

**Part 1 - Appendix 3A1
Evergy Metro Reports**

**Missouri 4 CSR 240-22.030 (2)(D)(3) Reporting Requirements
Load Analysis and Forecasting**

(2)(D) For each major class specified pursuant to subsection (2)(A), the utility shall provide, on a seasonal and annual basis for each year of the historical period --

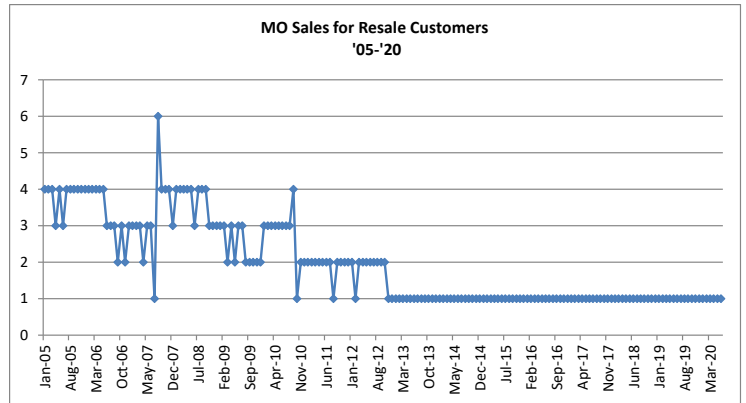
