
Part 1 - Appendix 3B
GMOC Reports

Missouri 4 CSR 240-22.030 (7)(A)(6) Reporting Requirements
Load Analysis and Forecasting

(7)(A)(6) For each major class specified pursuant to subsection (2)(A), the utility shall provide plots of class monthly energy and coincident peak demand at the time of summer and winter system peaks. The plots shall cover the historical database period and the forecast period of at least (20) years. The plots of coincident peak demands for the historical period shall include both actual and weather-normalized peak demands at the time of peak of summer and winter system peaks. The plots of coincident peak demand for the forecast period shall show the class coincident demands for the base-case forecast at the time of summer and winter systems peaks.

Compliance: See Plots 3B-1 through 3B-13 for base-case GMOC forecast reports designed to comply with section (7)(A)(6) reporting requirements.

Linked Files:**Work Files**

WN PeakSumWin.xls

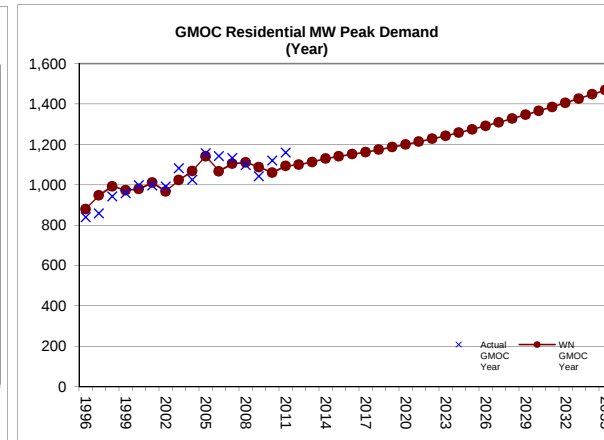
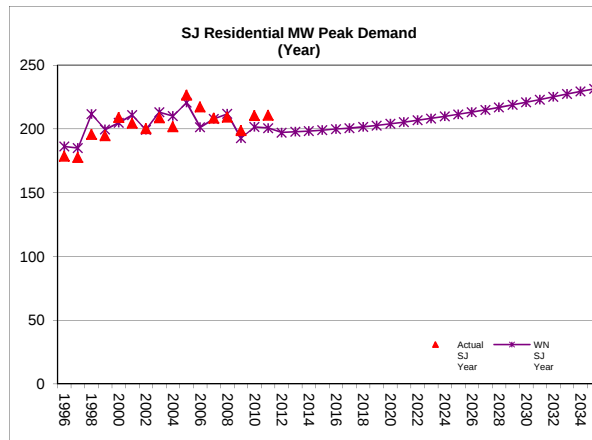
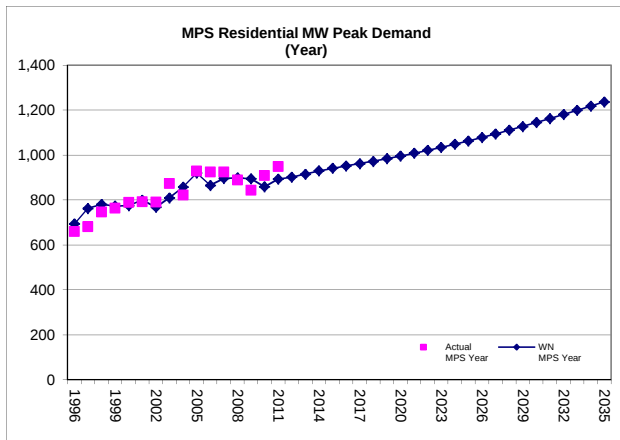
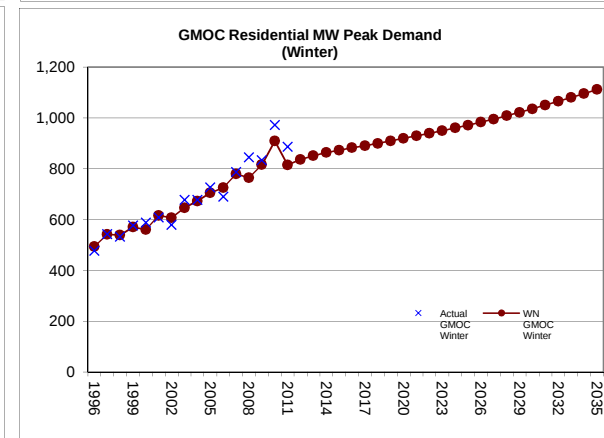
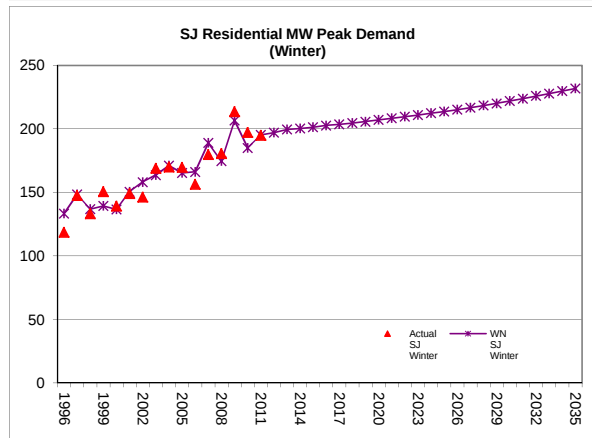
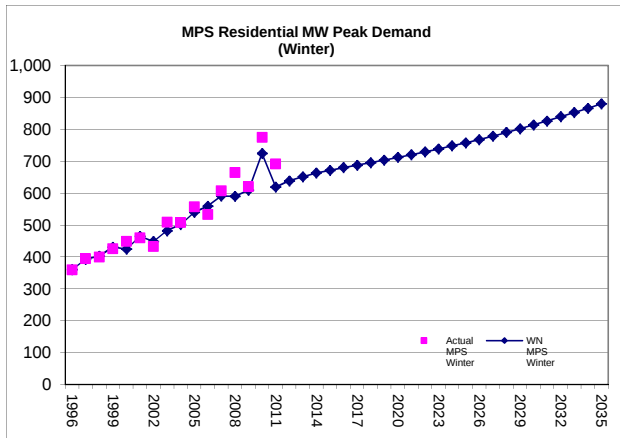
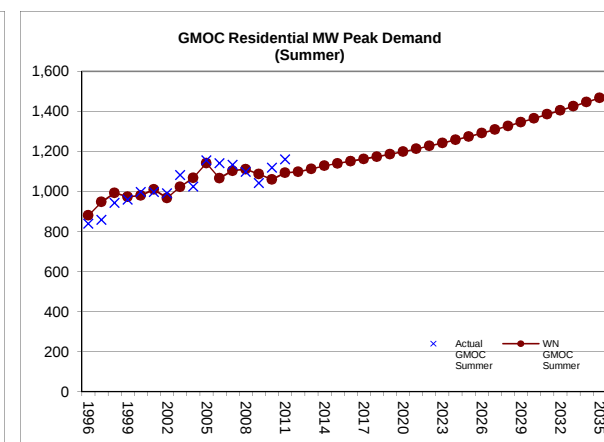
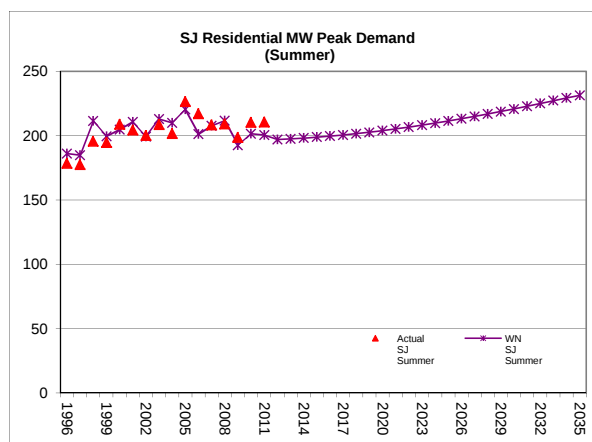
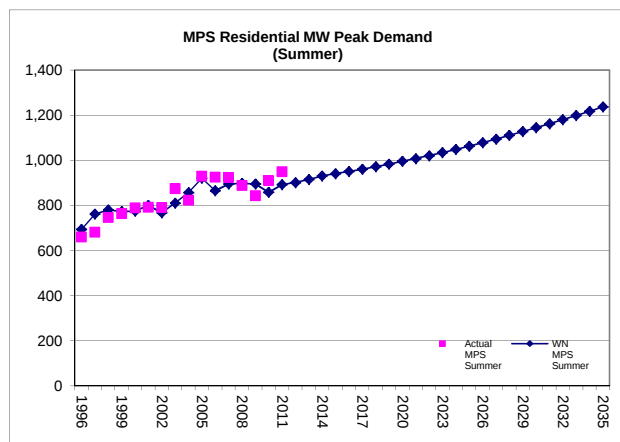
Act PeakSumWin.xls

