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2018	4		67.03	12.52	714.79	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2018	5		16.87	41.82	700.15	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2018	6		1.88	133.89	719.41	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2018	7		0.01	281.91	701.28	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2018	8		0.00	329.05	674.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	9		0.07	266.83	704.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	10		6.61	84.72	701.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	11		40.06	11.81	707.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	12		113.77	1.86	791.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	1		184.99	0.40	815.16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	2		180.74	0.04	722.81	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2019	3		129.81	1.21	705.47	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2019	4		67.17	12.56	714.61	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2019	5		16.91	41.94	700.27	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2019	6		1.89	134.29	719.88	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2019	7		0.01	282.76	701.92	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2019	8		0.00	330.04	674.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	9		0.07	267.63	705.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	10		6.62	84.97	701.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	11		40.15	11.85	707.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	12		114.03	1.87	790.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2020	1		185.46	0.41	815.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	2		181.20	0.05	722.89	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2020	3		130.15	1.21	705.71	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2020	4		67.35	12.59	715.08	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2020	5		16.95	42.05	701.01	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2020	6		1.89	134.64	720.97	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2020	7		0.01	283.50	703.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2020	8		0.00	330.91	675.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	9		0.07	268.34	706.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	10		6.64	85.20	702.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	11		40.26	11.88	707.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	12		114.33	1.87	790.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	1		186.02	0.41	816.72	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	2		181.76	0.05	724.47	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2021	3		130.55	1.22	707.37	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2021	4		67.56	12.64	716.93	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2021	5		17.00	42.21	703.01	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2021	6		1.90	135.17	723.24	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2021	7		0.01	284.63	705.53	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2021	8		0.00	332.24	678.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	9		0.07	269.42	708.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	10		6.66	85.55	704.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	11		40.40	11.93	709.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	12		114.73	1.88	792.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	1		186.66	0.41	819.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	2		182.38	0.05	727.30	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2022	3		131.00	1.22	710.23	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2022	4		67.79	12.71	719.99	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2022	5		17.06	42.43	706.15	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2022	6		1.90	135.87	726.63	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2022	7		0.01	286.11	708.97	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2022	8		0.00	333.96	681.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	9		0.07	270.83	711.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	10		6.68	86.00	707.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	11		40.55	11.99	712.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	12		115.15	1.89	795.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2023	1		187.30	0.41	823.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	2		183.01	0.05	730.73	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2023	3		131.45	1.23	713.66	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2023	4		68.02	12.78	723.56	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2023	5		17.12	42.67	709.77	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2023	6		1.91	136.65	730.49	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2023	7		0.01	287.74	712.83	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2023	8		0.00	335.88	685.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	9		0.07	272.39	715.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	10		6.71	86.49	711.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	11		40.69	12.06	715.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	12		115.55	1.90	799.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	1		187.93	0.41	827.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	2		183.62	0.05	734.71	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2024	3		131.89	1.24	717.62	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2024	4		68.25	12.86	727.70	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2024	5		17.18	42.94	713.94	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2024	6		1.92	137.51	734.91	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2024	7		0.01	289.55	717.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2024	8		0.00	337.99	689.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	9		0.07	274.10	719.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	10		6.73	87.03	715.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	11		40.82	12.13	719.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	12		115.94	1.91	804.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	1		188.57	0.42	832.35	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	2		184.25	0.05	738.65	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2025	3		132.34	1.25	721.54	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2025	4		68.48	12.95	731.79	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2025	5		17.24	43.23	718.06	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2025	6		1.92	138.43	739.25	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2025	7		0.01	291.48	721.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2025	8		0.00	340.23	693.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	9		0.07	275.91	724.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	10		6.75	87.60	719.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	11		40.95	12.21	723.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	12		116.31	1.92	808.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2026	1		189.16	0.42	837.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	2		184.82	0.05	742.91	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2026	3		132.76	1.25	725.77	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2026	4		68.69	13.03	736.16	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2026	5		17.29	43.52	722.44	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2026	6		1.93	139.36	743.88	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2026	7		0.01	293.41	726.21	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2026	8		0.00	342.49	698.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	9		0.07	277.74	728.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	10		6.77	88.18	723.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	11		41.07	12.29	728.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	12		116.64	1.94	812.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	1		189.72	0.42	841.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	2		185.37	0.05	747.25	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2027	3		133.15	1.26	730.09	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2027	4		68.89	13.12	740.66	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2027	5		17.34	43.82	726.97	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2027	6		1.93	140.32	748.66	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2027	7		0.01	295.45	731.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2027	8		0.00	344.87	702.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	9		0.07	279.67	733.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	10		6.79	88.79	728.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	11		41.20	12.38	732.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	12		116.99	1.95	817.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	1		190.28	0.43	847.11	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	2		185.92	0.05	751.96	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2028	3		133.55	1.27	734.77	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2028	4		69.11	13.22	745.55	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2028	5		17.39	44.14	731.88	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2028	6		1.94	141.33	753.85	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2028	7		0.01	297.57	736.20	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2028	8		0.00	347.35	707.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	9		0.07	281.69	738.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	10		6.81	89.44	733.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	11		41.33	12.47	737.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	12		117.38	1.96	822.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2029	1		190.92	0.43	852.22	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	2		186.56	0.05	756.58	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2029	3		134.01	1.28	739.36	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2029	4		69.35	13.32	750.34	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2029	5		17.46	44.47	736.70	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2029	6		1.95	142.40	758.93	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2029	7		0.01	299.84	741.31	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2029	8		0.00	350.01	712.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	9		0.07	283.86	743.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	10		6.84	90.13	737.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	11		41.49	12.57	742.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	12		117.82	1.98	828.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	1		191.67	0.43	858.21	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	2		187.30	0.05	761.96	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2030	3		134.54	1.29	744.69	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2030	4		69.63	13.42	755.87	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2030	5		17.53	44.82	742.22	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2030	6		1.96	143.54	764.71	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2030	7		0.01	302.26	747.06	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2030	8		0.00	352.84	718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	9		0.08	286.16	749.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	10		6.87	90.86	743.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	11		41.66	12.67	747.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	12		118.33	2.00	834.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	1		192.55	0.44	863.57	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	2		188.16	0.05	766.78	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2031	3		135.16	1.30	749.47	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2031	4		69.95	13.53	760.82	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2031	5		17.61	45.18	747.18	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2031	6		1.96	144.69	769.92	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2031	7		0.01	304.69	752.26	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2031	8		0.00	355.68	723.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	9		0.08	288.47	754.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	10		6.90	91.60	748.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	11		41.86	12.77	752.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	12		118.89	2.01	839.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2032	1		193.47	0.44	869.11	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	2		189.06	0.05	771.76	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2032	3		135.81	1.31	754.40	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2032	4		70.28	13.64	765.95	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2032	5		17.69	45.56	752.31	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2032	6		1.97	145.88	775.30	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2032	7		0.01	307.21	757.64	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2032	8		0.00	358.62	728.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	9		0.08	290.84	759.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	10		6.93	92.36	753.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	11		42.06	12.88	757.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	12		119.47	2.03	845.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	1		194.43	0.44	874.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	2		189.99	0.05	776.92	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2033	3		136.48	1.32	759.51	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2033	4		70.64	13.76	771.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2033	5		17.78	45.94	757.62	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2033	6		1.98	147.10	780.87	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2033	7		0.01	309.80	763.21	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2033	8		0.00	361.64	733.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	9		0.08	293.29	765.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	10		6.97	93.14	759.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	11		42.28	12.99	762.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	12		120.07	2.05	850.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	1		195.44	0.45	880.81	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	2		190.98	0.05	782.27	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2034	3		137.19	1.33	764.80	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2034	4		71.01	13.88	776.78	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2034	5		17.87	46.33	763.12	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2034	6		1.99	148.37	786.64	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2034	7		0.01	312.49	768.97	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2034	8		0.00	364.78	739.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	9		0.08	295.84	770.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	10		7.01	93.96	764.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	11		42.51	13.10	768.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	12		120.73	2.06	856.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2035	1		196.52	0.45	886.96	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	2		192.03	0.05	787.79	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2035	3		137.95	1.35	770.26	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2035	4		71.40	14.00	782.43	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2035	5		17.97	46.74	768.75	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2035	6		2.01	149.69	792.54	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2035	7		0.01	315.28	774.84	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2035	8		0.00	368.03	744.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	9		0.08	298.48	776.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	10		7.05	94.80	770.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	11		42.75	13.22	773.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	12		121.40	2.08	862.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	1		197.64	0.45	893.15	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	2		193.12	0.05	793.33	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2036	3		138.73	1.36	775.73	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2036	4		71.81	14.12	788.09	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2036	5		18.08	47.16	774.39	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2036	6		2.02	151.03	798.43	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2036	7		0.01	318.11	780.71	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2036	8		0.00	371.33	750.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	9		0.08	301.15	782.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	10		7.09	95.65	775.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	11		42.99	13.34	779.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	12		122.09	2.10	868.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	1		198.77	0.46	899.38	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	2		194.23	0.05	798.91	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2037	3		139.52	1.37	781.23	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2037	4		72.22	14.25	793.81	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2037	5		18.18	47.59	780.09	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2037	6		2.03	152.38	804.39	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2037	7		0.01	320.97	786.66	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2037	8		0.00	374.67	756.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	9		0.08	303.85	788.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	10		7.13	96.51	781.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	11		43.24	13.46	784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	12		122.79	2.12	874.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul
2038	1		199.91	0.46	905.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	2		195.34	0.05	804.49	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2038	3		140.32	1.38	786.74	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2038	4		72.64	14.38	799.53	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2038	5		18.28	48.01	785.79	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2038	6		2.04	153.74	810.36	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2038	7		0.01	323.84	792.62	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2038	8		0.00	378.02	761.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	9		0.08	306.56	794.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	10		7.17	97.37	787.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	11		43.48	13.58	790.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	12		123.49	2.14	880.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
1990	1	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1991	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
1993	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1993	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
1994	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1995	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
1995	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
1996	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
1999	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2002	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2005	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
2007	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2008	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2011	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2014	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2017	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2020	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2023	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2026	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2029	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2032	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2033	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2034	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2035	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2035	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2037	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Sep	Oct	Nov	feb90	Jan90	Sep93	Sep91	Sep95	Sep94	Nov95	Feb07
2038	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2038	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
1990	1	0.00	0.00	0.00
1990	2	0.00	0.00	0.00
1990	3	0.00	0.00	0.00
1990	4	0.00	0.00	0.00
1990	5	0.00	0.00	0.00
1990	6	0.00	0.00	0.00
1990	7	0.00	0.00	0.00
1990	8	0.00	0.00	0.00
1990	9	0.00	0.00	0.00
1990	10	0.00	0.00	0.00
1990	11	0.00	0.00	0.00
1990	12	0.00	0.00	0.00
1991	1	0.00	0.00	0.00
1991	2	0.00	0.00	0.00
1991	3	0.00	0.00	0.00
1991	4	0.00	0.00	0.00
1991	5	0.00	0.00	0.00
1991	6	0.00	0.00	0.00
1991	7	0.00	0.00	0.00
1991	8	0.00	0.00	0.00
1991	9	0.00	0.00	0.00
1991	10	0.00	0.00	0.00
1991	11	0.00	0.00	0.00
1991	12	0.00	0.00	0.00
1992	1	0.00	0.00	0.00
1992	2	0.00	0.00	0.00
1992	3	0.00	0.00	0.00
1992	4	0.00	0.00	0.00
1992	5	0.00	0.00	0.00
1992	6	0.00	0.00	0.00
1992	7	0.00	0.00	0.00
1992	8	0.00	0.00	0.00
1992	9	0.00	0.00	0.00
1992	10	0.00	0.00	0.00
1992	11	0.00	0.00	0.00
1992	12	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
1993	1	0.00	0.00	0.00
1993	2	0.00	0.00	0.00
1993	3	0.00	0.00	0.00
1993	4	0.00	0.00	0.00
1993	5	0.00	0.00	0.00
1993	6	0.00	0.00	0.00
1993	7	1.00	0.00	0.00
1993	8	0.00	0.00	0.00
1993	9	0.00	0.00	0.00
1993	10	0.00	0.00	0.00
1993	11	0.00	0.00	0.00
1993	12	0.00	0.00	0.00
1994	1	0.00	0.00	0.00
1994	2	0.00	0.00	0.00
1994	3	0.00	0.00	0.00
1994	4	0.00	0.00	0.00
1994	5	0.00	0.00	0.00
1994	6	0.00	0.00	0.00
1994	7	0.00	0.00	0.00
1994	8	0.00	0.00	0.00
1994	9	0.00	0.00	0.00
1994	10	0.00	0.00	0.00
1994	11	0.00	0.00	0.00
1994	12	0.00	0.00	0.00
1995	1	0.00	0.00	0.00
1995	2	0.00	0.00	0.00
1995	3	0.00	0.00	0.00
1995	4	0.00	0.00	0.00
1995	5	0.00	0.00	0.00
1995	6	0.00	0.00	0.00
1995	7	0.00	0.00	0.00
1995	8	0.00	0.00	0.00
1995	9	0.00	0.00	0.00
1995	10	0.00	0.00	0.00
1995	11	0.00	0.00	0.00
1995	12	0.00	1.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
1996	1	0.00	0.00	0.00
1996	2	0.00	0.00	0.00
1996	3	0.00	0.00	0.00
1996	4	0.00	0.00	0.00
1996	5	0.00	0.00	0.00
1996	6	0.00	0.00	0.00
1996	7	0.00	0.00	0.00
1996	8	0.00	0.00	0.00
1996	9	0.00	0.00	0.00
1996	10	0.00	0.00	0.00
1996	11	0.00	0.00	0.00
1996	12	0.00	0.00	0.00
1997	1	0.00	0.00	0.00
1997	2	0.00	0.00	0.00
1997	3	0.00	0.00	0.00
1997	4	0.00	0.00	0.00
1997	5	0.00	0.00	0.00
1997	6	0.00	0.00	0.00
1997	7	0.00	0.00	0.00
1997	8	0.00	0.00	0.00
1997	9	0.00	0.00	0.00
1997	10	0.00	0.00	0.00
1997	11	0.00	0.00	0.00
1997	12	0.00	0.00	0.00
1998	1	0.00	0.00	0.00
1998	2	0.00	0.00	0.00
1998	3	0.00	0.00	0.00
1998	4	0.00	0.00	0.00
1998	5	0.00	0.00	0.00
1998	6	0.00	0.00	0.00
1998	7	0.00	0.00	0.00
1998	8	0.00	0.00	0.00
1998	9	0.00	0.00	0.00
1998	10	0.00	0.00	0.00
1998	11	0.00	0.00	0.00
1998	12	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
1999	1	0.00	0.00	0.00
1999	2	0.00	0.00	0.00
1999	3	0.00	0.00	0.00
1999	4	0.00	0.00	0.00
1999	5	0.00	0.00	0.00
1999	6	0.00	0.00	0.00
1999	7	0.00	0.00	0.00
1999	8	0.00	0.00	0.00
1999	9	0.00	0.00	0.00
1999	10	0.00	0.00	0.00
1999	11	0.00	0.00	0.00
1999	12	0.00	0.00	0.00
2000	1	0.00	0.00	0.00
2000	2	0.00	0.00	0.00
2000	3	0.00	0.00	0.00
2000	4	0.00	0.00	0.00
2000	5	0.00	0.00	0.00
2000	6	0.00	0.00	0.00
2000	7	0.00	0.00	0.00
2000	8	0.00	0.00	0.00
2000	9	0.00	0.00	0.00
2000	10	0.00	0.00	0.00
2000	11	0.00	0.00	0.00
2000	12	0.00	0.00	0.00
2001	1	0.00	0.00	0.00
2001	2	0.00	0.00	0.00
2001	3	0.00	0.00	0.00
2001	4	0.00	0.00	0.00
2001	5	0.00	0.00	0.00
2001	6	0.00	0.00	0.00
2001	7	0.00	0.00	0.00
2001	8	0.00	0.00	0.00
2001	9	0.00	0.00	0.00
2001	10	0.00	0.00	0.00
2001	11	0.00	0.00	0.00
2001	12	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2002	1	0.00	0.00	0.00
2002	2	0.00	0.00	0.00
2002	3	0.00	0.00	0.00
2002	4	0.00	0.00	0.00
2002	5	0.00	0.00	0.00
2002	6	0.00	0.00	0.00
2002	7	0.00	0.00	0.00
2002	8	0.00	0.00	0.00
2002	9	0.00	0.00	0.00
2002	10	0.00	0.00	0.00
2002	11	0.00	0.00	0.00
2002	12	0.00	0.00	0.00
2003	1	0.00	0.00	0.00
2003	2	0.00	0.00	0.00
2003	3	0.00	0.00	0.00
2003	4	0.00	0.00	0.00
2003	5	0.00	0.00	0.00
2003	6	0.00	0.00	0.00
2003	7	0.00	0.00	0.00
2003	8	0.00	0.00	0.00
2003	9	0.00	0.00	0.00
2003	10	0.00	0.00	0.00
2003	11	0.00	0.00	0.00
2003	12	0.00	0.00	0.00
2004	1	0.00	0.00	0.00
2004	2	0.00	0.00	0.00
2004	3	0.00	0.00	0.00
2004	4	0.00	0.00	0.00
2004	5	0.00	0.00	0.00
2004	6	0.00	0.00	0.00
2004	7	0.00	0.00	0.00
2004	8	0.00	0.00	0.00
2004	9	0.00	0.00	0.00
2004	10	0.00	0.00	0.00
2004	11	0.00	0.00	0.00
2004	12	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2005	1	0.00	0.00	0.00
2005	2	0.00	0.00	0.00
2005	3	0.00	0.00	0.00
2005	4	0.00	0.00	0.00
2005	5	0.00	0.00	0.00
2005	6	0.00	0.00	0.00
2005	7	0.00	0.00	0.00
2005	8	0.00	0.00	0.00
2005	9	0.00	0.00	0.00
2005	10	0.00	0.00	0.00
2005	11	0.00	0.00	0.00
2005	12	0.00	0.00	0.00
2006	1	0.00	0.00	0.00
2006	2	0.00	0.00	0.00
2006	3	0.00	0.00	0.00
2006	4	0.00	0.00	0.00
2006	5	0.00	0.00	0.00
2006	6	0.00	0.00	0.00
2006	7	0.00	0.00	0.00
2006	8	0.00	0.00	0.00
2006	9	0.00	0.00	0.00
2006	10	0.00	0.00	0.00
2006	11	0.00	0.00	0.00
2006	12	0.00	0.00	0.00
2007	1	0.00	0.00	0.00
2007	2	0.00	0.00	0.00
2007	3	0.00	0.00	0.00
2007	4	0.00	0.00	0.00
2007	5	0.00	0.00	0.00
2007	6	0.00	0.00	0.00
2007	7	0.00	0.00	0.00
2007	8	0.00	0.00	0.00
2007	9	0.00	0.00	0.00
2007	10	0.00	0.00	0.00
2007	11	0.00	0.00	0.00
2007	12	0.00	0.00	0.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2008	1	0.00	0.00	1.00
2008	2	0.00	0.00	1.00
2008	3	0.00	0.00	1.00
2008	4	0.00	0.00	1.00
2008	5	0.00	0.00	1.00
2008	6	0.00	0.00	1.00
2008	7	0.00	0.00	1.00
2008	8	0.00	0.00	1.00
2008	9	0.00	0.00	1.00
2008	10	0.00	0.00	1.00
2008	11	0.00	0.00	1.00
2008	12	0.00	0.00	1.00
2009	1	0.00	0.00	1.00
2009	2	0.00	0.00	1.00
2009	3	0.00	0.00	1.00
2009	4	0.00	0.00	1.00
2009	5	0.00	0.00	1.00
2009	6	0.00	0.00	1.00
2009	7	0.00	0.00	1.00
2009	8	0.00	0.00	1.00
2009	9	0.00	0.00	1.00
2009	10	0.00	0.00	1.00
2009	11	0.00	0.00	1.00
2009	12	0.00	0.00	1.00
2010	1	0.00	0.00	1.00
2010	2	0.00	0.00	1.00
2010	3	0.00	0.00	1.00
2010	4	0.00	0.00	1.00
2010	5	0.00	0.00	1.00
2010	6	0.00	0.00	1.00
2010	7	0.00	0.00	1.00
2010	8	0.00	0.00	1.00
2010	9	0.00	0.00	1.00
2010	10	0.00	0.00	1.00
2010	11	0.00	0.00	1.00
2010	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2011	1	0.00	0.00	1.00
2011	2	0.00	0.00	1.00
2011	3	0.00	0.00	1.00
2011	4	0.00	0.00	1.00
2011	5	0.00	0.00	1.00
2011	6	0.00	0.00	1.00
2011	7	0.00	0.00	1.00
2011	8	0.00	0.00	1.00
2011	9	0.00	0.00	1.00
2011	10	0.00	0.00	1.00
2011	11	0.00	0.00	1.00
2011	12	0.00	0.00	1.00
2012	1	0.00	0.00	1.00
2012	2	0.00	0.00	1.00
2012	3	0.00	0.00	1.00
2012	4	0.00	0.00	1.00
2012	5	0.00	0.00	1.00
2012	6	0.00	0.00	1.00
2012	7	0.00	0.00	1.00
2012	8	0.00	0.00	1.00
2012	9	0.00	0.00	1.00
2012	10	0.00	0.00	1.00
2012	11	0.00	0.00	1.00
2012	12	0.00	0.00	1.00
2013	1	0.00	0.00	1.00
2013	2	0.00	0.00	1.00
2013	3	0.00	0.00	1.00
2013	4	0.00	0.00	1.00
2013	5	0.00	0.00	1.00
2013	6	0.00	0.00	1.00
2013	7	0.00	0.00	1.00
2013	8	0.00	0.00	1.00
2013	9	0.00	0.00	1.00
2013	10	0.00	0.00	1.00
2013	11	0.00	0.00	1.00
2013	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2014	1	0.00	0.00	1.00
2014	2	0.00	0.00	1.00
2014	3	0.00	0.00	1.00
2014	4	0.00	0.00	1.00
2014	5	0.00	0.00	1.00
2014	6	0.00	0.00	1.00
2014	7	0.00	0.00	1.00
2014	8	0.00	0.00	1.00
2014	9	0.00	0.00	1.00
2014	10	0.00	0.00	1.00
2014	11	0.00	0.00	1.00
2014	12	0.00	0.00	1.00
2015	1	0.00	0.00	1.00
2015	2	0.00	0.00	1.00
2015	3	0.00	0.00	1.00
2015	4	0.00	0.00	1.00
2015	5	0.00	0.00	1.00
2015	6	0.00	0.00	1.00
2015	7	0.00	0.00	1.00
2015	8	0.00	0.00	1.00
2015	9	0.00	0.00	1.00
2015	10	0.00	0.00	1.00
2015	11	0.00	0.00	1.00
2015	12	0.00	0.00	1.00
2016	1	0.00	0.00	1.00
2016	2	0.00	0.00	1.00
2016	3	0.00	0.00	1.00
2016	4	0.00	0.00	1.00
2016	5	0.00	0.00	1.00
2016	6	0.00	0.00	1.00
2016	7	0.00	0.00	1.00
2016	8	0.00	0.00	1.00
2016	9	0.00	0.00	1.00
2016	10	0.00	0.00	1.00
2016	11	0.00	0.00	1.00
2016	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2017	1	0.00	0.00	1.00
2017	2	0.00	0.00	1.00
2017	3	0.00	0.00	1.00
2017	4	0.00	0.00	1.00
2017	5	0.00	0.00	1.00
2017	6	0.00	0.00	1.00
2017	7	0.00	0.00	1.00
2017	8	0.00	0.00	1.00
2017	9	0.00	0.00	1.00
2017	10	0.00	0.00	1.00
2017	11	0.00	0.00	1.00
2017	12	0.00	0.00	1.00
2018	1	0.00	0.00	1.00
2018	2	0.00	0.00	1.00
2018	3	0.00	0.00	1.00
2018	4	0.00	0.00	1.00
2018	5	0.00	0.00	1.00
2018	6	0.00	0.00	1.00
2018	7	0.00	0.00	1.00
2018	8	0.00	0.00	1.00
2018	9	0.00	0.00	1.00
2018	10	0.00	0.00	1.00
2018	11	0.00	0.00	1.00
2018	12	0.00	0.00	1.00
2019	1	0.00	0.00	1.00
2019	2	0.00	0.00	1.00
2019	3	0.00	0.00	1.00
2019	4	0.00	0.00	1.00
2019	5	0.00	0.00	1.00
2019	6	0.00	0.00	1.00
2019	7	0.00	0.00	1.00
2019	8	0.00	0.00	1.00
2019	9	0.00	0.00	1.00
2019	10	0.00	0.00	1.00
2019	11	0.00	0.00	1.00
2019	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2020	1	0.00	0.00	1.00
2020	2	0.00	0.00	1.00
2020	3	0.00	0.00	1.00
2020	4	0.00	0.00	1.00
2020	5	0.00	0.00	1.00
2020	6	0.00	0.00	1.00
2020	7	0.00	0.00	1.00
2020	8	0.00	0.00	1.00
2020	9	0.00	0.00	1.00
2020	10	0.00	0.00	1.00
2020	11	0.00	0.00	1.00
2020	12	0.00	0.00	1.00
2021	1	0.00	0.00	1.00
2021	2	0.00	0.00	1.00
2021	3	0.00	0.00	1.00
2021	4	0.00	0.00	1.00
2021	5	0.00	0.00	1.00
2021	6	0.00	0.00	1.00
2021	7	0.00	0.00	1.00
2021	8	0.00	0.00	1.00
2021	9	0.00	0.00	1.00
2021	10	0.00	0.00	1.00
2021	11	0.00	0.00	1.00
2021	12	0.00	0.00	1.00
2022	1	0.00	0.00	1.00
2022	2	0.00	0.00	1.00
2022	3	0.00	0.00	1.00
2022	4	0.00	0.00	1.00
2022	5	0.00	0.00	1.00
2022	6	0.00	0.00	1.00
2022	7	0.00	0.00	1.00
2022	8	0.00	0.00	1.00
2022	9	0.00	0.00	1.00
2022	10	0.00	0.00	1.00
2022	11	0.00	0.00	1.00
2022	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2023	1	0.00	0.00	1.00
2023	2	0.00	0.00	1.00
2023	3	0.00	0.00	1.00
2023	4	0.00	0.00	1.00
2023	5	0.00	0.00	1.00
2023	6	0.00	0.00	1.00
2023	7	0.00	0.00	1.00
2023	8	0.00	0.00	1.00
2023	9	0.00	0.00	1.00
2023	10	0.00	0.00	1.00
2023	11	0.00	0.00	1.00
2023	12	0.00	0.00	1.00
2024	1	0.00	0.00	1.00
2024	2	0.00	0.00	1.00
2024	3	0.00	0.00	1.00
2024	4	0.00	0.00	1.00
2024	5	0.00	0.00	1.00
2024	6	0.00	0.00	1.00
2024	7	0.00	0.00	1.00
2024	8	0.00	0.00	1.00
2024	9	0.00	0.00	1.00
2024	10	0.00	0.00	1.00
2024	11	0.00	0.00	1.00
2024	12	0.00	0.00	1.00
2025	1	0.00	0.00	1.00
2025	2	0.00	0.00	1.00
2025	3	0.00	0.00	1.00
2025	4	0.00	0.00	1.00
2025	5	0.00	0.00	1.00
2025	6	0.00	0.00	1.00
2025	7	0.00	0.00	1.00
2025	8	0.00	0.00	1.00
2025	9	0.00	0.00	1.00
2025	10	0.00	0.00	1.00
2025	11	0.00	0.00	1.00
2025	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2026	1	0.00	0.00	1.00
2026	2	0.00	0.00	1.00
2026	3	0.00	0.00	1.00
2026	4	0.00	0.00	1.00
2026	5	0.00	0.00	1.00
2026	6	0.00	0.00	1.00
2026	7	0.00	0.00	1.00
2026	8	0.00	0.00	1.00
2026	9	0.00	0.00	1.00
2026	10	0.00	0.00	1.00
2026	11	0.00	0.00	1.00
2026	12	0.00	0.00	1.00
2027	1	0.00	0.00	1.00
2027	2	0.00	0.00	1.00
2027	3	0.00	0.00	1.00
2027	4	0.00	0.00	1.00
2027	5	0.00	0.00	1.00
2027	6	0.00	0.00	1.00
2027	7	0.00	0.00	1.00
2027	8	0.00	0.00	1.00
2027	9	0.00	0.00	1.00
2027	10	0.00	0.00	1.00
2027	11	0.00	0.00	1.00
2027	12	0.00	0.00	1.00
2028	1	0.00	0.00	1.00
2028	2	0.00	0.00	1.00
2028	3	0.00	0.00	1.00
2028	4	0.00	0.00	1.00
2028	5	0.00	0.00	1.00
2028	6	0.00	0.00	1.00
2028	7	0.00	0.00	1.00
2028	8	0.00	0.00	1.00
2028	9	0.00	0.00	1.00
2028	10	0.00	0.00	1.00
2028	11	0.00	0.00	1.00
2028	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2029	1	0.00	0.00	1.00
2029	2	0.00	0.00	1.00
2029	3	0.00	0.00	1.00
2029	4	0.00	0.00	1.00
2029	5	0.00	0.00	1.00
2029	6	0.00	0.00	1.00
2029	7	0.00	0.00	1.00
2029	8	0.00	0.00	1.00
2029	9	0.00	0.00	1.00
2029	10	0.00	0.00	1.00
2029	11	0.00	0.00	1.00
2029	12	0.00	0.00	1.00
2030	1	0.00	0.00	1.00
2030	2	0.00	0.00	1.00
2030	3	0.00	0.00	1.00
2030	4	0.00	0.00	1.00
2030	5	0.00	0.00	1.00
2030	6	0.00	0.00	1.00
2030	7	0.00	0.00	1.00
2030	8	0.00	0.00	1.00
2030	9	0.00	0.00	1.00
2030	10	0.00	0.00	1.00
2030	11	0.00	0.00	1.00
2030	12	0.00	0.00	1.00
2031	1	0.00	0.00	1.00
2031	2	0.00	0.00	1.00
2031	3	0.00	0.00	1.00
2031	4	0.00	0.00	1.00
2031	5	0.00	0.00	1.00
2031	6	0.00	0.00	1.00
2031	7	0.00	0.00	1.00
2031	8	0.00	0.00	1.00
2031	9	0.00	0.00	1.00
2031	10	0.00	0.00	1.00
2031	11	0.00	0.00	1.00
2031	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2032	1	0.00	0.00	1.00
2032	2	0.00	0.00	1.00
2032	3	0.00	0.00	1.00
2032	4	0.00	0.00	1.00
2032	5	0.00	0.00	1.00
2032	6	0.00	0.00	1.00
2032	7	0.00	0.00	1.00
2032	8	0.00	0.00	1.00
2032	9	0.00	0.00	1.00
2032	10	0.00	0.00	1.00
2032	11	0.00	0.00	1.00
2032	12	0.00	0.00	1.00
2033	1	0.00	0.00	1.00
2033	2	0.00	0.00	1.00
2033	3	0.00	0.00	1.00
2033	4	0.00	0.00	1.00
2033	5	0.00	0.00	1.00
2033	6	0.00	0.00	1.00
2033	7	0.00	0.00	1.00
2033	8	0.00	0.00	1.00
2033	9	0.00	0.00	1.00
2033	10	0.00	0.00	1.00
2033	11	0.00	0.00	1.00
2033	12	0.00	0.00	1.00
2034	1	0.00	0.00	1.00
2034	2	0.00	0.00	1.00
2034	3	0.00	0.00	1.00
2034	4	0.00	0.00	1.00
2034	5	0.00	0.00	1.00
2034	6	0.00	0.00	1.00
2034	7	0.00	0.00	1.00
2034	8	0.00	0.00	1.00
2034	9	0.00	0.00	1.00
2034	10	0.00	0.00	1.00
2034	11	0.00	0.00	1.00
2034	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2035	1	0.00	0.00	1.00
2035	2	0.00	0.00	1.00
2035	3	0.00	0.00	1.00
2035	4	0.00	0.00	1.00
2035	5	0.00	0.00	1.00
2035	6	0.00	0.00	1.00
2035	7	0.00	0.00	1.00
2035	8	0.00	0.00	1.00
2035	9	0.00	0.00	1.00
2035	10	0.00	0.00	1.00
2035	11	0.00	0.00	1.00
2035	12	0.00	0.00	1.00
2036	1	0.00	0.00	1.00
2036	2	0.00	0.00	1.00
2036	3	0.00	0.00	1.00
2036	4	0.00	0.00	1.00
2036	5	0.00	0.00	1.00
2036	6	0.00	0.00	1.00
2036	7	0.00	0.00	1.00
2036	8	0.00	0.00	1.00
2036	9	0.00	0.00	1.00
2036	10	0.00	0.00	1.00
2036	11	0.00	0.00	1.00
2036	12	0.00	0.00	1.00
2037	1	0.00	0.00	1.00
2037	2	0.00	0.00	1.00
2037	3	0.00	0.00	1.00
2037	4	0.00	0.00	1.00
2037	5	0.00	0.00	1.00
2037	6	0.00	0.00	1.00
2037	7	0.00	0.00	1.00
2037	8	0.00	0.00	1.00
2037	9	0.00	0.00	1.00
2037	10	0.00	0.00	1.00
2037	11	0.00	0.00	1.00
2037	12	0.00	0.00	1.00