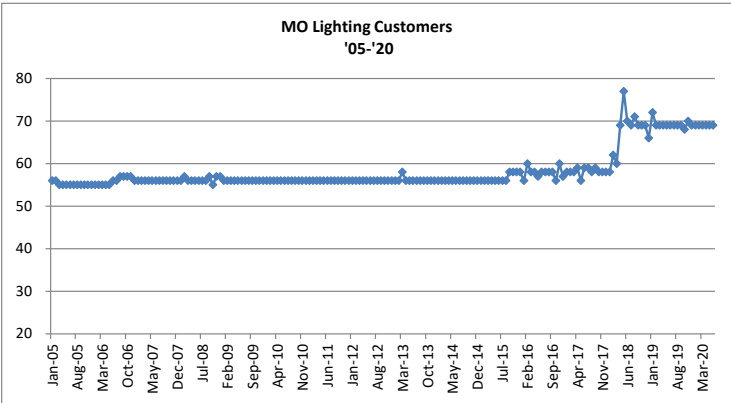
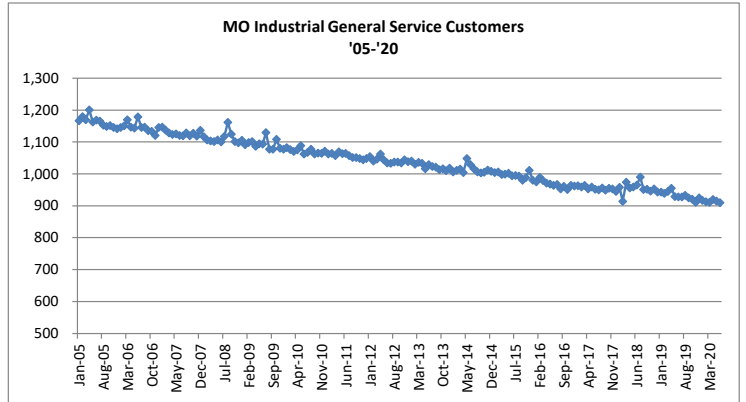
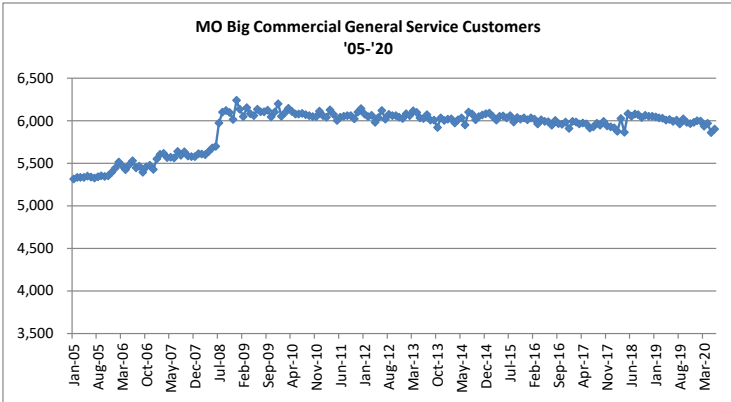
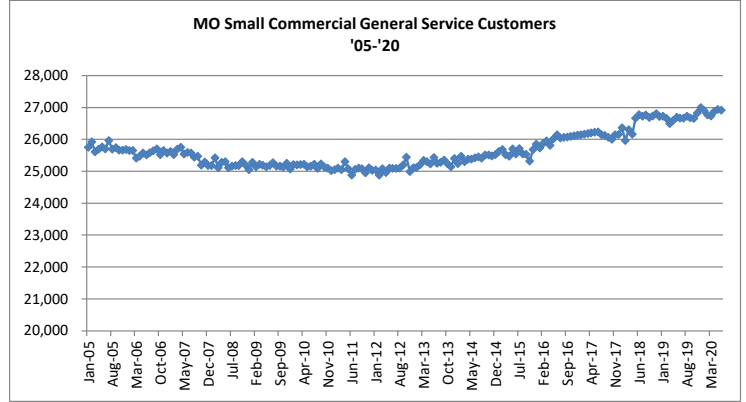
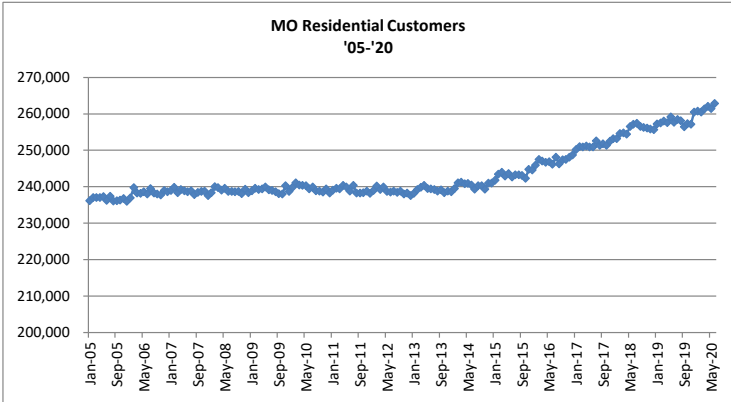
(2)(D)(3) Plots illustrating trends materially affecting electricity consumption over the historical period.