IRP_7.1.6_GMO_Peaks

IRP_7.1.6_GMO_MWh

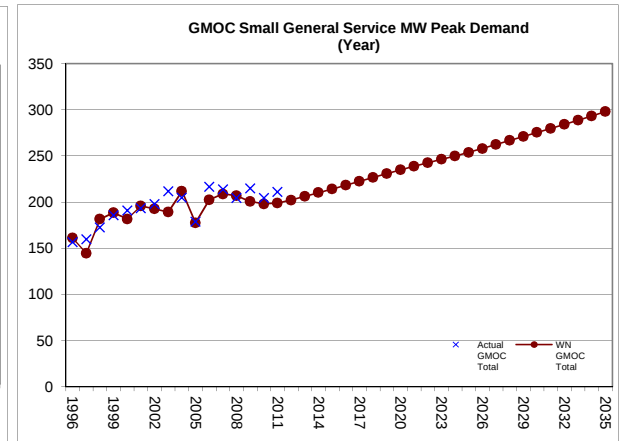
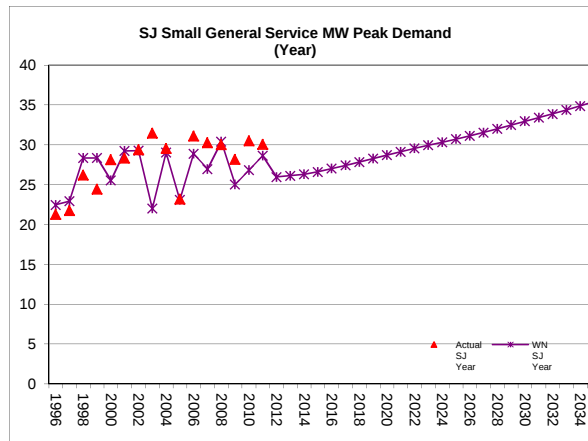
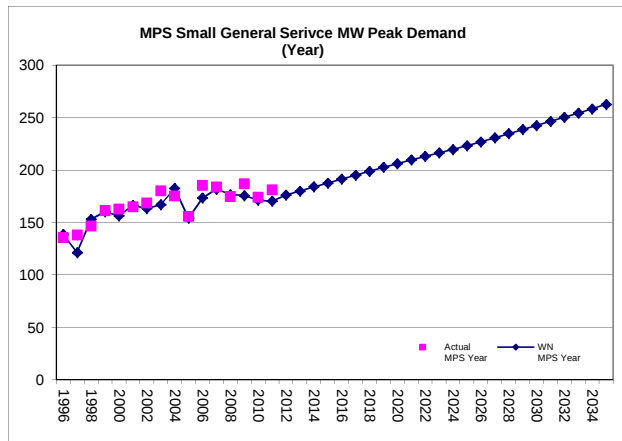
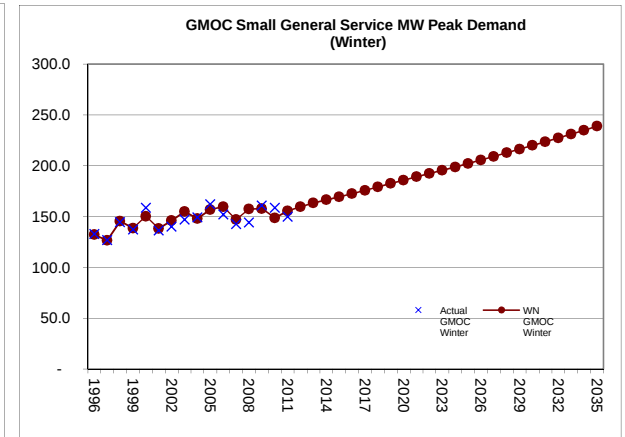
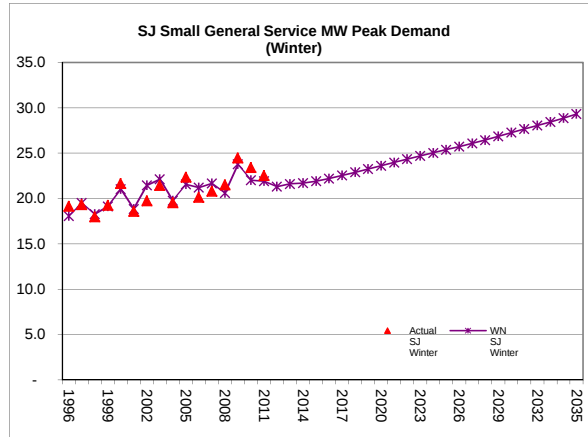
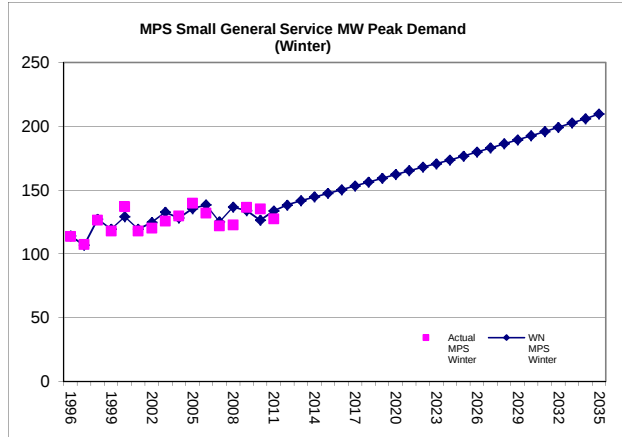
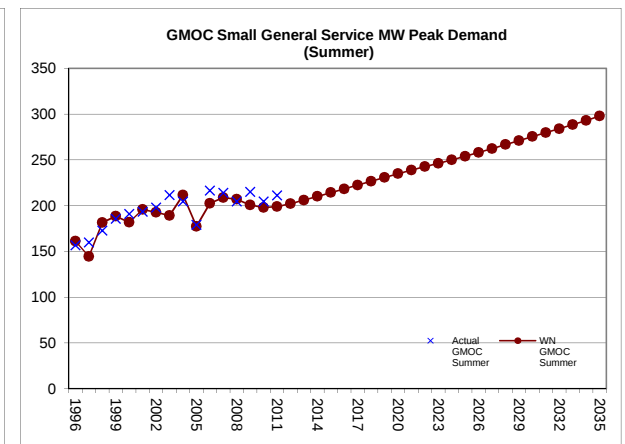
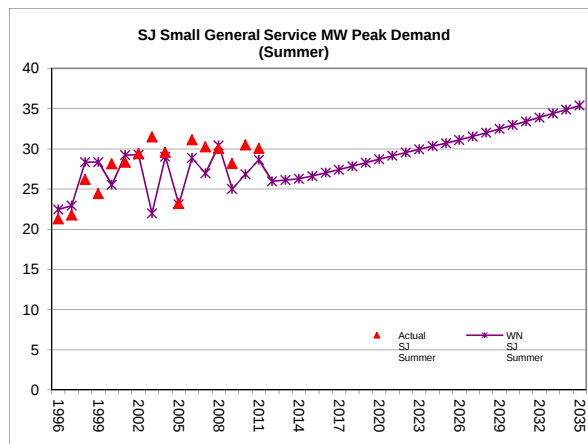
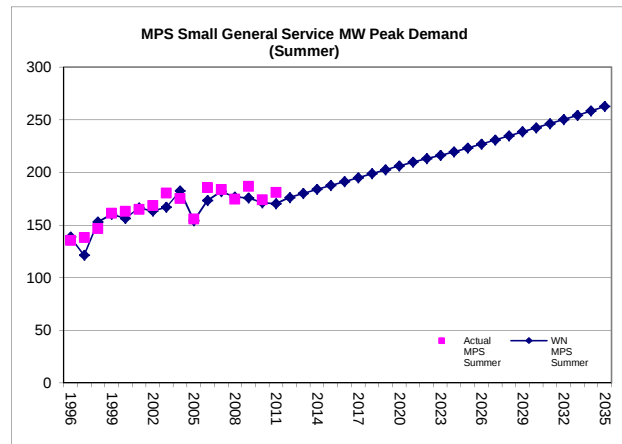
**Plot 3B-1 MPS & SJ Residential MW Peak Demand
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	660.1	693.9	358.7	360.3	660.1	693.9	178.8	186.2	118.8	133.3	178.8	186.2	838.9	880.1	477.5	493.6	838.9	880.1
1997	681.3	762.7	394.4	392.8	681.3	762.7	177.8	184.9	147.8	148.5	177.8	184.9	859.0	947.6	542.2	541.3	859.0	947.6
1998	747.1	780.9	399.4	401.9	747.1	780.9	195.9	211.6	133.3	137.0	195.9	211.6	943.0	992.4	532.7	538.8	943.0	992.4
1999	764.2	773.5	425.5	430.8	764.2	773.5	194.8	199.5	150.8	139.4	194.8	199.5	959.0	973.1	576.3	570.2	959.0	973.1
2000	789.0	774.8	448.9	424.0	789.0	774.8	209.1	204.8	139.4	136.6	209.1	204.8	998.0	979.5	588.3	560.6	998.0	979.5
2001	792.5	800.1	459.1	464.8	792.5	800.1	204.5	210.8	149.4	150.6	204.5	210.8	997.0	1,010.9	608.4	615.4	997.0	1,010.9
2002	791.3	767.7	432.6	448.6	791.3	767.7	200.3	199.4	146.6	158.2	200.3	199.4	991.6	967.0	579.2	606.7	991.6	967.0
2003	873.7	809.9	509.0	482.0	873.7	809.9	208.9	213.1	169.1	163.7	208.9	213.1	1,082.5	1,023.0	678.1	645.7	1,082.5	1,023.0
2004	822.6	857.3	507.6	501.8	822.6	857.3	201.8	210.1	170.2	171.2	201.8	210.1	1,024.4	1,067.4	677.8	672.9	1,024.4	1,067.4
2005	929.5	920.8	556.5	539.6	929.5	920.8	226.7	220.6	169.9	165.3	226.7	220.6	1,156.2	1,141.4	726.4	704.8	1,156.2	1,141.4
2006	924.9	865.4	533.3	559.3	924.9	865.4	217.3	201.4	156.5	166.2	217.3	201.4	1,142.2	1,066.8	689.8	725.6	1,142.2	1,066.8
2007	924.5	896.1	607.0	590.5	924.5	896.1	208.5	207.8	180.0	189.1	208.5	207.8	1,133.1	1,104.0	787.0	779.7	1,133.1	1,104.0
2008	888.5	898.6	664.4	589.8	888.5	898.6	209.4	211.9	180.7	174.6	209.4	211.9	1,098.0	1,110.5	845.0	764.4	1,098.0	1,110.5
2009	843.4	894.9	619.8	609.3	843.4	894.9	198.8	192.8	213.8	206.7	198.8	192.8	1,042.3	1,087.6	833.6	816.0	1,042.3	1,087.6
2010	909.1	858.8	774.6	724.3	909.1	858.8	210.6	201.6	197.5	185.1	210.6	201.6	1,119.7	1,060.3	972.1	909.4	1,119.7	1,060.3
2011	949.4	893.0	690.9	619.3	949.4	893.0	210.8	200.7	195.1	195.4	210.8	200.7	1,160.2	1,093.7	886.0	814.7	1,160.2	1,093.7
2012		901.9		638.7		901.9		197.1		197.1		197.1		1,099.0		835.8		1,099.0
2013		915.3		651.4		915.3		197.7		199.5		197.7		1,113.0		851.0		1,113.0
2014		930.7		663.6		930.7		198.4		200.4		198.4		1,129.1		863.9		1,129.1
2015		941.6		671.7		941.6		199.1		201.4		199.1		1,140.7		873.1		1,140.7
2016		951.4		679.9		951.4		199.9		202.8		199.9		1,151.3		882.6		1,151.3
2017		961.1		687.0		961.1		200.6		203.7		200.6		1,161.7		890.6		1,161.7
2018		972.1		695.0		972.1		201.5		204.6		201.5		1,173.6		899.6		1,173.6
2019		983.8		703.5		983.8		202.7		205.8		202.7		1,186.5		909.3		1,186.5
2020		995.7		712.6		995.7		204.0		207.2		204.0		1,199.7		919.7		1,199.7
2021		1,008.3		720.7		1,008.3		205.3		208.3		205.3		1,213.7		929.1		1,213.7
2022		1,021.1		729.3		1,021.1		206.8		209.7		206.8		1,227.8		939.0		1,227.8
2023		1,034.3		738.2		1,034.3		208.2		211.0		208.2		1,242.5		949.2		1,242.5
2024		1,048.5		748.1		1,048.5		209.8		212.5		209.8		1,258.3		960.6		1,258.3
2025		1,063.0		757.5		1,063.0		211.5		213.8		211.5		1,274.5		971.3		1,274.5
2026		1,078.3		767.7		1,078.3		213.2		215.2		213.2		1,291.4		983.0		1,291.4
2027		1,094.2		778.6		1,094.2		215.0		216.8		215.0		1,309.2		995.4		1,309.2
2028		1,110.8		790.4		1,110.8		216.9		218.6		216.9		1,327.7		1,008.9		1,327.7
2029		1,127.5		801.6		1,127.5		218.8		220.1		218.8		1,346.3		1,021.7		1,346.3
2030		1,144.7		813.7		1,144.7		220.9		222.0		220.9		1,365.5		1,035.6		1,365.5
2031		1,162.6		826.3		1,162.6		223.0		223.9		223.0		1,385.6		1,050.2		1,385.6
2032		1,181.0		839.9		1,181.0		225.2		226.0		225.2		1,406.2		1,065.9		1,406.2
2033		1,199.3		852.6		1,199.3		227.3		227.9		227.3		1,426.6		1,080.5		1,426.6
2034		1,218.2		866.1		1,218.2		229.4		230.0		229.4		1,447.6		1,096.0		1,447.6
2035		1,237.0		879.8		1,237.0		231.4		231.9		231.4		1,468.5		1,111.7		1,468.5
00-'10	1.4%	1.0%	5.6%	5.5%	1.4%	1.0%	0.1%	-0.2%	3.5%	3.1%	0.1%	-0.2%	1.2%	0.8%	5.2%	5.0%	1.2%	0.8%
10-'15		1.9%		-1.5%		1.9%		-0.2%		1.7%		-0.2%		1.5%		-0.8%		1.5%
15-'20		1.1%		1.2%		1.1%		0.5%		0.6%		0.5%		1.0%		1.0%		1.0%
20-'25		1.3%		1.2%		1.3%		0.7%		0.6%		0.7%		1.2%		1.1%		1.2%
25-'30		1.5%		1.4%		1.5%		0.9%		0.8%		0.9%		1.4%		1.3%		1.4%
30-'35		1.6%		1.6%		1.6%		0.9%		0.9%		0.9%		1.5%		1.4%		1.5%
10-'35		1.5%		0.8%		1.5%		0.6%		0.9%		0.6%		1.3%		0.8%		1.3%



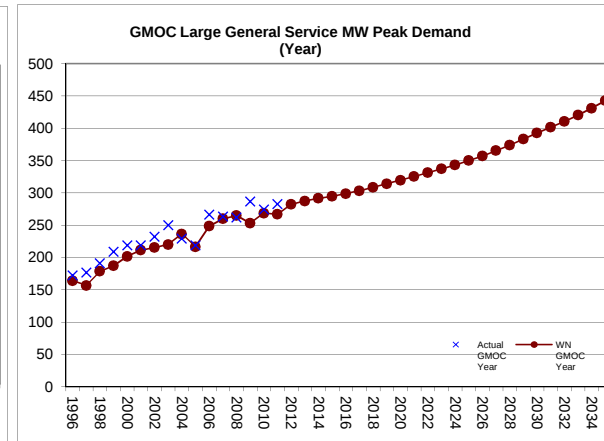
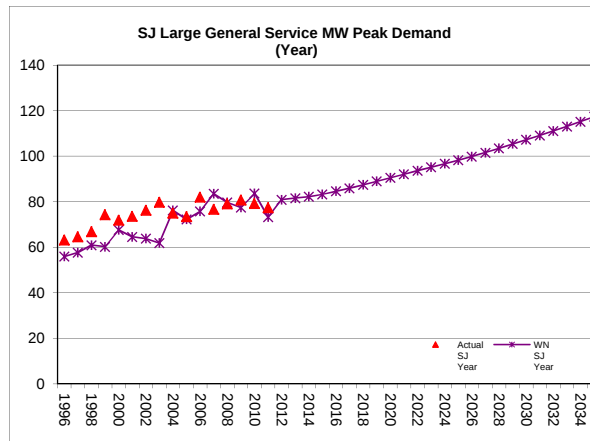
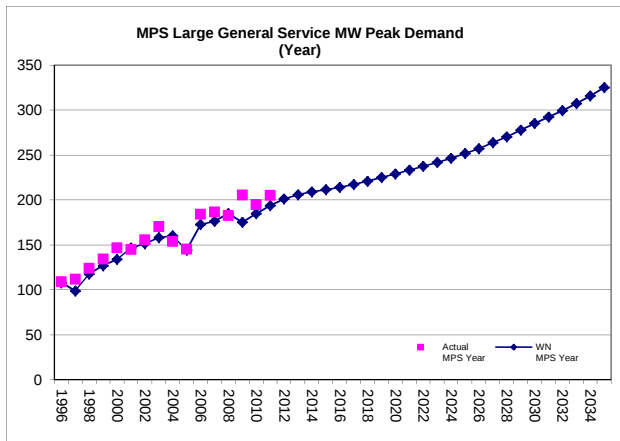
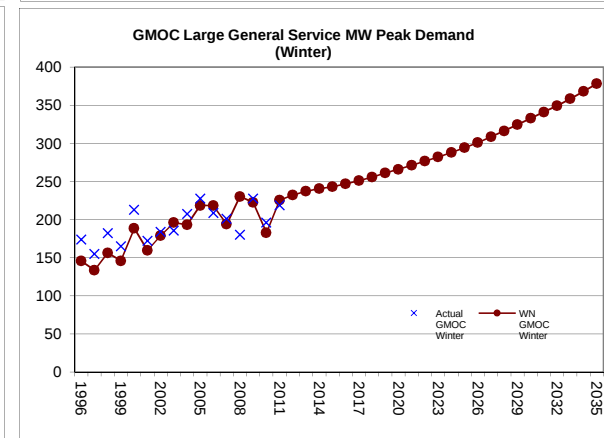
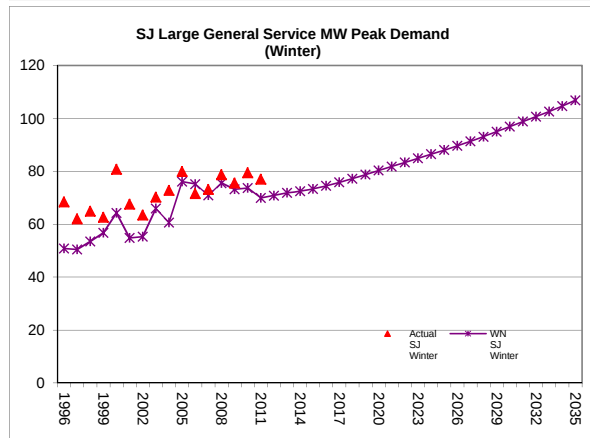
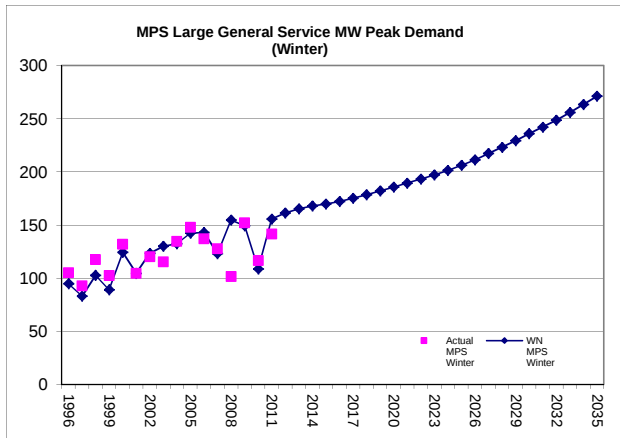
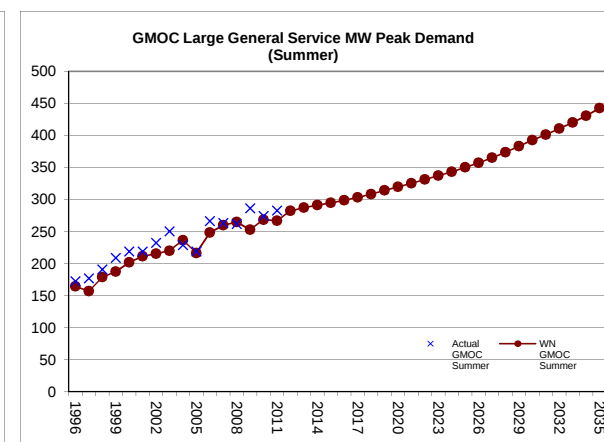
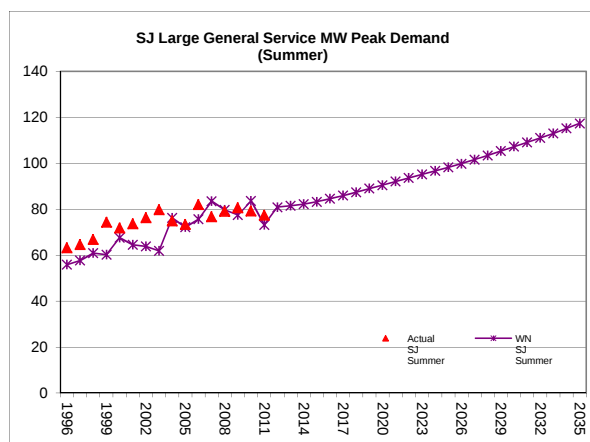
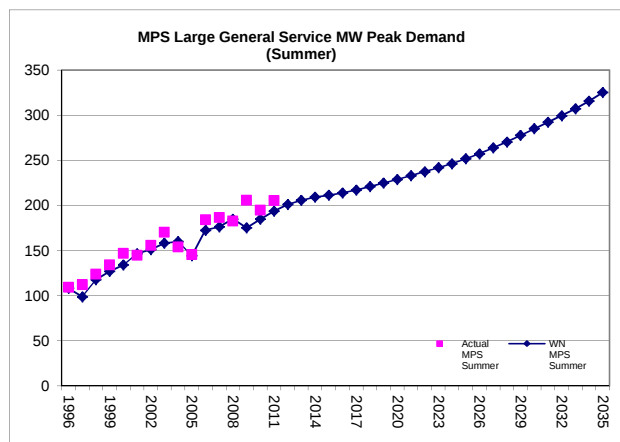
**Plot 3B-2 MPS & SJ Small General Service MW Peak Demand
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Total	WN GMOC Total
1995																		
1996	135.5	138.6	113.6	114.1	135.5	138.6	21.3	22.5	19.2	18.1	21.3	22.5	156.8	161.1	132.8	132.2	156.8	161.1
1997	138.1	121.4	107.4	106.9	138.1	121.4	21.8	22.9	19.4	19.5	21.8	22.9	159.9	144.3	126.7	126.4	159.9	144.3
1998	146.5	153.1	126.5	127.3	146.5	153.1	26.2	28.3	18.0	18.3	26.2	28.3	172.7	181.5	144.5	145.5	172.7	181.5
1999	161.3	160.2	117.9	119.3	161.3	160.2	24.4	28.3	19.3	19.1	24.4	28.3	185.7	188.6	137.1	138.5	185.7	188.6
2000	162.9	156.2	136.9	129.3	162.9	156.2	28.2	25.5	21.7	21.0	28.2	25.5	191.1	181.7	158.5	150.3	191.1	181.7
2001	164.9	166.4	117.9	119.3	164.9	166.4	28.4	29.2	18.6	18.9	28.4	29.2	193.2	195.7	136.5	138.2	193.2	195.7
2002	168.4	163.4	120.2	124.7	168.4	163.4	29.4	29.3	19.8	21.5	29.4	29.3	197.8	192.6	140.0	146.1	197.8	192.6
2003	180.3	167.1	125.6	132.8	180.3	167.1	31.5	22.0	21.5	22.1	31.5	22.0	211.8	189.1	147.1	154.9	211.8	189.1
2004	175.2	182.6	129.6	128.1	175.2	182.6	29.6	29.0	19.6	19.8	29.6	29.0	204.8	211.6	149.2	147.9	204.8	211.6
2005	155.7	154.2	139.6	135.4	155.7	154.2	23.2	23.1	22.4	21.6	23.2	23.1	178.9	177.3	162.0	156.9	178.9	177.3
2006	185.4	173.5	132.0	138.4	185.4	173.5	31.1	28.9	20.2	21.2	31.1	28.9	216.6	202.4	152.1	159.6	216.6	202.4
2007	183.7	181.8	121.9	125.2	183.7	181.8	30.3	27.0	20.8	21.7	30.3	27.0	213.9	208.8	142.8	146.9	213.9	208.8
2008	174.6	176.6	122.7	136.8	174.6	176.6	30.1	30.4	21.5	20.6	30.1	30.4	204.6	207.0	144.2	157.4	204.6	207.0
2009	186.8	175.7	136.3	134.0	186.8	175.7	28.2	25.0	24.5	23.8	28.2	25.0	215.0	200.7	160.8	157.8	215.0	200.7
2010	174.0	171.2	135.2	126.4	174.0	171.2	30.5	26.8	23.4	22.0	30.5	26.8	204.5	198.0	158.6	148.4	204.5	198.0
2011	181.1	170.3	127.3	133.7	181.1	170.3	30.1	28.6	22.6	21.9	30.1	28.6	211.1	198.9	149.9	155.6	211.1	198.9
2012		176.2		138.3		176.2		26.0		21.3		26.0		202.2		159.7		202.2
2013		180.0		141.7		180.0		26.1		21.6		26.1		206.1		163.4		206.1
2014		184.0		144.7		184.0		26.3		21.7		26.3		210.3		166.5		210.3
2015		187.6		147.4		187.6		26.6		21.9		26.6		214.2		169.3		214.2
2016		191.3		150.2		191.3		27.0		22.2		27.0		218.3		172.5		218.3
2017		195.0		153.2		195.0		27.4		22.5		27.4		222.4		175.7		222.4
2018		198.8		156.3		198.8		27.8		22.9		27.8		226.6		179.1		226.6
2019		202.6		159.4		202.6		28.3		23.3		28.3		230.9		182.6		230.9
2020		206.2		162.2		206.2		28.7		23.6		28.7		234.9		185.8		234.9
2021		209.8		165.2		209.8		29.1		24.0		29.1		238.9		189.2		238.9
2022		213.1		168.0		213.1		29.5		24.3		29.5		242.7		192.3		242.7
2023		216.3		170.7		216.3		29.9		24.7		29.9		246.3		195.4		246.3
2024		219.6		173.6		219.6		30.3		25.0		30.3		250.0		198.6		250.0
2025		223.2		176.7		223.2		30.7		25.4		30.7		253.9		202.1		253.9
2026		226.8		179.8		226.8		31.1		25.7		31.1		258.0		205.5		258.0
2027		230.9		183.1		230.9		31.6		26.1		31.6		262.4		209.1		262.4
2028		234.7		186.3		234.7		32.0		26.4		32.0		266.7		212.7		266.7
2029		238.6		189.5		238.6		32.5		26.9		32.5		271.1		216.3		271.1
2030		242.5		192.7		242.5		33.0		27.3		33.0		275.5		220.0		275.5
2031		246.3		195.9		246.3		33.4		27.7		33.4		279.7		223.6		279.7
2032		250.2		199.2		250.2		33.9		28.0		33.9		284.1		227.3		284.1
2033		254.3		202.6		254.3		34.4		28.5		34.4		288.7		231.1		288.7
2034		258.3		206.0		258.3		34.9		28.9		34.9		293.2		234.9		293.2
2035		262.6		209.6		262.6		35.4		29.3		35.4		298.0		238.9		298.0
00-'10	0.7%	0.9%	-0.1%	-0.2%	0.7%	0.9%	0.8%	0.5%	0.8%	0.5%	0.8%	0.5%	0.7%	0.9%	0.0%	-0.1%	0.7%	0.9%
10-'15		1.9%		3.1%		1.9%		-0.2%		-0.1%		-0.2%		1.6%		2.7%		1.6%
15-'20		1.9%		1.9%		1.9%		1.5%		1.5%		1.5%		1.9%		1.9%		1.9%
20-'25		1.6%		1.7%		1.6%		1.4%		1.5%		1.4%		1.6%		1.7%		1.6%
25-'30		1.7%		1.8%		1.7%		1.4%		1.4%		1.4%		1.6%		1.7%		1.6%
30-'35		1.6%		1.7%		1.6%		1.4%		1.5%		1.4%		1.6%		1.7%		1.6%
10-'35		1.7%		2.0%		1.7%		1.1%		1.2%		1.1%		1.6%		1.9%		1.6%