Residential Model Data

Year	Month	Jul93	Dec95	D08on
2038	1	0.00	0.00	1.00
2038	2	0.00	0.00	1.00
2038	3	0.00	0.00	1.00
2038	4	0.00	0.00	1.00
2038	5	0.00	0.00	1.00
2038	6	0.00	0.00	1.00
2038	7	0.00	0.00	1.00
2038	8	0.00	0.00	1.00
2038	9	0.00	0.00	1.00
2038	10	0.00	0.00	1.00
2038	11	0.00	0.00	1.00
2038	12	0.00	0.00	1.00

Residential Model Coefficients

Variable	Coefficient	StdErr	T-Stat	P-Value	Definition
CONST	107599.109	94900.523	1.134	25.82%	Constant term
ResidentialVars.XHeat	4959.470	236.016	21.013	0.00%	Residential Heating Component
ResidentialVars.XCool	865.039	74.716	11.578	0.00%	Residential Cooling Component
ResidentialVars.XOther	1330.295	131.538	10.113	0.00%	Residential Other Component
BinaryVars.Jan	35962.437	26038.052	1.381	16.88%	January
BinaryVars.Feb	-61968.449	29250.451	-2.119	3.54%	February
BinaryVars.Mar	-80761.477	25083.995	-3.220	0.15%	March
BinaryVars.Apr	-180658.656	22311.182	-8.097	0.00%	April
BinaryVars.May	-188729.167	24231.888	-7.788	0.00%	May
BinaryVars.Jun	-150133.246	22023.094	-6.817	0.00%	June
BinaryVars.Jul	-19332.332	20905.670	-0.925	35.62%	July
BinaryVars.Sep	-96293.337	22075.295	-4.362	0.00%	September
BinaryVars.Oct	-177589.819	23389.732	-7.593	0.00%	October
BinaryVars.Nov	-102997.479	24224.369	-4.252	0.00%	November
BinaryVars.feb90	-178945.808	71153.153	-2.515	1.27%	Binary-February 1990
BinaryVars.Jan90	-359282.406	69026.861	-5.205	0.00%	Binary-January 1990
BinaryVars.Sep93	-300888.921	69181.071	-4.349	0.00%	Binary-September 1993
BinaryVars.Sep91	-220435.878	69302.615	-3.181	0.17%	Binary-September 1991
BinaryVars.Sep95	-278703.141	69200.104	-4.027	0.01%	Binary-September 1995
BinaryVars.Sep94	-222590.662	69543.268	-3.201	0.16%	Binary-September 1994
BinaryVars.Nov95	383201.426	68780.003	5.571	0.00%	Binary-November 1995
BinaryVars.Feb07	168840.076	69437.611	2.432	1.59%	Binary-February 2007
BinaryVars.Jul93	230996.835	68718.918	3.361	0.09%	Binary-July 1993
BinaryVars.Dec95	283350.606	68920.194	4.111	0.01%	Binary-December 1995
BinaryVars.D08on	23671.359	22310.085	1.061	29.00%	Binary-2008 On

Residential Model Statistics

Regression Statistics		Forecast Statistics	
Iterations	1	Forecast Observations	0
Adjusted Observations	226	Mean Abs. Dev. (MAD)	0.00
Deg. of Freedom for Error	201	Mean Abs. % Err. (MAPE)	0.00%
R-Squared	0.968	Avg. Forecast Error	0.00
Adjusted R-Squared	0.964	Mean % Error	0.00%
Durbin-Watson Statistic	1.564	Root Mean-Square Error	0.000
Durbin-H Statistic	#NA	Theil's Inequality Coefficient	0.0000
AIC	22.318	-- Bias Proportion	0.00%
BIC	22.697	-- Variance Proportion	0.00%
F-Statistic	255.518	-- Covariance Proportion	0.00%
Prob (F-Statistic)	0.0000		
Log-Likelihood	-2817.65		
Model Sum of Squares	27239508600222		
Sum of Squared Errors	892816145758		
Mean Squared Error	4441871371.93		
Std. Error of Regression	66647.37		
Mean Abs. Dev. (MAD)	45440.38		
Mean Abs. % Err. (MAPE)	3.59%		
Ljung-Box Statistic	65.37		
Prob (Ljung-Box)	0.0000		
Skewness	0.398		
Kurtosis	4.467		
Jarque-Bera	26.2		
Prob (Jarque-Bera)	0.0014		

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
1994	1	2,036,887.079	107,599.109	862,636.474	0.000	1,030,689.059	35,962.437	0.000	0.000	0.000
1994	2	1,779,695.073	107,599.109	823,550.206	0.000	910,514.208	0.000	-61,968.449	0.000	0.000
1994	3	1,373,093.037	107,599.109	459,782.106	83.481	886,389.817	0.000	0.000	-80,761.477	0.000
1994	4	1,074,206.598	107,599.109	248,113.710	5,556.389	893,596.046	0.000	0.000	0.000	-180,658.656
1994	5	861,156.854	107,599.109	32,394.364	40,576.045	869,316.502	0.000	0.000	0.000	0.000
1994	6	968,223.772	107,599.109	4,244.161	119,247.918	887,265.829	0.000	0.000	0.000	0.000
1994	7	1,281,941.692	107,599.109	0.000	330,539.048	863,135.867	0.000	0.000	0.000	0.000
1994	8	1,202,132.254	107,599.109	0.000	261,932.366	832,600.779	0.000	0.000	0.000	0.000
1994	9	817,764.444	107,599.109	0.000	156,944.782	872,104.552	0.000	0.000	0.000	0.000
1994	10	852,339.634	107,599.109	10,392.815	37,698.892	874,238.636	0.000	0.000	0.000	0.000
1994	11	972,764.062	107,599.109	77,165.278	3,848.280	887,148.873	0.000	0.000	0.000	0.000
1994	12	1,394,531.558	107,599.109	289,834.217	1,696.207	995,402.025	0.000	0.000	0.000	0.000
1995	1	1,805,002.154	107,599.109	623,038.614	0.000	1,038,401.993	35,962.437	0.000	0.000	0.000
1995	2	1,709,882.900	107,599.109	747,910.927	0.000	916,341.313	0.000	-61,968.449	0.000	0.000
1995	3	1,423,035.277	107,599.109	504,369.762	0.000	891,827.882	0.000	0.000	-80,761.477	0.000
1995	4	1,022,150.176	107,599.109	191,411.447	5,686.061	898,112.215	0.000	0.000	0.000	-180,658.656
1995	5	883,434.538	107,599.109	67,971.350	22,880.511	873,712.735	0.000	0.000	0.000	0.000
1995	6	960,890.001	107,599.109	4,519.025	107,022.290	891,882.823	0.000	0.000	0.000	0.000
1995	7	1,206,154.254	107,599.109	0.000	250,266.698	867,620.779	0.000	0.000	0.000	0.000
1995	8	1,319,432.861	107,599.109	0.000	375,161.398	836,672.354	0.000	0.000	0.000	0.000
1995	9	915,975.408	107,599.109	551.708	306,376.381	876,444.687	0.000	0.000	0.000	0.000
1995	10	878,292.708	107,599.109	14,402.745	55,612.564	878,268.109	0.000	0.000	0.000	0.000
1995	11	1,498,882.470	107,599.109	214,211.445	5,091.551	891,776.417	0.000	0.000	0.000	0.000
1995	12	1,967,901.147	107,599.109	575,426.576	379.264	1,001,145.592	0.000	0.000	0.000	0.000
1996	1	2,120,783.009	107,599.109	934,596.301	0.000	1,042,625.161	35,962.437	0.000	0.000	0.000
1996	2	1,801,305.364	107,599.109	832,359.732	0.000	923,314.972	0.000	-61,968.449	0.000	0.000
1996	3	1,487,584.858	107,599.109	564,550.817	0.000	896,196.409	0.000	0.000	-80,761.477	0.000
1996	4	1,237,620.794	107,599.109	400,722.550	6,541.627	903,416.165	0.000	0.000	0.000	-180,658.656
1996	5	950,331.756	107,599.109	87,107.385	64,957.157	879,397.271	0.000	0.000	0.000	0.000
1996	6	1,012,788.965	107,599.109	12,434.717	145,157.160	897,731.224	0.000	0.000	0.000	0.000
1996	7	1,236,975.152	107,599.109	0.000	274,882.835	873,825.540	0.000	0.000	0.000	0.000
1996	8	1,193,650.627	107,599.109	0.000	242,826.963	843,224.555	0.000	0.000	0.000	0.000
1996	9	1,112,456.345	107,599.109	0.000	217,861.000	883,289.572	0.000	0.000	0.000	0.000
1996	10	881,697.015	107,599.109	26,601.513	39,060.204	886,026.008	0.000	0.000	0.000	0.000
1996	11	1,123,415.045	107,599.109	214,087.213	5,467.959	899,258.243	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
1996	12	1,708,613.439	107,599.109	589,751.102	1,429.251	1,009,833.977	0.000	0.000	0.000	0.000
1997	1	1,870,929.577	107,599.109	672,589.945	764.508	1,054,013.578	35,962.437	0.000	0.000	0.000
1997	2	1,704,154.405	107,599.109	726,526.992	564.606	931,432.148	0.000	-61,968.449	0.000	0.000
1997	3	1,331,898.623	107,599.109	395,240.259	2,374.946	907,445.785	0.000	0.000	-80,761.477	0.000
1997	4	1,108,657.816	107,599.109	260,203.039	5,593.491	915,920.834	0.000	0.000	0.000	-180,658.656
1997	5	935,428.641	107,599.109	118,755.239	6,382.250	891,421.210	0.000	0.000	0.000	0.000
1997	6	934,914.824	107,599.109	18,634.593	48,899.788	909,914.579	0.000	0.000	0.000	0.000
1997	7	1,201,763.713	107,599.109	0.000	227,364.590	886,132.346	0.000	0.000	0.000	0.000
1997	8	1,230,945.822	107,599.109	0.000	269,034.803	854,311.910	0.000	0.000	0.000	0.000
1997	9	1,058,345.544	107,599.109	0.000	151,317.249	895,722.523	0.000	0.000	0.000	0.000
1997	10	894,156.847	107,599.109	19,092.813	46,543.444	898,511.301	0.000	0.000	0.000	0.000
1997	11	1,156,432.504	107,599.109	257,091.183	13,054.567	881,685.124	0.000	0.000	0.000	0.000
1997	12	1,712,338.251	107,599.109	564,102.276	0.000	1,040,636.866	0.000	0.000	0.000	0.000
1998	1	1,833,631.438	107,599.109	621,252.813	0.000	1,068,817.078	35,962.437	0.000	0.000	0.000
1998	2	1,580,000.768	107,599.109	588,836.852	0.000	945,533.256	0.000	-61,968.449	0.000	0.000
1998	3	1,411,987.504	107,599.109	465,425.181	29.549	919,695.141	0.000	0.000	-80,761.477	0.000
1998	4	1,170,933.658	107,599.109	279,443.314	38,548.876	926,001.016	0.000	0.000	0.000	-180,658.656
1998	5	884,605.128	107,599.109	41,462.419	21,404.285	902,868.481	0.000	0.000	0.000	0.000
1998	6	1,008,386.338	107,599.109	955.619	127,852.778	922,112.077	0.000	0.000	0.000	0.000
1998	7	1,255,881.603	107,599.109	410.635	270,712.129	896,492.062	0.000	0.000	0.000	0.000
1998	8	1,240,572.464	107,599.109	0.000	268,448.734	864,524.621	0.000	0.000	0.000	0.000
1998	9	1,189,044.132	107,599.109	0.000	270,220.949	907,517.410	0.000	0.000	0.000	0.000
1998	10	1,008,552.233	107,599.109	7,719.030	161,913.334	908,910.580	0.000	0.000	0.000	0.000
1998	11	1,093,737.577	107,599.109	154,651.809	11,841.063	922,643.075	0.000	0.000	0.000	0.000
1998	12	1,472,440.277	107,599.109	325,618.466	2,761.134	1,036,461.568	0.000	0.000	0.000	0.000
1999	1	2,084,348.972	107,599.109	859,219.921	1,207.994	1,080,359.511	35,962.437	0.000	0.000	0.000
1999	2	1,536,064.185	107,599.109	535,661.326	0.000	954,772.199	0.000	-61,968.449	0.000	0.000
1999	3	1,586,713.120	107,599.109	631,264.380	0.000	928,611.107	0.000	0.000	-80,761.477	0.000
1999	4	1,207,087.831	107,599.109	336,114.803	8,773.957	935,258.619	0.000	0.000	0.000	-180,658.656
1999	5	899,645.866	107,599.109	40,243.256	29,501.171	911,031.497	0.000	0.000	0.000	0.000
1999	6	1,030,224.816	107,599.109	0.000	142,672.601	930,086.352	0.000	0.000	0.000	0.000
1999	7	1,320,729.606	107,599.109	0.000	327,777.154	904,685.675	0.000	0.000	0.000	0.000
1999	8	1,371,386.450	107,599.109	0.000	391,076.573	872,710.768	0.000	0.000	0.000	0.000
1999	9	1,133,376.008	107,599.109	167.207	206,467.414	915,435.615	0.000	0.000	0.000	0.000
1999	10	907,456.216	107,599.109	18,220.323	42,013.745	917,212.858	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
1999	11	1,088,635.711	107,599.109	150,669.688	2,330.506	931,033.886	0.000	0.000	0.000	0.000
1999	12	1,558,478.892	107,599.109	404,978.815	0.000	1,045,900.968	0.000	0.000	0.000	0.000
2000	1	1,998,145.629	107,599.109	764,727.135	0.000	1,089,856.947	35,962.437	0.000	0.000	0.000
2000	2	1,914,323.520	107,599.109	905,843.032	0.000	962,849.828	0.000	-61,968.449	0.000	0.000
2000	3	1,313,373.417	107,599.109	347,360.003	1,832.438	937,343.344	0.000	0.000	-80,761.477	0.000
2000	4	1,074,683.800	107,599.109	197,589.323	4,383.293	945,770.731	0.000	0.000	0.000	-180,658.656
2000	5	959,759.384	107,599.109	73,077.798	47,408.930	920,402.713	0.000	0.000	0.000	0.000
2000	6	1,035,539.758	107,599.109	173.530	137,749.627	940,150.737	0.000	0.000	0.000	0.000
2000	7	1,251,171.192	107,599.109	0.000	248,374.387	914,530.028	0.000	0.000	0.000	0.000
2000	8	1,199,061.099	107,599.109	0.000	209,505.301	881,956.688	0.000	0.000	0.000	0.000
2000	9	1,125,911.606	107,599.109	855.799	188,614.012	925,136.022	0.000	0.000	0.000	0.000
2000	10	966,861.700	107,599.109	46,223.871	63,766.623	926,861.915	0.000	0.000	0.000	0.000
2000	11	1,111,840.368	107,599.109	157,310.928	8,782.230	941,145.579	0.000	0.000	0.000	0.000
2000	12	1,927,534.403	107,599.109	763,844.605	0.000	1,056,090.689	0.000	0.000	0.000	0.000
2001	1	2,426,754.354	107,599.109	1,182,951.097	0.000	1,100,241.710	35,962.437	0.000	0.000	0.000
2001	2	1,837,032.881	107,599.109	819,078.645	0.000	972,323.576	0.000	-61,968.449	0.000	0.000
2001	3	1,539,507.748	107,599.109	565,623.557	0.000	947,046.559	0.000	0.000	-80,761.477	0.000
2001	4	1,316,175.232	107,599.109	399,321.966	35,408.720	954,504.093	0.000	0.000	0.000	-180,658.656
2001	5	986,864.389	107,599.109	60,668.024	78,242.440	929,083.984	0.000	0.000	0.000	0.000
2001	6	997,662.838	107,599.109	3,723.548	87,400.847	949,072.579	0.000	0.000	0.000	0.000
2001	7	1,227,632.933	107,599.109	0.000	215,425.975	923,940.180	0.000	0.000	0.000	0.000
2001	8	1,300,656.083	107,599.109	0.000	301,820.062	891,236.911	0.000	0.000	0.000	0.000
2001	9	1,189,764.519	107,599.109	175.108	243,246.385	935,037.254	0.000	0.000	0.000	0.000
2001	10	961,668.271	107,599.109	35,605.150	58,258.878	937,794.952	0.000	0.000	0.000	0.000
2001	11	1,144,363.264	107,599.109	170,484.916	17,088.932	952,187.786	0.000	0.000	0.000	0.000
2001	12	1,421,024.460	107,599.109	243,494.891	593.191	1,069,337.269	0.000	0.000	0.000	0.000
2002	1	2,112,963.277	107,599.109	850,748.403	0.000	1,118,653.327	35,962.437	0.000	0.000	0.000
2002	2	1,662,372.891	107,599.109	627,545.336	0.000	989,196.895	0.000	-61,968.449	0.000	0.000
2002	3	1,541,649.135	107,599.109	550,550.044	1,063.902	963,197.557	0.000	0.000	-80,761.477	0.000
2002	4	1,217,590.076	107,599.109	303,067.652	16,672.509	970,909.462	0.000	0.000	0.000	-180,658.656
2002	5	992,317.817	107,599.109	79,968.984	47,116.679	946,362.211	0.000	0.000	0.000	0.000
2002	6	1,100,191.805	107,599.109	47,875.417	128,646.877	966,203.647	0.000	0.000	0.000	0.000
2002	7	1,319,751.125	107,599.109	0.000	291,504.404	939,979.944	0.000	0.000	0.000	0.000
2002	8	1,370,233.750	107,599.109	0.000	355,952.384	906,682.256	0.000	0.000	0.000	0.000
2002	9	1,288,854.078	107,599.109	0.000	325,907.802	951,640.504	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2002	10	1,029,195.847	107,599.109	17,312.840	128,879.894	952,993.823	0.000	0.000	0.000	0.000
2002	11	1,195,901.275	107,599.109	211,177.104	12,698.659	967,423.882	0.000	0.000	0.000	0.000
2002	12	1,889,469.009	107,599.109	693,717.081	1,839.188	1,086,313.630	0.000	0.000	0.000	0.000
2003	1	2,129,497.171	107,599.109	854,934.491	0.000	1,131,001.134	35,962.437	0.000	0.000	0.000
2003	2	2,113,485.244	107,599.109	1,068,072.808	0.000	999,781.776	0.000	-61,968.449	0.000	0.000
2003	3	1,711,641.395	107,599.109	710,950.562	0.000	973,853.200	0.000	0.000	-80,761.477	0.000
2003	4	1,117,318.510	107,599.109	193,497.528	14,277.374	982,603.156	0.000	0.000	0.000	-180,658.656
2003	5	952,563.710	107,599.109	41,486.428	35,261.471	956,945.869	0.000	0.000	0.000	0.000
2003	6	984,805.398	107,599.109	0.000	49,869.776	977,469.759	0.000	0.000	0.000	0.000
2003	7	1,248,507.249	107,599.109	0.000	207,880.872	952,359.600	0.000	0.000	0.000	0.000
2003	8	1,252,167.438	107,599.109	0.000	235,958.643	908,609.685	0.000	0.000	0.000	0.000
2003	9	1,215,705.339	107,599.109	0.000	237,019.874	967,379.693	0.000	0.000	0.000	0.000
2003	10	978,686.295	107,599.109	48,607.581	33,693.793	966,375.631	0.000	0.000	0.000	0.000
2003	11	1,119,368.022	107,599.109	132,512.521	7,829.404	974,424.467	0.000	0.000	0.000	0.000
2003	12	1,712,925.588	107,599.109	510,755.770	977.548	1,093,593.161	0.000	0.000	0.000	0.000
2004	1	2,146,261.778	107,599.109	858,047.430	798.345	1,143,854.457	35,962.437	0.000	0.000	0.000
2004	2	2,043,781.413	107,599.109	987,445.009	237.700	1,010,468.044	0.000	-61,968.449	0.000	0.000
2004	3	1,579,595.872	107,599.109	565,878.734	2,110.763	984,768.743	0.000	0.000	-80,761.477	0.000
2004	4	1,275,175.042	107,599.109	326,973.694	12,226.452	1,009,034.443	0.000	0.000	0.000	-180,658.656
2004	5	1,026,752.689	107,599.109	78,563.006	65,967.691	963,352.049	0.000	0.000	0.000	0.000
2004	6	1,148,739.481	107,599.109	5,726.126	190,343.623	995,203.869	0.000	0.000	0.000	0.000
2004	7	1,293,674.597	107,599.109	0.000	239,937.026	965,470.794	0.000	0.000	0.000	0.000
2004	8	1,258,754.802	107,599.109	0.000	226,237.072	924,918.621	0.000	0.000	0.000	0.000
2004	9	1,175,509.591	107,599.109	0.000	203,427.672	960,776.147	0.000	0.000	0.000	0.000
2004	10	982,629.880	107,599.109	13,451.614	60,080.818	979,088.158	0.000	0.000	0.000	0.000
2004	11	1,084,706.589	107,599.109	85,080.858	11,766.195	983,257.905	0.000	0.000	0.000	0.000
2004	12	1,668,269.068	107,599.109	437,975.833	1,908.610	1,120,785.516	0.000	0.000	0.000	0.000
2005	1	2,050,046.260	107,599.109	756,608.107	0.000	1,149,876.607	35,962.437	0.000	0.000	0.000
2005	2	1,881,329.945	107,599.109	815,051.610	0.000	1,020,647.675	0.000	-61,968.449	0.000	0.000
2005	3	1,720,647.447	107,599.109	691,828.068	0.000	1,001,981.746	0.000	0.000	-80,761.477	0.000
2005	4	1,286,733.383	107,599.109	333,898.001	5,464.434	1,020,430.496	0.000	0.000	0.000	-180,658.656
2005	5	998,838.149	107,599.109	93,037.056	19,401.990	967,529.161	0.000	0.000	0.000	0.000
2005	6	1,082,988.238	107,599.109	13,264.114	118,438.119	993,820.141	0.000	0.000	0.000	0.000
2005	7	1,385,814.029	107,599.109	0.000	332,639.741	964,907.511	0.000	0.000	0.000	0.000
2005	8	1,471,512.233	107,599.109	0.000	415,806.318	948,106.806	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2005	9	1,313,588.999	107,599.109	0.000	320,387.408	981,895.819	0.000	0.000	0.000	0.000
2005	10	1,055,381.308	107,599.109	7,924.746	142,888.402	974,558.870	0.000	0.000	0.000	0.000
2005	11	1,220,119.019	107,599.109	201,313.000	9,069.196	1,005,135.193	0.000	0.000	0.000	0.000
2005	12	1,958,148.413	107,599.109	738,865.250	1,444.546	1,110,239.507	0.000	0.000	0.000	0.000
2006	1	2,064,768.759	107,599.109	761,084.529	0.000	1,160,122.683	35,962.437	0.000	0.000	0.000
2006	2	1,649,052.150	107,599.109	578,459.101	0.000	1,024,962.390	0.000	-61,968.449	0.000	0.000
2006	3	1,647,226.437	107,599.109	636,176.460	1,194.808	983,017.536	0.000	0.000	-80,761.477	0.000
2006	4	1,240,444.298	107,599.109	331,732.512	14,445.253	967,326.080	0.000	0.000	0.000	-180,658.656
2006	5	962,113.424	107,599.109	28,257.276	25,275.962	989,710.243	0.000	0.000	0.000	0.000
2006	6	1,053,589.661	107,599.109	5,577.973	97,676.530	992,869.294	0.000	0.000	0.000	0.000
2006	7	1,296,748.896	107,599.109	0.000	239,462.909	969,019.210	0.000	0.000	0.000	0.000
2006	8	1,401,750.115	107,599.109	0.000	362,082.434	932,068.572	0.000	0.000	0.000	0.000
2006	9	1,239,805.988	107,599.109	1,316.260	240,524.728	986,659.228	0.000	0.000	0.000	0.000
2006	10	1,011,823.214	107,599.109	53,728.934	33,398.632	994,686.359	0.000	0.000	0.000	0.000
2006	11	1,287,174.617	107,599.109	288,397.691	2,244.732	991,930.564	0.000	0.000	0.000	0.000
2006	12	1,716,230.414	107,599.109	497,505.065	2,566.459	1,108,559.780	0.000	0.000	0.000	0.000
2007	1	1,847,280.303	107,599.109	550,429.687	290.972	1,152,998.098	35,962.437	0.000	0.000	0.000
2007	2	2,214,653.080	107,599.109	985,387.749	0.000	1,014,794.595	0.000	-61,968.449	0.000	0.000
2007	3	1,854,098.627	107,599.109	827,473.568	1,975.210	997,812.217	0.000	0.000	-80,761.477	0.000
2007	4	1,290,394.100	107,599.109	302,131.688	27,183.099	1,034,138.860	0.000	0.000	0.000	-180,658.656
2007	5	1,063,595.166	107,599.109	110,744.646	45,838.522	988,142.055	0.000	0.000	0.000	0.000
2007	6	1,112,842.723	107,599.109	4,627.911	164,635.323	986,113.625	0.000	0.000	0.000	0.000
2007	7	1,305,500.762	107,599.109	0.000	263,360.515	953,873.470	0.000	0.000	0.000	0.000
2007	8	1,353,303.819	107,599.109	0.000	304,042.134	941,662.576	0.000	0.000	0.000	0.000
2007	9	1,338,697.957	107,599.109	0.000	345,223.784	982,168.400	0.000	0.000	0.000	0.000
2007	10	1,077,058.276	107,599.109	9,198.468	156,304.245	981,546.274	0.000	0.000	0.000	0.000
2007	11	1,233,061.687	107,599.109	182,257.105	26,891.900	1,019,311.052	0.000	0.000	0.000	0.000
2007	12	1,779,153.743	107,599.109	555,794.696	0.000	1,115,759.938	0.000	0.000	0.000	0.000
2008	1	2,093,717.242	107,599.109	773,876.934	0.000	1,152,607.403	35,962.437	0.000	0.000	0.000
2008	2	1,927,818.163	107,599.109	842,040.532	0.000	1,016,475.612	0.000	-61,968.449	0.000	0.000
2008	3	1,767,041.836	107,599.109	716,622.604	0.000	999,910.240	0.000	0.000	-80,761.477	0.000
2008	4	1,317,503.471	107,599.109	338,012.797	1,307.859	1,027,571.004	0.000	0.000	0.000	-180,658.656
2008	5	994,725.744	107,599.109	71,660.260	16,273.406	964,250.776	0.000	0.000	0.000	0.000
2008	6	1,081,137.006	107,599.109	5,152.041	101,443.042	993,404.700	0.000	0.000	0.000	0.000
2008	7	1,284,580.430	107,599.109	0.000	208,283.178	964,359.116	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2008	8	1,328,603.810	107,599.109	0.000	247,669.066	949,664.276	0.000	0.000	0.000	0.000
2008	9	1,246,874.159	107,599.109	0.000	233,611.157	978,285.871	0.000	0.000	0.000	0.000
2008	10	1,031,099.648	107,599.109	11,955.005	88,554.970	976,909.025	0.000	0.000	0.000	0.000
2008	11	1,226,561.320	107,599.109	195,023.345	10,510.109	992,754.877	0.000	0.000	0.000	0.000
2008	12	1,800,135.671	107,599.109	553,609.376	1,655.352	1,113,600.474	0.000	0.000	0.000	0.000
2009	1	2,211,711.211	107,599.109	898,384.209	355.358	1,145,738.738	35,962.437	0.000	0.000	0.000
2009	2	1,958,950.051	107,599.109	877,156.874	39.447	1,012,451.711	0.000	-61,968.449	0.000	0.000
2009	3	1,668,647.614	107,599.109	630,498.894	1,062.936	986,576.793	0.000	0.000	-80,761.477	0.000
2009	4	1,282,686.519	107,599.109	325,867.805	11,033.665	995,173.236	0.000	0.000	0.000	-180,658.656
2009	5	1,031,018.250	107,599.109	81,998.108	36,829.727	969,649.113	0.000	0.000	0.000	0.000
2009	6	1,098,633.251	107,599.109	9,145.946	117,920.257	990,429.826	0.000	0.000	0.000	0.000
2009	7	1,322,529.108	107,599.109	46.525	247,965.886	962,578.560	0.000	0.000	0.000	0.000
2009	8	1,347,632.206	107,599.109	0.000	289,319.984	927,041.754	0.000	0.000	0.000	0.000
2009	9	1,242,532.301	107,599.109	350.273	234,572.061	972,632.836	0.000	0.000	0.000	0.000
2009	10	1,033,326.961	107,599.109	32,023.577	74,430.509	973,192.226	0.000	0.000	0.000	0.000
2009	11	1,219,726.079	107,599.109	194,274.066	10,378.436	986,800.588	0.000	0.000	0.000	0.000
2009	12	1,791,368.440	107,599.109	551,590.923	1,634.868	1,106,872.181	0.000	0.000	0.000	0.000
2010	1	2,195,991.733	107,599.109	897,082.131	351.881	1,131,324.816	35,962.437	0.000	0.000	0.000
2010	2	1,946,107.713	107,599.109	876,292.328	39.078	1,000,474.288	0.000	-61,968.449	0.000	0.000
2010	3	1,657,490.957	107,599.109	630,273.854	1,053.501	975,654.609	0.000	0.000	-80,761.477	0.000
2010	4	1,273,828.549	107,599.109	326,487.172	10,959.890	985,769.675	0.000	0.000	0.000	-180,658.656
2010	5	1,022,458.282	107,599.109	82,151.000	36,582.410	961,183.571	0.000	0.000	0.000	0.000
2010	6	1,090,043.528	107,599.109	9,162.293	117,120.969	982,623.044	0.000	0.000	0.000	0.000
2010	7	1,314,430.524	107,599.109	46.674	246,643.261	955,802.452	0.000	0.000	0.000	0.000
2010	8	1,339,432.590	107,599.109	0.000	287,828.925	920,333.197	0.000	0.000	0.000	0.000
2010	9	1,234,039.765	107,599.109	351.552	233,410.392	965,300.690	0.000	0.000	0.000	0.000
2010	10	1,025,387.288	107,599.109	32,170.355	74,130.768	965,405.516	0.000	0.000	0.000	0.000
2010	11	1,211,856.926	107,599.109	195,152.107	10,336.079	978,095.751	0.000	0.000	0.000	0.000
2010	12	1,784,049.447	107,599.109	554,240.412	1,628.582	1,096,909.985	0.000	0.000	0.000	0.000
2011	1	2,191,827.362	107,599.109	901,902.931	351.076	1,122,340.449	35,962.437	0.000	0.000	0.000
2011	2	1,943,985.252	107,599.109	881,300.881	39.002	993,343.350	0.000	-61,968.449	0.000	0.000
2011	3	1,652,221.321	107,599.109	633,073.228	1,050.171	967,588.930	0.000	0.000	-80,761.477	0.000
2011	4	1,267,115.903	107,599.109	327,828.745	10,922.095	977,753.251	0.000	0.000	0.000	-180,658.656
2011	5	1,016,011.965	107,599.109	82,517.550	36,469.579	954,483.534	0.000	0.000	0.000	0.000
2011	6	1,083,868.000	107,599.109	9,204.957	116,779.647	976,746.173	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2011	7	1,308,954.217	107,599.109	46.924	246,072.657	950,896.500	0.000	0.000	0.000	0.000
2011	8	1,333,958.740	107,599.109	0.000	287,221.777	915,466.495	0.000	0.000	0.000	0.000
2011	9	1,227,942.653	107,599.109	353.499	232,913.528	959,698.495	0.000	0.000	0.000	0.000
2011	10	1,019,339.724	107,599.109	32,362.465	73,995.613	959,300.997	0.000	0.000	0.000	0.000
2011	11	1,205,954.714	107,599.109	196,295.785	10,316.247	971,069.692	0.000	0.000	0.000	0.000
2011	12	1,778,793.252	107,599.109	557,428.740	1,625.307	1,088,468.736	0.000	0.000	0.000	0.000
2012	1	2,189,197.762	107,599.109	907,183.187	350.702	1,114,430.968	35,962.437	0.000	0.000	0.000
2012	2	1,942,213.667	107,599.109	886,329.375	38.956	986,543.317	0.000	-61,968.449	0.000	0.000
2012	3	1,649,330.951	107,599.109	636,592.092	1,048.782	961,181.085	0.000	0.000	-80,761.477	0.000
2012	4	1,262,756.925	107,599.109	329,596.387	10,906.002	971,642.725	0.000	0.000	0.000	-180,658.656
2012	5	1,010,989.988	107,599.109	82,953.218	36,412.280	949,083.189	0.000	0.000	0.000	0.000
2012	6	1,078,911.302	107,599.109	9,252.508	116,584.590	971,936.981	0.000	0.000	0.000	0.000
2012	7	1,303,899.626	107,599.109	47.152	245,590.042	946,324.296	0.000	0.000	0.000	0.000
2012	8	1,328,642.053	107,599.109	0.000	286,641.657	910,729.927	0.000	0.000	0.000	0.000
2012	9	1,221,944.342	107,599.109	355.174	232,429.850	954,182.186	0.000	0.000	0.000	0.000
2012	10	1,012,881.657	107,599.109	32,506.302	73,820.659	952,874.046	0.000	0.000	0.000	0.000
2012	11	1,199,512.680	107,599.109	197,158.414	10,291.398	963,789.879	0.000	0.000	0.000	0.000
2012	12	1,772,551.655	107,599.109	559,852.314	1,621.324	1,079,807.549	0.000	0.000	0.000	0.000
2013	1	2,186,142.767	107,599.109	910,789.050	350.059	1,107,770.752	35,962.437	0.000	0.000	0.000
2013	2	1,939,760.688	107,599.109	889,651.129	38.877	980,768.663	0.000	-61,968.449	0.000	0.000
2013	3	1,646,073.212	107,599.109	638,829.704	1,046.479	955,688.038	0.000	0.000	-80,761.477	0.000
2013	4	1,258,190.561	107,599.109	330,567.097	10,876.384	966,135.268	0.000	0.000	0.000	-180,658.656
2013	5	1,006,124.470	107,599.109	83,179.074	36,307.070	944,097.024	0.000	0.000	0.000	0.000
2013	6	1,073,966.417	107,599.109	9,275.424	116,225.351	967,328.419	0.000	0.000	0.000	0.000
2013	7	1,298,503.033	107,599.109	47.245	244,725.788	941,791.864	0.000	0.000	0.000	0.000
2013	8	1,322,908.031	107,599.109	0.000	285,584.529	906,053.034	0.000	0.000	0.000	0.000
2013	9	1,215,651.815	107,599.109	355.730	231,536.838	948,782.116	0.000	0.000	0.000	0.000
2013	10	1,006,409.201	107,599.109	32,544.981	73,513.499	946,670.073	0.000	0.000	0.000	0.000
2013	11	1,192,714.213	107,599.109	197,357.981	10,247.183	956,836.060	0.000	0.000	0.000	0.000
2013	12	1,764,711.120	107,599.109	560,310.043	1,614.117	1,071,516.492	0.000	0.000	0.000	0.000
2014	1	2,177,989.636	107,599.109	911,404.256	348.844	1,099,003.630	35,962.437	0.000	0.000	0.000
2014	2	1,932,942.739	107,599.109	890,276.291	38.743	973,325.687	0.000	-61,968.449	0.000	0.000
2014	3	1,639,616.275	107,599.109	639,299.639	1,042.907	948,764.738	0.000	0.000	-80,761.477	0.000
2014	4	1,251,730.237	107,599.109	330,781.594	10,838.294	959,498.538	0.000	0.000	0.000	-180,658.656
2014	5	1,000,170.297	107,599.109	83,236.253	36,181.172	938,211.571	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2014	6	1,068,285.288	107,599.109	9,282.278	115,827.494	962,038.294	0.000	0.000	0.000	0.000
2014	7	1,292,763.159	107,599.109	47.279	243,881.438	936,896.306	0.000	0.000	0.000	0.000
2014	8	1,317,050.935	107,599.109	0.000	284,612.545	901,167.922	0.000	0.000	0.000	0.000
2014	9	1,209,359.637	107,599.109	356.024	230,759.622	943,266.859	0.000	0.000	0.000	0.000
2014	10	1,000,029.862	107,599.109	32,571.196	73,264.427	940,513.590	0.000	0.000	0.000	0.000
2014	11	1,186,035.807	107,599.109	197,526.742	10,212.903	950,023.174	0.000	0.000	0.000	0.000
2014	12	1,757,217.632	107,599.109	560,818.892	1,608.791	1,063,519.481	0.000	0.000	0.000	0.000
2015	1	2,173,540.794	107,599.109	912,165.755	348.056	1,093,794.077	35,962.437	0.000	0.000	0.000
2015	2	1,929,340.045	107,599.109	891,042.337	38.657	968,957.032	0.000	-61,968.449	0.000	0.000
2015	3	1,636,175.630	107,599.109	639,866.196	1,040.603	944,759.839	0.000	0.000	-80,761.477	0.000
2015	4	1,248,245.211	107,599.109	331,064.588	10,814.030	955,754.781	0.000	0.000	0.000	-180,658.656
2015	5	996,942.554	107,599.109	83,309.580	36,101.127	934,990.546	0.000	0.000	0.000	0.000
2015	6	1,065,267.180	107,599.109	9,290.683	115,574.319	959,264.955	0.000	0.000	0.000	0.000
2015	7	1,289,714.710	107,599.109	47.320	243,337.033	934,392.221	0.000	0.000	0.000	0.000
2015	8	1,313,893.537	107,599.109	0.000	283,984.564	898,638.505	0.000	0.000	0.000	0.000
2015	9	1,205,909.192	107,599.109	356.344	230,256.225	940,319.492	0.000	0.000	0.000	0.000
2015	10	996,477.947	107,599.109	32,599.907	73,103.903	937,093.488	0.000	0.000	0.000	0.000
2015	11	1,182,291.157	107,599.109	197,704.744	10,190.789	946,122.635	0.000	0.000	0.000	0.000
2015	12	1,753,060.416	107,599.109	561,336.009	1,605.351	1,058,848.588	0.000	0.000	0.000	0.000
2016	1	2,171,398.547	107,599.109	913,011.834	347.737	1,090,806.071	35,962.437	0.000	0.000	0.000
2016	2	1,927,790.598	107,599.109	891,912.186	38.623	966,537.769	0.000	-61,968.449	0.000	0.000
2016	3	1,634,707.900	107,599.109	640,522.819	1,039.750	942,636.339	0.000	0.000	-80,761.477	0.000
2016	4	1,246,787.595	107,599.109	331,429.487	10,805.968	953,940.329	0.000	0.000	0.000	-180,658.656
2016	5	995,622.874	107,599.109	83,405.681	36,075.962	933,599.929	0.000	0.000	0.000	0.000
2016	6	1,064,238.034	107,599.109	9,301.963	115,500.164	958,298.685	0.000	0.000	0.000	0.000
2016	7	1,288,919.153	107,599.109	47.382	243,202.802	933,730.833	0.000	0.000	0.000	0.000
2016	8	1,313,047.763	107,599.109	0.000	283,844.215	897,933.080	0.000	0.000	0.000	0.000
2016	9	1,204,840.942	107,599.109	356.857	230,155.601	939,351.353	0.000	0.000	0.000	0.000
2016	10	995,200.127	107,599.109	32,649.646	73,077.706	935,792.126	0.000	0.000	0.000	0.000
2016	11	1,180,936.622	107,599.109	198,019.563	10,187.737	944,456.333	0.000	0.000	0.000	0.000
2016	12	1,751,884.968	107,599.109	562,269.172	1,604.969	1,056,740.359	0.000	0.000	0.000	0.000
2017	1	2,169,180.484	107,599.109	914,031.236	347.932	1,087,568.411	35,962.437	0.000	0.000	0.000
2017	2	1,926,207.629	107,599.109	892,955.737	38.647	963,911.227	0.000	-61,968.449	0.000	0.000
2017	3	1,633,186.510	107,599.109	641,311.093	1,040.434	940,325.992	0.000	0.000	-80,761.477	0.000
2017	4	1,245,211.854	107,599.109	331,848.578	10,813.321	951,938.143	0.000	0.000	0.000	-180,658.656