Compliance: See Plots 3A1-1 through 3A1-8 for base-case Evergy Metro forecast reports designed to comply with section (2)(D)(3) reporting requirements.

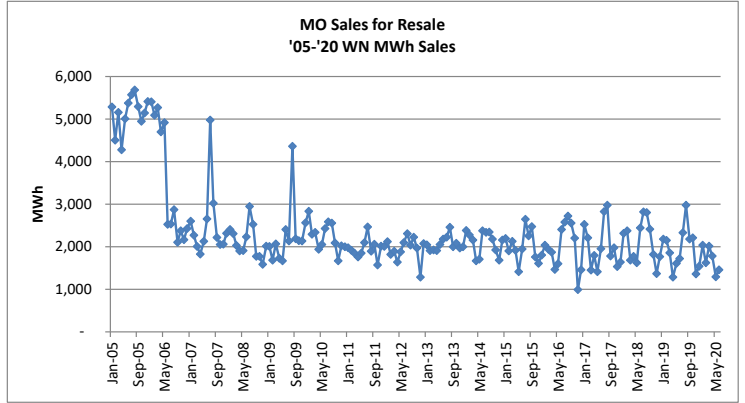
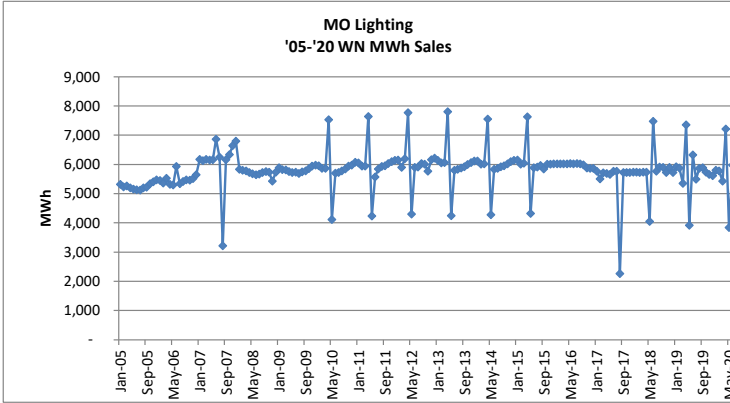
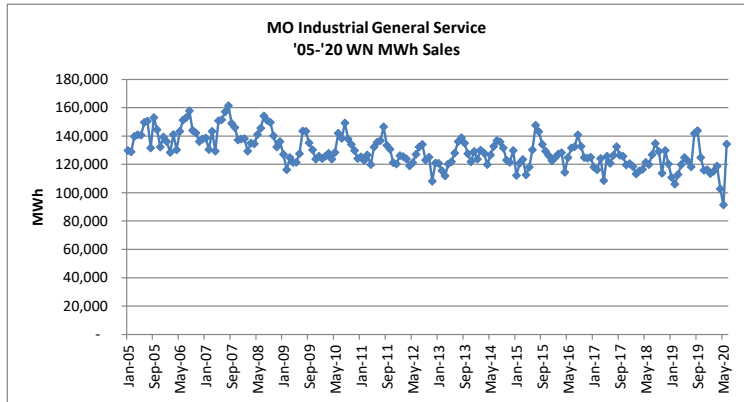
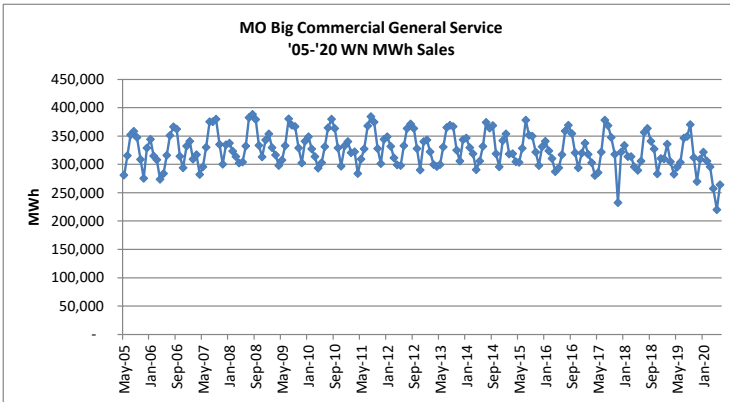
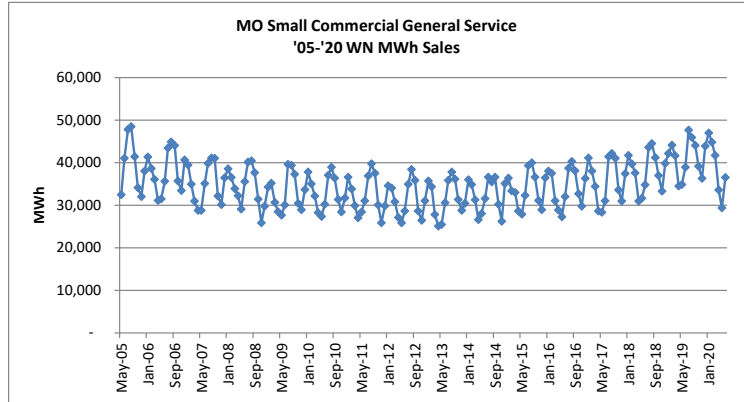
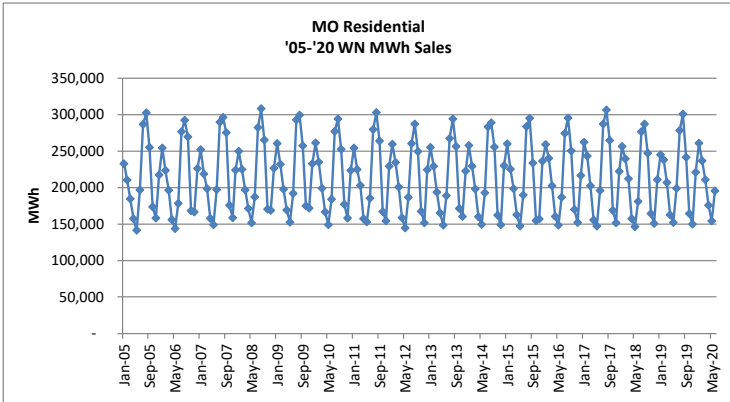
Work Files:

MO2021RES_Datalyzer
MO2021Com_Datalyzer
MO2021IND_Datalyzer
MO2021Other_Datalyzer
KS2021RES_Datalyzer
KS2021Com_Datalyzer
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KS2021Other_Datalyzer