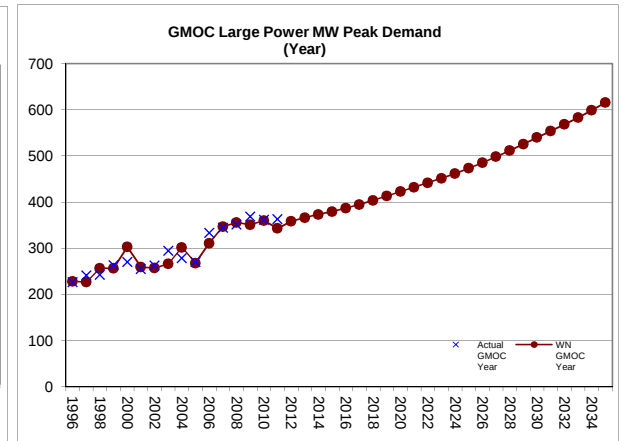
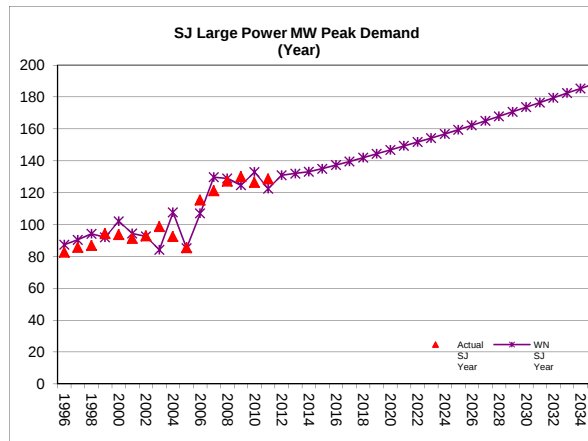
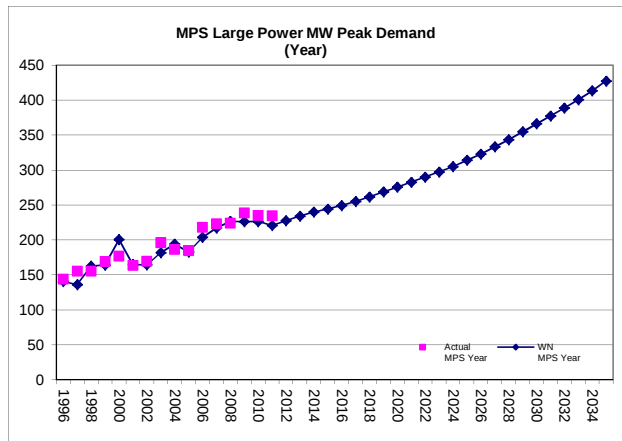
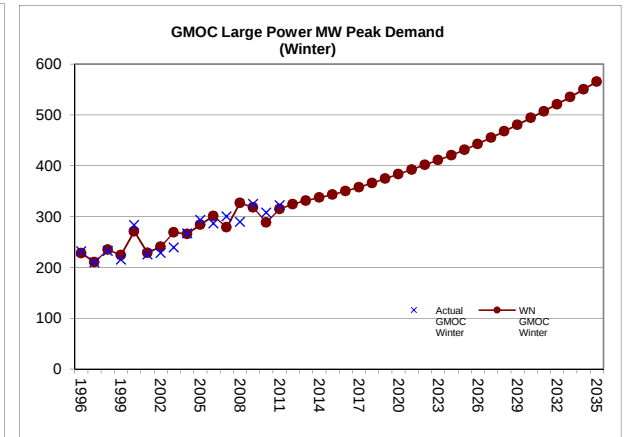
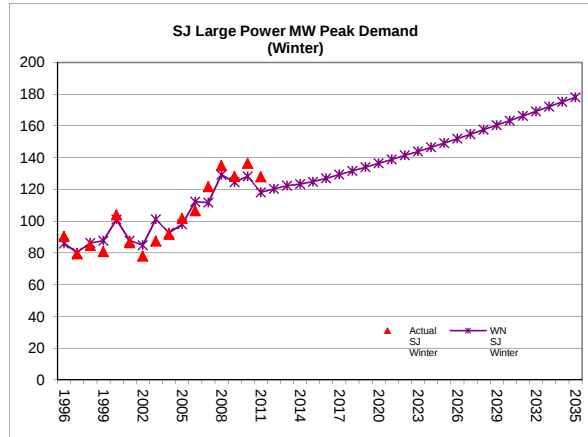
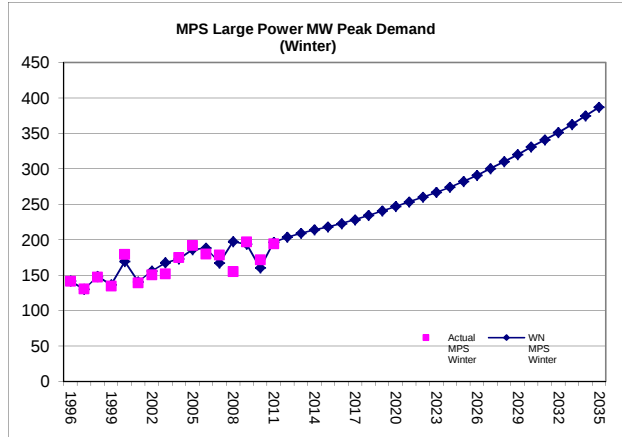
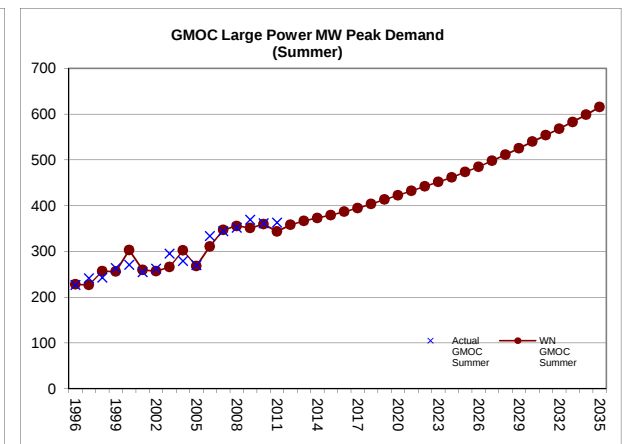
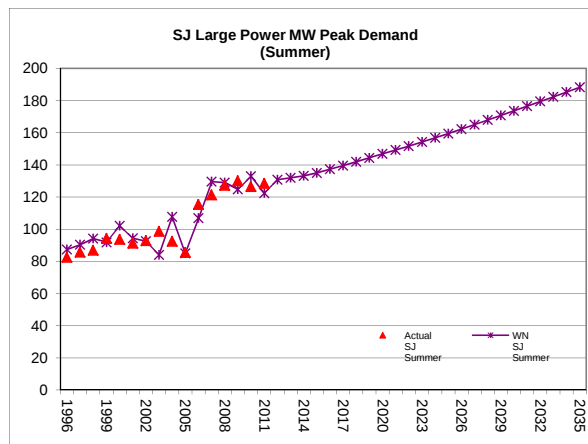
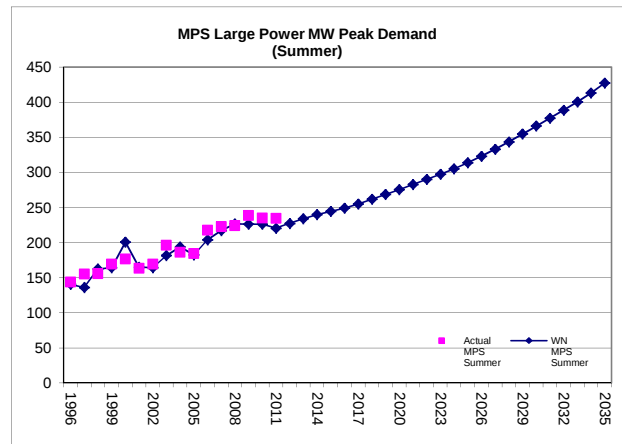
Plot 3B-3 MPS & SJ Large General Service MW Peak Demand
(Actual vs. Weather Normalized)