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2017	5	994,217.649	107,599.109	83,515.936	36,102.220	932,058.192	0.000	0.000	0.000	0.000
2017	6	1,063,257.346	107,599.109	9,314.762	115,589.348	957,216.013	0.000	0.000	0.000	0.000
2017	7	1,288,273.535	107,599.109	47.447	243,389.295	932,898.656	0.000	0.000	0.000	0.000
2017	8	1,312,383.285	107,599.109	0.000	284,073.607	897,039.209	0.000	0.000	0.000	0.000
2017	9	1,203,829.878	107,599.109	357.386	230,350.889	938,144.473	0.000	0.000	0.000	0.000
2017	10	993,653.362	107,599.109	32,697.699	73,138.154	934,136.860	0.000	0.000	0.000	0.000
2017	11	1,179,176.330	107,599.109	198,320.393	10,196.534	942,386.413	0.000	0.000	0.000	0.000
2017	12	1,750,175.760	107,599.109	563,149.224	1,606.410	1,054,149.657	0.000	0.000	0.000	0.000
2018	1	2,168,724.230	107,599.109	915,598.266	348.613	1,085,544.446	35,962.437	0.000	0.000	0.000
2018	2	1,926,196.418	107,599.109	894,515.061	38.723	962,340.615	0.000	-61,968.449	0.000	0.000
2018	3	1,633,024.193	107,599.109	642,450.748	1,042.518	939,021.936	0.000	0.000	-80,761.477	0.000
2018	4	1,244,746.508	107,599.109	332,424.502	10,834.445	950,875.749	0.000	0.000	0.000	-180,658.656
2018	5	993,788.360	107,599.109	83,663.028	36,173.403	931,410.627	0.000	0.000	0.000	0.000
2018	6	1,063,315.501	107,599.109	9,331.426	115,819.526	957,027.327	0.000	0.000	0.000	0.000
2018	7	1,288,763.335	107,599.109	47.531	243,865.403	932,912.265	0.000	0.000	0.000	0.000
2018	8	1,312,862.796	107,599.109	0.000	284,637.273	896,955.055	0.000	0.000	0.000	0.000
2018	9	1,203,926.646	107,599.109	358.044	230,814.408	937,777.063	0.000	0.000	0.000	0.000
2018	10	993,058.305	107,599.109	32,757.753	73,284.071	933,335.832	0.000	0.000	0.000	0.000
2018	11	1,178,365.769	107,599.109	198,694.064	10,217.225	941,181.490	0.000	0.000	0.000	0.000
2018	12	1,749,643.117	107,599.109	564,236.959	1,609.724	1,052,525.965	0.000	0.000	0.000	0.000
2019	1	2,169,444.876	107,599.109	917,460.856	349.621	1,084,401.494	35,962.437	0.000	0.000	0.000
2019	2	1,927,268.417	107,599.109	896,373.523	38.836	961,554.038	0.000	-61,968.449	0.000	0.000
2019	3	1,633,852.847	107,599.109	643,812.997	1,045.595	938,485.264	0.000	0.000	-80,761.477	0.000
2019	4	1,245,251.942	107,599.109	333,133.522	10,866.427	950,640.180	0.000	0.000	0.000	-180,658.656
2019	5	994,238.116	107,599.109	83,844.598	36,281.107	931,571.110	0.000	0.000	0.000	0.000
2019	6	1,064,314.150	107,599.109	9,351.927	116,166.364	957,658.636	0.000	0.000	0.000	0.000
2019	7	1,290,344.499	107,599.109	47.636	244,596.635	933,762.092	0.000	0.000	0.000	0.000
2019	8	1,314,433.287	107,599.109	0.000	285,493.859	897,668.960	0.000	0.000	0.000	0.000
2019	9	1,205,084.696	107,599.109	358.848	231,511.570	938,237.146	0.000	0.000	0.000	0.000
2019	10	993,402.319	107,599.109	32,831.593	73,505.481	933,384.596	0.000	0.000	0.000	0.000
2019	11	1,178,489.233	107,599.109	199,144.922	10,248.170	940,823.152	0.000	0.000	0.000	0.000
2019	12	1,750,235.864	107,599.109	565,522.528	1,614.604	1,051,828.263	0.000	0.000	0.000	0.000
2020	1	2,171,659.033	107,599.109	919,795.430	350.519	1,084,280.179	35,962.437	0.000	0.000	0.000
2020	2	1,929,672.448	107,599.109	898,673.663	38.937	961,657.829	0.000	-61,968.449	0.000	0.000
2020	3	1,635,830.100	107,599.109	645,473.483	1,048.306	938,799.320	0.000	0.000	-80,761.477	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2020	4	1,246,767.894	107,599.109	333,999.038	10,894.774	951,262.270	0.000	0.000	0.000	-180,658.656
2020	5	995,525.530	107,599.109	84,063.101	36,375.953	932,545.174	0.000	0.000	0.000	0.000
2020	6	1,066,084.927	107,599.109	9,376.382	116,470.837	959,100.485	0.000	0.000	0.000	0.000
2020	7	1,292,626.471	107,599.109	47.761	245,239.801	935,400.772	0.000	0.000	0.000	0.000
2020	8	1,316,666.267	107,599.109	0.000	286,246.323	899,149.476	0.000	0.000	0.000	0.000
2020	9	1,206,952.212	107,599.109	359.794	232,122.783	939,492.504	0.000	0.000	0.000	0.000
2020	10	994,504.370	107,599.109	32,918.467	73,700.263	934,204.991	0.000	0.000	0.000	0.000
2020	11	1,179,462.791	107,599.109	199,672.463	10,275.372	941,241.967	0.000	0.000	0.000	0.000
2020	12	1,751,892.332	107,599.109	567,020.620	1,618.894	1,051,982.350	0.000	0.000	0.000	0.000
2021	1	2,176,645.168	107,599.109	922,582.663	351.835	1,086,477.764	35,962.437	0.000	0.000	0.000
2021	2	1,934,522.279	107,599.109	901,423.214	39.084	963,757.962	0.000	-61,968.449	0.000	0.000
2021	3	1,640,037.486	107,599.109	647,468.614	1,052.295	941,007.585	0.000	0.000	-80,761.477	0.000
2021	4	1,250,325.028	107,599.109	335,049.053	10,936.762	953,727.401	0.000	0.000	0.000	-180,658.656
2021	5	998,597.027	107,599.109	84,330.338	36,517.240	935,208.147	0.000	0.000	0.000	0.000
2021	6	1,069,596.322	107,599.109	9,406.540	116,926.924	962,125.635	0.000	0.000	0.000	0.000
2021	7	1,296,768.470	107,599.109	47.918	246,219.020	938,563.395	0.000	0.000	0.000	0.000
2021	8	1,320,826.573	107,599.109	0.000	287,396.392	902,159.712	0.000	0.000	0.000	0.000
2021	9	1,210,864.947	107,599.109	361.000	233,060.523	942,466.293	0.000	0.000	0.000	0.000
2021	10	997,642.984	107,599.109	33,031.898	74,004.779	936,925.659	0.000	0.000	0.000	0.000
2021	11	1,182,681.969	107,599.109	200,363.912	10,317.993	943,727.074	0.000	0.000	0.000	0.000
2021	12	1,756,434.492	107,599.109	568,995.925	1,625.640	1,054,542.459	0.000	0.000	0.000	0.000
2022	1	2,183,895.562	107,599.109	925,712.574	353.600	1,090,596.483	35,962.437	0.000	0.000	0.000
2022	2	1,941,364.748	107,599.109	904,493.806	39.280	967,529.643	0.000	-61,968.449	0.000	0.000
2022	3	1,646,066.228	107,599.109	649,683.908	1,057.603	944,815.724	0.000	0.000	-80,761.477	0.000
2022	4	1,255,623.419	107,599.109	336,219.438	10,992.704	957,799.466	0.000	0.000	0.000	-180,658.656
2022	5	1,003,258.551	107,599.109	84,626.282	36,704.576	939,386.391	0.000	0.000	0.000	0.000
2022	6	1,074,741.166	107,599.109	9,439.741	117,528.917	966,635.286	0.000	0.000	0.000	0.000
2022	7	1,302,626.705	107,599.109	48.090	247,496.632	943,143.847	0.000	0.000	0.000	0.000
2022	8	1,326,712.286	107,599.109	0.000	288,892.623	906,549.195	0.000	0.000	0.000	0.000
2022	9	1,216,530.125	107,599.109	362.302	234,277.377	946,913.315	0.000	0.000	0.000	0.000
2022	10	1,002,323.360	107,599.109	33,150.920	74,390.829	941,100.963	0.000	0.000	0.000	0.000
2022	11	1,187,458.628	107,599.109	201,088.891	10,371.972	947,724.776	0.000	0.000	0.000	0.000
2022	12	1,762,782.632	107,599.109	571,064.891	1,634.172	1,058,813.101	0.000	0.000	0.000	0.000
2023	1	2,192,103.182	107,599.109	928,899.930	355.639	1,095,614.708	35,962.437	0.000	0.000	0.000
2023	2	1,949,039.185	107,599.109	907,613.715	39.507	972,083.944	0.000	-61,968.449	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2023	3	1,652,876.548	107,599.109	651,930.551	1,063.720	949,373.286	0.000	0.000	-80,761.477	0.000
2023	4	1,261,577.203	107,599.109	337,364.152	11,055.685	962,545.554	0.000	0.000	0.000	-180,658.656
2023	5	1,008,574.781	107,599.109	84,915.644	36,915.370	944,202.466	0.000	0.000	0.000	0.000
2023	6	1,080,587.029	107,599.109	9,472.195	118,205.835	971,771.776	0.000	0.000	0.000	0.000
2023	7	1,309,175.561	107,599.109	48.253	248,909.886	948,279.285	0.000	0.000	0.000	0.000
2023	8	1,333,302.948	107,599.109	0.000	290,548.030	911,484.449	0.000	0.000	0.000	0.000
2023	9	1,222,916.149	107,599.109	363.548	235,624.618	951,950.850	0.000	0.000	0.000	0.000
2023	10	1,007,643.060	107,599.109	33,264.259	74,816.636	945,881.517	0.000	0.000	0.000	0.000
2023	11	1,192,848.729	107,599.109	201,782.317	10,431.590	952,361.833	0.000	0.000	0.000	0.000
2023	12	1,769,785.087	107,599.109	573,052.971	1,643.609	1,063,818.038	0.000	0.000	0.000	0.000
2024	1	2,201,088.006	107,599.109	932,024.473	357.870	1,101,472.757	35,962.437	0.000	0.000	0.000
2024	2	1,957,392.515	107,599.109	910,671.165	39.755	977,379.576	0.000	-61,968.449	0.000	0.000
2024	3	1,660,357.186	107,599.109	654,128.969	1,070.401	954,648.825	0.000	0.000	-80,761.477	0.000
2024	4	1,268,292.665	107,599.109	338,500.008	11,125.051	968,055.794	0.000	0.000	0.000	-180,658.656
2024	5	1,014,644.853	107,599.109	85,201.788	37,147.060	949,754.704	0.000	0.000	0.000	0.000
2024	6	1,087,234.929	107,599.109	9,504.111	118,947.645	977,645.950	0.000	0.000	0.000	0.000
2024	7	1,316,636.814	107,599.109	48.415	250,472.742	954,177.520	0.000	0.000	0.000	0.000
2024	8	1,340,786.757	107,599.109	0.000	292,371.855	917,144.434	0.000	0.000	0.000	0.000
2024	9	1,230,179.047	107,599.109	364.774	237,103.520	957,733.622	0.000	0.000	0.000	0.000
2024	10	1,013,782.542	107,599.109	33,376.740	75,287.030	951,438.124	0.000	0.000	0.000	0.000
2024	11	1,198,999.658	107,599.109	202,464.257	10,497.153	957,765.260	0.000	0.000	0.000	0.000
2024	12	1,777,563.229	107,599.109	574,987.183	1,653.932	1,069,651.646	0.000	0.000	0.000	0.000
2025	1	2,210,057.834	107,599.109	935,187.212	360.279	1,107,277.438	35,962.437	0.000	0.000	0.000
2025	2	1,965,719.755	107,599.109	913,759.016	40.023	982,618.697	0.000	-61,968.449	0.000	0.000
2025	3	1,667,790.365	107,599.109	656,344.413	1,077.599	959,859.361	0.000	0.000	-80,761.477	0.000
2025	4	1,274,948.465	107,599.109	339,640.806	11,199.689	973,496.158	0.000	0.000	0.000	-180,658.656
2025	5	1,020,651.629	107,599.109	85,488.527	37,396.126	955,225.675	0.000	0.000	0.000	0.000
2025	6	1,093,840.981	107,599.109	9,536.024	119,744.379	983,423.355	0.000	0.000	0.000	0.000
2025	7	1,324,070.403	107,599.109	48.576	252,137.786	959,945.905	0.000	0.000	0.000	0.000
2025	8	1,348,261.399	107,599.109	0.000	294,313.329	922,677.601	0.000	0.000	0.000	0.000
2025	9	1,237,401.902	107,599.109	365.974	238,676.591	963,382.205	0.000	0.000	0.000	0.000
2025	10	1,019,745.361	107,599.109	33,483.696	75,780.041	956,800.975	0.000	0.000	0.000	0.000
2025	11	1,204,928.503	107,599.109	203,111.673	10,565.826	962,978.014	0.000	0.000	0.000	0.000
2025	12	1,785,030.732	107,599.109	576,820.709	1,664.739	1,075,274.816	0.000	0.000	0.000	0.000
2026	1	2,219,288.370	107,599.109	938,126.893	362.737	1,113,565.835	35,962.437	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2026	2	1,974,259.832	107,599.109	916,628.993	40.296	988,288.524	0.000	-61,968.449	0.000	0.000
2026	3	1,675,488.830	107,599.109	658,403.343	1,084.943	965,491.552	0.000	0.000	-80,761.477	0.000
2026	4	1,281,865.317	107,599.109	340,674.014	11,274.945	979,304.546	0.000	0.000	0.000	-180,658.656
2026	5	1,026,998.797	107,599.109	85,748.316	37,647.284	961,061.896	0.000	0.000	0.000	0.000
2026	6	1,100,831.516	107,599.109	9,564.948	120,547.943	989,581.403	0.000	0.000	0.000	0.000
2026	7	1,331,867.204	107,599.109	48.719	253,811.264	966,069.084	0.000	0.000	0.000	0.000
2026	8	1,356,089.761	107,599.109	0.000	296,265.044	928,554.249	0.000	0.000	0.000	0.000
2026	9	1,244,988.113	107,599.109	367.053	240,258.189	969,385.739	0.000	0.000	0.000	0.000
2026	10	1,026,081.258	107,599.109	33,580.777	76,278.546	962,541.287	0.000	0.000	0.000	0.000
2026	11	1,211,173.682	107,599.109	203,699.409	10,635.274	968,566.010	0.000	0.000	0.000	0.000
2026	12	1,792,742.698	107,599.109	578,485.458	1,675.669	1,081,311.102	0.000	0.000	0.000	0.000
2027	1	2,228,459.168	107,599.109	940,887.335	365.250	1,119,973.678	35,962.437	0.000	0.000	0.000
2027	2	1,982,738.837	107,599.109	919,327.565	40.575	994,068.677	0.000	-61,968.449	0.000	0.000
2027	3	1,683,178.778	107,599.109	660,342.139	1,092.460	971,235.188	0.000	0.000	-80,761.477	0.000
2027	4	1,288,939.138	107,599.109	341,678.948	11,353.110	985,295.267	0.000	0.000	0.000	-180,658.656
2027	5	1,033,533.816	107,599.109	86,001.431	37,908.330	967,082.752	0.000	0.000	0.000	0.000
2027	6	1,108,051.228	107,599.109	9,593.188	121,383.838	995,936.980	0.000	0.000	0.000	0.000
2027	7	1,340,000.721	107,599.109	48.864	255,573.626	972,440.095	0.000	0.000	0.000	0.000
2027	8	1,364,265.465	107,599.109	0.000	298,322.155	934,672.842	0.000	0.000	0.000	0.000
2027	9	1,252,914.916	107,599.109	368.141	241,926.513	975,643.130	0.000	0.000	0.000	0.000
2027	10	1,032,740.259	107,599.109	33,680.978	76,809.700	968,568.932	0.000	0.000	0.000	0.000
2027	11	1,217,735.390	107,599.109	204,307.431	10,709.334	974,445.636	0.000	0.000	0.000	0.000
2027	12	1,800,847.899	107,599.109	580,212.293	1,687.337	1,087,677.801	0.000	0.000	0.000	0.000
2028	1	2,238,179.053	107,599.109	943,678.113	367.814	1,126,900.221	35,962.437	0.000	0.000	0.000
2028	2	1,991,741.410	107,599.109	922,075.238	40.860	1,000,323.292	0.000	-61,968.449	0.000	0.000
2028	3	1,691,396.389	107,599.109	662,330.732	1,100.168	977,456.497	0.000	0.000	-80,761.477	0.000
2028	4	1,296,573.175	107,599.109	342,727.746	11,433.829	991,799.788	0.000	0.000	0.000	-180,658.656
2028	5	1,040,609.172	107,599.109	86,267.529	38,178.601	973,621.741	0.000	0.000	0.000	0.000
2028	6	1,115,853.298	107,599.109	9,623.123	122,251.804	1,002,841.148	0.000	0.000	0.000	0.000
2028	7	1,348,768.879	107,599.109	49.019	257,412.787	979,368.937	0.000	0.000	0.000	0.000
2028	8	1,373,085.918	107,599.109	0.000	300,474.935	941,340.514	0.000	0.000	0.000	0.000
2028	9	1,261,511.407	107,599.109	369.327	243,676.944	982,488.004	0.000	0.000	0.000	0.000
2028	10	1,040,041.587	107,599.109	33,791.155	77,368.852	975,200.931	0.000	0.000	0.000	0.000
2028	11	1,224,986.255	107,599.109	204,980.602	10,787.494	980,945.170	0.000	0.000	0.000	0.000
2028	12	1,809,860.133	107,599.109	582,138.736	1,699.686	1,094,751.243	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2029	1	2,248,191.693	107,599.109	946,879.085	370.555	1,133,709.148	35,962.437	0.000	0.000	0.000
2029	2	2,001,044.907	107,599.109	925,230.338	41.166	1,006,471.385	0.000	-61,968.449	0.000	0.000
2029	3	1,699,805.700	107,599.109	664,616.862	1,108.420	983,571.425	0.000	0.000	-80,761.477	0.000
2029	4	1,304,233.704	107,599.109	343,922.818	11,519.917	998,179.157	0.000	0.000	0.000	-180,658.656
2029	5	1,047,612.069	107,599.109	86,571.103	38,467.028	980,032.637	0.000	0.000	0.000	0.000
2029	6	1,123,580.297	107,599.109	9,657.318	123,178.691	1,009,607.065	0.000	0.000	0.000	0.000
2029	7	1,357,518.443	107,599.109	49.195	259,376.338	986,154.773	0.000	0.000	0.000	0.000
2029	8	1,381,919.277	107,599.109	0.000	302,774.754	947,874.055	0.000	0.000	0.000	0.000
2029	9	1,270,101.366	107,599.109	370.683	245,548.041	989,205.510	0.000	0.000	0.000	0.000
2029	10	1,047,283.918	107,599.109	33,917.127	77,966.605	981,719.538	0.000	0.000	0.000	0.000
2029	11	1,232,240.879	107,599.109	205,751.175	10,871.098	987,345.616	0.000	0.000	0.000	0.000
2029	12	1,819,060.457	107,599.109	584,346.657	1,712.902	1,101,730.429	0.000	0.000	0.000	0.000
2030	1	2,259,881.141	107,599.109	950,598.880	373.479	1,141,675.875	35,962.437	0.000	0.000	0.000
2030	2	2,011,868.107	107,599.109	928,891.538	41.492	1,013,633.058	0.000	-61,968.449	0.000	0.000
2030	3	1,709,554.863	107,599.109	667,265.638	1,117.216	990,663.017	0.000	0.000	-80,761.477	0.000
2030	4	1,313,060.323	107,599.109	345,307.310	11,611.722	1,005,529.479	0.000	0.000	0.000	-180,658.656
2030	5	1,055,606.700	107,599.109	86,922.222	38,774.491	987,368.685	0.000	0.000	0.000	0.000
2030	6	1,132,288.852	107,599.109	9,696.794	124,166.298	1,017,288.538	0.000	0.000	0.000	0.000
2030	7	1,367,262.615	107,599.109	49.398	261,464.022	993,811.058	0.000	0.000	0.000	0.000
2030	8	1,391,742.623	107,599.109	0.000	305,219.006	955,253.149	0.000	0.000	0.000	0.000
2030	9	1,279,713.068	107,599.109	372.235	247,535.919	996,827.782	0.000	0.000	0.000	0.000
2030	10	1,055,474.429	107,599.109	34,060.083	78,599.435	989,134.262	0.000	0.000	0.000	0.000
2030	11	1,240,531.211	107,599.109	206,624.529	10,959.589	994,674.104	0.000	0.000	0.000	0.000
2030	12	1,829,600.869	107,599.109	586,845.328	1,726.887	1,109,758.186	0.000	0.000	0.000	0.000
2031	1	2,271,364.513	107,599.109	954,953.348	376.470	1,148,801.790	35,962.437	0.000	0.000	0.000
2031	2	2,022,547.646	107,599.109	933,157.588	41.824	1,020,046.215	0.000	-61,968.449	0.000	0.000
2031	3	1,718,992.647	107,599.109	670,337.121	1,126.180	997,020.354	0.000	0.000	-80,761.477	0.000
2031	4	1,321,338.299	107,599.109	346,900.196	11,704.969	1,012,121.322	0.000	0.000	0.000	-180,658.656
2031	5	1,062,919.865	107,599.109	87,324.224	39,086.209	993,968.130	0.000	0.000	0.000	0.000
2031	6	1,140,268.018	107,599.109	9,741.736	125,165.369	1,024,223.690	0.000	0.000	0.000	0.000
2031	7	1,376,282.225	107,599.109	49.628	263,570.952	1,000,723.509	0.000	0.000	0.000	0.000
2031	8	1,400,848.836	107,599.109	0.000	307,680.371	961,897.997	0.000	0.000	0.000	0.000
2031	9	1,288,542.855	107,599.109	373.973	249,533.655	1,003,658.096	0.000	0.000	0.000	0.000
2031	10	1,062,886.987	107,599.109	34,219.913	79,235.541	995,750.884	0.000	0.000	0.000	0.000
2031	11	1,248,087.969	107,599.109	207,595.775	11,048.341	1,001,170.864	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2031	12	1,839,455.537	107,599.109	589,607.677	1,740.878	1,116,836.514	0.000	0.000	0.000	0.000
2032	1	2,283,294.202	107,599.109	959,512.978	379.544	1,156,168.774	35,962.437	0.000	0.000	0.000
2032	2	2,033,627.905	107,599.109	937,615.059	42.166	1,026,668.661	0.000	-61,968.449	0.000	0.000
2032	3	1,728,761.204	107,599.109	673,539.350	1,135.376	1,003,577.487	0.000	0.000	-80,761.477	0.000
2032	4	1,329,934.448	107,599.109	348,575.400	11,801.145	1,018,946.091	0.000	0.000	0.000	-180,658.656
2032	5	1,070,485.035	107,599.109	87,745.935	39,407.348	1,000,790.450	0.000	0.000	0.000	0.000
2032	6	1,148,501.240	107,599.109	9,788.754	126,193.361	1,031,381.902	0.000	0.000	0.000	0.000
2032	7	1,385,616.724	107,599.109	49.870	265,746.428	1,007,882.291	0.000	0.000	0.000	0.000
2032	8	1,410,260.945	107,599.109	0.000	310,218.572	968,771.906	0.000	0.000	0.000	0.000
2032	9	1,297,663.522	107,599.109	375.790	251,591.264	1,010,719.336	0.000	0.000	0.000	0.000
2032	10	1,070,576.513	107,599.109	34,387.690	79,892.412	1,002,615.761	0.000	0.000	0.000	0.000
2032	11	1,255,933.027	107,599.109	208,612.516	11,139.876	1,007,907.646	0.000	0.000	0.000	0.000
2032	12	1,849,688.349	107,599.109	592,491.076	1,755.289	1,124,171.515	0.000	0.000	0.000	0.000
2033	1	2,295,697.085	107,599.109	964,272.421	382.709	1,163,809.049	35,962.437	0.000	0.000	0.000
2033	2	2,045,144.038	107,599.109	942,266.394	42.517	1,033,533.108	0.000	-61,968.449	0.000	0.000
2033	3	1,738,904.625	107,599.109	676,880.068	1,144.842	1,010,370.725	0.000	0.000	-80,761.477	0.000
2033	4	1,338,846.847	107,599.109	350,319.239	11,900.030	1,026,015.766	0.000	0.000	0.000	-180,658.656
2033	5	1,078,317.025	107,599.109	88,184.863	39,737.504	1,007,853.357	0.000	0.000	0.000	0.000
2033	6	1,157,013.845	107,599.109	9,837.695	127,250.230	1,038,788.697	0.000	0.000	0.000	0.000
2033	7	1,395,266.124	107,599.109	50.122	267,986.417	1,015,291.449	0.000	0.000	0.000	0.000
2033	8	1,419,987.792	107,599.109	0.000	312,832.042	975,885.282	0.000	0.000	0.000	0.000
2033	9	1,307,092.736	107,599.109	377.686	253,709.830	1,018,028.088	0.000	0.000	0.000	0.000
2033	10	1,078,536.734	107,599.109	34,563.104	80,569.530	1,009,723.451	0.000	0.000	0.000	0.000
2033	11	1,264,068.329	107,599.109	209,675.618	11,234.231	1,014,885.490	0.000	0.000	0.000	0.000
2033	12	1,860,320.080	107,599.109	595,506.739	1,770.145	1,131,772.727	0.000	0.000	0.000	0.000
2034	1	2,308,628.846	107,599.109	969,276.431	385.980	1,171,733.529	35,962.437	0.000	0.000	0.000
2034	2	2,057,154.781	107,599.109	947,159.180	42.881	1,040,650.701	0.000	-61,968.449	0.000	0.000
2034	3	1,749,472.681	107,599.109	680,396.434	1,154.627	1,017,412.628	0.000	0.000	-80,761.477	0.000
2034	4	1,348,123.258	107,599.109	352,164.137	12,002.577	1,033,344.733	0.000	0.000	0.000	-180,658.656
2034	5	1,086,443.394	107,599.109	88,649.570	40,080.008	1,015,172.515	0.000	0.000	0.000	0.000
2034	6	1,165,836.045	107,599.109	9,889.566	128,347.184	1,046,462.073	0.000	0.000	0.000	0.000
2034	7	1,405,261.445	107,599.109	50.390	270,315.230	1,022,957.690	0.000	0.000	0.000	0.000
2034	8	1,430,066.464	107,599.109	0.000	315,550.281	983,245.715	0.000	0.000	0.000	0.000
2034	9	1,316,864.698	107,599.109	379.705	255,914.163	1,025,593.699	0.000	0.000	0.000	0.000
2034	10	1,086,795.169	107,599.109	34,750.684	81,276.027	1,017,087.810	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2034	11	1,272,537.132	107,599.109	210,813.216	11,332.706	1,022,118.221	0.000	0.000	0.000	0.000
2034	12	1,871,448.719	107,599.109	598,736.809	1,785.656	1,139,655.785	0.000	0.000	0.000	0.000
2035	1	2,322,180.709	107,599.109	974,635.063	389.393	1,179,923.347	35,962.437	0.000	0.000	0.000
2035	2	2,069,730.718	107,599.109	952,390.680	43.260	1,047,994.759	0.000	-61,968.449	0.000	0.000
2035	3	1,760,491.653	107,599.109	684,150.591	1,164.824	1,024,667.247	0.000	0.000	-80,761.477	0.000
2035	4	1,357,712.686	107,599.109	354,128.636	12,109.300	1,040,862.938	0.000	0.000	0.000	-180,658.656
2035	5	1,094,788.263	107,599.109	89,143.550	40,436.100	1,022,667.311	0.000	0.000	0.000	0.000
2035	6	1,174,874.113	107,599.109	9,944.608	129,486.498	1,054,305.784	0.000	0.000	0.000	0.000
2035	7	1,415,484.432	107,599.109	50.672	272,728.059	1,030,767.565	0.000	0.000	0.000	0.000
2035	8	1,440,368.022	107,599.109	0.000	318,363.801	990,733.753	0.000	0.000	0.000	0.000
2035	9	1,326,833.824	107,599.109	381.831	258,193.591	1,033,281.270	0.000	0.000	0.000	0.000
2035	10	1,095,154.945	107,599.109	34,946.364	82,002.445	1,024,525.487	0.000	0.000	0.000	0.000
2035	11	1,281,119.312	107,599.109	211,998.347	11,433.874	1,029,414.102	0.000	0.000	0.000	0.000
2035	12	1,882,766.711	107,599.109	602,097.264	1,801.578	1,147,597.401	0.000	0.000	0.000	0.000
2036	1	2,335,957.525	107,599.109	980,177.062	392.885	1,188,154.672	35,962.437	0.000	0.000	0.000
2036	2	2,082,509.153	107,599.109	957,795.089	43.647	1,055,368.398	0.000	-61,968.449	0.000	0.000
2036	3	1,771,652.827	107,599.109	688,024.536	1,175.238	1,031,944.062	0.000	0.000	-80,761.477	0.000
2036	4	1,367,367.767	107,599.109	356,145.180	12,217.944	1,048,392.830	0.000	0.000	0.000	-180,658.656
2036	5	1,103,158.105	107,599.109	89,650.124	40,798.395	1,030,168.285	0.000	0.000	0.000	0.000
2036	6	1,183,933.560	107,599.109	10,000.996	130,644.976	1,062,150.366	0.000	0.000	0.000	0.000
2036	7	1,425,742.456	107,599.109	50.961	275,174.959	1,038,578.400	0.000	0.000	0.000	0.000
2036	8	1,450,705.069	107,599.109	0.000	321,215.873	998,218.728	0.000	0.000	0.000	0.000
2036	9	1,336,825.428	107,599.109	383.997	260,503.347	1,040,960.953	0.000	0.000	0.000	0.000
2036	10	1,103,556.160	107,599.109	35,145.765	82,738.882	1,031,990.864	0.000	0.000	0.000	0.000
2036	11	1,289,748.564	107,599.109	213,205.379	11,536.411	1,036,733.785	0.000	0.000	0.000	0.000
2036	12	1,894,166.887	107,599.109	605,517.860	1,817.711	1,155,560.848	0.000	0.000	0.000	0.000
2037	1	2,349,872.400	107,599.109	985,801.830	396.419	1,196,441.245	35,962.437	0.000	0.000	0.000
2037	2	2,095,418.800	107,599.109	963,280.861	44.039	1,062,791.881	0.000	-61,968.449	0.000	0.000
2037	3	1,782,922.984	107,599.109	691,957.439	1,185.784	1,039,270.770	0.000	0.000	-80,761.477	0.000
2037	4	1,377,130.772	107,599.109	358,188.752	12,327.840	1,056,002.367	0.000	0.000	0.000	-180,658.656
2037	5	1,111,619.218	107,599.109	90,163.605	41,164.916	1,037,749.395	0.000	0.000	0.000	0.000
2037	6	1,193,092.279	107,599.109	10,058.168	131,817.171	1,070,079.718	0.000	0.000	0.000	0.000
2037	7	1,436,134.776	107,599.109	51.254	277,650.414	1,046,494.972	0.000	0.000	0.000	0.000
2037	8	1,461,180.136	107,599.109	0.000	324,101.992	1,005,807.677	0.000	0.000	0.000	0.000
2037	9	1,346,955.468	107,599.109	386.193	262,841.251	1,048,750.893	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr
2037	10	1,112,062.057	107,599.109	35,347.187	83,482.314	1,039,551.907	0.000	0.000	0.000	0.000
2037	11	1,298,490.446	107,599.109	214,425.349	11,639.959	1,044,152.148	0.000	0.000	0.000	0.000
2037	12	1,905,718.746	107,599.109	608,977.122	1,834.009	1,163,637.146	0.000	0.000	0.000	0.000
2038	1	2,363,769.009	107,599.109	991,424.627	399.963	1,204,711.514	35,962.437	0.000	0.000	0.000
2038	2	2,108,318.952	107,599.109	968,767.680	44.433	1,070,204.820	0.000	-61,968.449	0.000	0.000
2038	3	1,794,189.870	107,599.109	695,893.257	1,196.363	1,046,591.259	0.000	0.000	-80,761.477	0.000
2038	4	1,386,892.965	107,599.109	360,233.979	12,438.089	1,063,609.085	0.000	0.000	0.000	-180,658.656
2038	5	1,120,082.826	107,599.109	90,677.709	41,532.702	1,045,331.113	0.000	0.000	0.000	0.000
2038	6	1,202,259.641	107,599.109	10,115.435	132,993.714	1,078,013.270	0.000	0.000	0.000	0.000
2038	7	1,446,542.690	107,599.109	51.547	280,134.755	1,054,418.252	0.000	0.000	0.000	0.000
2038	8	1,471,675.136	107,599.109	0.000	326,999.126	1,013,405.542	0.000	0.000	0.000	0.000
2038	9	1,357,105.939	107,599.109	388.394	265,188.509	1,056,551.905	0.000	0.000	0.000	0.000
2038	10	1,120,580.104	107,599.109	35,548.890	84,228.382	1,047,122.183	0.000	0.000	0.000	0.000
2038	11	1,307,244.687	107,599.109	215,647.288	11,743.890	1,051,580.520	0.000	0.000	0.000	0.000
2038	12	1,917,288.866	107,599.109	612,442.717	1,850.370	1,171,725.311	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
1994	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1994	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1994	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
1994	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
1994	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1995	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1995	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
1995	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
1995	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1996	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1996	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
1996	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
1996	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1997	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1997	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
1997	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
1997	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1998	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1998	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
1998	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
1998	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
1999	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
1999	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
1999	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
1999	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2000	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2000	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2000	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2000	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2001	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2001	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2001	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2001	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2002	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2002	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2002	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2002	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2003	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2003	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2003	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2003	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2004	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2004	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2004	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2004	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2005	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Page 424 of 768

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2005	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2005	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2005	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2005	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2006	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2006	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2006	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2006	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2007	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2007	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2007	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2007	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2008	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2008	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2008	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2008	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2009	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2009	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2009	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2009	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2010	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	10	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2010	11	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2010	12	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2011	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2011	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2011	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2011	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2011	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2011	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2012	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2012	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2012	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2012	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2013	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2013	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2013	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2013	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2014	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2014	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2014	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2014	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2014	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2015	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2015	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2015	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2015	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2016	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2016	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2016	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2016	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2017	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2017	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2017	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2017	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2017	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2018	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2018	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2018	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2018	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2019	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2019	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2019	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2019	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2020	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2020	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2020	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2020	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2020	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2021	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2021	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2021	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2021	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2022	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2022	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2022	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2022	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2023	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2023	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2023	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2023	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2023	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2024	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2024	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2024	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2024	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2025	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2025	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2025	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2025	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2026	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2026	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2026	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2026	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2026	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2027	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2027	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2027	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2027	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2028	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2028	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2028	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2028	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2029	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2029	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2029	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2029	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2029	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2030	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2030	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2030	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2030	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2031	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2031	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2031	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2031	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2032	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2032	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2032	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2032	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2033	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2033	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2033	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2033	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2034	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2034	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2034	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2034	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2035	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2035	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2035	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2035	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2036	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2036	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2036	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2036	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2037	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	May	Jun	Jul	Sep	Oct	Nov	feb90	Jan90	Sep93
2037	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2037	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2037	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	5	-188,729.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	6	0.000	-150,133.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	7	0.000	0.000	-19,332.332	0.000	0.000	0.000	0.000	0.000	0.000
2038	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2038	9	0.000	0.000	0.000	-96,293.337	0.000	0.000	0.000	0.000	0.000
2038	10	0.000	0.000	0.000	0.000	-177,589.819	0.000	0.000	0.000	0.000
2038	11	0.000	0.000	0.000	0.000	0.000	-102,997.479	0.000	0.000	0.000
2038	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
1994	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	9	0.000	0.000	-222,590.662	0.000	0.000	0.000	0.000	0.000
1994	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	9	0.000	-278,703.141	0.000	0.000	0.000	0.000	0.000	0.000
1995	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	11	0.000	0.000	0.000	383,201.426	0.000	0.000	0.000	0.000
1995	12	0.000	0.000	0.000	0.000	0.000	0.000	283,350.606	0.000
1996	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
1996	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
1999	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2002	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2005	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	2	0.000	0.000	0.000	0.000	168,840.076	0.000	0.000	0.000
2007	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2008	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2008	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2009	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2010	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2011	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2011	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2012	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2013	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2014	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2014	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2015	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2016	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2017	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2017	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2018	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2019	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2020	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2020	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2021	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2022	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2023	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2023	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2024	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2025	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2026	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2026	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2027	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2028	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2029	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2029	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2030	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2031	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2031	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2032	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2033	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2034	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2034	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2035	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2036	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Sep91	Sep95	Sep94	Nov95	Feb07	Jul93	Dec95	D08on
2037	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2037	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359
2038	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23,671.359

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
1994	1	862,636.474	0.000	291,039.90	883,210.707	2,036,887.079	2014658
1994	2	823,550.206	0.000	250,153.18	705,991.691	1,779,695.073	1549663
1994	3	459,782.106	83.481	236,789.61	676,437.843	1,373,093.037	1391875
1994	4	248,113.710	5,556.389	230,568.00	589,968.497	1,074,206.598	974338.4
1994	5	32,394.364	40,576.045	209,768.09	578,418.358	861,156.854	840995.2
1994	6	4,244.161	119,247.918	195,040.18	649,691.517	968,223.772	1093106
1994	7	0.000	330,539.048	184,723.05	766,679.594	1,281,941.692	1301922
1994	8	0.000	261,932.366	184,071.38	756,128.512	1,202,132.254	1136390
1994	9	0.000	156,944.782	205,154.93	455,664.730	817,764.444	817764.4
1994	10	10,392.815	37,698.892	220,402.86	583,845.063	852,339.634	931766.3
1994	11	77,165.278	3,848.280	238,696.81	653,053.692	972,764.062	1147881
1994	12	289,834.217	1,696.207	275,728.98	827,272.150	1,394,531.558	1533025
1995	1	623,038.614	0.000	290,391.45	891,572.088	1,805,002.154	1844398
1995	2	747,910.927	0.000	249,317.69	712,654.285	1,709,882.900	1596350
1995	3	504,369.762	0.000	235,923.54	682,741.975	1,423,035.277	1254742
1995	4	191,411.447	5,686.061	229,446.85	595,605.815	1,022,150.176	968155.4
1995	5	67,971.350	22,880.511	208,738.96	583,843.718	883,434.538	905534.4
1995	6	4,519.025	107,022.290	194,124.44	655,224.250	960,890.001	960439.6
1995	7	0.000	250,266.698	183,867.60	772,019.953	1,206,154.254	1379927
1995	8	0.000	375,161.398	183,177.71	761,093.756	1,319,432.861	1533807
1995	9	551.708	306,376.381	204,145.55	404,901.765	915,975.408	915975.4
1995	10	14,402.745	55,612.564	219,258.92	589,018.479	878,292.708	895857.5
1995	11	214,211.445	5,091.551	237,622.74	1,041,956.733	1,498,882.470	1498882
1995	12	575,426.576	379.264	274,693.56	1,117,401.750	1,967,901.147	1967901
1996	1	934,596.301	0.000	288,834.93	897,351.778	2,120,783.009	2076799
1996	2	832,359.732	0.000	248,851.15	720,094.483	1,801,305.364	1961230
1996	3	564,550.817	0.000	234,824.87	688,209.172	1,487,584.858	1540774
1996	4	400,722.550	6,541.627	228,590.91	601,765.704	1,237,620.794	1352304
1996	5	87,107.385	64,957.157	208,082.00	590,185.213	950,331.756	960242.2
1996	6	12,434.717	145,157.160	193,529.61	661,667.479	1,012,788.965	988971.1
1996	7	0.000	274,882.835	183,412.50	778,679.818	1,236,975.152	1190706
1996	8	0.000	242,826.963	182,857.54	767,966.122	1,193,650.627	1142381
1996	9	0.000	217,861.000	203,744.37	690,850.970	1,112,456.345	1112762
1996	10	26,601.513	39,060.204	219,086.70	596,948.602	881,697.015	879169.4
1996	11	214,087.213	5,467.959	237,341.32	666,518.551	1,123,415.045	1080485

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
1996	12	589,751.102	1,429.251	274,457.93	842,975.152	1,708,613.439	1639880
1997	1	672,589.945	764.508	289,223.42	908,351.705	1,870,929.577	1872862
1997	2	726,526.992	564.606	248,652.62	728,410.191	1,704,154.405	1697515
1997	3	395,240.259	2,374.946	235,507.08	698,776.342	1,331,898.623	1310970
1997	4	260,203.039	5,593.491	229,527.20	613,334.083	1,108,657.816	1181396
1997	5	118,755.239	6,382.250	208,893.81	601,397.344	935,428.641	971922.6
1997	6	18,634.593	48,899.788	194,273.13	673,107.311	934,914.824	898196.5
1997	7	0.000	227,364.590	184,225.50	790,173.620	1,201,763.713	1173408
1997	8	0.000	269,034.803	183,514.88	778,396.137	1,230,945.822	1213288
1997	9	0.000	151,317.249	204,635.73	702,392.562	1,058,345.544	1055187
1997	10	19,092.813	46,543.444	220,068.23	608,452.358	894,156.847	861173.1
1997	11	257,091.183	13,054.567	230,515.42	655,771.333	1,156,432.504	1110993
1997	12	564,102.276	0.000	280,189.93	868,046.040	1,712,338.251	1748101
1998	1	621,252.813	0.000	290,575.19	921,803.436	1,833,631.438	1816033
1998	2	588,836.852	0.000	250,074.87	741,089.044	1,580,000.768	1553672
1998	3	465,425.181	29.549	236,453.75	710,079.026	1,411,987.504	1393329
1998	4	279,443.314	38,548.876	229,863.44	623,078.027	1,170,933.658	1159164
1998	5	41,462.419	21,404.285	209,569.59	612,168.833	884,605.128	927021.1
1998	6	955.619	127,852.778	195,017.95	684,559.993	1,008,386.338	1003710
1998	7	410.635	270,712.129	184,622.95	800,135.886	1,255,881.603	1243693
1998	8	0.000	268,448.734	183,968.74	788,154.994	1,240,572.464	1250203
1998	9	0.000	270,220.949	205,354.72	713,468.467	1,189,044.132	1219362
1998	10	7,719.030	161,913.334	220,517.03	618,402.837	1,008,552.233	994519.2
1998	11	154,651.809	11,841.063	238,959.39	688,285.317	1,093,737.577	1079236
1998	12	325,618.466	2,761.134	276,429.79	867,630.883	1,472,440.277	1459520
1999	1	859,219.921	1,207.994	290,943.78	932,977.277	2,084,348.972	1996281
1999	2	535,661.326	0.000	250,123.53	750,279.331	1,536,064.185	1466155
1999	3	631,264.380	0.000	236,466.81	718,981.931	1,586,713.120	1560207
1999	4	336,114.803	8,773.957	229,913.99	632,285.077	1,207,087.831	1223541
1999	5	40,243.256	29,501.171	209,399.98	620,501.459	899,645.866	866545.2
1999	6	0.000	142,672.601	194,779.20	692,773.012	1,030,224.816	977527.9
1999	7	0.000	327,777.154	184,495.48	808,456.972	1,320,729.606	1267808
1999	8	0.000	391,076.573	183,912.73	796,397.148	1,371,386.450	1387451
1999	9	167.207	206,467.414	205,102.77	721,638.621	1,133,376.008	1126779
1999	10	18,220.323	42,013.745	220,348.08	626,874.065	907,456.216	900664.9

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
1999	11	150,669.688	2,330.506	238,751.93	696,883.585	1,088,635.711	1048741
1999	12	404,978.815	0.000	276,224.07	877,276.004	1,558,478.892	1501399
2000	1	764,727.135	0.000	290,657.71	942,760.785	1,998,145.629	1922441
2000	2	905,843.032	0.000	249,789.37	758,691.122	1,914,323.520	1921955
2000	3	347,360.003	1,832.438	236,353.33	727,827.648	1,313,373.417	1315910
2000	4	197,589.323	4,383.293	230,198.63	642,512.558	1,074,683.800	1075373
2000	5	73,077.798	47,408.930	209,452.51	629,820.144	959,759.384	998023.8
2000	6	173.530	137,749.627	194,926.37	702,690.235	1,035,539.758	1048147
2000	7	0.000	248,374.387	184,647.90	818,148.907	1,251,171.192	1220916
2000	8	0.000	209,505.301	184,022.80	805,532.997	1,199,061.099	1185967
2000	9	855.799	188,614.012	205,206.83	731,234.965	1,125,911.606	1146884
2000	10	46,223.871	63,766.623	220,484.75	636,386.451	966,861.700	981004.3
2000	11	157,310.928	8,782.230	239,016.50	706,730.708	1,111,840.368	1034520
2000	12	763,844.605	0.000	276,232.96	887,456.840	1,927,534.403	1842379
2001	1	#####	0.000	290,903.05	952,900.206	2,426,754.354	2442094
2001	2	819,078.645	0.000	250,090.60	767,863.635	1,837,032.881	1814616
2001	3	565,623.557	0.000	236,758.89	737,125.306	1,539,507.748	1520046
2001	4	399,321.966	35,408.720	230,328.98	651,115.570	1,316,175.232	1325045
2001	5	60,668.024	78,242.440	209,616.34	638,337.591	986,864.389	979761.4
2001	6	3,723.548	87,400.847	195,121.10	711,417.342	997,662.838	977736.7
2001	7	0.000	215,425.975	185,005.21	827,201.743	1,227,632.933	1193278
2001	8	0.000	301,820.062	184,430.18	814,405.842	1,300,656.083	1290725
2001	9	175.108	243,246.385	205,661.27	740,681.759	1,189,764.519	1220538
2001	10	35,605.150	58,258.878	221,218.09	646,586.151	961,668.271	976700.7
2001	11	170,484.916	17,088.932	239,782.42	717,006.998	1,144,363.264	1151266
2001	12	243,494.891	593.191	277,346.59	899,589.786	1,421,024.460	1414092
2002	1	850,748.403	0.000	292,014.37	970,200.504	2,112,963.277	2073170
2002	2	627,545.336	0.000	251,166.57	783,660.981	1,662,372.891	1672432
2002	3	550,550.044	1,063.902	237,680.27	752,354.921	1,541,649.135	1604874
2002	4	303,067.652	16,672.509	231,220.46	666,629.456	1,217,590.076	1295820
2002	5	79,968.984	47,116.679	210,699.59	654,532.559	992,317.817	946106
2002	6	47,875.417	128,646.877	196,018.39	727,651.122	1,100,191.805	1103276
2002	7	0.000	291,504.404	185,718.33	842,528.393	1,319,751.125	1356212
2002	8	0.000	355,952.384	185,157.95	829,123.415	1,370,233.750	1425291
2002	9	0.000	325,907.802	206,533.24	756,413.039	1,288,854.078	1301869

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2002	10	17,312.840	128,879.894	221,855.51	661,147.603	1,029,195.847	1006367
2002	11	211,177.104	12,698.659	240,488.04	731,537.473	1,195,901.275	1119832
2002	12	693,717.081	1,839.188	278,156.43	915,756.313	1,889,469.009	1840687
2003	1	854,934.491	0.000	292,547.51	982,015.169	2,129,497.171	2194398
2003	2	#####	0.000	251,533.64	793,878.797	2,113,485.244	2098001
2003	3	710,950.562	0.000	238,100.28	762,590.553	1,711,641.395	1707985
2003	4	193,497.528	14,277.374	231,831.58	677,712.027	1,117,318.510	1143625
2003	5	41,486.428	35,261.471	211,066.28	664,749.533	952,563.710	934722
2003	6	0.000	49,869.776	196,453.71	738,481.914	984,805.398	947952.6
2003	7	0.000	207,880.872	186,405.41	854,220.972	1,248,507.249	1211800
2003	8	0.000	235,958.643	183,813.27	832,395.524	1,252,167.438	1243867
2003	9	0.000	237,019.874	207,940.07	770,745.400	1,215,705.339	1260932
2003	10	48,607.581	33,693.793	222,814.24	673,570.684	978,686.295	967079.4
2003	11	132,512.521	7,829.404	239,879.01	739,147.090	1,119,368.022	1060486
2003	12	510,755.770	977.548	277,306.66	923,885.605	1,712,925.588	1727644
2004	1	858,047.430	798.345	292,983.80	994,432.201	2,146,261.778	2228905
2004	2	987,445.009	237.700	251,718.19	804,380.514	2,043,781.413	2116279
2004	3	565,878.734	2,110.763	238,368.64	773,237.732	1,579,595.872	1593278
2004	4	326,973.694	12,226.452	235,663.30	700,311.592	1,275,175.042	1292408
2004	5	78,563.006	65,967.691	210,298.30	671,923.690	1,026,752.689	1010219
2004	6	5,726.126	190,343.623	197,930.54	754,739.196	1,148,739.481	1153825
2004	7	0.000	239,937.026	186,984.50	866,753.066	1,293,674.597	1290174
2004	8	0.000	226,237.072	185,153.70	847,364.026	1,258,754.802	1207890
2004	9	0.000	203,427.672	204,326.56	767,755.362	1,175,509.591	1160798
2004	10	13,451.614	60,080.818	223,390.11	685,707.333	982,629.880	977278.1
2004	11	85,080.858	11,766.195	239,554.34	748,305.192	1,084,706.589	1000908
2004	12	437,975.833	1,908.610	281,285.78	947,098.850	1,668,269.068	1636978
2005	1	756,608.107	0.000	291,500.27	1,001,937.881	2,050,046.260	2070073
2005	2	815,051.610	0.000	251,640.65	814,637.687	1,881,329.945	1949463
2005	3	691,828.068	0.000	240,020.01	788,799.366	1,720,647.447	1771888
2005	4	333,898.001	5,464.434	235,814.11	711,556.842	1,286,733.383	1308931
2005	5	93,037.056	19,401.990	208,959.99	677,439.110	998,838.149	1021338
2005	6	13,264.114	118,438.119	195,542.20	755,743.809	1,082,988.238	1069231
2005	7	0.000	332,639.741	184,881.46	868,292.829	1,385,814.029	1333321
2005	8	0.000	415,806.318	187,770.49	867,935.421	1,471,512.233	1460081

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2005	9	0.000	320,387.408	206,578.42	786,623.172	1,313,588.999	1336066
2005	10	7,924.746	142,888.402	219,994.28	684,573.883	1,055,381.308	1033744
2005	11	201,313.000	9,069.196	242,304.93	767,431.888	1,220,119.019	1120136
2005	12	738,865.250	1,444.546	275,713.16	942,125.459	1,958,148.413	1900439
2006	1	761,084.529	0.000	294,236.79	1,009,447.439	2,064,768.759	2207723
2006	2	578,459.101	0.000	252,801.66	817,791.392	1,649,052.150	1804836
2006	3	636,176.460	1,194.808	235,567.00	774,288.171	1,647,226.437	1626827
2006	4	331,732.512	14,445.253	223,606.49	670,660.041	1,240,444.298	1262416
2006	5	28,257.276	25,275.962	213,823.24	694,756.949	962,113.424	940154.6
2006	6	5,577.973	97,676.530	195,433.99	754,901.169	1,053,589.661	1057778
2006	7	0.000	239,462.909	185,717.75	871,568.236	1,296,748.896	1271277
2006	8	0.000	362,082.434	184,634.32	855,033.363	1,401,750.115	1424174
2006	9	1,316.260	240,524.728	207,581.83	790,383.175	1,239,805.988	1255082
2006	10	53,728.934	33,398.632	224,530.73	700,164.920	1,011,823.214	971237.9
2006	11	288,397.691	2,244.732	239,099.14	757,433.052	1,287,174.617	1232087
2006	12	497,505.065	2,566.459	275,278.32	940,880.565	1,716,230.414	1774978
2007	1	550,429.687	290.972	287,659.62	1,008,900.026	1,847,280.303	1894407
2007	2	985,387.749	0.000	246,183.98	983,081.354	2,214,653.080	2214653
2007	3	827,473.568	1,975.210	235,143.96	789,505.890	1,854,098.627	1845838
2007	4	302,131.688	27,183.099	235,063.07	726,016.245	1,290,394.100	1270903
2007	5	110,744.646	45,838.522	209,902.56	697,109.437	1,063,595.166	1045100
2007	6	4,627.911	164,635.323	190,823.87	752,755.615	1,112,842.723	1145912
2007	7	0.000	263,360.515	179,770.92	862,369.323	1,305,500.762	1271358
2007	8	0.000	304,042.134	183,460.70	865,800.989	1,353,303.819	1344389
2007	9	0.000	345,223.784	203,223.14	790,251.034	1,338,697.957	1445614
2007	10	9,198.468	156,304.245	217,934.75	693,620.817	1,077,058.276	1068750
2007	11	182,257.105	26,891.900	241,712.83	782,199.852	1,233,061.687	1140306
2007	12	555,794.696	0.000	272,558.61	950,800.432	1,779,153.743	1690171
2008	1	773,876.934	0.000	283,551.75	1,036,288.554	2,093,717.242	2114912
2008	2	842,040.532	0.000	243,139.25	842,638.382	1,927,818.163	2006611
2008	3	716,622.604	0.000	232,324.36	818,094.871	1,767,041.836	1805065
2008	4	338,012.797	1,307.859	230,278.06	747,904.752	1,317,503.471	1341179
2008	5	71,660.260	16,273.406	201,915.65	704,876.432	994,725.744	961256.3
2008	6	5,152.041	101,443.042	189,461.46	785,080.462	1,081,137.006	1065973
2008	7	0.000	208,283.178	179,114.80	897,182.448	1,284,580.430	1245206