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	109.2	108.2	105.2	94.7	109.2	108.2	63.3	55.9	68.5	50.8	63.3	55.9	172.5	164.1	173.7	145.5	172.5	164.1
1997	112.1	98.9	92.8	83.1	112.1	98.9	64.7	57.7	62.1	50.5	64.7	57.7	176.7	156.6	154.9	133.6	176.7	156.6
1998	124.0	117.8	117.4	102.5	124.0	117.8	66.9	60.9	64.9	53.4	66.9	60.9	190.9	178.7	182.4	156.0	190.9	178.7
1999	134.3	127.0	102.2	89.1	134.3	127.0	74.4	60.2	62.7	56.7	74.4	60.2	208.7	187.2	164.9	145.8	208.7	187.2
2000	146.9	134.1	131.8	124.2	146.9	134.1	72.0	67.6	80.8	64.3	72.0	67.6	218.9	201.6	212.6	188.4	218.9	201.6
2001	144.9	146.6	104.4	104.6	144.9	146.6	73.7	64.6	67.6	54.8	73.7	64.6	218.6	211.2	172.1	159.4	218.6	211.2
2002	155.9	151.3	120.2	123.4	155.9	151.3	76.3	63.8	63.6	55.3	76.3	63.8	232.2	215.1	183.8	178.7	232.2	215.1
2003	170.3	158.2	115.2	129.9	170.3	158.2	79.9	61.8	70.4	65.9	79.9	61.8	250.1	220.0	185.6	195.9	250.1	220.0
2004	154.0	160.2	134.7	132.4	154.0	160.2	75.0	76.2	72.8	60.6	75.0	76.2	229.0	236.4	207.5	193.0	229.0	236.4
2005	145.4	144.3	147.7	142.3	145.4	144.3	73.5	72.2	80.0	76.1	73.5	72.2	219.0	216.5	227.6	218.4	219.0	216.5
2006	184.1	172.7	136.9	143.0	184.1	172.7	82.1	75.7	71.6	75.2	82.1	75.7	266.2	248.4	208.5	218.2	266.2	248.4
2007	186.5	176.3	127.7	123.1	186.5	176.3	76.8	83.5	73.2	70.9	76.8	83.5	263.4	259.8	200.8	194.0	263.4	259.8
2008	182.7	185.0	101.5	154.6	182.7	185.0	79.1	79.7	78.8	75.5	79.1	79.7	261.9	264.8	180.2	230.2	261.9	264.8
2009	205.7	175.3	152.0	149.4	205.7	175.3	80.8	77.5	75.6	73.2	80.8	77.5	286.4	252.8	227.6	222.5	286.4	252.8
2010	195.0	184.8	116.6	108.8	195.0	184.8	79.3	83.7	79.5	73.7	79.3	83.7	274.3	268.5	196.0	182.5	274.3	268.5
2011	205.4	193.7	141.5	155.5	205.4	193.7	77.4	73.2	77.0	69.9	77.4	73.2	282.8	266.9	218.5	225.4	282.8	266.9
2012		201.2		161.3		201.2		80.9		70.8		80.9		282.1		232.1		282.1
2013		205.7		165.2		205.7		81.6		71.9		81.6		287.3		237.1		287.3
2014		209.2		167.8		209.2		82.2		72.5		82.2		291.4		240.3		291.4
2015		211.5		169.7		211.5		83.2		73.3		83.2		294.7		243.1		294.7
2016		214.1		172.2		214.1		84.6		74.5		84.6		298.7		246.7		298.7
2017		217.2		175.1		217.2		85.9		75.9		85.9		303.2		250.9		303.2
2018		221.0		178.5		221.0		87.4		77.2		87.4		308.4		255.7		308.4
2019		225.1		182.2		225.1		89.0		78.8		89.0		314.1		260.9		314.1
2020		229.0		185.6		229.0		90.5		80.3		90.5		319.5		265.9		319.5
2021		233.2		189.5		233.2		92.1		81.8		92.1		325.3		271.3		325.3
2022		237.5		193.3		237.5		93.7		83.4		93.7		331.2		276.7		331.2
2023		241.8		197.3		241.8		95.2		84.9		95.2		337.0		282.2		337.0
2024		246.4		201.4		246.4		96.7		86.5		96.7		343.1		288.0		343.1
2025		251.8		206.3		251.8		98.2		88.1		98.2		350.0		294.3		350.0
2026		257.2		211.3		257.2		99.9		89.7		99.9		357.0		301.0		357.0
2027		263.8		217.3		263.8		101.6		91.3		101.6		365.4		308.6		365.4
2028		270.4		223.2		270.4		103.4		93.1		103.4		373.8		316.3		373.8
2029		277.8		229.5		277.8		105.4		95.0		105.4		383.2		324.5		383.2
2030		285.3		236.0		285.3		107.3		96.9		107.3		392.6		333.0		392.6
2031		292.3		242.2		292.3		109.2		98.8		109.2		401.4		341.0		401.4
2032		299.5		248.6		299.5		111.0		100.7		111.0		410.6		349.3		410.6
2033		307.4		255.8		307.4		113.1		102.6		113.1		420.4		358.4		420.4
2034		315.7		263.4		315.7		115.2		104.7		115.2		430.9		368.1		430.9
2035		325.2		271.2		325.2		117.4		106.8		117.4		442.6		378.1		442.6
00-'10	2.9%	3.3%	-1.2%	-1.3%	2.9%	3.3%	1.0%	2.2%	-0.2%	1.4%	1.0%	2.2%	2.3%	2.9%	-0.8%	-0.3%	2.3%	2.9%
10-'15		2.7%		9.3%		2.7%		-0.1%		-0.1%		-0.1%		1.9%		5.9%		1.9%
15-'20		1.6%		1.8%		1.6%		1.7%		1.8%		1.7%		1.6%		1.8%		1.6%
20-'25		1.9%		2.1%		1.9%		1.6%		1.9%		1.6%		1.8%		2.1%		1.8%
25-'30		2.5%		2.7%		2.5%		1.8%		1.9%		1.8%		2.3%		2.5%		2.3%
30-'35		2.7%		2.8%		2.7%		1.8%		2.0%		1.8%		2.4%		2.6%		2.4%
10-'35		2.3%		3.7%		2.3%		1.4%		1.5%		1.4%		2.0%		3.0%		2.0%



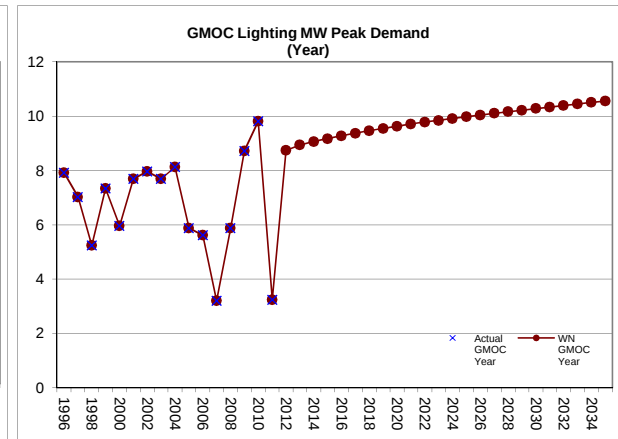
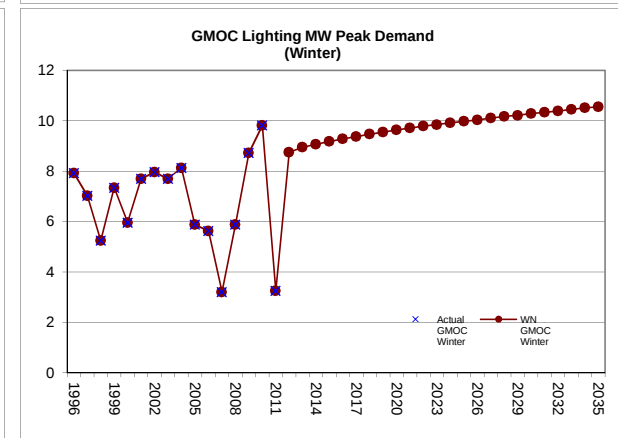
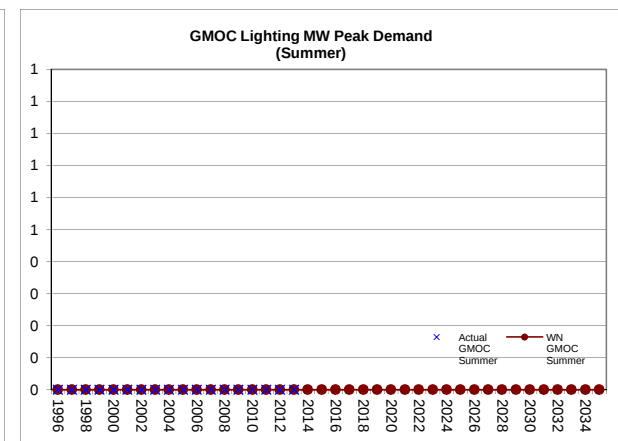
**Plot 3B-4 MPS & SJ Large Power MW Peak Demand
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	144.0	140.8	141.1	141.8	144.0	140.8	82.7	87.4	90.6	85.9	82.7	87.4	226.7	228.2	231.8	227.6	226.7	228.2
1997	155.1	136.1	130.4	129.9	155.1	136.1	85.8	90.5	79.4	80.2	85.8	90.5	240.9	226.5	209.8	210.0	240.9	226.5
1998	155.5	162.5	147.4	148.3	155.5	162.5	87.0	94.1	84.8	86.3	87.0	94.1	242.5	256.6	232.2	234.6	242.5	256.6
1999	169.1	164.2	134.7	136.4	169.1	164.2	94.3	91.9	80.9	87.8	94.3	91.9	263.5	256.1	215.5	224.1	263.5	256.1
2000	176.7	200.7	179.4	169.4	176.7	200.7	93.8	102.1	104.1	101.1	93.8	102.1	270.5	302.8	283.5	270.5	270.5	302.8
2001	163.4	165.0	138.8	140.6	163.4	165.0	91.4	94.3	86.6	87.8	91.4	94.3	254.9	259.3	225.4	228.4	254.9	259.3
2002	169.4	164.4	150.2	155.8	169.4	164.4	92.9	92.5	78.1	84.8	92.9	92.5	262.4	256.9	228.3	240.6	262.4	256.9
2003	196.1	181.8	151.8	167.6	196.1	181.8	98.8	84.1	87.5	101.2	98.8	84.1	294.9	265.9	239.3	268.8	294.9	265.9
2004	186.3	194.1	174.9	172.9	186.3	194.1	92.6	107.7	91.8	92.8	92.6	107.7	278.9	301.8	266.8	265.8	278.9	301.8
2005	184.4	182.7	191.7	185.9	184.4	182.7	85.6	85.1	101.8	98.1	85.6	85.1	270.0	267.8	293.5	284.0	270.0	267.8
2006	217.8	203.8	179.5	188.3	217.8	203.8	115.4	107.0	106.8	112.4	115.4	107.0	333.3	310.8	286.3	300.7	333.3	310.8
2007	222.9	217.1	178.3	167.2	222.9	217.1	121.4	129.7	121.8	111.7	121.4	129.7	344.3	346.8	300.1	278.9	344.3	346.8
2008	224.1	226.6	154.8	197.4	224.1	226.6	127.4	129.0	135.0	129.3	127.4	129.0	351.5	355.6	289.8	326.6	351.5	355.6
2009	238.7	226.2	196.9	193.5	238.7	226.2	130.2	124.8	128.3	124.6	130.2	124.8	368.9	350.9	325.1	318.1	368.9	350.9
2010	235.2	226.5	171.4	160.3	235.2	226.5	126.6	132.9	136.4	128.2	126.6	132.9	361.8	359.4	307.8	288.4	361.8	359.4
2011	234.6	220.6	194.0	196.5	234.6	220.6	128.7	122.5	128.1	118.2	128.7	122.5	363.2	343.1	322.1	314.8	363.2	343.1
2012		227.4		203.5		227.4		130.9		120.5		130.9		358.3		324.0		358.3
2013		234.3		209.0		234.3		132.0		122.4		132.0		366.3		331.4		366.3
2014		239.9		213.9		239.9		133.2		123.3		133.2		373.1		337.3		373.1
2015		244.3		218.0		244.3		135.0		124.9		135.0		379.4		342.9		379.4
2016		249.3		222.8		249.3		137.4		127.1		137.4		386.7		349.9		386.7
2017		255.1		228.2		255.1		139.6		129.4		139.6		394.7		357.6		394.7
2018		261.7		234.3		261.7		142.0		131.7		142.0		403.7		366.0		403.7
2019		268.8		240.7		268.8		144.4		134.2		144.4		413.3		374.8		413.3
2020		275.6		246.9		275.6		146.9		136.5		146.9		422.5		383.4		422.5
2021		282.8		253.5		282.8		149.3		139.0		149.3		432.1		392.5		432.1
2022		290.1		260.0		290.1		151.8		141.5		151.8		441.9		401.5		441.9
2023		297.3		266.9		297.3		154.3		144.0		154.3		451.6		410.9		451.6
2024		305.0		274.1		305.0		156.8		146.6		156.8		461.8		420.7		461.8
2025		314.0		282.2		314.0		159.5		149.3		159.5		473.4		431.5		473.4
2026		322.7		290.7		322.7		162.3		152.0		162.3		485.0		442.7		485.0
2027		333.2		300.5		333.2		165.1		154.8		165.1		498.3		455.3		498.3
2028		343.5		310.0		343.5		168.0		157.7		168.0		511.4		467.7		511.4
2029		354.8		320.2		354.8		170.7		160.5		170.7		525.5		480.6		525.5
2030		366.4		330.8		366.4		173.6		163.3		173.6		540.0		494.1		540.0
2031		377.3		340.8		377.3		176.6		166.3		176.6		553.9		507.1		553.9
2032		388.6		351.3		388.6		179.5		169.2		179.5		568.1		520.5		568.1
2033		400.6		362.7		400.6		182.5		172.2		182.5		583.0		534.9		583.0
2034		413.3		374.9		413.3		185.4		175.2		185.4		598.6		550.0		598.6
2035		427.3		387.1		427.3		188.3		178.1		188.3		615.7		565.2		615.7
00-10	2.9%	1.2%	-0.5%	-0.6%	2.9%	1.2%	3.0%	2.7%	2.7%	2.4%	3.0%	2.7%	2.9%	1.7%	0.8%	0.6%	2.9%	1.7%
10-15		1.5%		6.3%		1.5%		0.3%		-0.5%		0.3%		1.1%		3.5%		1.1%
15-20		2.4%		2.5%		2.4%		1.7%		1.8%		1.7%		2.2%		2.3%		2.2%
20-25		2.6%		2.7%		2.6%		1.7%		1.8%		1.7%		2.3%		2.4%		2.3%
25-30		3.1%		3.2%		3.1%		1.7%		1.8%		1.7%		2.7%		2.7%		2.7%
30-35		3.1%		3.2%		3.1%		1.6%		1.8%		1.6%		2.7%		2.7%		2.7%
10-35		2.6%		3.6%		2.6%		1.4%		1.3%		1.4%		2.2%		2.7%		2.2%



Plot 3B-5 MPS & SJ Lighting MW Peak Demand
(Actual vs. Weather Normalized)