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2008	8	0.000	247,669.066	182,355.04	898,579.702	1,328,603.810	1302138
2008	9	0.000	233,611.157	199,502.88	813,760.124	1,246,874.159	1237861
2008	10	11,955.005	88,554.970	213,790.79	716,798.881	1,031,099.648	992899.5
2008	11	195,023.345	10,510.109	232,058.22	788,969.649	1,226,561.320	0
2008	12	553,609.376	1,655.352	268,150.52	976,720.423	1,800,135.671	0
2009	1	898,384.209	355.358	276,031.80	1,036,939.847	2,211,711.211	
2009	2	877,156.874	39.447	237,151.29	844,602.436	1,958,950.051	
2009	3	630,498.894	1,062.936	224,435.35	812,650.433	1,668,647.614	
2009	4	325,867.805	11,033.665	218,325.62	727,459.430	1,282,686.519	
2009	5	81,998.108	36,829.727	198,720.97	713,469.445	1,031,018.250	
2009	6	9,145.946	117,920.257	184,834.99	786,732.057	1,098,633.251	
2009	7	46.525	247,965.886	174,959.74	899,556.959	1,322,529.108	
2009	8	0.000	289,319.984	174,237.77	884,074.453	1,347,632.206	
2009	9	350.273	234,572.061	194,171.60	813,438.363	1,242,532.301	
2009	10	32,023.577	74,430.509	208,564.21	718,308.664	1,033,326.961	
2009	11	194,274.066	10,378.436	225,961.75	789,111.831	1,219,726.079	
2009	12	551,590.923	1,634.868	261,142.53	977,000.115	1,791,368.440	
2010	1	897,082.131	351.881	260,377.43	1,038,180.291	2,195,991.733	
2010	2	876,292.328	39.078	223,804.10	845,972.206	1,946,107.713	
2010	3	630,273.854	1,053.501	211,911.97	814,251.636	1,657,490.957	
2010	4	326,487.172	10,959.890	206,394.72	729,986.766	1,273,828.549	
2010	5	82,151.000	36,582.410	187,855.99	715,868.886	1,022,458.282	
2010	6	9,162.293	117,120.969	174,717.89	789,042.374	1,090,043.528	
2010	7	46.674	246,643.261	165,477.77	902,262.817	1,314,430.524	
2010	8	0.000	287,828.925	164,826.36	886,777.301	1,339,432.590	
2010	9	351.552	233,410.392	183,726.32	816,551.503	1,234,039.765	
2010	10	32,170.355	74,130.768	197,413.61	721,672.550	1,025,387.288	
2010	11	195,152.107	10,336.079	213,869.16	792,499.585	1,211,856.926	
2010	12	554,240.412	1,628.582	247,230.17	980,950.280	1,784,049.447	
2011	1	901,902.931	351.076	247,031.41	1,042,541.944	2,191,827.362	
2011	2	881,300.881	39.002	212,431.82	850,213.546	1,943,985.252	
2011	3	633,073.228	1,050.171	200,837.60	817,260.323	1,652,221.321	
2011	4	327,828.745	10,922.095	195,539.46	732,825.602	1,267,115.903	
2011	5	82,517.550	36,469.579	178,057.41	718,967.427	1,016,011.965	
2011	6	9,204.957	116,779.647	165,634.19	792,249.205	1,083,868.000	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2011	7	46.924	246,072.657	156,984.40	905,850.239	1,308,954.217	
2011	8	0.000	287,221.777	156,399.44	890,337.523	1,333,958.740	
2011	9	353.499	232,913.528	174,329.95	820,345.680	1,227,942.653	
2011	10	32,362.465	73,995.613	187,392.73	725,588.912	1,019,339.724	
2011	11	196,295.785	10,316.247	202,988.86	796,353.819	1,205,954.714	
2011	12	557,428.740	1,625.307	234,625.81	985,113.394	1,778,793.252	
2012	1	907,183.187	350.702	234,304.14	1,047,359.729	2,189,197.762	
2012	2	886,329.375	38.956	201,457.41	854,387.925	1,942,213.667	
2012	3	636,592.092	1,048.782	190,434.28	821,255.795	1,649,330.951	
2012	4	329,596.387	10,906.002	185,392.81	736,861.722	1,262,756.925	
2012	5	82,953.218	36,412.280	168,798.73	722,825.764	1,010,989.988	
2012	6	9,252.508	116,584.590	157,003.49	796,070.711	1,078,911.302	
2012	7	47.152	245,590.042	148,780.75	909,481.686	1,303,899.626	
2012	8	0.000	286,641.657	148,215.98	893,784.416	1,328,642.053	
2012	9	355.174	232,429.850	165,197.00	823,962.319	1,221,944.342	
2012	10	32,506.302	73,820.659	177,545.02	729,009.680	1,012,881.657	
2012	11	197,158.414	10,291.398	192,311.61	799,751.255	1,199,512.680	
2012	12	559,852.314	1,621.324	222,273.53	988,804.484	1,772,551.655	
2013	1	910,789.050	350.059	224,354.30	1,050,649.357	2,186,142.767	
2013	2	889,651.129	38.877	192,866.97	857,203.714	1,939,760.688	
2013	3	638,829.704	1,046.479	182,279.73	823,917.302	1,646,073.212	
2013	4	330,567.097	10,876.384	177,388.53	739,358.551	1,258,190.561	
2013	5	83,179.074	36,307.070	161,482.64	725,155.687	1,006,124.470	
2013	6	9,275.424	116,225.351	150,169.69	798,295.956	1,073,966.417	
2013	7	47.245	244,725.788	142,257.01	911,472.993	1,298,503.033	
2013	8	0.000	285,584.529	141,693.25	895,630.253	1,322,908.031	
2013	9	355.730	231,536.838	157,902.81	825,856.442	1,215,651.815	
2013	10	32,544.981	73,513.499	169,660.52	730,690.198	1,006,409.201	
2013	11	197,357.981	10,247.183	183,746.86	801,362.188	1,192,714.213	
2013	12	560,310.043	1,614.117	212,343.26	990,443.696	1,764,711.120	
2014	1	911,404.256	348.844	213,460.29	1,052,776.249	2,177,989.636	
2014	2	890,276.291	38.743	183,507.17	859,120.539	1,932,942.739	
2014	3	639,299.639	1,042.907	173,439.50	825,834.234	1,639,616.275	
2014	4	330,781.594	10,838.294	168,779.40	741,330.953	1,251,730.237	
2014	5	83,236.253	36,181.172	153,651.08	727,101.793	1,000,170.297	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2014	6	9,282.278	115,827.494	142,893.40	800,282.114	1,068,285.288	
2014	7	47.279	243,881.438	135,364.73	913,469.708	1,292,763.159	
2014	8	0.000	284,612.545	134,834.87	897,603.516	1,317,050.935	
2014	9	356.024	230,759.622	150,267.12	827,976.866	1,209,359.637	
2014	10	32,571.196	73,264.427	161,456.41	732,737.830	1,000,029.862	
2014	11	197,526.742	10,212.903	174,869.49	803,426.668	1,186,035.807	
2014	12	560,818.892	1,608.791	202,094.00	992,695.947	1,757,217.632	
2015	1	912,165.755	348.056	205,793.79	1,055,233.194	2,173,540.794	
2015	2	891,042.337	38.657	176,921.12	861,337.927	1,929,340.045	
2015	3	639,866.196	1,040.603	167,219.48	828,049.354	1,636,175.630	
2015	4	331,064.588	10,814.030	162,725.78	743,640.818	1,248,245.211	
2015	5	83,309.580	36,101.127	148,144.22	729,387.624	996,942.554	
2015	6	9,290.683	115,574.319	137,776.03	802,626.146	1,065,267.180	
2015	7	47.320	243,337.033	130,514.69	915,815.667	1,289,714.710	
2015	8	0.000	283,984.564	130,007.45	899,901.527	1,313,893.537	
2015	9	356.344	230,256.225	144,891.10	830,405.528	1,205,909.192	
2015	10	32,599.907	73,103.903	155,681.68	735,092.456	996,477.947	
2015	11	197,704.744	10,190.789	168,619.70	805,775.926	1,182,291.157	
2015	12	561,336.009	1,605.351	194,876.88	995,242.177	1,753,060.416	
2016	1	913,011.834	347.737	199,702.81	1,058,336.164	2,171,398.547	
2016	2	891,912.186	38.623	171,692.92	864,146.866	1,927,790.598	
2016	3	640,522.819	1,039.750	162,285.93	830,859.404	1,634,707.900	
2016	4	331,429.487	10,805.968	157,935.79	746,616.348	1,246,787.595	
2016	5	83,405.681	36,075.962	143,790.40	732,350.835	995,622.874	
2016	6	9,301.963	115,500.164	133,734.27	805,701.642	1,064,238.034	
2016	7	47.382	243,202.802	126,698.10	918,970.865	1,288,919.153	
2016	8	0.000	283,844.215	126,212.84	902,990.710	1,313,047.763	
2016	9	356.857	230,155.601	140,669.98	833,658.507	1,204,840.942	
2016	10	32,649.646	73,077.706	151,160.93	738,311.850	995,200.127	
2016	11	198,019.563	10,187.737	163,732.72	808,996.603	1,180,936.622	
2016	12	562,269.172	1,604.969	189,240.31	998,770.518	1,751,884.968	
2017	1	914,031.236	347.932	193,149.26	1,061,652.052	2,169,180.484	
2017	2	892,955.737	38.647	166,066.02	867,147.224	1,926,207.629	
2017	3	641,311.093	1,040.434	156,975.08	833,859.901	1,633,186.510	
2017	4	331,848.578	10,813.321	152,775.83	749,774.130	1,245,211.854	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2017	5	83,515.936	36,102.220	139,098.87	735,500.629	994,217.649	
2017	6	9,314.762	115,589.348	129,376.35	808,976.886	1,063,257.346	
2017	7	47.447	243,389.295	122,572.07	922,264.725	1,288,273.535	
2017	8	0.000	284,073.607	122,107.48	906,202.200	1,312,383.285	
2017	9	357.386	230,350.889	136,099.67	837,021.937	1,203,829.878	
2017	10	32,697.699	73,138.154	146,249.18	741,568.328	993,653.362	
2017	11	198,320.393	10,196.534	158,418.05	812,241.358	1,179,176.330	
2017	12	563,149.224	1,606.410	183,103.83	1,002,316.300	1,750,175.760	
2018	1	915,598.266	348.613	186,952.19	1,065,825.166	2,168,724.230	
2018	2	894,515.061	38.723	160,741.45	870,901.182	1,926,196.418	
2018	3	642,450.748	1,042.518	151,945.27	837,585.659	1,633,024.193	
2018	4	332,424.502	10,834.445	147,876.07	753,611.495	1,244,746.508	
2018	5	83,663.028	36,173.403	134,640.14	739,311.793	993,788.360	
2018	6	9,331.426	115,819.526	125,231.64	812,932.911	1,063,315.501	
2018	7	47.531	243,865.403	118,643.84	926,206.564	1,288,763.335	
2018	8	0.000	284,637.273	118,197.33	910,028.193	1,312,862.796	
2018	9	358.044	230,814.408	131,745.02	841,009.178	1,203,926.646	
2018	10	32,757.753	73,284.071	141,570.87	745,445.614	993,058.305	
2018	11	198,694.064	10,217.225	153,355.48	816,099.000	1,178,365.769	
2018	12	564,236.959	1,609.724	177,258.09	1,006,538.342	1,749,643.117	
2019	1	917,460.856	349.621	181,076.66	1,070,557.738	2,169,444.876	
2019	2	896,373.523	38.836	155,694.30	875,161.761	1,927,268.417	
2019	3	643,812.997	1,045.595	147,178.59	841,815.669	1,633,852.847	
2019	4	333,133.522	10,866.427	143,241.05	758,010.947	1,245,251.942	
2019	5	83,844.598	36,281.107	130,423.23	743,689.184	994,238.116	
2019	6	9,351.927	116,166.364	121,311.50	817,484.354	1,064,314.150	
2019	7	47.636	244,596.635	114,932.89	930,767.343	1,290,344.499	
2019	8	0.000	285,493.859	114,501.68	914,437.748	1,314,433.287	
2019	9	358.848	231,511.570	127,627.29	845,586.989	1,205,084.696	
2019	10	32,831.593	73,505.481	137,148.99	749,916.256	993,402.319	
2019	11	199,144.922	10,248.170	148,566.81	820,529.334	1,178,489.233	
2019	12	565,522.528	1,614.604	171,723.79	1,011,374.939	1,750,235.864	
2020	1	919,795.430	350.519	175,619.05	1,075,894.032	2,171,659.033	
2020	2	898,673.663	38.937	151,004.13	879,955.714	1,929,672.448	
2020	3	645,473.483	1,048.306	142,746.52	846,561.792	1,635,830.100	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2020	4	333,999.038	10,894.774	138,930.23	762,943.856	1,246,767.894	
2020	5	84,063.101	36,375.953	126,499.16	748,587.319	995,525.530	
2020	6	9,376.382	116,470.837	117,662.65	822,575.058	1,066,084.927	
2020	7	47.761	245,239.801	111,477.06	935,861.845	1,292,626.471	
2020	8	0.000	286,246.323	111,059.76	919,360.184	1,316,666.267	
2020	9	359.794	232,122.783	123,791.65	850,677.982	1,206,952.212	
2020	10	32,918.467	73,700.263	133,027.46	754,858.180	994,504.370	
2020	11	199,672.463	10,275.372	144,103.12	825,411.836	1,179,462.791	
2020	12	567,020.620	1,618.894	166,565.21	1,016,687.606	1,751,892.332	
2021	1	922,582.663	351.835	172,594.12	1,081,116.554	2,176,645.168	
2021	2	901,423.214	39.084	148,407.34	884,652.643	1,934,522.279	
2021	3	647,468.614	1,052.295	140,295.85	851,220.725	1,640,037.486	
2021	4	335,049.053	10,936.762	136,549.58	767,789.628	1,250,325.028	
2021	5	84,330.338	36,517.240	124,335.54	753,413.912	998,597.027	
2021	6	9,406.540	116,926.924	115,654.10	827,608.753	1,069,596.322	
2021	7	47.918	246,219.020	109,579.49	940,922.037	1,296,768.470	
2021	8	0.000	287,396.392	109,172.33	924,257.846	1,320,826.573	
2021	9	361.000	233,060.523	121,690.90	855,752.529	1,210,864.947	
2021	10	33,031.898	74,004.779	130,777.85	759,828.460	997,642.984	
2021	11	200,363.912	10,317.993	141,668.99	830,331.073	1,182,681.969	
2021	12	568,995.925	1,625.640	163,755.30	1,022,057.624	1,756,434.492	
2022	1	925,712.574	353.600	170,649.88	1,087,179.513	2,183,895.562	
2022	2	904,493.806	39.280	146,737.94	890,093.726	1,941,364.748	
2022	3	649,683.908	1,057.603	138,720.08	856,604.640	1,646,066.228	
2022	4	336,219.438	10,992.704	135,021.68	773,389.593	1,255,623.419	
2022	5	84,626.282	36,704.576	122,946.53	758,981.162	1,003,258.551	
2022	6	9,439.741	117,528.917	114,364.51	833,407.994	1,074,741.166	
2022	7	48.090	247,496.632	108,360.67	946,721.318	1,302,626.705	
2022	8	0.000	288,892.623	107,960.18	929,859.483	1,326,712.286	
2022	9	362.302	234,277.377	120,341.87	861,548.575	1,216,530.125	
2022	10	33,150.920	74,390.829	129,327.74	765,453.871	1,002,323.360	
2022	11	201,088.891	10,371.972	140,100.57	835,897.200	1,187,458.628	
2022	12	571,064.891	1,634.172	161,945.55	1,028,138.014	1,762,782.632	
2023	1	928,899.930	355.639	169,208.11	1,093,639.502	2,192,103.182	
2023	2	907,613.715	39.507	145,499.62	895,886.343	1,949,039.185	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2023	3	651,930.551	1,063.720	137,550.97	862,331.308	1,652,876.548	
2023	4	337,364.152	11,055.685	133,879.09	779,278.272	1,261,577.203	
2023	5	84,915.644	36,915.370	121,908.01	764,835.753	1,008,574.781	
2023	6	9,472.195	118,205.835	113,400.55	839,508.445	1,080,587.029	
2023	7	48.253	248,909.886	107,444.35	952,773.074	1,309,175.561	
2023	8	0.000	290,548.030	107,049.52	935,705.397	1,333,302.948	
2023	9	363.548	235,624.618	119,329.34	867,598.643	1,222,916.149	
2023	10	33,264.259	74,816.636	128,238.54	771,323.626	1,007,643.060	
2023	11	201,782.317	10,431.590	138,924.08	841,710.740	1,192,848.729	
2023	12	573,052.971	1,643.609	160,589.99	1,034,498.521	1,769,785.087	
2024	1	932,024.473	357.870	168,021.99	1,100,683.677	2,201,088.006	
2024	2	910,671.165	39.755	144,480.36	902,201.237	1,957,392.515	
2024	3	654,128.969	1,070.401	136,587.84	868,569.981	1,660,357.186	
2024	4	338,500.008	11,125.051	132,941.65	785,725.958	1,268,292.665	
2024	5	85,201.788	37,147.060	121,054.78	771,241.224	1,014,644.853	
2024	6	9,504.111	118,947.645	112,606.92	846,176.257	1,087,234.929	
2024	7	48.415	250,472.742	106,693.21	959,422.446	1,316,636.814	
2024	8	0.000	292,371.855	106,301.09	942,113.811	1,340,786.757	
2024	9	364.774	237,103.520	118,495.11	874,215.641	1,230,179.047	
2024	10	33,376.740	75,287.030	127,344.21	777,774.559	1,013,782.542	
2024	11	202,464.257	10,497.153	137,955.07	848,083.176	1,198,999.658	
2024	12	574,987.183	1,653.932	159,469.33	1,041,452.782	1,777,563.229	
2025	1	935,187.212	360.279	166,986.66	1,107,523.680	2,210,057.834	
2025	2	913,759.016	40.023	143,589.92	908,330.799	1,965,719.755	
2025	3	656,344.413	1,077.599	135,745.70	874,622.653	1,667,790.365	
2025	4	339,640.806	11,199.689	132,122.32	791,985.649	1,274,948.465	
2025	5	85,488.527	37,396.126	120,308.32	777,458.656	1,020,651.629	
2025	6	9,536.024	119,744.379	111,911.90	852,648.682	1,093,840.981	
2025	7	48.576	252,137.786	106,031.98	965,852.065	1,324,070.403	
2025	8	0.000	294,313.329	105,641.60	948,306.473	1,348,261.399	
2025	9	365.974	238,676.591	117,759.35	880,599.987	1,237,401.902	
2025	10	33,483.696	75,780.041	126,546.25	783,935.373	1,019,745.361	
2025	11	203,111.673	10,565.826	137,089.83	854,161.171	1,204,928.503	
2025	12	576,820.709	1,664.739	158,467.96	1,048,077.325	1,785,030.732	
2026	1	938,126.893	362.737	166,006.65	1,114,792.093	2,219,288.370	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2026	2	916,628.993	40.296	142,746.90	914,843.647	1,974,259.832	
2026	3	658,403.343	1,084.943	134,948.26	881,052.285	1,675,488.830	
2026	4	340,674.014	11,274.945	131,337.96	798,578.395	1,281,865.317	
2026	5	85,748.316	37,647.284	119,593.83	784,009.370	1,026,998.797	
2026	6	9,564.948	120,547.943	111,246.76	859,471.870	1,100,831.516	
2026	7	48.719	253,811.264	105,396.77	972,610.454	1,331,867.204	
2026	8	0.000	296,265.044	105,008.22	954,816.495	1,356,089.761	
2026	9	367.053	240,258.189	117,052.86	887,310.007	1,244,988.113	
2026	10	33,580.777	76,278.546	125,783.87	790,438.067	1,026,081.258	
2026	11	203,699.409	10,635.274	136,263.31	860,575.686	1,211,173.682	
2026	12	578,485.458	1,675.669	157,511.58	1,055,069.990	1,792,742.698	
2027	1	940,887.335	365.250	165,046.92	1,122,159.660	2,228,459.168	
2027	2	919,327.565	40.575	141,921.93	921,448.763	1,982,738.837	
2027	3	660,342.139	1,092.460	134,168.50	887,575.676	1,683,178.778	
2027	4	341,678.948	11,353.110	130,580.31	805,326.768	1,288,939.138	
2027	5	86,001.431	37,908.330	118,904.25	790,719.808	1,033,533.816	
2027	6	9,593.188	121,383.838	110,605.44	866,468.760	1,108,051.228	
2027	7	48.864	255,573.626	104,790.33	979,587.897	1,340,000.721	
2027	8	0.000	298,322.155	104,404.12	961,539.195	1,364,265.465	
2027	9	368.141	241,926.513	116,379.63	894,240.636	1,252,914.916	
2027	10	33,680.978	76,809.700	125,062.11	797,187.472	1,032,740.259	
2027	11	204,307.431	10,709.334	135,481.59	867,237.036	1,217,735.390	
2027	12	580,212.293	1,687.337	156,608.01	1,062,340.254	1,800,847.899	
2028	1	943,678.113	367.814	164,133.92	1,129,999.203	2,238,179.053	
2028	2	922,075.238	40.860	141,139.56	928,485.751	1,991,741.410	
2028	3	662,330.732	1,100.168	133,431.38	894,534.110	1,691,396.389	
2028	4	342,727.746	11,433.829	129,868.31	812,543.292	1,296,573.175	
2028	5	86,267.529	38,178.601	118,258.35	797,904.695	1,040,609.172	
2028	6	9,623.123	122,251.804	110,007.00	873,971.369	1,115,853.298	
2028	7	49.019	257,412.787	104,227.47	987,079.600	1,348,768.879	
2028	8	0.000	300,474.935	103,845.45	968,765.533	1,373,085.918	
2028	9	369.327	243,676.944	115,759.13	901,706.006	1,261,511.407	
2028	10	33,791.155	77,368.852	124,400.56	804,481.024	1,040,041.587	
2028	11	204,980.602	10,787.494	134,767.44	874,450.722	1,224,986.255	
2028	12	582,138.736	1,699.686	155,785.59	1,070,236.126	1,809,860.133	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2029	1	946,879.085	370.555	163,308.66	1,137,633.398	2,248,191.693	
2029	2	925,230.338	41.166	140,433.23	935,340.172	2,001,044.907	
2029	3	664,616.862	1,108.420	132,766.73	901,313.686	1,699,805.700	
2029	4	343,922.818	11,519.917	129,225.86	819,565.104	1,304,233.704	
2029	5	86,571.103	38,467.028	117,676.32	804,897.615	1,047,612.069	
2029	6	9,657.318	123,178.691	109,468.53	881,275.761	1,123,580.297	
2029	7	49.195	259,376.338	103,721.73	994,371.184	1,357,518.443	
2029	8	0.000	302,774.754	103,344.17	975,800.353	1,381,919.277	
2029	9	370.683	245,548.041	115,203.11	908,979.530	1,270,101.366	
2029	10	33,917.127	77,966.605	123,808.52	811,591.670	1,047,283.918	
2029	11	205,751.175	10,871.098	134,129.17	881,489.436	1,232,240.879	
2029	12	584,346.657	1,712.902	155,051.61	1,077,949.289	1,819,060.457	
2030	1	950,598.880	373.479	163,016.88	1,145,891.902	2,259,881.141	
2030	2	928,891.538	41.492	140,185.35	942,749.727	2,011,868.107	
2030	3	667,265.638	1,117.216	132,535.16	908,636.844	1,709,554.863	
2030	4	345,307.310	11,611.722	129,004.03	827,137.258	1,313,060.323	
2030	5	86,922.222	38,774.491	117,477.03	812,432.958	1,055,606.700	
2030	6	9,696.794	124,166.298	109,285.74	889,140.020	1,132,288.852	
2030	7	49.398	261,464.022	103,551.30	1,002,197.893	1,367,262.615	
2030	8	0.000	305,219.006	103,176.74	983,346.878	1,391,742.623	
2030	9	372.235	247,535.919	115,018.99	916,785.923	1,279,713.068	
2030	10	34,060.083	78,599.435	123,612.53	819,202.376	1,055,474.429	
2030	11	206,624.529	10,959.589	133,919.85	889,027.239	1,240,531.211	
2030	12	586,845.328	1,726.887	154,813.26	1,086,215.391	1,829,600.869	
2031	1	954,953.348	376.470	162,349.22	1,153,685.475	2,271,364.513	
2031	2	933,157.588	41.824	139,612.38	949,735.858	2,022,547.646	
2031	3	670,337.121	1,126.180	131,994.37	915,534.980	1,718,992.647	
2031	4	346,900.196	11,704.969	128,478.03	834,255.101	1,321,338.299	
2031	5	87,324.224	39,086.209	116,999.09	819,510.345	1,062,919.865	
2031	6	9,741.736	125,165.369	108,841.89	896,519.022	1,140,268.018	
2031	7	49.628	263,570.952	103,131.03	1,009,530.615	1,376,282.225	
2031	8	0.000	307,680.371	102,758.62	990,409.845	1,400,848.836	
2031	9	373.973	249,533.655	114,553.61	924,081.616	1,288,542.855	
2031	10	34,219.913	79,235.541	123,113.98	826,317.550	1,062,886.987	
2031	11	207,595.775	11,048.341	133,380.44	896,063.417	1,248,087.969	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2031	12	589,607.677	1,740.878	154,190.30	1,093,916.681	1,839,455.537	
2032	1	959,512.978	379.544	161,699.95	1,161,701.732	2,283,294.202	
2032	2	937,615.059	42.166	139,054.23	956,916.449	2,033,627.905	
2032	3	673,539.350	1,135.376	131,466.63	922,619.848	1,728,761.204	
2032	4	348,575.400	11,801.145	127,968.17	841,589.730	1,329,934.448	
2032	5	87,745.935	39,407.348	116,534.81	826,796.942	1,070,485.035	
2032	6	9,788.754	126,193.361	108,409.71	904,109.416	1,148,501.240	
2032	7	49.870	265,746.428	102,724.39	1,017,096.034	1,385,616.724	
2032	8	0.000	310,218.572	102,353.05	997,689.326	1,410,260.945	
2032	9	375.790	251,591.264	114,101.13	931,595.340	1,297,663.522	
2032	10	34,387.690	79,892.412	122,631.49	833,664.920	1,070,576.513	
2032	11	208,612.516	11,139.876	132,857.08	903,323.555	1,255,933.027	
2032	12	592,491.076	1,755.289	153,584.28	1,101,857.701	1,849,688.349	
2033	1	964,272.421	382.709	161,069.38	1,169,972.578	2,295,697.085	
2033	2	942,266.394	42.517	138,512.02	964,323.111	2,045,144.038	
2033	3	676,880.068	1,144.842	130,953.84	929,925.875	1,738,904.625	
2033	4	350,319.239	11,900.030	127,473.32	849,154.261	1,338,846.847	
2033	5	88,184.863	39,737.504	116,084.11	834,310.546	1,078,317.025	
2033	6	9,837.695	127,250.230	107,990.16	911,935.758	1,157,013.845	
2033	7	50.122	267,986.417	102,330.38	1,024,899.207	1,395,266.124	
2033	8	0.000	312,832.042	101,960.03	1,005,195.719	1,419,987.792	
2033	9	377.686	253,709.830	113,662.59	939,342.633	1,307,092.736	
2033	10	34,563.104	80,569.530	122,163.91	841,240.186	1,078,536.734	
2033	11	209,675.618	11,234.231	132,349.82	910,808.661	1,264,068.329	
2033	12	595,506.739	1,770.145	152,996.90	1,110,046.299	1,860,320.080	
2034	1	969,276.431	385.980	160,459.74	1,178,506.693	2,308,628.846	
2034	2	947,159.180	42.881	137,987.98	971,964.735	2,057,154.781	
2034	3	680,396.434	1,154.627	130,458.48	937,463.135	1,749,472.681	
2034	4	352,164.137	12,002.577	126,996.19	856,960.352	1,348,123.258	
2034	5	88,649.570	40,080.008	115,649.81	842,064.004	1,086,443.394	
2034	6	9,889.566	128,347.184	107,586.24	920,013.051	1,165,836.045	
2034	7	50.390	270,315.230	101,950.86	1,032,944.962	1,405,261.445	
2034	8	0.000	315,550.281	101,581.70	1,012,934.486	1,430,066.464	
2034	9	379.705	255,914.163	113,240.64	947,330.189	1,316,864.698	
2034	10	34,750.684	81,276.027	121,714.83	849,053.634	1,086,795.169	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2034	11	210,813.216	11,332.706	131,862.65	918,528.561	1,272,537.132	
2034	12	598,736.809	1,785.656	152,433.00	1,118,493.252	1,871,448.719	
2035	1	974,635.063	389.393	159,870.86	1,187,285.390	2,322,180.709	
2035	2	952,390.680	43.260	137,480.49	979,816.286	2,069,730.718	
2035	3	684,150.591	1,164.824	129,977.55	945,198.692	1,760,491.653	
2035	4	354,128.636	12,109.300	126,529.55	864,945.196	1,357,712.686	
2035	5	89,143.550	40,436.100	115,223.79	849,984.828	1,094,788.263	
2035	6	9,944.608	129,486.498	107,188.83	928,254.175	1,174,874.113	
2035	7	50.672	272,728.059	101,575.03	1,041,130.670	1,415,484.432	
2035	8	0.000	318,363.801	101,205.93	1,020,798.289	1,440,368.022	
2035	9	381.831	258,193.591	112,820.37	955,438.027	1,326,833.824	
2035	10	34,946.364	82,002.445	121,261.94	856,944.198	1,095,154.945	
2035	11	211,998.347	11,433.874	131,370.17	926,316.916	1,281,119.312	
2035	12	602,097.264	1,801.578	151,861.60	1,127,006.273	1,882,766.711	
2036	1	980,177.062	392.885	159,271.10	1,196,116.482	2,335,957.525	
2036	2	957,795.089	43.647	136,962.59	987,707.831	2,082,509.153	
2036	3	688,024.536	1,175.238	129,485.81	952,967.245	1,771,652.827	
2036	4	356,145.180	12,217.944	126,050.86	872,953.784	1,367,367.767	
2036	5	89,650.124	40,798.395	114,786.07	857,923.517	1,103,158.105	
2036	6	10,000.996	130,644.976	106,779.89	936,507.702	1,183,933.560	
2036	7	50.961	275,174.959	101,188.09	1,049,328.445	1,425,742.456	
2036	8	0.000	321,215.873	100,818.68	1,028,670.516	1,450,705.069	
2036	9	383.997	260,503.347	112,386.85	963,551.231	1,336,825.428	
2036	10	35,145.765	82,738.882	120,799.11	864,872.399	1,103,556.160	
2036	11	213,205.379	11,536.411	130,866.61	934,140.168	1,289,748.564	
2036	12	605,517.860	1,817.711	151,276.96	1,135,554.351	1,894,166.887	
2037	1	985,801.830	396.419	158,661.79	1,205,012.358	2,349,872.400	
2037	2	963,280.861	44.039	136,436.58	995,657.325	2,095,418.800	
2037	3	691,957.439	1,185.784	128,986.54	960,793.223	1,782,922.984	
2037	4	358,188.752	12,327.840	125,568.15	881,046.025	1,377,130.772	
2037	5	90,163.605	41,164.916	114,344.88	865,945.820	1,111,619.218	
2037	6	10,058.168	131,817.171	106,367.90	944,849.037	1,193,092.279	
2037	7	51.254	277,650.414	100,800.38	1,057,632.727	1,436,134.776	
2037	8	0.000	324,101.992	100,430.96	1,036,647.187	1,461,180.136	
2037	9	386.193	262,841.251	111,953.12	971,774.905	1,346,955.468	