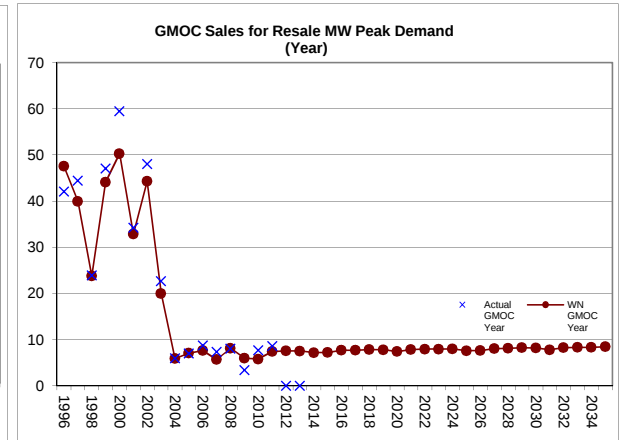
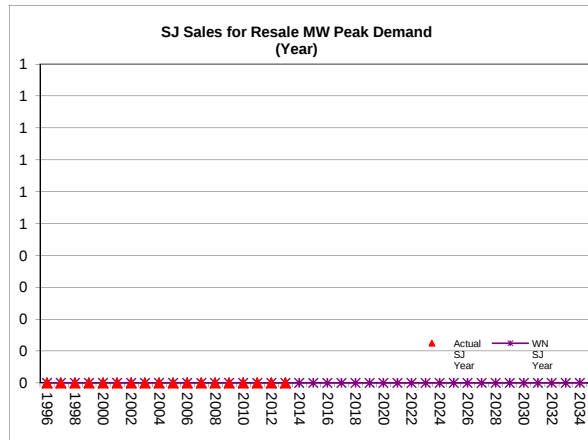
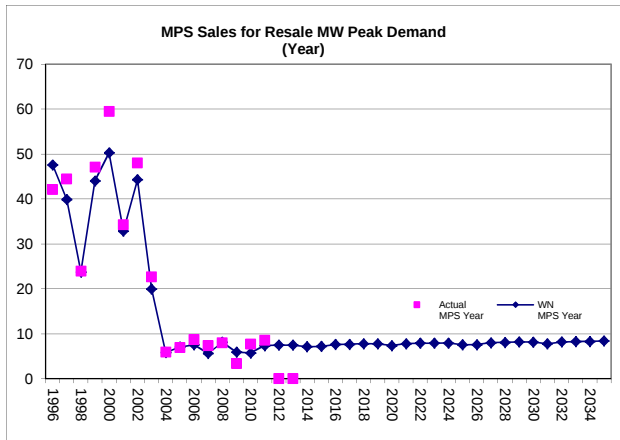
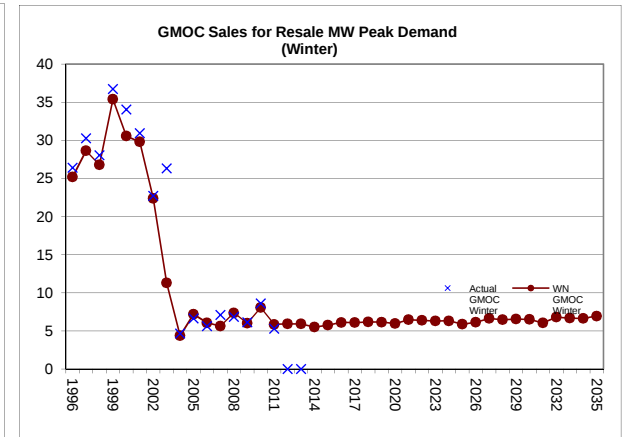
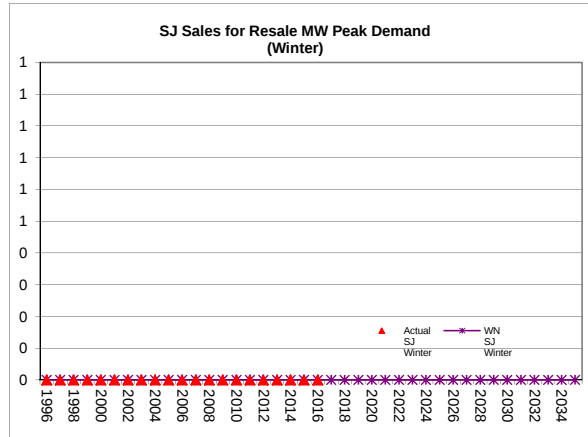
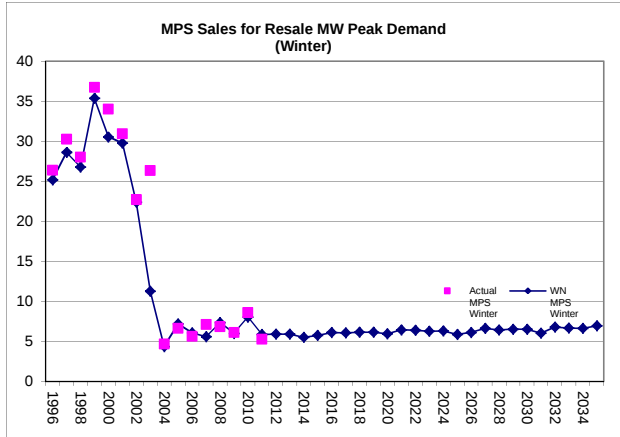
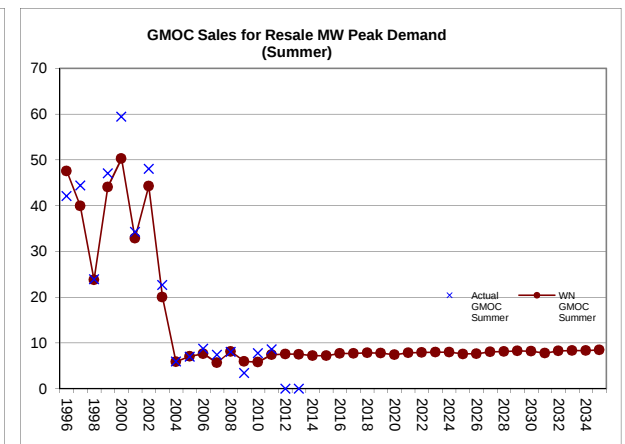
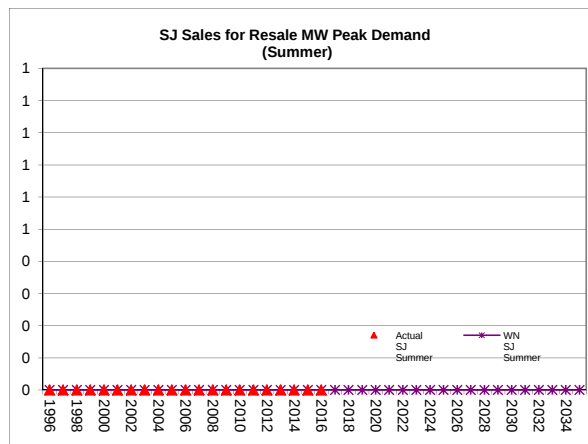
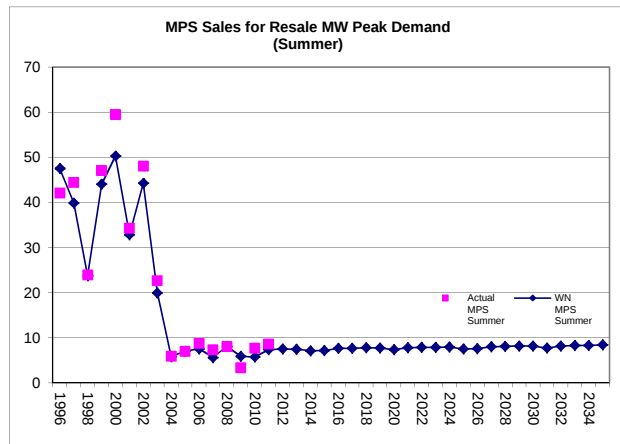
Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	-	-	5.0	5.0	5.0	5.0	-	-	3.0	3.0	3.0	3.0	-	-	7.9	7.9	7.9	7.9
1997	-	-	4.7	4.7	4.7	4.7	-	-	2.3	2.3	2.3	2.3	-	-	7.0	7.0	7.0	7.0
1998	-	-	5.2	5.2	5.2	5.2	-	-	-	-	0.0	0.0	-	-	5.2	5.2	5.2	5.2
1999	-	-	5.0	5.0	5.0	5.0	-	-	2.4	2.4	2.4	2.4	-	-	7.3	7.3	7.3	7.3
2000	-	-	6.0	6.0	6.0	6.0	-	-	-	-	0.0	0.0	-	-	6.0	6.0	6.0	6.0
2001	-	-	4.8	4.8	4.8	4.8	-	-	2.9	2.9	2.9	2.9	-	-	7.7	7.7	7.7	7.7
2002	-	-	5.0	5.0	5.0	5.0	-	-	3.0	3.0	3.0	3.0	-	-	8.0	8.0	8.0	8.0
2003	-	-	5.1	5.1	5.1	5.1	-	-	2.6	2.6	2.6	2.6	-	-	7.7	7.7	7.7	7.7
2004	-	-	5.6	5.6	5.6	5.6	-	-	2.6	2.6	2.6	2.6	-	-	8.1	8.1	8.1	8.1
2005	-	-	5.9	5.9	5.9	5.9	-	-	0.0	0.0	0.0	0.0	-	-	5.9	5.9	5.9	5.9
2006	-	-	5.6	5.6	5.6	5.6	-	-	0.0	0.0	0.0	0.0	-	-	5.6	5.6	5.6	5.6
2007	-	-	0.0	0.0	0.0	0.0	-	-	3.2	3.2	3.2	3.2	-	-	3.2	3.2	3.2	3.2
2008	-	-	5.9	5.9	5.9	5.9	-	-	0.0	0.0	0.0	0.0	-	-	5.9	5.9	5.9	5.9
2009	-	-	5.9	5.9	5.9	5.9	-	-	2.8	2.8	2.8	2.8	-	-	8.7	8.7	8.7	8.7
2010	-	-	6.7	6.7	6.7	6.7	-	-	3.1	3.1	3.1	3.1	-	-	9.8	9.8	9.8	9.8
2011	-	-	0.0	0.0	0.0	0.0	-	-	3.2	3.2	3.2	3.2	-	-	3.2	3.2	3.2	3.2
2012		-		6.1		6.1	-	-			2.7	2.7	-	-		8.7		8.7
2013		-		6.2		6.2	-	-			2.7	2.7	-	-		8.9		8.9
2014		-		6.3		6.3		-			2.8	2.8		-		9.1		9.1
2015		-		6.4		6.4		-			2.8	2.8		-		9.2		9.2
2016		-		6.4		6.4		-			2.8	2.8		-		9.3		9.3
2017		-		6.5		6.5		-			2.9	2.9		-		9.4		9.4
2018		-		6.6		6.6		-			2.9	2.9		-		9.5		9.5
2019		-		6.6		6.6		-			2.9	2.9		-		9.5		9.5
2020		-		6.7		6.7		-			2.9	2.9		-		9.6		9.6
2021		-		6.7		6.7		-			3.0	3.0		-		9.7		9.7
2022		-		6.8		6.8		-			3.0	3.0		-		9.8		9.8
2023		-		6.8		6.8		-			3.0	3.0		-		9.8		9.8
2024		-		6.9		6.9		-			3.0	3.0		-		9.9		9.9
2025		-		6.9		6.9		-			3.0	3.0		-		10.0		10.0
2026		-		7.0		7.0		-			3.0	3.0		-		10.0		10.0
2027		-		7.1		7.1		-			3.1	3.1		-		10.1		10.1
2028		-		7.1		7.1		-			3.1	3.1		-		10.2		10.2
2029		-		7.1		7.1		-			3.1	3.1		-		10.2		10.2
2030		-		7.2		7.2		-			3.1	3.1		-		10.3		10.3
2031		-		7.3		7.3		-			3.1	3.1		-		10.3		10.3
2032		-		7.3		7.3		-			3.1	3.1		-		10.4		10.4
2033		-		7.3		7.3		-			3.1	3.1		-		10.4		10.4
2034		-		7.4		7.4		-			3.1	3.1		-		10.5		10.5
2035		-		7.5		7.5		-			3.1	3.1		-		10.6		10.6
00-'10	#DIV/0!	#DIV/0!	1.1%	1.1%	1.1%	1.1%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.1%	5.1%	5.1%	5.1%
10-'15		#DIV/0!		-0.9%		-0.9%		#DIV/0!			-2.2%		-2.2%		#DIV/0!	-1.3%		-1.3%
15-'20		#DIV/0!		1.0%		1.0%		#DIV/0!			1.0%		1.0%		#DIV/0!	1.0%		1.0%
20-'25		#DIV/0!		0.8%		0.8%		#DIV/0!			0.5%		0.5%		#DIV/0!	0.7%		0.7%
25-'30		#DIV/0!		0.7%		0.7%		#DIV/0!			0.3%		0.3%		#DIV/0!	0.6%		0.6%
30-'35		#DIV/0!		0.7%		0.7%		#DIV/0!			0.2%		0.2%		#DIV/0!	0.5%		0.5%
10-'35		#DIV/0!		0.4%		0.4%		#DIV/0!			-0.1%		-0.1%		#DIV/0!	0.3%		0.3%



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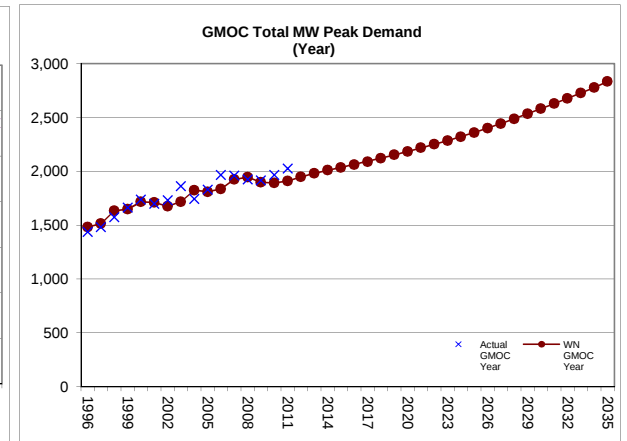
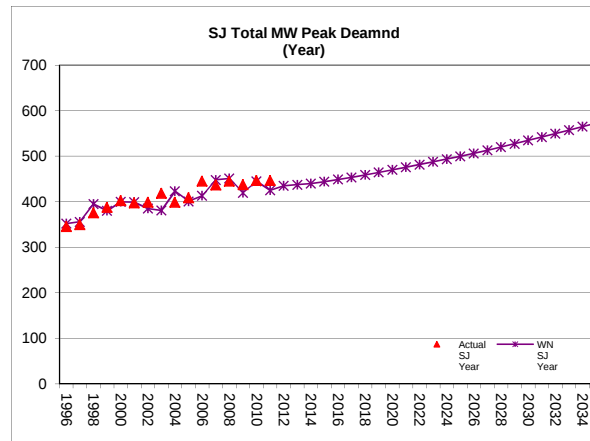
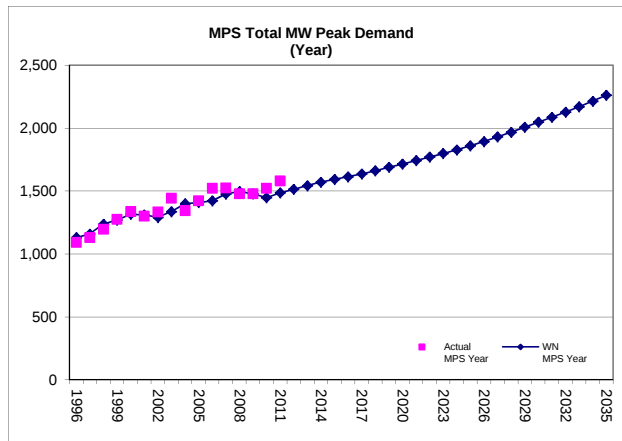
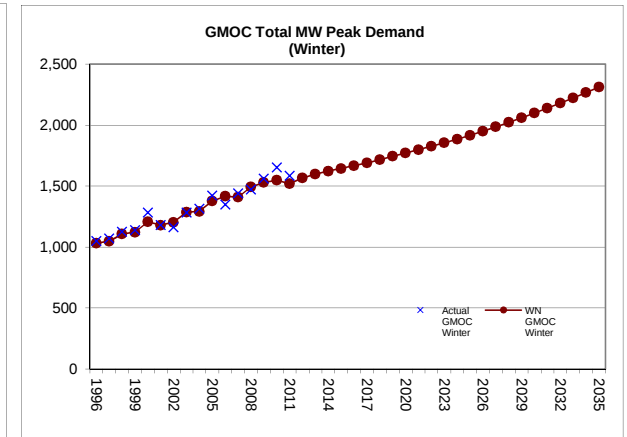
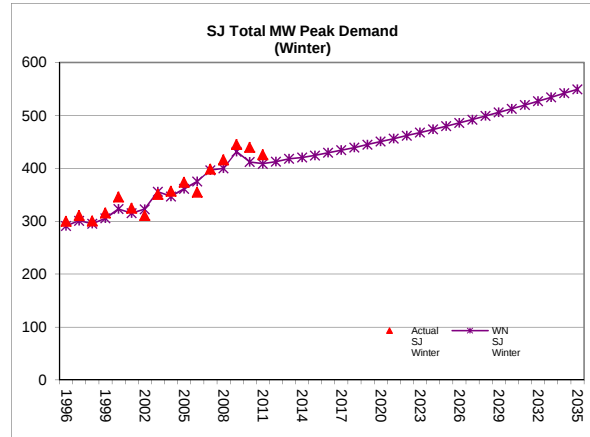
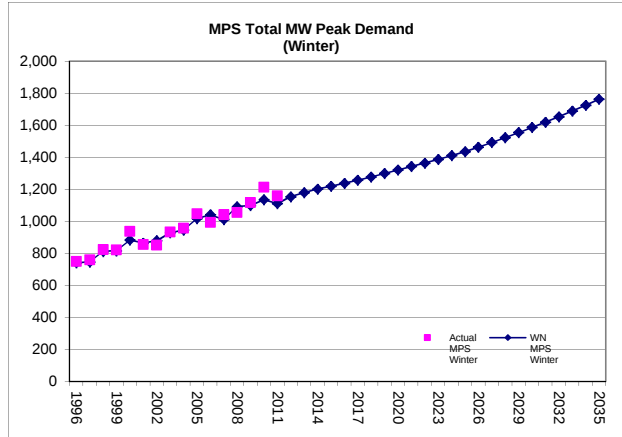
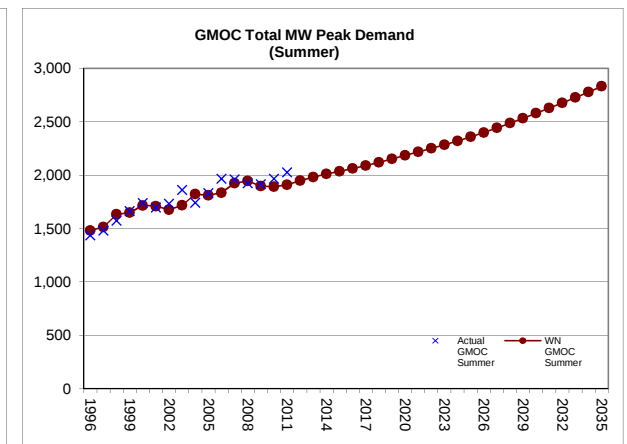
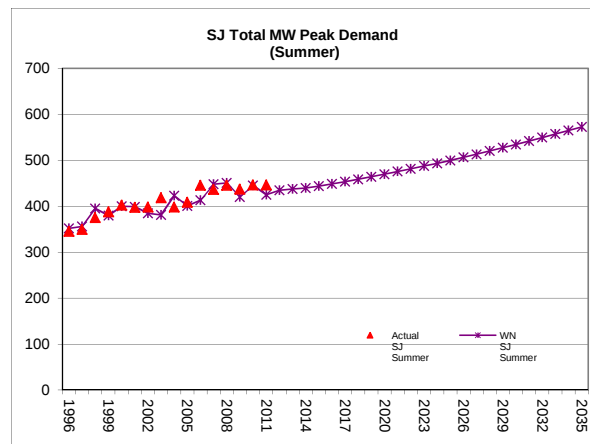
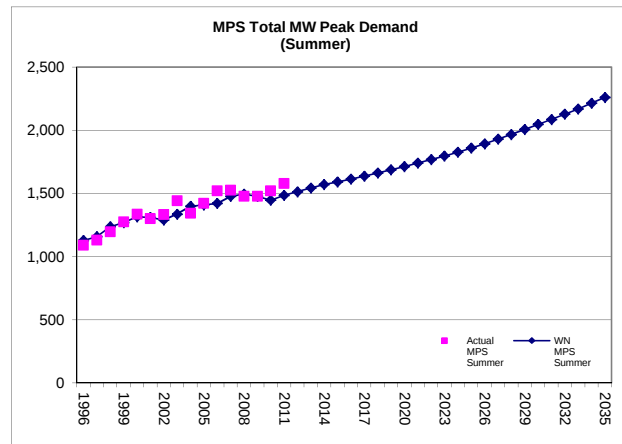
**Plot 3B-6 MPS & SJ Sales for Resale MW Peak Demand
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	42.1	47.6	26.4	25.2	42.1	47.6	-	-	-	-	-	-	42.1	47.6	26.4	25.2	42.1	47.6
1997	44.4	39.9	30.3	28.6	44.4	39.9	-	-	-	-	-	-	44.4	39.9	30.3	28.6	44.4	39.9
1998	23.9	23.8	28.0	26.8	23.9	23.8	-	-	-	-	-	-	23.9	23.8	28.0	26.8	23.9	23.8
1999	47.1	44.1	36.7	35.4	47.1	44.1	-	-	-	-	-	-	47.1	44.1	36.7	35.4	47.1	44.1
2000	59.5	50.3	34.0	30.6	59.5	50.3	-	-	-	-	-	-	59.5	50.3	34.0	30.6	59.5	50.3
2001	34.3	32.9	31.0	29.8	34.3	32.9	-	-	-	-	-	-	34.3	32.9	31.0	29.8	34.3	32.9
2002	48.0	44.3	22.7	22.4	48.0	44.3	-	-	-	-	-	-	48.0	44.3	22.7	22.4	48.0	44.3
2003	22.7	20.0	26.3	11.3	22.7	20.0	-	-	-	-	-	-	22.7	20.0	26.3	11.3	22.7	20.0
2004	5.9	5.9	4.7	4.4	5.9	5.9	-	-	-	-	-	-	5.9	5.9	4.7	4.4	5.9	5.9
2005	7.0	7.0	6.6	7.2	7.0	7.0	-	-	-	-	-	-	7.0	7.0	6.6	7.2	7.0	7.0
2006	8.8	7.6	5.6	6.1	8.8	7.6	-	-	-	-	-	-	8.8	7.6	5.6	6.1	8.8	7.6
2007	7.4	5.7	7.1	5.6	7.4	5.7	-	-	-	-	-	-	7.4	5.7	7.1	5.6	7.4	5.7
2008	8.0	8.1	6.8	7.4	8.0	8.1	-	-	-	-	-	-	8.0	8.1	6.8	7.4	8.0	8.1
2009	3.4	5.9	6.1	6.0	3.4	5.9	-	-	-	-	-	-	3.4	5.9	6.1	6.0	3.4	5.9
2010	7.7	5.8	8.6	8.0	7.7	5.8	-	-	-	-	-	-	7.7	5.8	8.6	8.0	7.7	5.8
2011	8.6	7.4	5.3	5.9	8.6	7.4	-	-	-	-	-	-	8.6	7.4	5.3	5.9	8.6	7.4
2012		7.5		5.9	0.0	7.5	-	-	-	-	-	-	0.0	7.5	0.0	5.9	0.0	7.5
2013		7.5		5.9	0.0	7.5	-	-	-	-	-	-	0.0	7.5	0.0	5.9	0.0	7.5
2014		7.2		5.5		7.2	-	-	-	-	-	-		7.2		5.5		7.2
2015		7.2		5.8		7.2	-	-	-	-	-	-		7.2		5.8		7.2
2016		7.7		6.1		7.7	-	-	-	-	-	-		7.7		6.1		7.7
2017		7.7		6.1		7.7	-	-	-	-	-	-		7.7		6.1		7.7
2018		7.8		6.2		7.8	-	-	-	-	-	-		7.8		6.2		7.8
2019		7.8		6.1		7.8	-	-	-	-	-	-		7.8		6.1		7.8
2020		7.4		5.9		7.4	-	-	-	-	-	-		7.4		5.9		7.4
2021		7.8		6.4		7.8	-	-	-	-	-	-		7.8		6.4		7.8
2022		7.9		6.4		7.9	-	-	-	-	-	-		7.9		6.4		7.9
2023		7.9		6.3		7.9	-	-	-	-	-	-		7.9		6.3		7.9
2024		8.0		6.3		8.0	-	-	-	-	-	-		8.0		6.3		8.0
2025		7.6		5.9		7.6	-	-	-	-	-	-		7.6		5.9		7.6
2026		7.6		6.1		7.6	-	-	-	-	-	-		7.6		6.1		7.6
2027		8.0		6.6		8.0	-	-	-	-	-	-		8.0		6.6		8.0
2028		8.1		6.4		8.1	-	-	-	-	-	-		8.1		6.4		8.1
2029		8.2		6.5		8.2	-	-	-	-	-	-		8.2		6.5		8.2
2030		8.2		6.5		8.2	-	-	-	-	-	-		8.2		6.5		8.2
2031		7.8		6.0		7.8	-	-	-	-	-	-		7.8		6.0		7.8
2032		8.2		6.8		8.2	-	-	-	-	-	-		8.2		6.8		8.2
2033		8.3		6.7		8.3	-	-	-	-	-	-		8.3		6.7		8.3
2034		8.3		6.6		8.3	-	-	-	-	-	-		8.3		6.6		8.3
2035		8.4		6.9		8.4	-	-	-	-	-	-		8.4		6.9		8.4
00-10	-18.5%	-19.5%	-12.8%	-12.5%	-18.5%	-19.5%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-18.5%	-19.5%	-12.8%	-12.5%	-18.5%	-19.5%
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15-20		0.6%		0.6%		0.6%		#DIV/0!		#DIV/0!		#DIV/0!		0.6%		0.6%		0.6%
20-25		0.5%		-0.3%		0.5%		#DIV/0!		#DIV/0!		#DIV/0!		0.5%		-0.3%		0.5%
25-30		1.6%		2.1%		1.6%		#DIV/0!		#DIV/0!		#DIV/0!		1.6%		2.1%		1.6%
30-35		0.6%		1.3%		0.6%		#DIV/0!		#DIV/0!		#DIV/0!		0.6%		1.3%		0.6%
10-35		1.5%		-0.6%		1.5%		#DIV/0!		#DIV/0!		#DIV/0!		1.5%		-0.6%		1.5%

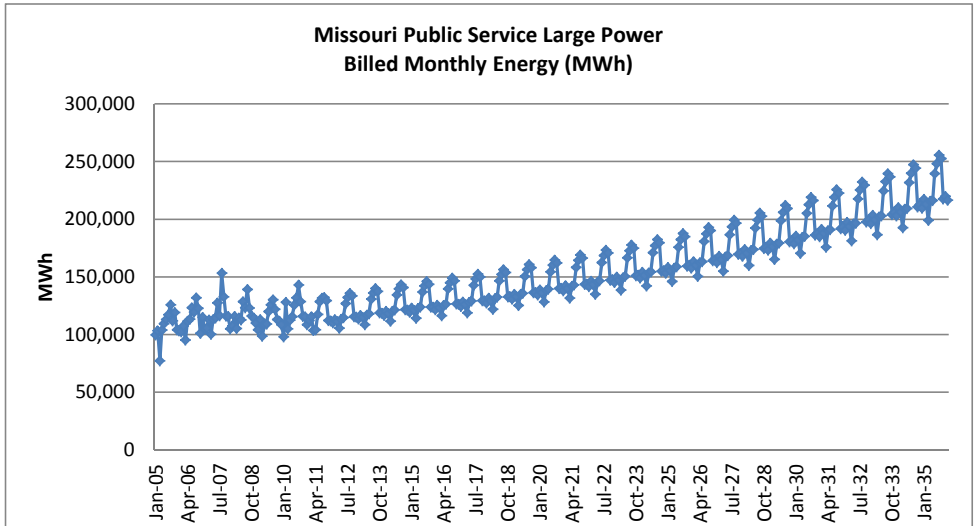
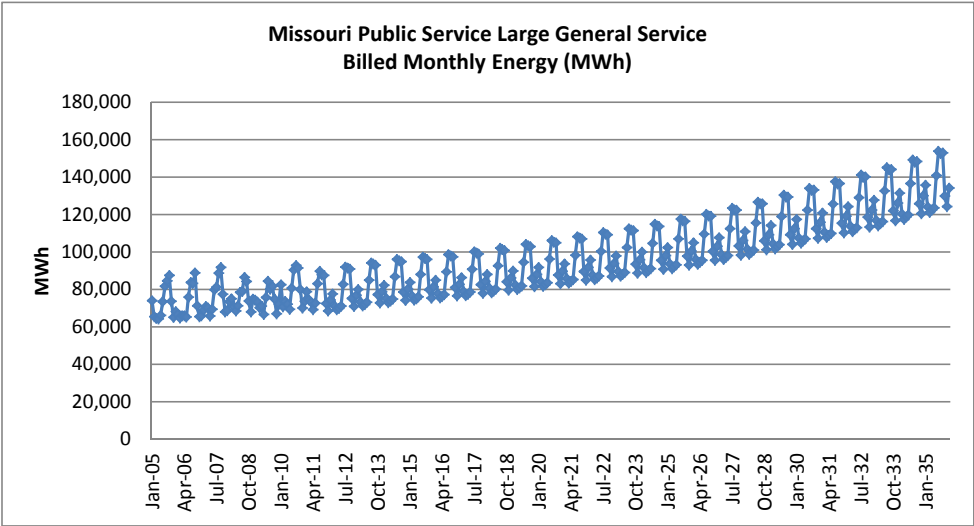
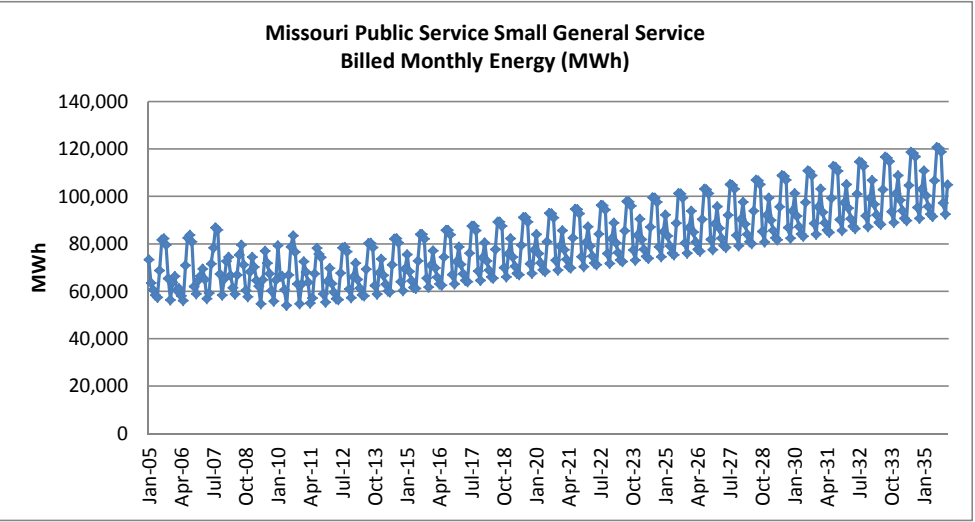
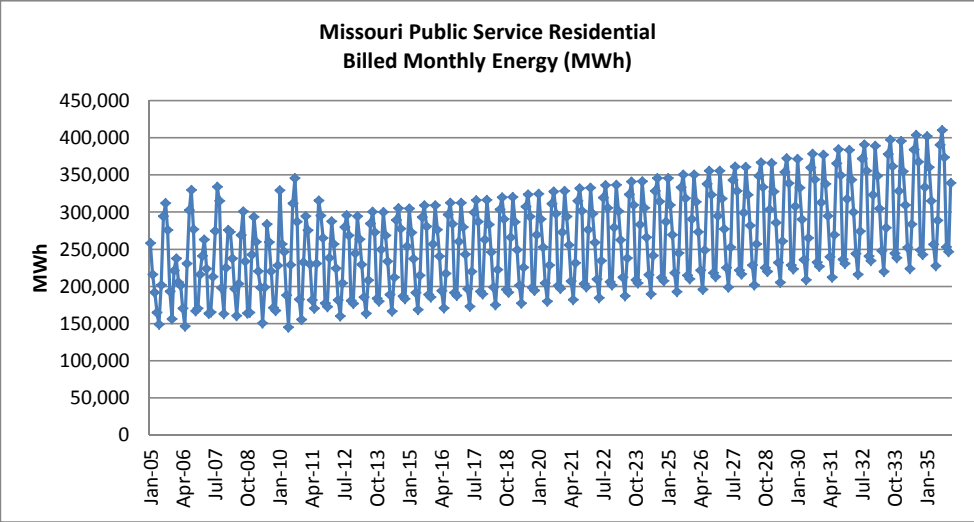