Residential Model Output

Year	Month	Heat	Cool	Lighting	Other	Total	Actual
2037	10	35,347.187	83,482.314	120,334.60	872,897.958	1,112,062.057	
2037	11	214,425.349	11,639.959	130,361.75	942,063.388	1,298,490.446	
2037	12	608,977.122	1,834.009	150,691.48	1,144,216.133	1,905,718.746	
2038	1	991,424.627	399.963	158,033.96	1,213,910.456	2,363,769.009	
2038	2	968,767.680	44.433	135,895.13	1,003,611.708	2,108,318.952	
2038	3	695,893.257	1,196.363	128,473.16	968,627.088	1,794,189.870	
2038	4	360,233.979	12,438.089	125,071.94	889,148.959	1,386,892.965	
2038	5	90,677.709	41,532.702	113,891.71	873,980.703	1,120,082.826	
2038	6	10,115.435	132,993.714	105,945.12	953,205.375	1,202,259.641	
2038	7	51.547	280,134.755	100,402.54	1,065,953.847	1,446,542.690	
2038	8	0.000	326,999.126	100,033.43	1,044,642.576	1,471,675.136	
2038	9	388.394	265,188.509	111,508.74	980,020.300	1,357,105.939	
2038	10	35,548.890	84,228.382	119,858.58	880,944.250	1,120,580.104	
2038	11	215,647.288	11,743.890	129,844.72	950,008.788	1,307,244.687	
2038	12	612,442.717	1,850.370	150,092.26	1,152,903.516	1,917,288.866	

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
						2,014,657.814	137.06
1994	1	862,636.474	0.000	291,039.90	860981.441799825	1,549,662.692	137.12
1994	2	823,550.206	0.000	250,153.18	475959.309963754	1,391,874.726	136.98
1994	3	459,782.106	83.481	236,789.61	695219.532639376	974,338.371	136.90
1994	4	248,113.710	5,556.389	230,568.00	490100.270608526	840,995.231	136.93
1994	5	32,394.364	40,576.045	209,768.09	558256.735506725	1,093,105.712	137.07
1994	6	4,244.161	119,247.918	195,040.18	774573.457494038	1,301,921.844	137.26
1994	7	0.000	330,539.048	184,723.05	786659.746501840	1,136,390.093	137.44
1994	8	0.000	261,932.366	184,071.38	690386.351008727	817,764.444	137.66
1994	9	0.000	156,944.782	205,154.93	455664.730468623	931,766.275	137.92
1994	10	10,392.815	37,698.892	220,402.86	663271.704131591	1,147,880.752	138.23
1994	11	77,165.278	3,848.280	238,696.81	828170.382570076	1,533,024.618	138.64
1994	12	289,834.217	1,696.207	275,728.98	965765.210633997	1,844,397.518	138.75
1995	1	623,038.614	0.000	290,391.45	930967.451578997	1,596,350.328	139.08
1995	2	747,910.927	0.000	249,317.69	599121.712907315	1,254,741.612	139.04
1995	3	504,369.762	0.000	235,923.54	514448.309973394	968,155.387	138.96
1995	4	191,411.447	5,686.061	229,446.85	541611.026404523	905,534.413	139.00
1995	5	67,971.350	22,880.511	208,738.96	605943.592844931	960,439.592	139.13
1995	6	4,519.025	107,022.290	194,124.44	654773.841293504	1,379,927.028	139.23
1995	7	0.000	250,266.698	183,867.60	945792.727533240	1,533,806.987	139.48
1995	8	0.000	375,161.398	183,177.71	975467.882261519	915,975.408	139.72
1995	9	551.708	306,376.381	204,145.55	404901.765360054	895,857.464	139.87
1995	10	14,402.745	55,612.564	219,258.92	606583.234421407	1,498,882.470	140.04
1995	11	214,211.445	5,091.551	237,622.74	1041956.732773590	1,967,901.147	140.41
1995	12	575,426.576	379.264	274,693.56	1117401.750456050	2,076,798.618	140.80
1996	1	934,596.301	0.000	288,834.93	853367.386887009	1,961,229.680	140.27
1996	2	832,359.732	0.000	248,851.15	880018.798823296	1,540,773.592	140.89
1996	3	564,550.817	0.000	234,824.87	741397.905956414	1,352,304.483	140.59
1996	4	400,722.550	6,541.627	228,590.91	716449.393357269	960,242.182	140.51
1996	5	87,107.385	64,957.157	208,082.00	600095.639017871	988,971.149	140.62
1996	6	12,434.717	145,157.160	193,529.61	637849.662742561	1,190,706.251	140.66
1996	7	0.000	274,882.835	183,412.50	732410.917544196	1,142,380.693	140.73
1996	8	0.000	242,826.963	182,857.54	716696.187573770	1,112,761.646	141.00
1996	9	0.000	217,861.000	203,744.37	691156.271310467	879,169.425	141.08
1996	10	26,601.513	39,060.204	219,086.70	594421.011672787	1,080,485.229	141.36
1996	11	214,087.213	5,467.959	237,341.32	623588.735125758		

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
1996	12	589,751.102	1,429.251	274,457.93	774241.981117668	1,639,880.269	141.65
1997	1	672,589.945	764.508	289,223.42	910284.237200082	1,872,862.110	141.83
1997	2	726,526.992	564.606	248,652.62	721771.242979032	1,697,515.458	141.84
1997	3	395,240.259	2,374.946	235,507.08	677847.247268729	1,310,969.528	141.57
1997	4	260,203.039	5,593.491	229,527.20	686072.689839651	1,181,396.423	141.36
1997	5	118,755.239	6,382.250	208,893.81	637891.346425771	971,922.643	141.35
1997	6	18,634.593	48,899.788	194,273.13	636389.029588617	898,196.542	141.48
1997	7	0.000	227,364.590	184,225.50	761817.785750469	1,173,407.879	141.52
1997	8	0.000	269,034.803	183,514.88	760738.557761898	1,213,288.243	141.81
1997	9	0.000	151,317.249	204,635.73	699234.109194693	1,055,187.091	141.92
1997	10	19,092.813	46,543.444	220,068.23	575468.582420409	861,173.071	141.99
1997	11	257,091.183	13,054.567	230,515.42	610331.887523795	1,110,993.059	151.13
1997	12	564,102.276	0.000	280,189.93	903808.617291911	1,748,100.828	138.58
1998	1	621,252.813	0.000	290,575.19	904205.317810892	1,816,033.319	142.74
1998	2	588,836.852	0.000	250,074.87	714760.532234516	1,553,672.256	142.47
1998	3	465,425.181	29.549	236,453.75	691420.339850062	1,393,328.818	142.61
1998	4	279,443.314	38,548.876	229,863.44	611308.190130591	1,159,163.822	142.77
1998	5	41,462.419	21,404.285	209,569.59	654584.797351694	927,021.092	142.28
1998	6	955.619	127,852.778	195,017.95	679883.953662134	1,003,710.299	142.26
1998	7	410.635	270,712.129	184,622.95	787946.860620443	1,243,692.578	142.40
1998	8	0.000	268,448.734	183,968.74	797785.065484491	1,250,202.536	142.60
1998	9	0.000	270,220.949	205,354.72	743785.894278549	1,219,361.560	142.46
1998	10	7,719.030	161,913.334	220,517.03	604369.844320480	994,519.240	142.64
1998	11	154,651.809	11,841.063	238,959.39	673783.715675348	1,079,235.976	142.90
1998	12	325,618.466	2,761.134	276,429.79	854710.515645736	1,459,519.909	143.05
1999	1	859,219.921	1,207.994	290,943.78	844909.358199986	1,996,281.053	143.20
1999	2	535,661.326	0.000	250,123.53	680370.299158057	1,466,155.153	143.17
1999	3	631,264.380	0.000	236,466.81	692475.805713527	1,560,206.995	143.34
1999	4	336,114.803	8,773.957	229,913.99	648738.696023838	1,223,541.450	143.20
1999	5	40,243.256	29,501.171	209,399.98	587400.797047350	866,545.205	142.92
1999	6	0.000	142,672.601	194,779.20	640076.055166230	977,527.859	142.95
1999	7	0.000	327,777.154	184,495.48	755535.732182948	1,267,808.366	142.96
1999	8	0.000	391,076.573	183,912.73	812462.064521636	1,387,451.367	143.05
1999	9	167.207	206,467.414	205,102.77	715041.311893779	1,126,778.699	143.10
1999	10	18,220.323	42,013.745	220,348.08	620082.795873732	900,664.947	143.24

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
1999	11	150,669.688	2,330.506	238,751.93	656988.435498136		1,048,740.561	143.40
1999	12	404,978.815	0.000	276,224.07	820196.153524564		1,501,399.042	143.57
2000	1	764,727.135	0.000	290,657.71	867056.251868500		1,922,441.096	143.87
2000	2	905,843.032	0.000	249,789.37	766322.254373950		1,921,954.653	143.93
2000	3	347,360.003	1,832.438	236,353.33	730364.422593370		1,315,910.192	143.86
2000	4	197,589.323	4,383.293	230,198.63	643201.765136059		1,075,373.007	143.46
2000	5	73,077.798	47,408.930	209,452.51	668084.547679771		998,023.788	143.43
2000	6	173.530	137,749.627	194,926.37	715297.166383499		1,048,146.689	143.30
2000	7	0.000	248,374.387	184,647.90	787893.344978999		1,220,915.630	143.30
2000	8	0.000	209,505.301	184,022.80	792438.859211676		1,185,966.961	143.44
2000	9	855.799	188,614.012	205,206.83	752207.023490241		1,146,883.664	143.54
2000	10	46,223.871	63,766.623	220,484.75	650529.011170876		981,004.260	143.67
2000	11	157,310.928	8,782.230	239,016.50	629410.518974036		1,034,520.179	143.79
2000	12	763,844.605	0.000	276,232.96	802301.057686917		1,842,378.621	144.23
2001	1	#####	0.000	290,903.05	968240.109219193		2,442,094.257	144.22
2001	2	819,078.645	0.000	250,090.60	745446.364281074		1,814,615.611	144.27
2001	3	565,623.557	0.000	236,758.89	717663.616767094		1,520,046.059	144.12
2001	4	399,321.966	35,408.720	230,328.98	659985.601538953		1,325,045.264	143.98
2001	5	60,668.024	78,242.440	209,616.34	631234.581804166		979,761.380	143.93
2001	6	3,723.548	87,400.847	195,121.10	691491.186815960		977,736.682	143.85
2001	7	0.000	215,425.975	185,005.21	792846.426947892		1,193,277.617	143.85
2001	8	0.000	301,820.062	184,430.18	804474.324798098		1,290,724.566	143.91
2001	9	175.108	243,246.385	205,661.27	771455.611964909		1,220,538.372	144.01
2001	10	35,605.150	58,258.878	221,218.09	661618.618392811		976,700.738	144.14
2001	11	170,484.916	17,088.932	239,782.42	723909.810849340		1,151,266.077	144.21
2001	12	243,494.891	593.191	277,346.59	892657.651022117		1,414,092.325	144.45
2002	1	850,748.403	0.000	292,014.37	930406.902465792		2,073,169.676	144.78
2002	2	627,545.336	0.000	251,166.57	793720.066907706		1,672,431.977	144.64
2002	3	550,550.044	1,063.902	237,680.27	815579.286398109		1,604,873.501	144.57
2002	4	303,067.652	16,672.509	231,220.46	744859.205942314		1,295,819.825	144.47
2002	5	79,968.984	47,116.679	210,699.59	608320.761158914		946,106.019	144.10
2002	6	47,875.417	128,646.877	196,018.39	730735.753830163		1,103,276.438	144.17
2002	7	0.000	291,504.404	185,718.33	878989.270388716		1,356,212.003	144.16
2002	8	0.000	355,952.384	185,157.95	884180.205227841		1,425,290.540	144.24
2002	9	0.000	325,907.802	206,533.24	769427.480506692		1,301,868.519	144.23

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2002	10	17,312.840	128,879.894	221,855.51	638318.834398441		1,006,367.079	144.28
2002	11	211,177.104	12,698.659	240,488.04	655468.149070093		1,119,831.951	144.47
2002	12	693,717.081	1,839.188	278,156.43	866974.372311268		1,840,687.068	144.70
2003	1	854,934.491	0.000	292,547.51	1046915.725942140		2,194,397.728	144.90
2003	2	#####	0.000	251,533.64	778394.816506051		2,098,001.263	144.85
2003	3	710,950.562	0.000	238,100.28	758934.009877095		1,707,984.851	144.70
2003	4	193,497.528	14,277.374	231,831.58	704018.520446928		1,143,625.004	144.42
2003	5	41,486.428	35,261.471	211,066.28	646907.853366261		934,722.031	144.25
2003	6	0.000	49,869.776	196,453.71	701629.108978770		947,952.593	144.18
2003	7	0.000	207,880.872	186,405.41	817514.221822741		1,211,800.500	144.13
2003	8	0.000	235,958.643	183,813.27	824094.999710590		1,243,866.914	144.29
2003	9	0.000	237,019.874	207,940.07	815972.455309336		1,260,932.394	144.41
2003	10	48,607.581	33,693.793	222,814.24	661963.818272965		967,079.429	144.41
2003	11	132,512.521	7,829.404	239,879.01	680264.787534331		1,060,485.720	144.47
2003	12	510,755.770	977.548	277,306.66	938604.449563786		1,727,644.432	144.85
2004	1	858,047.430	798.345	292,983.80	1077075.747272020		2,228,905.325	145.10
2004	2	987,445.009	237.700	251,718.19	876877.844867660		2,116,278.744	144.85
2004	3	565,878.734	2,110.763	238,368.64	786919.387194648		1,593,277.528	144.79
2004	4	326,973.694	12,226.452	235,663.30	717544.436607829		1,292,407.887	144.67
2004	5	78,563.006	65,967.691	210,298.30	655389.990279884		1,010,218.989	144.36
2004	6	5,726.126	190,343.623	197,930.54	759824.925892840		1,153,825.211	144.12
2004	7	0.000	239,937.026	186,984.50	863252.528471335		1,290,174.059	144.04
2004	8	0.000	226,237.072	185,153.70	796499.434200011		1,207,890.210	144.07
2004	9	0.000	203,427.672	204,326.56	753043.550575824		1,160,797.780	144.08
2004	10	13,451.614	60,080.818	223,390.11	680355.590916567		977,278.137	144.16
2004	11	85,080.858	11,766.195	239,554.34	664506.541699222		1,000,907.938	144.36
2004	12	437,975.833	1,908.610	281,285.78	915807.344233311		1,636,977.562	144.62
2005	1	756,608.107	0.000	291,500.27	1021964.568244010		2,070,072.947	144.90
2005	2	815,051.610	0.000	251,640.65	882770.318532136		1,949,462.577	144.42
2005	3	691,828.068	0.000	240,020.01	840039.719308775		1,771,887.800	145.26
2005	4	333,898.001	5,464.434	235,814.11	733754.085150958		1,308,930.627	144.96
2005	5	93,037.056	19,401.990	208,959.99	699938.461756231		1,021,337.501	144.30
2005	6	13,264.114	118,438.119	195,542.20	741986.994304332		1,069,231.423	144.34
2005	7	0.000	332,639.741	184,881.46	815799.654554376		1,333,320.855	144.27
2005	8	0.000	415,806.318	187,770.49	856504.051450748		1,460,080.863	144.23

Page 472 of 768

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2005	9	0.000	320,387.408	206,578.42	809099.925910332		1,336,065.753	144.19
2005	10	7,924.746	142,888.402	219,994.28	662936.527188102		1,033,743.952	144.22
2005	11	201,313.000	9,069.196	242,304.93	667449.119000989		1,120,136.249	144.42
2005	12	738,865.250	1,444.546	275,713.16	884416.285813703		1,900,439.239	144.64
2006	1	761,084.529	0.000	294,236.79	1152402.135577370		2,207,723.455	144.83
2006	2	578,459.101	0.000	252,801.66	973575.649096354		1,804,836.408	144.53
2006	3	636,176.460	1,194.808	235,567.00	753889.218867332		1,626,827.484	145.01
2006	4	331,732.512	14,445.253	223,606.49	692631.362658680		1,262,415.620	144.56
2006	5	28,257.276	25,275.962	213,823.24	672798.109503158		940,154.584	144.26
2006	6	5,577.973	97,676.530	195,433.99	759089.582177139		1,057,778.074	144.12
2006	7	0.000	239,462.909	185,717.75	846096.127161729		1,271,276.787	144.12
2006	8	0.000	362,082.434	184,634.32	877456.823561938		1,424,173.576	144.25
2006	9	1,316.260	240,524.728	207,581.83	805659.047583289		1,255,081.861	144.27
2006	10	53,728.934	33,398.632	224,530.73	659579.646988666		971,237.941	144.31
2006	11	288,397.691	2,244.732	239,099.14	702345.888454291		1,232,087.454	144.55
2006	12	497,505.065	2,566.459	275,278.32	999627.869207884		1,774,977.718	144.55
2007	1	550,429.687	290.972	287,659.62	1056026.579793600		1,894,406.857	144.82
2007	2	985,387.749	0.000	246,183.98	983081.353545005		2,214,653.080	144.84
2007	3	827,473.568	1,975.210	235,143.96	781245.636465433		1,845,838.374	144.49
2007	4	302,131.688	27,183.099	235,063.07	706525.022659841		1,270,902.878	144.18
2007	5	110,744.646	45,838.522	209,902.56	678614.381287887		1,045,100.111	143.84
2007	6	4,627.911	164,635.323	190,823.87	785824.797477690		1,145,911.905	143.74
2007	7	0.000	263,360.515	179,770.92	828226.091701994		1,271,357.531	143.67
2007	8	0.000	304,042.134	183,460.70	856885.882694867		1,344,388.713	143.97
2007	9	0.000	345,223.784	203,223.14	897167.150928638		1,445,614.073	144.12
2007	10	9,198.468	156,304.245	217,934.75	685312.601131377		1,068,750.061	144.09
2007	11	182,257.105	26,891.900	241,712.83	689443.898591369		1,140,305.734	144.18
2007	12	555,794.696	0.000	272,558.61	861817.214190626		1,690,170.525	144.54
2008	1	773,876.934	0.000	283,551.75	1057483.612605460		2,114,912.301	144.83
2008	2	842,040.532	0.000	243,139.25	921431.621952459		2,006,611.404	144.69
2008	3	716,622.604	0.000	232,324.36	856118.099747319		1,805,065.064	144.37
2008	4	338,012.797	1,307.859	230,278.06	771580.497053014		1,341,179.216	143.99
2008	5	71,660.260	16,273.406	201,915.65	671407.011834967		961,256.323	143.80
2008	6	5,152.041	101,443.042	189,461.46	769916.408595419		1,065,972.952	143.71
2008	7	0.000	208,283.178	179,114.80	857807.938039090		1,245,205.920	143.79

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2008	8	0.000	247,669.066	182,355.04	872113.573796516		1,302,137.681	143.83
2008	9	0.000	233,611.157	199,502.88	804747.130705746		1,237,861.166	143.86
2008	10	11,955.005	88,554.970	213,790.79	678598.713859242		992,899.482	143.88
2008	11	195,023.345	10,510.109	232,058.22	788969.648574988		1,226,561.320	144.02
2008	12	553,609.376	1,655.352	268,150.52	976720.422539111		1,800,135.671	144.28
2009	1	898,384.209	355.358	276,031.80	1036939.847257610		2,211,711.211	144.48
2009	2	877,156.874	39.447	237,151.29	844602.436355630		1,958,950.051	144.47
2009	3	630,498.894	1,062.936	224,435.35	812650.432519565		1,668,647.614	144.14
2009	4	325,867.805	11,033.665	218,325.62	727459.430356504		1,282,686.519	143.82
2009	5	81,998.108	36,829.727	198,720.97	713469.445044578		1,031,018.250	143.60
2009	6	9,145.946	117,920.257	184,834.99	786732.057222968		1,098,633.251	143.53
2009	7	46.525	247,965.886	174,959.74	899556.959160632		1,322,529.108	143.57
2009	8	0.000	289,319.984	174,237.77	884074.452808581		1,347,632.206	143.69
2009	9	350.273	234,572.061	194,171.60	813438.363493564		1,242,532.301	143.78
2009	10	32,023.577	74,430.509	208,564.21	718308.664345828		1,033,326.961	143.75
2009	11	194,274.066	10,378.436	225,961.75	789111.831217890		1,219,726.079	143.89
2009	12	551,590.923	1,634.868	261,142.53	977000.114853072		1,791,368.440	144.17
2010	1	897,082.131	351.881	260,377.43	1038180.290577850		2,195,991.733	144.41
2010	2	876,292.328	39.078	223,804.10	845972.206096903		1,946,107.713	144.35
2010	3	630,273.854	1,053.501	211,911.97	814251.635570242		1,657,490.957	144.01
2010	4	326,487.172	10,959.890	206,394.72	729986.766096278		1,273,828.549	143.68
2010	5	82,151.000	36,582.410	187,855.99	715868.886489748		1,022,458.282	143.46
2010	6	9,162.293	117,120.969	174,717.89	789042.373892137		1,090,043.528	143.39
2010	7	46.674	246,643.261	165,477.77	902262.816836186		1,314,430.524	143.45
2010	8	0.000	287,828.925	164,826.36	886777.301220584		1,339,432.590	143.56
2010	9	351.552	233,410.392	183,726.32	816551.503467828		1,234,039.765	143.61
2010	10	32,170.355	74,130.768	197,413.61	721672.550431729		1,025,387.288	143.62
2010	11	195,152.107	10,336.079	213,869.16	792499.585471705		1,211,856.926	143.76
2010	12	554,240.412	1,628.582	247,230.17	980950.279774816		1,784,049.447	144.01
2011	1	901,902.931	351.076	247,031.41	1042541.944129090		2,191,827.362	144.26
2011	2	881,300.881	39.002	212,431.82	850213.546330340		1,943,985.252	144.06
2011	3	633,073.228	1,050.171	200,837.60	817260.322881554		1,652,221.321	144.10
2011	4	327,828.745	10,922.095	195,539.46	732825.602048840		1,267,115.903	143.82
2011	5	82,517.550	36,469.579	178,057.41	718967.426523451		1,016,011.965	143.49
2011	6	9,204.957	116,779.647	165,634.19	792249.205042927		1,083,868.000	143.41

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
2011	7	46.924	246,072.657	156,984.40	905850.238706384	1,308,954.217	143.39
2011	8	0.000	287,221.777	156,399.44	890337.522807925	1,333,958.740	143.49
2011	9	353.499	232,913.528	174,329.95	820345.680236826	1,227,942.653	143.54
2011	10	32,362.465	73,995.613	187,392.73	725588.912405169	1,019,339.724	143.58
2011	11	196,295.785	10,316.247	202,988.86	796353.819232176	1,205,954.714	143.75
2011	12	557,428.740	1,625.307	234,625.81	985113.393700412	1,778,793.252	144.03
2012	1	907,183.187	350.702	234,304.14	1047359.729259380	2,189,197.762	144.31
2012	2	886,329.375	38.956	201,457.41	854387.925053244	1,942,213.667	144.13
2012	3	636,592.092	1,048.782	190,434.28	821255.795263664	1,649,330.951	144.20
2012	4	329,596.387	10,906.002	185,392.81	736861.721899222	1,262,756.925	143.95
2012	5	82,953.218	36,412.280	168,798.73	722825.763707976	1,010,989.988	143.63
2012	6	9,252.508	116,584.590	157,003.49	796070.710696167	1,078,911.302	143.58
2012	7	47.152	245,590.042	148,780.75	909481.686130201	1,303,899.626	143.57
2012	8	0.000	286,641.657	148,215.98	893784.415698712	1,328,642.053	143.69
2012	9	355.174	232,429.850	165,197.00	823962.319100035	1,221,944.342	143.75
2012	10	32,506.302	73,820.659	177,545.02	729009.679650264	1,012,881.657	143.80
2012	11	197,158.414	10,291.398	192,311.61	799751.255455244	1,199,512.680	143.99
2012	12	559,852.314	1,621.324	222,273.53	988804.484054891	1,772,551.655	144.28
2013	1	910,789.050	350.059	224,354.30	1050649.356940360	2,186,142.767	144.56
2013	2	889,651.129	38.877	192,866.97	857203.713518738	1,939,760.688	144.39
2013	3	638,829.704	1,046.479	182,279.73	823917.301903200	1,646,073.212	144.47
2013	4	330,567.097	10,876.384	177,388.53	739358.551006245	1,258,190.561	144.22
2013	5	83,179.074	36,307.070	161,482.64	725155.686807195	1,006,124.470	143.91
2013	6	9,275.424	116,225.351	150,169.69	798295.956414841	1,073,966.417	143.85
2013	7	47.245	244,725.788	142,257.01	911472.992903512	1,298,503.033	143.85
2013	8	0.000	285,584.529	141,693.25	895630.253238241	1,322,908.031	143.97
2013	9	355.730	231,536.838	157,902.81	825856.441614394	1,215,651.815	144.03
2013	10	32,544.981	73,513.499	169,660.52	730690.197624676	1,006,409.201	144.08
2013	11	197,357.981	10,247.183	183,746.86	801362.187542771	1,192,714.213	144.26
2013	12	560,310.043	1,614.117	212,343.26	990443.696352462	1,764,711.120	144.56
2014	1	911,404.256	348.844	213,460.29	1052776.248902870	2,177,989.636	144.83
2014	2	890,276.291	38.743	183,507.17	859120.538884673	1,932,942.739	144.66
2014	3	639,299.639	1,042.907	173,439.50	825834.233822904	1,639,616.275	144.74
2014	4	330,781.594	10,838.294	168,779.40	741330.952506019	1,251,730.237	144.48
2014	5	83,236.253	36,181.172	153,651.08	727101.792574895	1,000,170.297	144.17

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
2014	6	9,282.278	115,827.494	142,893.40	800282.114167843	1,068,285.288	144.11
2014	7	47.279	243,881.438	135,364.73	913469.708152767	1,292,763.159	144.10
2014	8	0.000	284,612.545	134,834.87	897603.516241239	1,317,050.935	144.22
2014	9	356.024	230,759.622	150,267.12	827976.866157310	1,209,359.637	144.28
2014	10	32,571.196	73,264.427	161,456.41	732737.830304711	1,000,029.862	144.32
2014	11	197,526.742	10,212.903	174,869.49	803426.668204242	1,186,035.807	144.50
2014	12	560,818.892	1,608.791	202,094.00	992695.946813505	1,757,217.632	144.79
2015	1	912,165.755	348.056	205,793.79	1055233.194132640	2,173,540.794	145.06
2015	2	891,042.337	38.657	176,921.12	861337.926627406	1,929,340.045	144.88
2015	3	639,866.196	1,040.603	167,219.48	828049.354235931	1,636,175.630	144.96
2015	4	331,064.588	10,814.030	162,725.78	743640.817774728	1,248,245.211	144.69
2015	5	83,309.580	36,101.127	148,144.22	729387.624480294	996,942.554	144.37
2015	6	9,290.683	115,574.319	137,776.03	802626.146175055	1,065,267.180	144.31
2015	7	47.320	243,337.033	130,514.69	915815.666625869	1,289,714.710	144.30
2015	8	0.000	283,984.564	130,007.45	899901.527218252	1,313,893.537	144.41
2015	9	356.344	230,256.225	144,891.10	830405.528020323	1,205,909.192	144.47
2015	10	32,599.907	73,103.903	155,681.68	735092.456105824	996,477.947	144.51
2015	11	197,704.744	10,190.789	168,619.70	805775.926063676	1,182,291.157	144.68
2015	12	561,336.009	1,605.351	194,876.88	995242.176542409	1,753,060.416	144.97
2016	1	913,011.834	347.737	199,702.81	1058336.163857510	2,171,398.547	145.24
2016	2	891,912.186	38.623	171,692.92	864146.865906545	1,927,790.598	145.06
2016	3	640,522.819	1,039.750	162,285.93	830859.404072026	1,634,707.900	145.12
2016	4	331,429.487	10,805.968	157,935.79	746616.347967929	1,246,787.595	144.86
2016	5	83,405.681	36,075.962	143,790.40	732350.835240896	995,622.874	144.54
2016	6	9,301.963	115,500.164	133,734.27	805701.642279004	1,064,238.034	144.47
2016	7	47.382	243,202.802	126,698.10	918970.865283548	1,288,919.153	144.46
2016	8	0.000	283,844.215	126,212.84	902990.709637093	1,313,047.763	144.57
2016	9	356.857	230,155.601	140,669.98	833658.507440391	1,204,840.942	144.62
2016	10	32,649.646	73,077.706	151,160.93	738311.849684915	995,200.127	144.65
2016	11	198,019.563	10,187.737	163,732.72	808996.603027600	1,180,936.622	144.82
2016	12	562,269.172	1,604.969	189,240.31	998770.517664317	1,751,884.968	145.11
2017	1	914,031.236	347.932	193,149.26	1061652.051766300	2,169,180.484	145.37
2017	2	892,955.737	38.647	166,066.02	867147.223719893	1,926,207.629	145.19
2017	3	641,311.093	1,040.434	156,975.08	833859.901292133	1,633,186.510	145.25
2017	4	331,848.578	10,813.321	152,775.83	749774.129755943	1,245,211.854	144.98