**Plot 3B-7 MPS & SJ Total System MW Peak Demand
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	1,091.0	1,129.0	750.0	741.0	1,091.0	1,129.0	346.0	352.0	300.0	291.0	346.0	352.0	1,437.0	1,481.0	1,050.0	1,031.9	1,437.0	1,481.0
1997	1,131.0	1,159.0	760.0	746.0	1,131.0	1,159.0	350.0	356.0	311.0	301.0	350.0	356.0	1,481.0	1,515.0	1,071.0	1,047.0	1,481.0	1,515.0
1998	1,197.0	1,238.0	824.0	812.0	1,197.0	1,238.0	376.0	395.0	301.0	295.0	376.0	395.0	1,573.0	1,633.0	1,125.0	1,107.0	1,573.0	1,633.0
1999	1,276.0	1,269.0	822.0	815.9	1,276.0	1,269.0	388.0	380.0	316.0	305.4	388.0	380.0	1,664.0	1,649.0	1,138.0	1,121.3	1,664.0	1,649.0
2000	1,335.0	1,316.0	937.0	883.3	1,335.0	1,316.0	403.0	400.0	346.0	323.0	403.0	400.0	1,738.0	1,716.0	1,283.0	1,206.3	1,738.0	1,716.0
2001	1,300.0	1,311.0	856.0	863.9	1,300.0	1,311.0	398.0	399.0	325.0	315.0	398.0	399.0	1,698.0	1,710.0	1,181.0	1,178.9	1,698.0	1,710.0
2002	1,333.0	1,291.0	851.0	879.8	1,333.0	1,291.0	399.0	385.0	311.0	322.7	399.0	385.0	1,732.0	1,676.0	1,162.0	1,202.6	1,732.0	1,676.0
2003	1,443.0	1,337.0	933.0	928.7	1,443.0	1,337.0	419.0	381.0	351.0	355.6	419.0	381.0	1,862.0	1,718.0	1,284.0	1,284.3	1,862.0	1,718.0
2004	1,344.0	1,400.0	957.0	945.1	1,344.0	1,400.0	399.0	423.0	357.0	347.0	399.0	423.0	1,743.0	1,823.0	1,314.0	1,292.0	1,743.0	1,823.0
2005	1,422.0	1,409.0	1,048.0	1,016.2	1,422.0	1,409.0	409.0	401.0	374.0	361.0	409.0	401.0	1,831.0	1,810.0	1,422.0	1,377.2	1,831.0	1,810.0
2006	1,521.0	1,423.0	993.0	1,040.7	1,521.0	1,423.0	446.0	413.0	355.0	375.0	446.0	413.0	1,967.0	1,836.0	1,348.0	1,415.7	1,967.0	1,836.0
2007	1,525.0	1,477.0	1,042.0	1,011.8	1,525.0	1,477.0	437.0	448.0	399.0	396.6	437.0	448.0	1,962.0	1,925.0	1,441.0	1,408.3	1,962.0	1,925.0
2008	1,478.0	1,495.0	1,056.0	1,091.8	1,478.0	1,495.0	446.0	451.0	416.0	400.0	446.0	451.0	1,924.0	1,946.0	1,472.0	1,491.8	1,924.0	1,946.0
2009	1,478.0	1,478.0	1,117.0	1,098.1	1,478.0	1,478.0	438.0	420.0	445.0	431.1	438.0	420.0	1,916.0	1,898.0	1,562.0	1,529.2	1,916.0	1,898.0
2010	1,521.0	1,447.0	1,213.0	1,134.4	1,521.0	1,447.0	447.0	445.0	440.0	412.2	447.0	445.0	1,968.0	1,892.0	1,653.0	1,546.6	1,968.0	1,892.0
2011	1,579.0	1,485.0	1,159.0	1,110.8	1,579.0	1,485.0	447.0	425.0	426.0	408.6	447.0	425.0	2,026.0	1,910.0	1,585.0	1,519.5	2,026.0	1,910.0
2012		1,514.3		1,153.8		1,514.3		434.9		412.4		434.9		1,949.2		1,566.2		1,949.2
2013		1,542.8		1,179.5		1,542.8		437.5		418.2		437.5		1,980.3		1,597.7		1,980.3
2014		1,571.0		1,201.9		1,571.0		440.1		420.6		440.1		2,011.0		1,622.5		2,011.0
2015		1,592.3		1,218.9		1,592.3		444.0		424.4		444.0		2,036.2		1,643.3		2,036.2
2016		1,613.8		1,237.6		1,613.8		449.0		429.5		449.0		2,062.7		1,667.1		2,062.7
2017		1,636.1		1,256.0		1,636.1		453.5		434.3		453.5		2,089.7		1,690.4		2,089.7
2018		1,661.4		1,276.7		1,661.4		458.8		439.4		458.8		2,120.2		1,716.1		2,120.2
2019		1,688.1		1,298.5		1,688.1		464.4		444.9		464.4		2,152.5		1,743.4		2,152.5
2020		1,713.9		1,319.9		1,713.9		470.1		450.6		470.1		2,184.0		1,770.5		2,184.0
2021		1,741.9		1,342.1		1,741.9		475.9		456.1		475.9		2,217.9		1,798.2		2,217.9
2022		1,769.7		1,363.8		1,769.7		481.8		461.9		481.8		2,251.5		1,825.7		2,251.5
2023		1,797.7		1,386.2		1,797.7		487.6		467.6		487.6		2,285.3		1,853.8		2,285.3
2024		1,827.5		1,410.5		1,827.5		493.7		473.6		493.7		2,321.2		1,884.1		2,321.2
2025		1,859.6		1,435.4		1,859.6		499.9		479.6		499.9		2,359.5		1,915.0		2,359.5
2026		1,892.7		1,462.7		1,892.7		506.4		485.6		506.4		2,399.1		1,948.3		2,399.1
2027		1,930.1		1,493.1		1,930.1		513.2		492.1		513.2		2,443.4		1,985.2		2,443.4
2028		1,967.5		1,523.4		1,967.5		520.3		498.8		520.3		2,487.8		2,022.2		2,487.8
2029		2,007.0		1,554.4		2,007.0		527.5		505.5		527.5		2,534.4		2,059.9		2,534.4
2030		2,047.0		1,587.0		2,047.0		534.8		512.5		534.8		2,581.8		2,099.5		2,581.8
2031		2,086.2		1,618.5		2,086.2		542.2		519.8		542.2		2,628.4		2,138.3		2,628.4
2032		2,127.6		1,653.1		2,127.6		549.6		527.0		549.6		2,677.2		2,180.1		2,677.2
2033		2,169.8		1,687.8		2,169.8		557.3		534.3		557.3		2,727.1		2,222.0		2,727.1
2034		2,213.8		1,724.4		2,213.8		564.9		541.8		564.9		2,778.7		2,266.1		2,778.7
2035		2,260.6		1,762.1		2,260.6		572.6		549.3		572.6		2,833.2		2,311.4		2,833.2
00-'10	1.3%	1.0%	2.6%	2.5%	1.3%	1.0%	1.0%	1.1%	2.4%	2.5%	1.0%	1.1%	1.3%	1.0%	2.6%	2.5%	1.3%	1.0%
10-'15		1.9%		1.4%		1.9%		0.0%		0.6%		0.0%		1.5%		1.2%		1.5%
15-'20		1.5%		1.6%		1.5%		1.1%		1.2%		1.1%		1.4%		1.5%		1.4%
20-'25		1.6%		1.7%		1.6%		1.2%		1.3%		1.2%		1.6%		1.6%		1.6%
25-'30		1.9%		2.0%		1.9%		1.4%		1.3%		1.4%		1.8%		1.9%		1.8%
30-'35		2.0%		2.1%		2.0%		1.4%		1.4%		1.4%		1.9%		1.9%		1.9%
10-'35		1.8%		1.8%		1.8%		1.0%		1.2%		1.0%		1.6%		1.6%		1.6%

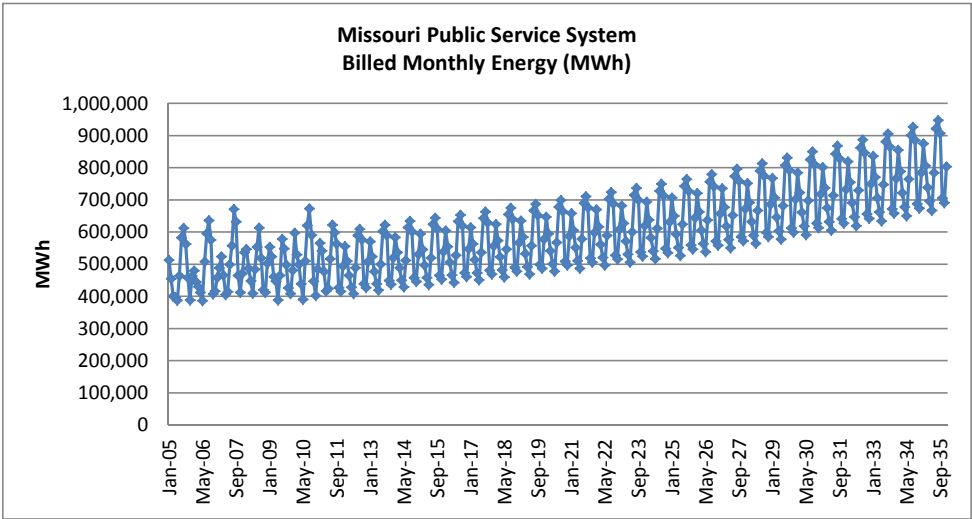
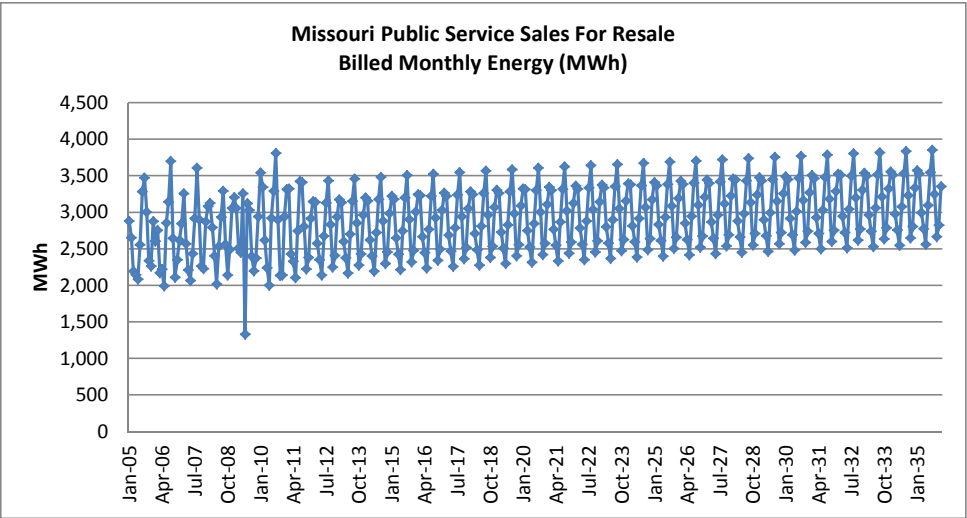
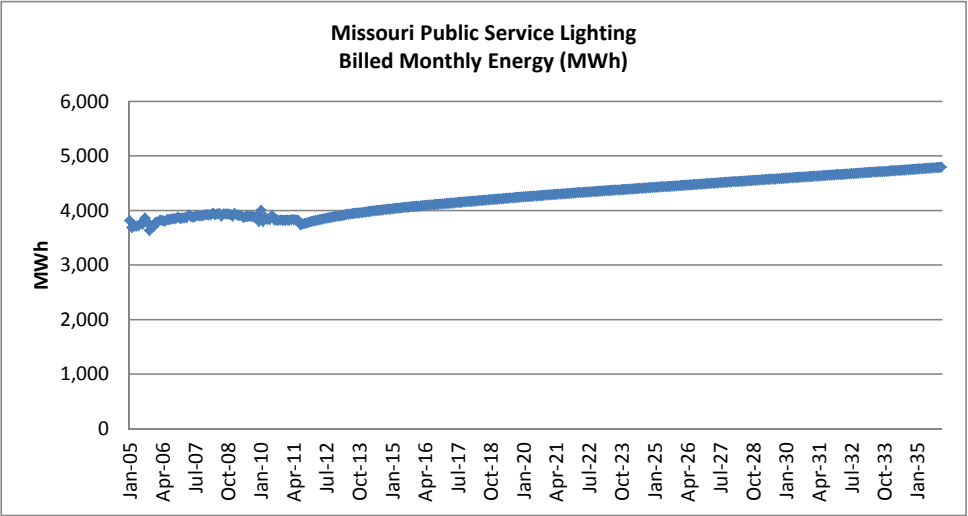


Plot 3B-8 MPS Energy Plots



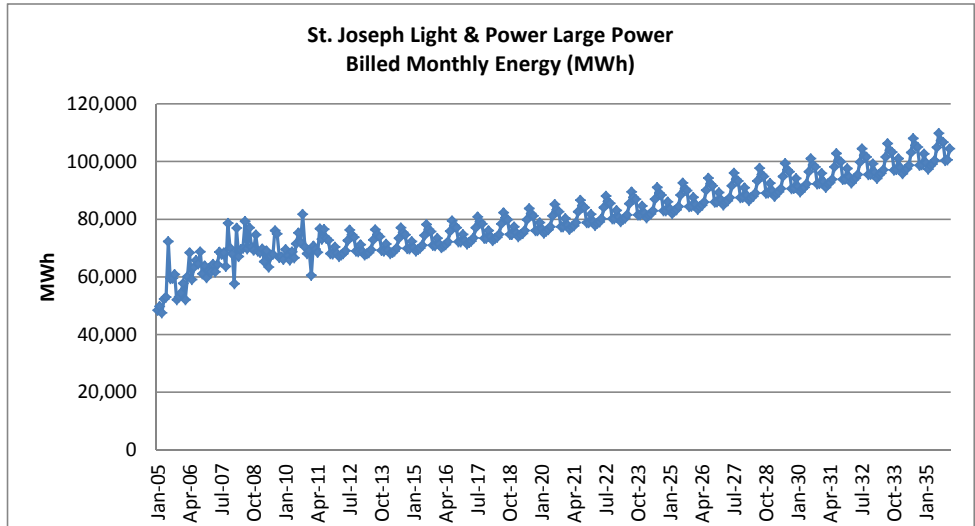
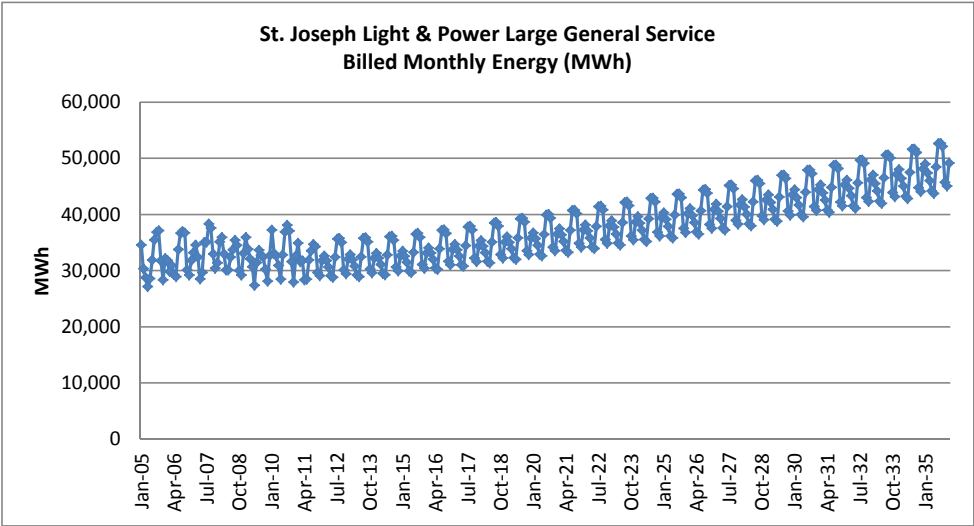
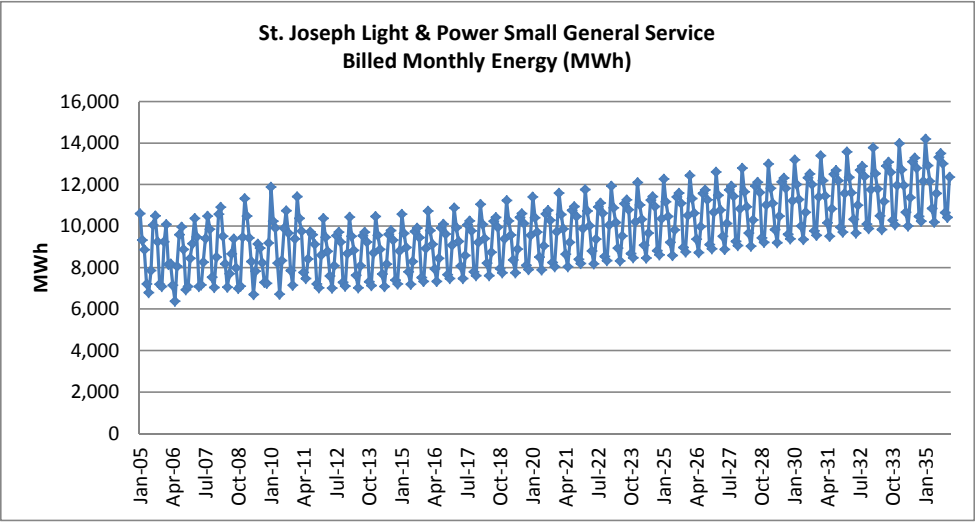
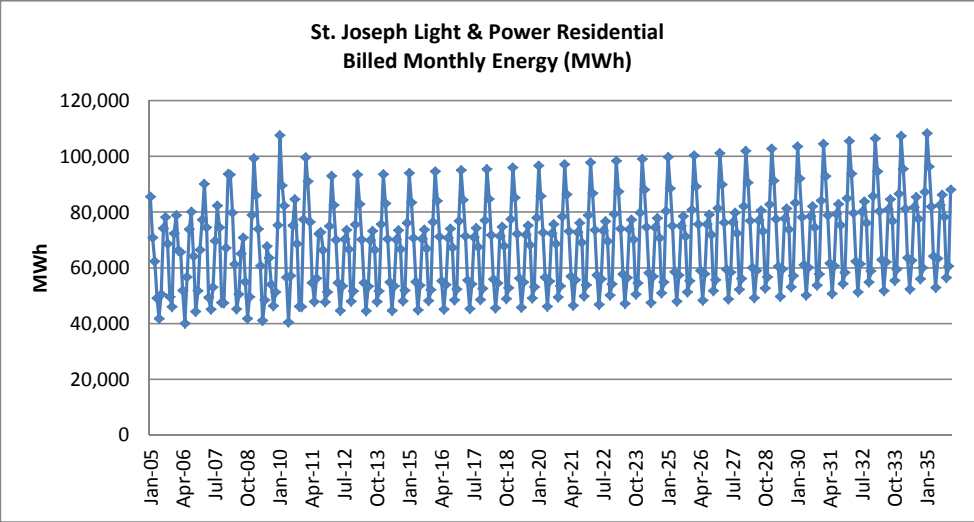
*Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.