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2017	5	83,515.936	36,102.220	139,098.87	735500.628501500		994,217.649	144.66
2017	6	9,314.762	115,589.348	129,376.35	808976.886346309		1,063,257.346	144.59
2017	7	47.447	243,389.295	122,572.07	922264.724972197		1,288,273.535	144.57
2017	8	0.000	284,073.607	122,107.48	906202.199919604		1,312,383.285	144.68
2017	9	357.386	230,350.889	136,099.67	837021.937418950		1,203,829.878	144.73
2017	10	32,697.699	73,138.154	146,249.18	741568.327887779		993,653.362	144.76
2017	11	198,320.393	10,196.534	158,418.05	812241.357599303		1,179,176.330	144.93
2017	12	563,149.224	1,606.410	183,103.83	1002316.299863210		1,750,175.760	145.21
2018	1	915,598.266	348.613	186,952.19	1065825.166220950		2,168,724.230	145.47
2018	2	894,515.061	38.723	160,741.45	870901.181727502		1,926,196.418	145.29
2018	3	642,450.748	1,042.518	151,945.27	837585.658919761		1,633,024.193	145.35
2018	4	332,424.502	10,834.445	147,876.07	753611.494763376		1,244,746.508	145.08
2018	5	83,663.028	36,173.403	134,640.14	739311.792520546		993,788.360	144.75
2018	6	9,331.426	115,819.526	125,231.64	812932.911313523		1,063,315.501	144.68
2018	7	47.531	243,865.403	118,643.84	926206.563756401		1,288,763.335	144.66
2018	8	0.000	284,637.273	118,197.33	910028.192677212		1,312,862.796	144.77
2018	9	358.044	230,814.408	131,745.02	841009.178408923		1,203,926.646	144.81
2018	10	32,757.753	73,284.071	141,570.87	745445.614166739		993,058.305	144.84
2018	11	198,694.064	10,217.225	153,355.48	816099.000309385		1,178,365.769	145.01
2018	12	564,236.959	1,609.724	177,258.09	1006538.341621830		1,749,643.117	145.28
2019	1	917,460.856	349.621	181,076.66	1070557.737751340		2,169,444.876	145.55
2019	2	896,373.523	38.836	155,694.30	875161.761361366		1,927,268.417	145.36
2019	3	643,812.997	1,045.595	147,178.59	841815.669049830		1,633,852.847	145.42
2019	4	333,133.522	10,866.427	143,241.05	758010.946706781		1,245,251.942	145.14
2019	5	83,844.598	36,281.107	130,423.23	743689.184116763		994,238.116	144.81
2019	6	9,351.927	116,166.364	121,311.50	817484.353847920		1,064,314.150	144.74
2019	7	47.636	244,596.635	114,932.89	930767.343136445		1,290,344.499	144.71
2019	8	0.000	285,493.859	114,501.68	914437.747891448		1,314,433.287	144.81
2019	9	358.848	231,511.570	127,627.29	845586.989396977		1,205,084.696	144.86
2019	10	32,831.593	73,505.481	137,148.99	749916.255699946		993,402.319	144.88
2019	11	199,144.922	10,248.170	148,566.81	820529.333982640		1,178,489.233	145.05
2019	12	565,522.528	1,614.604	171,723.79	1011374.938856960		1,750,235.864	145.32
2020	1	919,795.430	350.519	175,619.05	1075894.032282660		2,171,659.033	145.58
2020	2	898,673.663	38.937	151,004.13	879955.714439926		1,929,672.448	145.39
2020	3	645,473.483	1,048.306	142,746.52	846561.792402988		1,635,830.100	145.45

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2020	4	333,999.038	10,894.774	138,930.23	762943.856089334	1,246,767.894	145.17	
2020	5	84,063.101	36,375.953	126,499.16	748587.319176530	995,525.530	144.84	
2020	6	9,376.382	116,470.837	117,662.65	822575.058342163	1,066,084.927	144.76	
2020	7	47.761	245,239.801	111,477.06	935861.845440620	1,292,626.471	144.73	
2020	8	0.000	286,246.323	111,059.76	919360.183536089	1,316,666.267	144.83	
2020	9	359.794	232,122.783	123,791.65	850677.982174261	1,206,952.212	144.87	
2020	10	32,918.467	73,700.263	133,027.46	754858.180061780	994,504.370	144.90	
2020	11	199,672.463	10,275.372	144,103.12	825411.835792492	1,179,462.791	145.06	
2020	12	567,020.620	1,618.894	166,565.21	1016687.605720320	1,751,892.332	145.33	
2021	1	922,582.663	351.835	172,594.12	1081116.554196530	2,176,645.168	145.59	
2021	2	901,423.214	39.084	148,407.34	884652.642905695	1,934,522.279	145.40	
2021	3	647,468.614	1,052.295	140,295.85	851220.724532788	1,640,037.486	145.45	
2021	4	335,049.053	10,936.762	136,549.58	767789.628457583	1,250,325.028	145.17	
2021	5	84,330.338	36,517.240	124,335.54	753413.912185121	998,597.027	144.84	
2021	6	9,406.540	116,926.924	115,654.10	827608.752720007	1,069,596.322	144.76	
2021	7	47.918	246,219.020	109,579.49	940922.036728246	1,296,768.470	144.73	
2021	8	0.000	287,396.392	109,172.33	924257.846487485	1,320,826.573	144.82	
2021	9	361.000	233,060.523	121,690.90	855752.529425131	1,210,864.947	144.86	
2021	10	33,031.898	74,004.779	130,777.85	759828.460010861	997,642.984	144.88	
2021	11	200,363.912	10,317.993	141,668.99	830331.073209061	1,182,681.969	145.04	
2021	12	568,995.925	1,625.640	163,755.30	1022057.623969640	1,756,434.492	145.31	
2022	1	925,712.574	353.600	170,649.88	1087179.513170320	2,183,895.562	145.57	
2022	2	904,493.806	39.280	146,737.94	890093.725905159	1,941,364.748	145.37	
2022	3	649,683.908	1,057.603	138,720.08	856604.640105869	1,646,066.228	145.42	
2022	4	336,219.438	10,992.704	135,021.68	773389.592814945	1,255,623.419	145.14	
2022	5	84,626.282	36,704.576	122,946.53	758981.162333583	1,003,258.551	144.80	
2022	6	9,439.741	117,528.917	114,364.51	833407.994092913	1,074,741.166	144.72	
2022	7	48.090	247,496.632	108,360.67	946721.317951275	1,302,626.705	144.69	
2022	8	0.000	288,892.623	107,960.18	929859.482911156	1,326,712.286	144.79	
2022	9	362.302	234,277.377	120,341.87	861548.574634831	1,216,530.125	144.82	
2022	10	33,150.920	74,390.829	129,327.74	765453.871284376	1,002,323.360	144.84	
2022	11	201,088.891	10,371.972	140,100.57	835897.199611244	1,187,458.628	145.00	
2022	12	571,064.891	1,634.172	161,945.55	1028138.014466040	1,762,782.632	145.27	
2023	1	928,899.930	355.639	169,208.11	1093639.501653390	2,192,103.182	145.52	
2023	2	907,613.715	39.507	145,499.62	895886.342598326	1,949,039.185	145.32	

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2023	3	651,930.551	1,063.720	137,550.97	862331.308179788		1,652,876.548	145.37
2023	4	337,364.152	11,055.685	133,879.09	779278.272246941		1,261,577.203	145.09
2023	5	84,915.644	36,915.370	121,908.01	764835.753322456		1,008,574.781	144.75
2023	6	9,472.195	118,205.835	113,400.55	839508.444824401		1,080,587.029	144.67
2023	7	48.253	248,909.886	107,444.35	952773.074206690		1,309,175.561	144.63
2023	8	0.000	290,548.030	107,049.52	935705.396979870		1,333,302.948	144.72
2023	9	363.548	235,624.618	119,329.34	867598.643374025		1,222,916.149	144.76
2023	10	33,264.259	74,816.636	128,238.54	771323.625884512		1,007,643.060	144.78
2023	11	201,782.317	10,431.590	138,924.08	841710.740387457		1,192,848.729	144.93
2023	12	573,052.971	1,643.609	160,589.99	1034498.521311570		1,769,785.087	145.20
2024	1	932,024.473	357.870	168,021.99	1100683.676531400		2,201,088.006	145.44
2024	2	910,671.165	39.755	144,480.36	902201.237279886		1,957,392.515	145.25
2024	3	654,128.969	1,070.401	136,587.84	868569.980815784		1,660,357.186	145.29
2024	4	338,500.008	11,125.051	132,941.65	785725.957846059		1,268,292.665	145.01
2024	5	85,201.788	37,147.060	121,054.78	771241.224310532		1,014,644.853	144.67
2024	6	9,504.111	118,947.645	112,606.92	846176.257331995		1,087,234.929	144.58
2024	7	48.415	250,472.742	106,693.21	959422.445761799		1,316,636.814	144.55
2024	8	0.000	292,371.855	106,301.09	942113.810541129		1,340,786.757	144.64
2024	9	364.774	237,103.520	118,495.11	874215.640871462		1,230,179.047	144.67
2024	10	33,376.740	75,287.030	127,344.21	777774.559364080		1,013,782.542	144.68
2024	11	202,464.257	10,497.153	137,955.07	848083.175698247		1,198,999.658	144.83
2024	12	574,987.183	1,653.932	159,469.33	1041452.782485740		1,777,563.229	145.10
2025	1	935,187.212	360.279	166,986.66	1107523.680350100		2,210,057.834	145.35
2025	2	913,759.016	40.023	143,589.92	908330.799290139		1,965,719.755	145.15
2025	3	656,344.413	1,077.599	135,745.70	874622.653279787		1,667,790.365	145.19
2025	4	339,640.806	11,199.689	132,122.32	791985.649311645		1,274,948.465	144.90
2025	5	85,488.527	37,396.126	120,308.32	777458.655512730		1,020,651.629	144.56
2025	6	9,536.024	119,744.379	111,911.90	852648.682457080		1,093,840.981	144.48
2025	7	48.576	252,137.786	106,031.98	965852.064766583		1,324,070.403	144.44
2025	8	0.000	294,313.329	105,641.60	948306.472605479		1,348,261.399	144.53
2025	9	365.974	238,676.591	117,759.35	880599.987395037		1,237,401.902	144.56
2025	10	33,483.696	75,780.041	126,546.25	783935.373372703		1,019,745.361	144.57
2025	11	203,111.673	10,565.826	137,089.83	854161.171100872		1,204,928.503	144.72
2025	12	576,820.709	1,664.739	158,467.96	1048077.324652940		1,785,030.732	144.99
2026	1	938,126.893	362.737	166,006.65	1114792.093446310		2,219,288.370	145.23

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2026	2	916,628.993	40.296	142,746.90	914843.646544959		1,974,259.832	145.03
2026	3	658,403.343	1,084.943	134,948.26	881052.284826820		1,675,488.830	145.08
2026	4	340,674.014	11,274.945	131,337.96	798578.394788694		1,281,865.317	144.79
2026	5	85,748.316	37,647.284	119,593.83	784009.369516682		1,026,998.797	144.44
2026	6	9,564.948	120,547.943	111,246.76	859471.870314103		1,100,831.516	144.36
2026	7	48.719	253,811.264	105,396.77	972610.453807878		1,331,867.204	144.32
2026	8	0.000	296,265.044	105,008.22	954816.494541170		1,356,089.761	144.41
2026	9	367.053	240,258.189	117,052.86	887310.006896064		1,244,988.113	144.44
2026	10	33,580.777	76,278.546	125,783.87	790438.066959106		1,026,081.258	144.45
2026	11	203,699.409	10,635.274	136,263.31	860575.685950415		1,211,173.682	144.60
2026	12	578,485.458	1,675.669	157,511.58	1055069.990126790		1,792,742.698	144.86
2027	1	940,887.335	365.250	165,046.92	1122159.660223110		2,228,459.168	145.10
2027	2	919,327.565	40.575	141,921.93	921448.763149405		1,982,738.837	144.90
2027	3	660,342.139	1,092.460	134,168.50	887575.675648488		1,683,178.778	144.95
2027	4	341,678.948	11,353.110	130,580.31	805326.767629259		1,288,939.138	144.65
2027	5	86,001.431	37,908.330	118,904.25	790719.807629816		1,033,533.816	144.31
2027	6	9,593.188	121,383.838	110,605.44	866468.759740414		1,108,051.228	144.22
2027	7	48.864	255,573.626	104,790.33	979587.896655961		1,340,000.721	144.18
2027	8	0.000	298,322.155	104,404.12	961539.194562391		1,364,265.465	144.27
2027	9	368.141	241,926.513	116,379.63	894240.636037913		1,252,914.916	144.30
2027	10	33,680.978	76,809.700	125,062.11	797187.472077773		1,032,740.259	144.31
2027	11	204,307.431	10,709.334	135,481.59	867237.035937845		1,217,735.390	144.46
2027	12	580,212.293	1,687.337	156,608.01	1062340.254310340		1,800,847.899	144.72
2028	1	943,678.113	367.814	164,133.92	1129999.202921450		2,238,179.053	144.96
2028	2	922,075.238	40.860	141,139.56	928485.751030036		1,991,741.410	144.76
2028	3	662,330.732	1,100.168	133,431.38	894534.109688577		1,691,396.389	144.80
2028	4	342,727.746	11,433.829	129,868.31	812543.292130798		1,296,573.175	144.51
2028	5	86,267.529	38,178.601	118,258.35	797904.695459818		1,040,609.172	144.16
2028	6	9,623.123	122,251.804	110,007.00	873971.368659637		1,115,853.298	144.07
2028	7	49.019	257,412.787	104,227.47	987079.599950894		1,348,768.879	144.03
2028	8	0.000	300,474.935	103,845.45	968765.533081166		1,373,085.918	144.11
2028	9	369.327	243,676.944	115,759.13	901706.005999918		1,261,511.407	144.14
2028	10	33,791.155	77,368.852	124,400.56	804481.023740221		1,040,041.587	144.15
2028	11	204,980.602	10,787.494	134,767.44	874450.722099422		1,224,986.255	144.30
2028	12	582,138.736	1,699.686	155,785.59	1070236.125732670		1,809,860.133	144.56

Residential Model Output

Year	Month	Usage					Total	Customers
		Heat	Cool	Lighting	Other			
2029	1	946,879.085	370.555	163,308.66	1137633.397666380		2,248,191.693	144.80
2029	2	925,230.338	41.166	140,433.23	935340.172206583		2,001,044.907	144.60
2029	3	664,616.862	1,108.420	132,766.73	901313.685539589		1,699,805.700	144.64
2029	4	343,922.818	11,519.917	129,225.86	819565.104195265		1,304,233.704	144.35
2029	5	86,571.103	38,467.028	117,676.32	804897.615011706		1,047,612.069	144.00
2029	6	9,657.318	123,178.691	109,468.53	881275.760936280		1,123,580.297	143.91
2029	7	49.195	259,376.338	103,721.73	994371.183834750		1,357,518.443	143.87
2029	8	0.000	302,774.754	103,344.17	975800.353090435		1,381,919.277	143.95
2029	9	370.683	245,548.041	115,203.11	908979.529504132		1,270,101.366	143.98
2029	10	33,917.127	77,966.605	123,808.52	811591.670051209		1,047,283.918	143.99
2029	11	205,751.175	10,871.098	134,129.17	881489.436292636		1,232,240.879	144.14
2029	12	584,346.657	1,712.902	155,051.61	1077949.288566400		1,819,060.457	144.40
2030	1	950,598.880	373.479	163,016.88	1145891.902214130		2,259,881.141	144.64
2030	2	928,891.538	41.492	140,185.35	942749.726546363		2,011,868.107	144.44
2030	3	667,265.638	1,117.216	132,535.16	908636.843993926		1,709,554.863	144.48
2030	4	345,307.310	11,611.722	129,004.03	827137.257917657		1,313,060.323	144.19
2030	5	86,922.222	38,774.491	117,477.03	812432.957826148		1,055,606.700	143.84
2030	6	9,696.794	124,166.298	109,285.74	889140.020361407		1,132,288.852	143.75
2030	7	49.398	261,464.022	103,551.30	1002197.893390790		1,367,262.615	143.71
2030	8	0.000	305,219.006	103,176.74	983346.878126838		1,391,742.623	143.79
2030	9	372.235	247,535.919	115,018.99	916785.923453829		1,279,713.068	143.82
2030	10	34,060.083	78,599.435	123,612.53	819202.376368827		1,055,474.429	143.83
2030	11	206,624.529	10,959.589	133,919.85	889027.238686585		1,240,531.211	143.98
2030	12	586,845.328	1,726.887	154,813.26	1086215.391354860		1,829,600.869	144.24
2031	1	954,953.348	376.470	162,349.22	1153685.474504410		2,271,364.513	144.48
2031	2	933,157.588	41.824	139,612.38	949735.858235552		2,022,547.646	144.27
2031	3	670,337.121	1,126.180	131,994.37	915534.980436561		1,718,992.647	144.31
2031	4	346,900.196	11,704.969	128,478.03	834255.101110808		1,321,338.299	144.02
2031	5	87,324.224	39,086.209	116,999.09	819510.344993180		1,062,919.865	143.67
2031	6	9,741.736	125,165.369	108,841.89	896519.022440456		1,140,268.018	143.58
2031	7	49.628	263,570.952	103,131.03	1009530.615048190		1,376,282.225	143.54
2031	8	0.000	307,680.371	102,758.62	990409.845115041		1,400,848.836	143.62
2031	9	373.973	249,533.655	114,553.61	924081.616319172		1,288,542.855	143.65
2031	10	34,219.913	79,235.541	123,113.98	826317.549826127		1,062,886.987	143.66
2031	11	207,595.775	11,048.341	133,380.44	896063.416964237		1,248,087.969	143.80

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
2031	12	589,607.677	1,740.878	154,190.30	1093916.680840970	1,839,455.537	144.06
2032	1	959,512.978	379.544	161,699.95	1161701.731581210	2,283,294.202	144.30
2032	2	937,615.059	42.166	139,054.23	956916.448597910	2,033,627.905	144.10
2032	3	673,539.350	1,135.376	131,466.63	922619.848091336	1,728,761.204	144.13
2032	4	348,575.400	11,801.145	127,968.17	841589.730293100	1,329,934.448	143.84
2032	5	87,745.935	39,407.348	116,534.81	826796.942083830	1,070,485.035	143.49
2032	6	9,788.754	126,193.361	108,409.71	904109.416213901	1,148,501.240	143.40
2032	7	49.870	265,746.428	102,724.39	1017096.034365550	1,385,616.724	143.36
2032	8	0.000	310,218.572	102,353.05	997689.325951372	1,410,260.945	143.44
2032	9	375.790	251,591.264	114,101.13	931595.339931388	1,297,663.522	143.46
2032	10	34,387.690	79,892.412	122,631.49	833664.920449495	1,070,576.513	143.47
2032	11	208,612.516	11,139.876	132,857.08	903323.555243060	1,255,933.027	143.62
2032	12	592,491.076	1,755.289	153,584.28	1101857.701231710	1,849,688.349	143.88
2033	1	964,272.421	382.709	161,069.38	1169972.577951380	2,295,697.085	144.12
2033	2	942,266.394	42.517	138,512.02	964323.110767812	2,045,144.038	143.91
2033	3	676,880.068	1,144.842	130,953.84	929925.874829008	1,738,904.625	143.95
2033	4	350,319.239	11,900.030	127,473.32	849154.261013811	1,338,846.847	143.65
2033	5	88,184.863	39,737.504	116,084.11	834310.545872125	1,078,317.025	143.30
2033	6	9,837.695	127,250.230	107,990.16	911935.758477070	1,157,013.845	143.21
2033	7	50.122	267,986.417	102,330.38	1024899.206824830	1,395,266.124	143.17
2033	8	0.000	312,832.042	101,960.03	1005195.719250040	1,419,987.792	143.25
2033	9	377.686	253,709.830	113,662.59	939342.633182976	1,307,092.736	143.27
2033	10	34,563.104	80,569.530	122,163.91	841240.185703503	1,078,536.734	143.28
2033	11	209,675.618	11,234.231	132,349.82	910808.661153843	1,264,068.329	143.43
2033	12	595,506.739	1,770.145	152,996.90	1110046.298678910	1,860,320.080	143.69
2034	1	969,276.431	385.980	160,459.74	1178506.692558530	2,308,628.846	143.92
2034	2	947,159.180	42.881	137,987.98	971964.735219261	2,057,154.781	143.72
2034	3	680,396.434	1,154.627	130,458.48	937463.135341970	1,749,472.681	143.76
2034	4	352,164.137	12,002.577	126,996.19	856960.351508355	1,348,123.258	143.46
2034	5	88,649.570	40,080.008	115,649.81	842064.004251917	1,086,443.394	143.11
2034	6	9,889.566	128,347.184	107,586.24	920013.050953600	1,165,836.045	143.02
2034	7	50.390	270,315.230	101,950.86	1032944.961937020	1,405,261.445	142.98
2034	8	0.000	315,550.281	101,581.70	1012934.485629670	1,430,066.464	143.06
2034	9	379.705	255,914.163	113,240.64	947330.188597739	1,316,864.698	143.09
2034	10	34,750.684	81,276.027	121,714.83	849053.633526019	1,086,795.169	143.10

Residential Model Output

		Usage				Total	Customers
Year	Month	Heat	Cool	Lighting	Other		
					918528.560923902	1,272,537.132	143.25
2034	11	210,813.216	11,332.706	131,862.65	1118493.251930450	1,871,448.719	143.51
2034	12	598,736.809	1,785.656	152,433.00	1187285.389636040	2,322,180.709	143.75
2035	1	974,635.063	389.393	159,870.86	979816.286462238	2,069,730.718	143.54
2035	2	952,390.680	43.260	137,480.49	945198.692402710	1,760,491.653	143.59
2035	3	684,150.591	1,164.824	129,977.55	864945.196443733	1,357,712.686	143.30
2035	4	354,128.636	12,109.300	126,529.55	849984.827600960	1,094,788.263	142.95
2035	5	89,143.550	40,436.100	115,223.79	928254.174871926	1,174,874.113	142.86
2035	6	9,944.608	129,486.498	107,188.83	1041130.669576610	1,415,484.432	142.82
2035	7	50.672	272,728.059	101,575.03	1020798.288930980	1,440,368.022	142.91
2035	8	0.000	318,363.801	101,205.93	955438.027366283	1,326,833.824	142.94
2035	9	381.831	258,193.591	112,820.37	856944.198495430	1,095,154.945	142.95
2035	10	34,946.364	82,002.445	121,261.94	926316.916201116	1,281,119.312	143.10
2035	11	211,998.347	11,433.874	131,370.17	1127006.273322520	1,882,766.711	143.37
2035	12	602,097.264	1,801.578	151,861.60	1196116.481686520	2,335,957.525	143.62
2036	1	980,177.062	392.885	159,271.10	987707.830833879	2,082,509.153	143.42
2036	2	957,795.089	43.647	136,962.59	952967.244500115	1,771,652.827	143.46
2036	3	688,024.536	1,175.238	129,485.81	872953.784230054	1,367,367.767	143.17
2036	4	356,145.180	12,217.944	126,050.86	857923.516949693	1,103,158.105	142.83
2036	5	89,650.124	40,798.395	114,786.07	936507.701855646	1,183,933.560	142.75
2036	6	10,000.996	130,644.976	106,779.89	1049328.444945060	1,425,742.456	142.71
2036	7	50.961	275,174.959	101,188.09	1028670.516131890	1,450,705.069	142.81
2036	8	0.000	321,215.873	100,818.68	963551.230655100	1,336,825.428	142.84
2036	9	383.997	260,503.347	112,386.85	864872.398807386	1,103,556.160	142.86
2036	10	35,145.765	82,738.882	120,799.11	934140.168006123	1,289,748.564	143.01
2036	11	213,205.379	11,536.411	130,866.61	1135554.351091510	1,894,166.887	143.28
2036	12	605,517.860	1,817.711	151,276.96	1205012.357768360	2,349,872.400	143.53
2037	1	985,801.830	396.419	158,661.79	995657.325011112	2,095,418.800	143.34
2037	2	963,280.861	44.039	136,436.58	960793.223450850	1,782,922.984	143.39
2037	3	691,957.439	1,185.784	128,986.54	881046.025177471	1,377,130.772	143.11
2037	4	358,188.752	12,327.840	125,568.15	865945.820412935	1,111,619.218	142.77
2037	5	90,163.605	41,164.916	114,344.88	944849.036813022	1,193,092.279	142.69
2037	6	10,058.168	131,817.171	106,367.90	1057632.726680330	1,436,134.776	142.66
2037	7	51.254	277,650.414	100,800.38	1036647.186966970	1,461,180.136	142.75
2037	8	0.000	324,101.992	100,430.96	971774.904822509	1,346,955.468	142.79
2037	9	386.193	262,841.251	111,953.12			

Residential Model Output

Year	Month	Usage				Total	Customers
		Heat	Cool	Lighting	Other		
2037	10	35,347.187	83,482.314	120,334.60	872897.958005394	1,112,062.057	142.81
2037	11	214,425.349	11,639.959	130,361.75	942063.387937143	1,298,490.446	142.97
2037	12	608,977.122	1,834.009	150,691.48	1144216.133066110	1,905,718.746	143.24
2038	1	991,424.627	399.963	158,033.96	1213910.455543930	2,363,769.009	143.50
2038	2	968,767.680	44.433	135,895.13	1003611.708322010	2,108,318.952	143.31
2038	3	695,893.257	1,196.363	128,473.16	968627.087963093	1,794,189.870	143.36
2038	4	360,233.979	12,438.089	125,071.94	889148.958872517	1,386,892.965	143.08
2038	5	90,677.709	41,532.702	113,891.71	873980.703127673	1,120,082.826	142.75
2038	6	10,115.435	132,993.714	105,945.12	953205.374856588	1,202,259.641	142.67
2038	7	51.547	280,134.755	100,402.54	1065953.846637570	1,446,542.690	142.65
2038	8	0.000	326,999.126	100,033.43	1044642.576115010	1,471,675.136	142.74
2038	9	388.394	265,188.509	111,508.74	980020.299500497	1,357,105.939	142.79
2038	10	35,548.890	84,228.382	119,858.58	880944.249694636	1,120,580.104	142.81
2038	11	215,647.288	11,743.890	129,844.72	950008.787962241	1,307,244.687	142.97
2038	12	612,442.717	1,850.370	150,092.26	1152903.516447520	1,917,288.866	143.25

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
1994	1	118233	0	39889.93	118006.1	276129
1994	2	112921.1	0	34299.75	65261.16	212482
1994	3	62980.95	11.43524	32435.44	95231.17	190659
1994	4	33966.02	760.653	31564.07	67093.26	133384
1994	5	4435.857	5556.2	28724.17	76443.77	115160
1994	6	581.7472	16345.31	26734.16	106170.8	149832
1994	7	0	45371.11	25355.82	107980.1	178707
1994	8	0	36001.03	25299.51	94889.46	156190
1994	9	0	21604.55	28241.01	62725.44	112571
1994	10	1433.408	5199.544	30398.62	91480.42	128512
1994	11	10666.79	531.9593	32995.78	114480.5	158675
1994	12	40182.33	235.1605	38226.79	133892.7	212537
1995	1	86447.23	0	40292.1	129172.7	255912
1995	2	104020.2	0	34675.35	83326.45	222022
1995	3	70125.05	0	32801.63	71526.32	174453
1995	4	26597.77	790.1123	31883.02	75260.1	134531
1995	5	9448.222	3180.46	29015.34	84227.98	125872
1995	6	628.7274	14889.9	27008.34	91098.03	133625
1995	7	0	34845.13	25600.25	131684.6	192130
1995	8	0	52328.64	25550.18	136061.2	213940
1995	9	77.08518	42807.21	28523.42	56573.28	127981
1995	10	2014.454	7778.307	30666.87	84840.37	125300
1995	11	29998.39	713.0259	33276.93	145916.7	209905
1995	12	80795.65	53.25248	38569.72	156894.4	276313
1996	1	131588.4	0	40667.09	120151.6	292407
1996	2	116750.9	0	34905.11	123435.8	275091.9
1996	3	79537.87	0	33083.77	104453.3	217075
1996	4	56335.98	919.6611	32136.68	100722.8	190115.1
1996	5	12239.46	9127.13	29237.6	84319.44	134923.6
1996	6	1748.533	20411.56	27213.55	89692.51	139066.2
1996	7	0	38665.29	25798.99	103021.7	167485.9
1996	8	0	34171.82	25732.63	100857.1	160761.5
1996	9	0	30717.53	28727.14	97450.27	156894.9
1996	10	3752.862	5510.496	30908.09	83859.13	124030.6
1996	11	30262.51	772.9288	33549.62	88148.01	152733.1

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
1996	12	83538.83	202.4548	38877.24	109672.2	232290.7
1997	1	95393.43	108.4301	41020.56	129105.6	265628
1997	2	103049.9	80.08308	35268.64	102375.3	240773.9
1997	3	55954.95	336.2259	33341.21	95964.19	185596.6
1997	4	36783.34	790.7183	32446.88	96985.98	167006.9
1997	5	16785.46	902.0991	29526.1	90162.75	137376.4
1997	6	2636.348	6918.146	27484.99	90033.77	127073.3
1997	7	0	32175.5	26070.67	107808.6	166054.8
1997	8	0	38152.09	26024.43	107881.1	172057.6
1997	9	0	21474.94	29041.9	99235.3	149752.2
1997	10	2710.95	6608.61	31247.05	81709.63	122276.2
1997	11	38852.91	1972.871	34836.64	92236.41	167898.8
1997	12	78174.42	0	38829.28	125251.6	242255.3
1998	1	88677.63	0	41476.7	129066.3	259220.6
1998	2	83892.18	0	35628.42	101832.6	221353.2
1998	3	66376.15	4.214111	33721.61	98606.22	198708.2
1998	4	39896.4	5503.662	32817.83	87277.08	165495
1998	5	5899.273	3045.402	29817.56	93134.32	131896.6
1998	6	135.9435	18187.95	27742.67	96718.25	142784.8
1998	7	58.47322	38548.59	26289.75	112201.3	177098.1
1998	8	0	38281.33	26234.31	113765.7	178281.4
1998	9	0	38494.33	29253.81	105956	173704.2
1998	10	1101.066	23095.8	31455.21	86209.13	141861.2
1998	11	22099.12	1692.041	34146.34	96281	154218.5
1998	12	46579.07	394.9747	39542.73	122264.6	208781.4
1999	1	123037.7	172.9811	41662.28	120988.5	285861.5
1999	2	76689.56	0	35809.69	97407.25	209906.5
1999	3	90483.54	0	33894.44	99257.4	223635.4
1999	4	48129.96	1256.387	32922.53	92896.14	175205
1999	5	5751.445	4216.219	29926.82	83949.56	123844
1999	6	0	20395.19	27843.88	91499.51	139738.6
1999	7	0	46857.38	26374.55	108007.6	181239.5
1999	8	0	55943.5	26308.72	116222.7	198474.9
1999	9	23.92709	29545.28	29350	102321.7	161240.9
1999	10	2609.934	6018.175	31563.32	88822.52	129013.9

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
1999	11	21605.73	334.1899	34236.55	94210.83	150387.3
1999	12	58144.43	0	39658.6	117758.8	215561.9
2000	1	110020.5	0	41816.63	124742.5	276579.7
2000	2	130381.6	0	35953.18	110299.8	276634.6
2000	3	49971.9	263.6181	34002.26	105071.7	189309.5
2000	4	28346.36	628.8316	33024.53	92274.37	154274.1
2000	5	10481.84	6800.052	30042.61	95826.04	143150.5
2000	6	24.86743	19739.93	27933.53	102504.2	150202.6
2000	7	0	35591.55	26459.67	112903.5	174954.8
2000	8	0	30051.02	26395.86	113665.8	170112.7
2000	9	122.8423	27073.84	29455.59	107972.5	164624.8
2000	10	6641.076	9161.478	31677.49	93462.8	140942.8
2000	11	22619.9	1262.806	34368.42	90503.57	148754.7
2000	12	110166.3	0	39839.97	115712.7	265718.9
2001	1	170608.8	0	41954.91	139642.5	352206.2
2001	2	118170.9	0	36081.32	107547.8	261800
2001	3	81517.1	0	34121.45	103429	219067.5
2001	4	57493.58	5098.077	33162.31	95023.41	190777.4
2001	5	8732.07	11261.59	30170.5	90854.86	141019
2001	6	535.6287	12572.52	28067.98	99470.32	140646.4
2001	7	0	30989.67	26613.56	114053.3	171656.6
2001	8	0	43435.23	26541.53	115772.7	185749.5
2001	9	25.21772	35030.4	29617.69	111098.9	175772.2
2001	10	5132.055	8397.318	31885.93	95364.38	140779.7
2001	11	24586.31	2464.463	34579.98	104397.9	166028.7
2001	12	35172.11	85.68462	40061.88	128941.7	204261.4
2002	1	123168	0	42276.67	134700.6	300145.2
2002	2	90765.02	0	36327.48	114799.7	241892.2
2002	3	79593.02	153.8083	34361.44	117908.3	232016.6
2002	4	43784.49	2408.694	33404.65	107610.6	187208.4
2002	5	11523.29	6789.372	30361.18	87657.2	136331
2002	6	6902.199	18547.02	28259.97	105350.2	159059.4
2002	7	0	42024.15	26773.71	126717.7	195515.6
2002	8	0	51340.79	26706.26	127529.7	205576.8
2002	9	0	47006.99	29789.11	110977.6	187773.7