Plot 3B-9 MPS Energy Plots



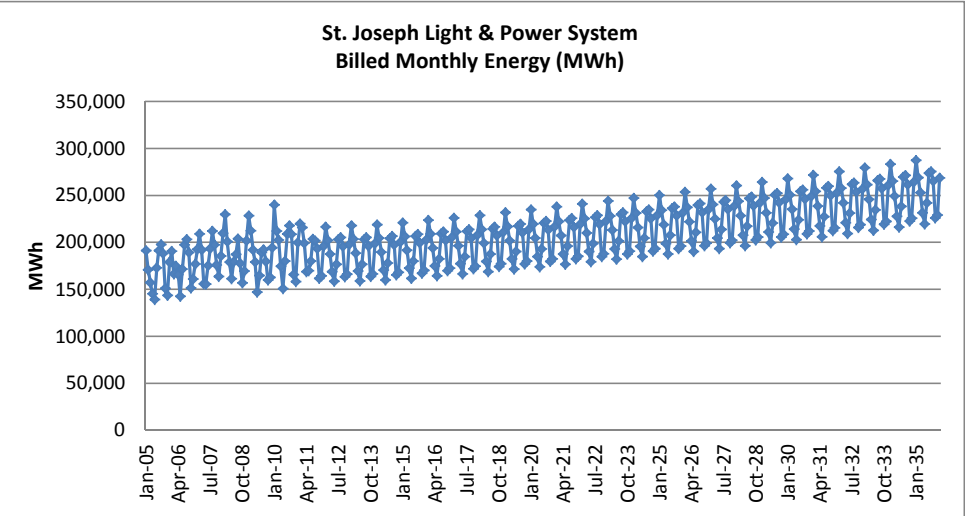
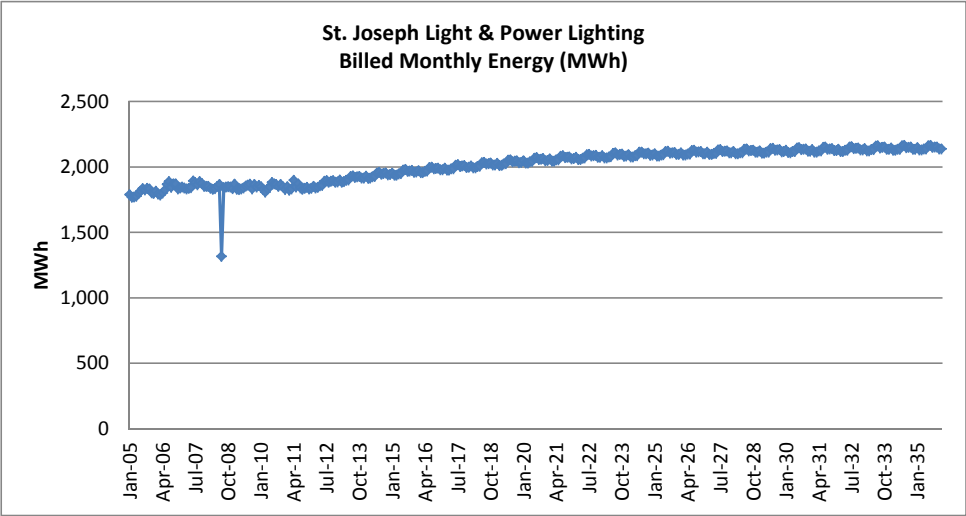
*Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.

Plot 3B-10 St. Joseph Light & Power Energy Plots



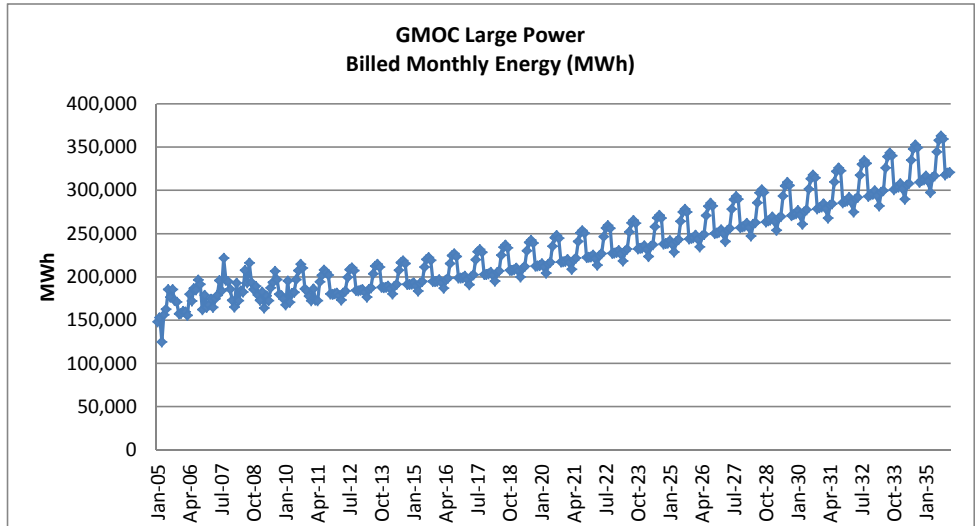
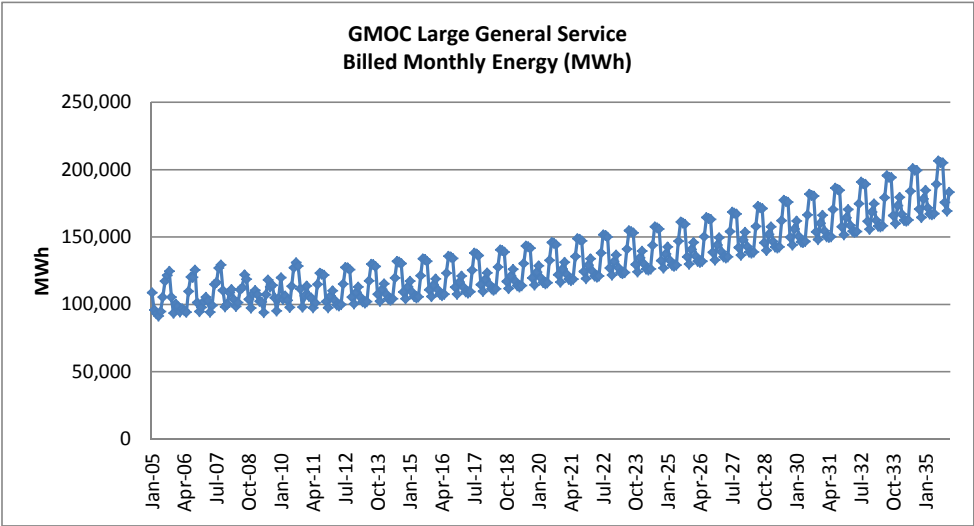
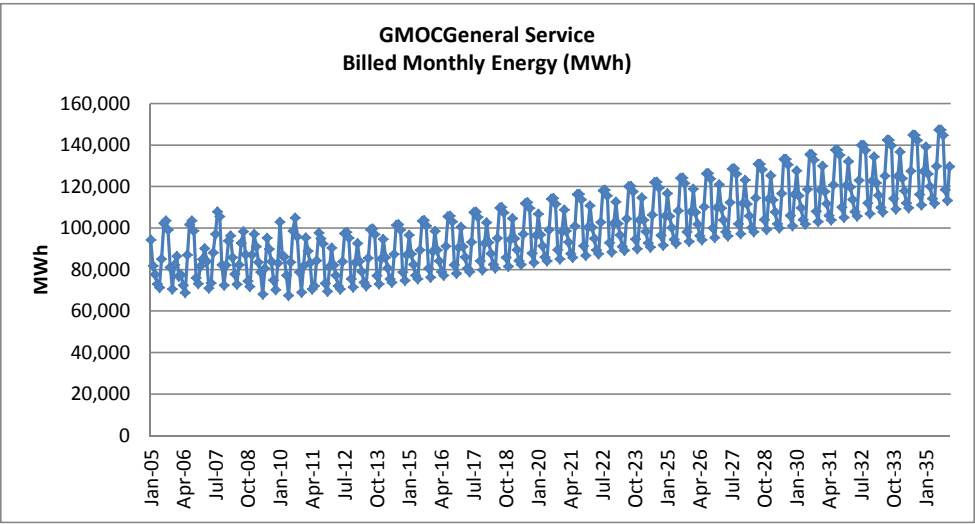
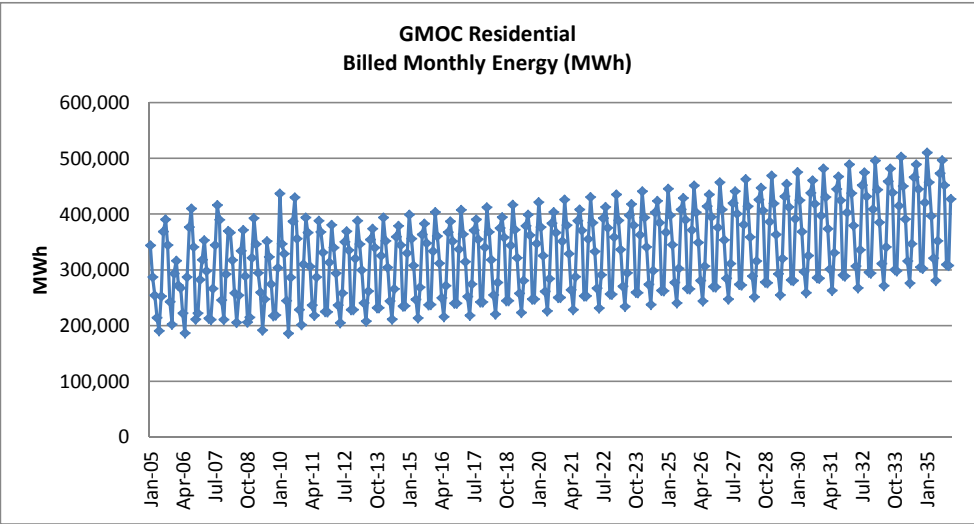
*Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.

Plot 3B-11 St. Joseph Light & Power Energy Plots



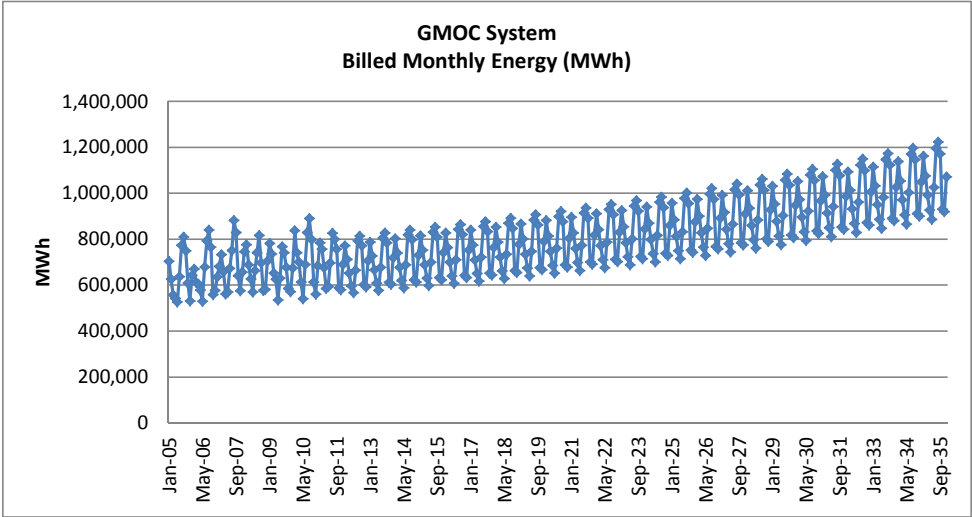
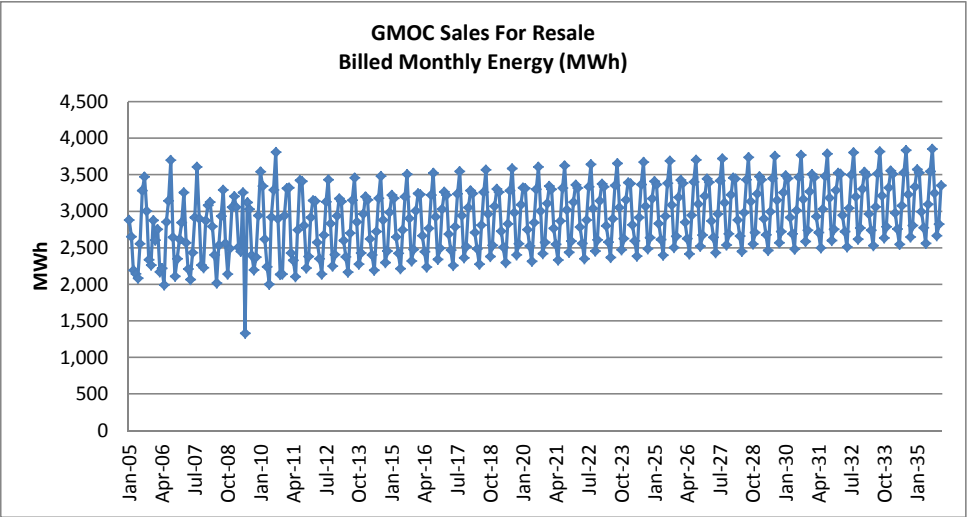
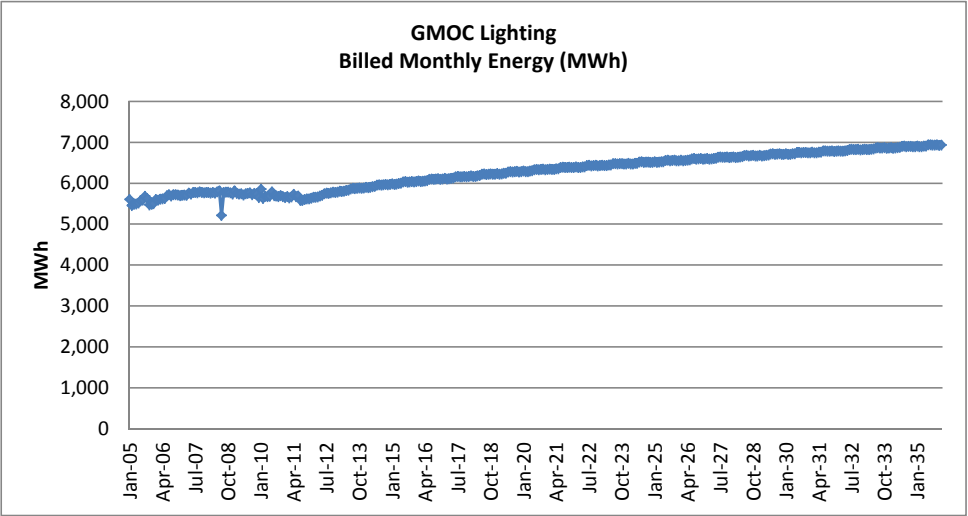
**Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.*

Plot 3B-12 GMO Energy Plots



*Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.

Plot 3B-13 GMO Energy Plots



*Errors are due to rate switchers and billing errors. These outlier data points are adjusted for in the models.