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2002	10	2497.845	18594.4	32008.65	92094.73	145195.6
2002	11	30508.76	1834.575	34743.31	94695.48	161782.1
2002	12	100378.1	266.1232	40248.12	125447.7	266340.1
2003	1	123882.6	0	42391.01	151701.2	317974.8
2003	2	154708.2	0	36434.14	112748.9	303891.3
2003	3	102874.5	0	34453.11	109817.8	247145.4
2003	4	27943.95	2061.867	33479.96	101670.8	165156.6
2003	5	5984.417	5086.467	30446.31	93316.46	134833.7
2003	6	0	7190.075	28324.11	101158.8	136673
2003	7	0	29961.87	26866.61	117828.3	174656.8
2003	8	0	34046.47	26522.42	118908.7	179477.6
2003	9	0	34228.28	30028.83	117835.4	182092.5
2003	10	7019.226	4865.586	32175.71	95591.55	139652.1
2003	11	19143.55	1131.083	34654.36	98275.13	153204.1
2003	12	73982.97	141.5979	40167.87	135956.9	250249.3
2004	1	124499.2	115.8367	42510.78	156279.4	323405.2
2004	2	143027.5	34.42988	36460.37	127012.2	306534.5
2004	3	81933.02	305.6152	34513.16	113937.3	230689.1
2004	4	47303.28	1768.801	34093.41	103807.2	186972.6
2004	5	11341.28	9523.03	30358.45	94611.44	145834.2
2004	6	825.2321	27431.75	28525.16	109503.7	166285.8
2004	7	0	34559.81	26932.69	124340.3	185832.8
2004	8	0	32593.07	26674.35	114748.5	174015.9
2004	9	0	29310.06	29439.57	108499.3	167248.9
2004	10	1939.171	8661.191	32203.7	98079.38	140883.4
2004	11	12282.27	1698.568	34582.06	95928.16	144491.1
2004	12	63341.38	276.0288	40680.39	132446.8	236744.6
2005	1	109632.5	0	42238.39	148082.7	299953.6
2005	2	117705.7	0	36340.68	127485.3	281531.6
2005	3	100494.3	0	34865.07	122023.3	257382.7
2005	4	48400.18	792.0971	34182.43	106361.3	189736
2005	5	13425.43	2799.746	30153.34	101002.5	147381
2005	6	1914.569	17095.59	28224.95	107099.9	154335
2005	7	0	47991.27	26673.59	117698.7	192363.5
2005	8	0	59972.16	27082.33	123534.4	210588.9

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2005	9	0	46196.98	29786.75	116664.9	192648.7
2005	10	1142.931	20607.79	31728.23	95610.69	149089.7
2005	11	29073.42	1309.764	34993.44	96392.33	161769
2005	12	106870.2	208.9406	39879.43	127922.9	274881.4
2006	1	110227.9	0	42614.31	166902.4	319744.6
2006	2	83604.69	0	36537.42	140710.9	260853
2006	3	92253.86	173.2628	34160.28	109323.7	235911.1
2006	4	47955.25	2088.206	32324.55	100126.8	182494.8
2006	5	4076.338	3646.26	30845.71	97056.51	135624.8
2006	6	803.8974	14077.14	28165.95	109400	152447
2006	7	0	34510.92	26765.27	121937.7	183213.9
2006	8	0	52229.67	26633.13	126571.4	205434.2
2006	9	189.8955	34700.26	29947.62	116231.6	181069.4
2006	10	7753.784	4819.857	32402.7	95185.92	140162.3
2006	11	41686.44	324.4648	34560.59	101520.6	178092.1
2006	12	71916.35	370.9919	39792.58	144500.2	256580.1
2007	1	79710.48	42.13705	41657.43	152928.5	274338.5
2007	2	142726.5	0	35658.03	142392.5	320777
2007	3	119565	285.406	33976.89	112885.3	266712.6
2007	4	43561.04	3919.232	33891.16	101866.1	183237.5
2007	5	15929.62	6593.459	30192.59	97612.57	150328.2
2007	6	665.2299	23665.18	27429.6	112956.8	164716.8
2007	7	0	37835.95	25826.97	118987.9	182650.9
2007	8	0	43772.95	26412.84	123365.9	193551.6
2007	9	0	49752.96	29288.11	129297.9	208339
2007	10	1325.38	22521.41	31401.56	98744.64	153993
2007	11	26278.01	3877.301	34850.4	99404.71	164410.4
2007	12	80335.68	0	39396.17	124568.8	244300.6
2008	1	112076.7	0	41065.38	153150.1	306292.2
2008	2	121834.8	0	35179.82	133321.9	290336.6
2008	3	103455.2	0	33539.51	123593.5	260588.2
2008	4	48669.79	188.316	33157.28	111098.3	193113.7
2008	5	10304.67	2340.1	29035.27	96547.66	138227.7
2008	6	740.3999	14578.38	27227.51	110644.7	153191
2008	7	0	29948.83	25754.74	123343.3	179046.9

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2008	8	0	35622.74	26228.49	125437.8	187289.1
2008	9	0	33606.13	28699.49	115766.9	178072.5
2008	10	1720.134	12741.64	30761.07	97639.5	142862.3
2008	11	28088.13	1513.712	33422.05	113630.9	176654.8
2008	12	79873.5	238.8304	38688.15	140919	259719.5
2009	1	129798.6	51.34213	39881.09	149817.1	319548.1
2009	2	126722.8	5.698971	34261.23	122019.7	283009.4
2009	3	90881.11	153.2133	32350.47	117136.7	240521.5
2009	4	46866.68	1586.874	31399.84	104624	184477.4
2009	5	11775.21	5288.874	28537.01	102456.6	148057.7
2009	6	1312.722	16925.15	26529.45	112920	157687.3
2009	7	6.679742	35601.16	25119.46	129151.9	189879.2
2009	8	0	41573.62	25036.97	127036.4	193647
2009	9	50.36161	33726.3	27917.6	116954.5	178648.8
2009	10	4603.51	10699.67	29981.89	103259.6	148544.7
2009	11	27954.22	1493.36	32513.78	113545.8	175507.2
2009	12	79521.37	235.6944	37648.21	140851.5	258256.7
2010	1	129550.7	50.81632	37601.99	149927.2	317130.7
2010	2	126488.9	5.640665	32305.13	122112.3	280912
2010	3	90768.79	151.7198	30518.47	117264.3	238703.3
2010	4	46908.83	1574.689	29654.26	104882.6	183020.4
2010	5	11785.5	5248.166	26950.1	102699.6	146683.4
2010	6	1313.799	16794.21	25053.15	113142.4	156303.5
2010	7	6.695559	35381.72	23738.29	129432.3	188559
2010	8	0	41321.69	23663.03	127308.7	192293.5
2010	9	50.48573	33519.67	26384.63	117263.6	177218.4
2010	10	4620.172	10646.35	28351.72	103643.6	147261.8
2010	11	28054.36	1485.877	30745.05	113926.9	174212.1
2010	12	79817.16	234.535	35604.06	141268.4	256924.2
2011	1	130106.5	50.64548	35636.2	150394.8	316188.1
2011	2	126957.3	5.618545	30602.24	122479	280044.2
2011	3	91226.97	151.3315	28941.05	117768.7	238088
2011	4	47148.9	1570.835	28122.83	105396.3	182238.8
2011	5	11840.23	5232.927	25549	103162.8	145785
2011	6	1320.092	16747.49	23753.77	113617.3	155438.6

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2011	7	6.72826	35283.79	22509.63	129887.8	187687.9
2011	8	0	41214.13	22442.13	127756.6	191412.9
2011	9	50.74085	33432.1	25023.09	117751.3	176257.3
2011	10	4646.452	10623.95	26904.98	104176.7	146352.1
2011	11	28217.02	1482.934	29179.13	114473.8	173352.9
2011	12	80288.6	234.0993	33794.06	141889.7	256206.4
2012	1	130912.7	50.60863	33811.69	151141.2	315916.2
2012	2	127748.8	5.614777	29036.54	123145	279936
2012	3	91798.85	151.2381	27461.3	118428	237839.4
2012	4	47443.91	1569.87	26686.46	106067.9	181768.1
2012	5	11914.8	5229.996	24245.02	103821.4	145211.3
2012	6	1328.452	16738.93	22542.17	114297.8	154907.4
2012	7	6.769631	35259.53	21360.55	130574.9	187201.8
2012	8	0	41188.01	21297.4	128429.3	190914.8
2012	9	51.05771	33412.7	23747.72	118447.8	175659.3
2012	10	4674.472	10615.56	25531.33	104833.1	145654.4
2012	11	28387.93	1481.811	27690.06	115152.5	172712.3
2012	12	80777.08	233.9292	32070.26	142667.5	255748.8
2013	1	131666	50.60541	32433.23	151884.6	316034.4
2013	2	128460.9	5.613677	27848.97	123775.7	280091.2
2013	3	92293.23	151.1873	26334.38	119033.3	237812.1
2013	4	47673.45	1568.561	25582.47	106628.2	181452.7
2013	5	11970.07	5224.851	23238.53	104355.2	144788.6
2013	6	1334.315	16719.58	21602.63	114838.7	154495.3
2013	7	6.796166	35203.37	20463.42	131113.8	186787.4
2013	8	0	41115.43	20399.49	128943.4	190458.3
2013	9	51.23641	33348.69	22743.04	118949.7	175092.6
2013	10	4689.025	10591.7	24444.4	105276.6	145001.7
2013	11	28470.85	1478.258	26507.31	115604.5	172060.9
2013	12	80996.02	233.3299	30695.43	143174.3	255099.1
2014	1	132001.1	50.52402	30916.02	152476.4	315444.1
2014	2	128789.3	5.604702	26546.54	124282.2	279623.6
2014	3	92530.36	150.9473	25103.13	119528.8	237313.3
2014	4	47790.82	1565.9	24384.99	107106.4	180848.1
2014	5	11999.78	5216.068	22151.15	104822.8	144189.8

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2014	6	1337.665	16691.85	20592.3	115328.3	153950.1
2014	7	6.812919	35143.11	19505.94	131630.2	186286.1
2014	8	0	41045.85	19445.43	129449.3	189940.6
2014	9	51.36559	33292.94	21679.85	119456.7	174480.9
2014	10	4700.598	10573.35	23301.01	105747	144321.9
2014	11	28541.66	1475.715	25267.79	116091.3	171376.4
2014	12	81199.23	232.9318	29260.56	143729.4	254422.1
2015	1	132318.3	50.48882	29852.34	153071.6	315292.7
2015	2	129098.3	5.600779	25633.15	124794.6	279531.7
2015	3	92752.02	150.841	24239.35	120030.2	237172.4
2015	4	47902.47	1564.706	23545.15	107599	180611.4
2015	5	12027.78	5212.084	21388.26	105305	143933.1
2015	6	1340.78	16679.05	19883.08	115830.6	153733.5
2015	7	6.828232	35113.45	18833.23	132151.9	186105.4
2015	8	0	41011	18774.73	129957.3	189743
2015	9	51.48004	33264.5	20932.03	119966.5	174214.5
2015	10	4710.859	10563.9	22496.83	106224.7	143996.3
2015	11	28603.65	1474.39	24395.67	116578.6	171052.3
2015	12	81374.8	232.7218	28250.58	144276.6	254134.7
2016	1	132601.5	50.50371	29003.88	153707.7	315363.5
2016	2	129377.9	5.602566	24905.22	125350.3	279639.1
2016	3	92955.2	150.8927	23551.58	120577.6	237235.3
2016	4	48010.04	1565.325	22878.18	108153	180606.5
2016	5	12055.16	5214.293	20782.96	105851.4	143903.8
2016	6	1343.884	16686.67	19321.01	116402.3	153753.8
2016	7	6.844551	35131.9	18302.19	132750.1	186191
2016	8	0	41033.97	18245.97	130541	189820.9
2016	9	51.60739	33284.32	20343.21	120560.9	174240
2016	10	4722.815	10570.79	21865.63	106797.8	143957
2016	11	28677.49	1475.404	23712.02	117160.1	171025
2016	12	81588.66	232.8907	27459.92	144927.7	254209.1
2017	1	132874.3	50.57945	28078.44	154334.2	315337.5
2017	2	129648.3	5.611111	24111.13	125901.1	279666.2
2017	3	93153.05	151.1272	22801.27	121121.5	237227
2017	4	48112.91	1567.764	22150.13	108705.6	180536.4

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2017	5	12081.46	5222.566	20122.11	106397.9	143824
2017	6	1346.861	16713.55	18707.07	116973.4	153740.9
2017	7	6.859602	35187.61	17720.65	133334.9	186250
2017	8	0	41099.91	17666.57	131109.8	189876.2
2017	9	51.72413	33338.5	19697.59	121141.5	174229.3
2017	10	4733.362	10587.57	21171.22	107350.4	143842.6
2017	11	28742.36	1477.773	22959.36	117717.3	170896.8
2017	12	81775.42	233.2683	26588.68	145547.3	254144.6
2018	1	133195.9	50.71415	27196.71	155050	315493.3
2018	2	129964.1	5.626097	23354.14	126533.3	279857.2
2018	3	93381.32	151.5317	22085.51	121744.5	237362.9
2018	4	48228.03	1571.857	21453.81	109333.7	180587.4
2018	5	12110.49	5236.214	19489.58	107017.7	143854
2018	6	1350.112	16757.28	18119.07	117618.7	153845.2
2018	7	6.875857	35277.76	17163.11	133985.8	186433.5
2018	8	0	41205.58	17110.86	131740.4	190056.9
2018	9	51.84879	33424.53	19078.17	121787.6	174342.2
2018	10	4744.655	10614.51	20505.22	107970.8	143835.2
2018	11	28811.75	1481.555	22237.4	118338.9	170869.6
2018	12	81975.15	233.8688	25752.94	146234.9	254196.9
2019	1	133531.9	50.88557	26354.81	155814.4	315752
2019	2	130295	5.64517	22631.4	127211.7	280143.7
2019	3	93621.07	152.0468	21402.2	122413.9	237589.3
2019	4	48351.44	1577.168	20790.2	110018.7	180737.5
2019	5	12141.68	5253.931	18886.82	107694.9	143977.4
2019	6	1353.598	16813.92	17558.62	118322.7	154048.8
2019	7	6.893544	35396.4	16632.32	134694.5	186730.1
2019	8	0	41343.74	16581.54	132424.1	190349.4
2019	9	51.98201	33536.3	18487.83	122490	174566.1
2019	10	4756.785	10649.8	19870.74	108651.1	143928.5
2019	11	28885.25	1486.46	21549.08	119014.8	170935.6
2019	12	82183.35	234.6389	24955.39	146975.9	254349.3
2020	1	133904.1	51.02868	25566.68	156629	316150.8
2020	2	130658.7	5.66103	21954.58	127937.3	280556.2
2020	3	93882.01	152.4726	20762.01	123129.6	237926.1

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2020	4	48486.34	1581.585	20168.38	110755.9	180992.2
2020	5	12175.46	5268.591	18321.78	108423.3	144189.1
2020	6	1357.354	16860.68	17033.21	119078.5	154329.8
2020	7	6.912639	35494.58	16134.54	135451.2	187087.2
2020	8	0	41458.03	16085.16	133154.1	190697.2
2020	9	52.12496	33628.63	17934.23	123241.4	174856.4
2020	10	4769.837	10679.06	19275.48	109377.8	144102.2
2020	11	28964.16	1490.528	20903.36	119732.9	171090.9
2020	12	82406.64	235.2783	24207.37	147758	254607.2
2021	1	134316.9	51.22285	25127.61	157397.5	316893.2
2021	2	131063.3	5.68263	21577.83	128624.9	281271.7
2021	3	94174.24	153.0562	20406.02	123810	238543.3
2021	4	48639	1587.687	19822.87	111459.9	181509.4
2021	5	12214.02	5288.99	18008.19	109121	144632.2
2021	6	1361.681	16926.22	16741.96	119803.8	154833.6
2021	7	6.935112	35634.63	15859.15	136177.2	187677.9
2021	8	0	41621.9	15810.77	133854.7	191287.4
2021	9	52.29533	33761.71	17628.43	123966.4	175408.8
2021	10	4785.79	10722.1	18947.6	110086.9	144542.4
2021	11	29061	1496.533	20547.82	120432.1	171537.5
2021	12	82682.42	236.2263	23795.75	148518.1	255232.5
2022	1	134751.8	51.47194	24840.74	158255.8	317899.9
2022	2	131487.2	5.710238	21331.45	129393.9	282218.3
2022	3	94478.7	153.7994	20173.03	124569.6	239375.2
2022	4	48798.94	1595.483	19597.07	112249.9	182241.4
2022	5	12254.19	5314.953	17803.09	109903.2	145275.4
2022	6	1366.165	17009.35	16551.38	120614.8	155541.7
2022	7	6.958145	35810.59	15678.84	136982.3	188478.6
2022	8	0	41827.55	15631.1	134630.5	192089.1
2022	9	52.46935	33928.57	17428.18	124771.4	176180.6
2022	10	4801.637	10774.9	18732.06	110869.7	145178.3
2022	11	29157.29	1503.905	20314.16	121202.6	172178
2022	12	82956.82	237.3912	23525.33	149354.4	256074
2023	1	135171.2	51.75169	24622.75	159143.7	318989.5
2023	2	131895.5	5.741235	21144.17	130191.2	283236.6

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2023	3	94771.59	154.6337	19995.88	125357.7	240279.8
2023	4	48946.89	1604.028	19424.01	113062.5	183037.5
2023	5	12291.33	5343.411	17645.89	110708.1	145988.8
2023	6	1370.313	17100.47	16405.31	121449.1	156325.2
2023	7	6.978851	36000.13	15539.8	137800.7	189347.6
2023	8	0	42049.2	15492.61	135418.8	192960.6
2023	9	52.62654	34108.58	17273.89	125591.9	177027
2023	10	4815.85	10831.62	18565.8	111668.8	145882
2023	11	29244.04	1511.836	20134.08	121988	172878
2023	12	83205.26	238.6462	23317.1	150205.5	256966.5
2024	1	135558.2	52.0504	24437.93	160088.8	320136.9
2024	2	132271.5	5.774302	20985.23	131041.3	284303.9
2024	3	95040.74	155.5223	19845.34	126197.6	241239.3
2024	4	49084.82	1613.209	19277.45	113935.7	183911.1
2024	5	12325.8	5373.916	17512.51	111572.4	146784.6
2024	6	1374.134	17197.82	16281.06	122342.8	157195.8
2024	7	6.998224	36204.63	15421.99	138679.9	190313.5
2024	8	0	42287.37	15374.92	136263.2	193925.5
2024	9	52.77102	34301.25	17142.43	126470.9	177967.3
2024	10	4829.053	10892.77	18424.57	112530.9	146677.3
2024	11	29323.78	1520.349	19980.64	122831.6	173656.4
2024	12	83430.77	239.986	23139.04	151115	257924.8
2025	1	135926.5	52.36545	24270.99	160975.1	321225
2025	2	132628.9	5.809165	20841.58	131841	285317.4
2025	3	95296.08	156.459	19709.21	126988.4	242150.1
2025	4	49215.34	1622.881	19145.06	114761.9	184745.2
2025	5	12358.38	5406.053	17391.99	112390.9	147547.3
2025	6	1377.742	17300.38	16168.76	123188.6	158035.5
2025	7	7.016178	36418.4	15315.1	139506.2	191246.7
2025	8	0	42536.42	15268.14	137056.5	194861.1
2025	9	52.90482	34502.79	17023.15	127298.5	178877.3
2025	10	4840.839	10955.75	18295.17	113335.9	147427.7
2025	11	29394.94	1529.119	19840.06	123616.8	174380.9
2025	12	83631.96	241.3669	22975.92	151958.4	258807.7
2026	1	136247.3	52.68151	24109.7	161905	322314.6

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2026	2	132940.4	5.84416	20702.85	132681.5	286330.6
2026	3	95518.84	157.3997	19577.82	127820	243074
2026	4	49325.21	1632.467	19016.05	115623.9	185597.6
2026	5	12385.8	5437.912	17274.57	113245.2	148343.5
2026	6	1380.779	17402.09	16059.39	124071.9	158914.1
2026	7	7.031062	36629.48	15210.63	140365	192212.1
2026	8	0	42782.36	15163.78	137880.9	195827.1
2026	9	53.01554	34701.81	16906.59	128159.1	179820.5
2026	10	4850.689	11018.31	18169.28	114177.5	148215.8
2026	11	29454.35	1537.83	19703.28	124436.8	175132.2
2026	12	83799.75	242.7385	22817.22	152838.1	259697.8
2027	1	136527.2	52.99949	23949.1	162830.7	323360.1
2027	2	133212.4	5.879378	20564.77	133519.8	287302.8
2027	3	95713.49	158.3469	19447.09	128649.9	243968.9
2027	4	49425.41	1642.279	18889.03	116494.2	186450.9
2027	5	12410.84	5470.54	17159.04	114108.5	149149
2027	6	1383.558	17506.33	15951.84	124964.7	159806.4
2027	7	7.045211	36848.89	15108.79	141238.1	193202.8
2027	8	0	43038.24	15062.14	138719	196819.4
2027	9	53.12138	34909.06	16793.13	129035.5	180790.8
2027	10	4860.423	11084.23	18047.42	115040.3	149032.3
2027	11	29513.24	1547.017	19571	125276.8	175908
2027	12	83966.67	244.1867	22663.87	153738.9	260613.6
2028	1	136795.6	53.3183	23792.85	163804.7	324446.4
2028	2	133475.9	5.914791	20430.79	134403.8	288316.4
2028	3	95904.14	159.3021	19320.59	129526.7	244910.8
2028	4	49526.23	1652.257	18766.76	117417.4	187362.7
2028	5	12436.33	5503.83	17048.13	115026	150014.3
2028	6	1386.424	17613.08	15848.95	125914.9	160763.4
2028	7	7.060115	37074.99	15011.81	142168.4	194262.2
2028	8	0	43302.9	14965.67	139613.5	197882.1
2028	9	53.23568	35124.16	16685.79	129974	181837.2
2028	10	4871.096	11152.95	17932.71	115968.3	149925.1
2028	11	29578.6	1556.63	19446.88	126182.8	176764.9
2028	12	84154.44	245.7079	22520.49	154714.2	261634.8

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2029	1	137110.9	53.65751	23647.58	164732.7	325544.8
2029	2	133786.6	5.952522	20306.39	135248.5	289347.5
2029	3	96129.88	160.3214	19203.32	130365.6	245859.1
2029	4	49644.26	1662.866	18653.38	118301.8	188262.3
2029	5	12466.29	5539.274	16945.46	115905.7	150856.7
2029	6	1389.806	17726.91	15753.85	126826.3	161696.9
2029	7	7.077695	37316.2	14922.34	143059.1	195304.8
2029	8	0	43585.68	14876.82	140470.5	198933
2029	9	53.37148	35354.32	16587.09	130876	182870.8
2029	10	4883.788	11226.55	17827.41	116862.5	150800.3
2029	11	29656.6	1566.941	19333.14	127056.3	177613
2029	12	84379.28	247.342	22389.35	155655.2	262671.2
2030	1	137496	54.02062	23579	165743.5	326872.5
2030	2	134166	5.992925	20247.91	136167.6	290587.5
2030	3	96405.19	161.4131	19148.41	131278	246993
2030	4	49788.31	1674.242	18600.51	119261.2	189324.3
2030	5	12502.8	5577.283	16897.78	116859.5	151837.4
2030	6	1393.919	17848.97	15709.88	127814.4	162767.1
2030	7	7.098906	37574.26	14881.07	144023	196485.5
2030	8	0	43888.12	14836.01	141397.6	200121.8
2030	9	53.53459	35600.42	16541.94	131851.4	184047.3
2030	10	4898.838	11304.9	17779.1	117825.3	151808.2
2030	11	29748.82	1577.91	19281.15	127997.9	178605.8
2030	12	84644.22	249.0793	22329.65	156671.4	263894.3
2031	1	137969.2	54.39146	23455.8	166681.5	328160.9
2031	2	134628.5	6.03408	20142.16	137020.3	291797
2031	3	96738.13	162.5221	19048.46	132123.3	248072.4
2031	4	49960.29	1685.74	18503.31	120148.8	190298.1
2031	5	12546.02	5615.584	16809.46	117740.5	152711.5
2031	6	1398.742	17971.54	15627.78	128724.3	163722.4
2031	7	7.123513	37832.43	14803.22	144905.9	197548.7
2031	8	0	44189.65	14758.39	142244.6	201192.6
2031	9	53.72039	35844.98	16455.38	132742.4	185096.5
2031	10	4915.926	11382.73	17686.17	118706.2	152691
2031	11	29852.64	1588.771	19180.34	128855.5	179477.3

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2031	12	84939.74	250.7934	22212.88	157591.2	264994.6
2032	1	138459.5	54.76892	23333.59	167635.7	329483.5
2032	2	135105.9	6.075903	20037.06	137887.1	293036.2
2032	3	97080.52	163.6473	18948.93	132981.7	249174.8
2032	4	50139.25	1697.482	18407	121054.7	191298.4
2032	5	12590.84	5654.64	16721.82	118638.8	153606.1
2032	6	1403.724	18096.34	15546.14	129650.8	164697
2032	7	7.149129	38096.44	14726.2	145807.2	198637
2032	8	0	44497.58	14681.46	143108	202287
2032	9	53.91253	36094.42	16369.46	133650.9	186168.7
2032	10	4933.695	11462.38	17594.27	119608.2	153598.5
2032	11	29960.26	1599.873	19080.51	129732.4	180373.1
2032	12	85245.06	252.5435	22097.04	158530.5	266125.2
2033	1	138966.4	55.15427	23212.56	168611	330845.1
2033	2	135599.7	6.118609	19933	138773.9	294312.7
2033	3	97434.83	164.7965	18850.41	133860	250310
2033	4	50324.08	1709.464	18311.8	121982.8	192328.1
2033	5	12637.17	5694.509	16635.22	119559.3	154526.2
2033	6	1408.879	18223.81	15465.53	130600.5	165698.7
2033	7	7.175754	38366.73	14650.3	146731.4	199755.6
2033	8	0	44813.02	14605.72	143993.8	203412.5
2033	9	54.11273	36350.08	16284.92	134583.6	187272.7
2033	10	4952.282	11544.19	17503.93	120534.8	154535.2
2033	11	30073	1611.284	18982.45	130633.9	181300.7
2033	12	85565.45	254.3435	21983.37	159497.1	267300.3
2034	1	139503.1	55.55211	23094.17	169616.6	332269.4
2034	2	136123.8	6.162753	19831.36	139688.9	295650.2
2034	3	97811.88	165.9859	18754.35	134767.1	251499.3
2034	4	50522.49	1721.924	18219.24	122942	193405.7
2034	5	12687.05	5736.034	16551.18	120511.6	155485.9
2034	6	1414.449	18356.78	15387.46	131584.3	166743
2034	7	7.204689	38649.66	14576.93	147690.4	200924.2
2034	8	0	45143.85	14532.67	144914.4	204590.9
2034	9	54.33196	36618.71	16203.58	135553.3	188429.9
2034	10	4972.817	11630.59	17417.37	121499.4	155520.2

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2034	11	30198.09	1623.362	18888.76	131575.3	182285.5
2034	12	85922.56	256.2531	21875.11	160510.9	268564.8
2035	1	140102.7	55.97487	22981.26	170671	333810.9
2035	2	136710.5	6.209716	19734.57	140647.3	297098.5
2035	3	98234.59	167.2527	18662.98	135717.5	252782.3
2035	4	50744.93	1735.205	18131.08	123942.5	194553.7
2035	5	12743.08	5780.345	16471.25	121505.4	156500.1
2035	6	1420.717	18498.84	15313.33	132613.3	167846.1
2035	7	7.237166	38951.68	14507.19	148696.8	202162.9
2035	8	0	45497.4	14463.35	145882.4	205843.1
2035	9	54.57884	36906.11	16126.51	136570	189657.2
2035	10	4995.716	11722.56	17334.86	122503.4	156556.6
2035	11	30337.76	1636.23	18799.57	132559.4	183333
2035	12	86321.74	258.2895	21772.16	161577.1	269929.3
2036	1	140768.4	56.42423	22873.77	171780.6	335479.2
2036	2	137362.4	6.259669	19642.52	141652.3	298663.4
2036	3	98704.75	168.601	18576.18	136713.7	254163.2
2036	4	50990.93	1749.299	18047.27	124984.8	195772.3
2036	5	12805.07	5827.392	16395.34	122540.5	157568.3
2036	6	1427.654	18649.72	15242.95	133687.6	169007.9
2036	7	7.272912	39271.59	14441.06	149754.9	203474.8
2036	8	0	45871.9	14397.62	146901.4	207170.9
2036	9	54.85045	37210.56	16053.45	137634.6	190953.5
2036	10	5020.91	11820.05	17257.32	123555.3	157653.6
2036	11	30491.35	1649.868	18715.75	133595.1	184452.1
2036	12	86760.39	260.447	21675.41	162705.6	271401.8
2037	1	141496.3	56.89972	22773.4	172960.5	337287.1
2037	2	138075.2	6.312531	19556.6	142716	300354
2037	3	99218.78	170.0279	18495.19	137766.8	255650.8
2037	4	51259.04	1764.191	17969.58	126083.2	197076
2037	5	12872.63	5877.101	16324.98	123630.8	158705.5
2037	6	1435.21	18809.13	15177.74	134821.5	170243.5
2037	7	7.311783	39609.27	14380.06	150880.6	204877.2
2037	8	0	46267.1	14337	147986.3	208590.4
2037	9	55.14547	37531.76	15986.07	138762.2	192335.1

Residential Model Output

Year	Month	Energy				Total
		Heat	Cool	Lighting	Other	
2037	10	5048.098	11922.5	17185.55	124662.7	158818.8
2037	11	30656.94	1664.195	18638.15	134689.2	185648.5
2037	12	87232.92	262.7126	21585.8	163903.2	272984.7
2038	1	142269.3	57.39461	22677.86	174196	339200.6
2038	2	138831.9	6.367539	19474.82	143825.3	302138.3
2038	3	99764.19	171.5122	18418.09	138863.7	257217.5
2038	4	51543.18	1779.673	17895.61	127221.7	198440.1
2038	5	12944.19	5928.767	16257.97	124760.2	159891.1
2038	6	1443.211	18974.76	15115.63	135997.7	171531.3
2038	7	7.352876	39959.87	14321.94	152053.2	206342.3
2038	8	0	46677.29	14279.21	149116.9	210073.4
2038	9	55.45698	37865.02	15921.81	139932.5	193774.8
2038	10	5076.753	12028.69	17117.06	125808	160030.5
2038	11	30831.35	1679.038	18564.06	135823.9	186898.3
2038	12	87730.26	265.059	21500.19	165149.4	274644.9