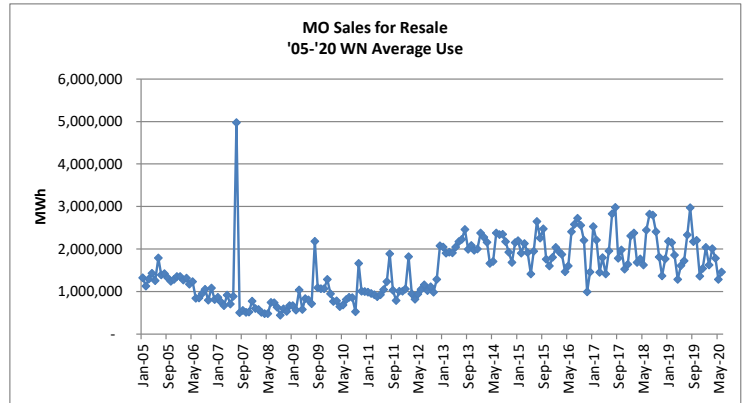
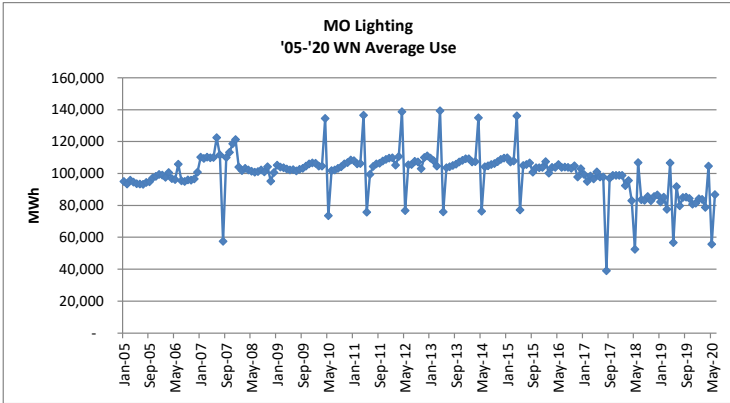
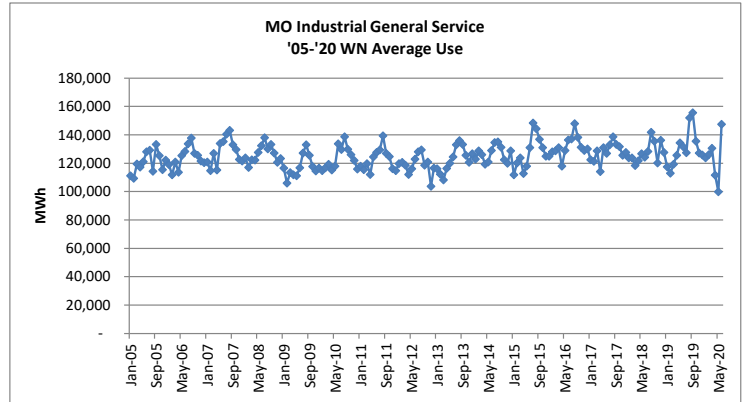
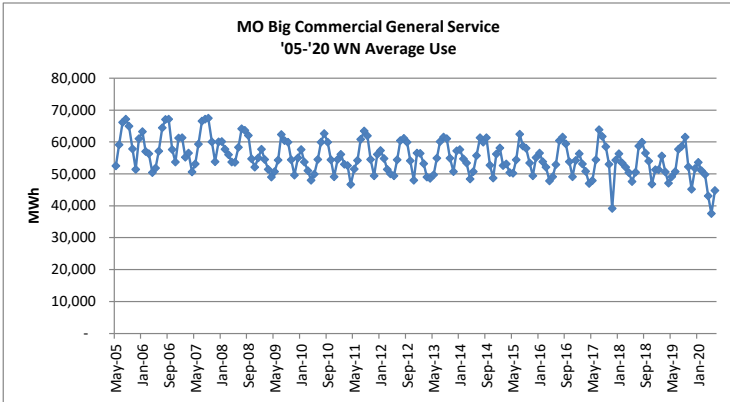
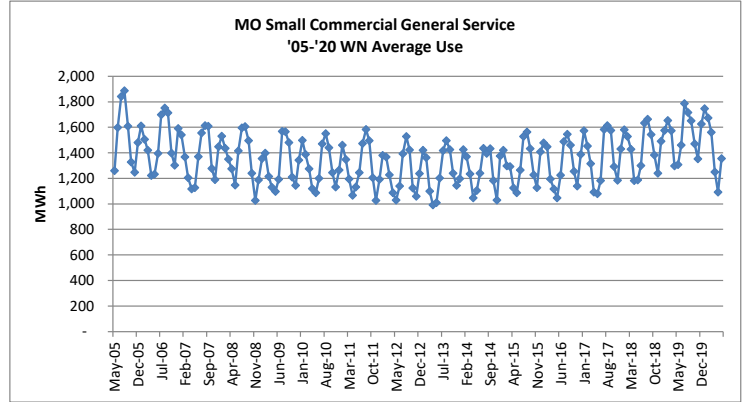
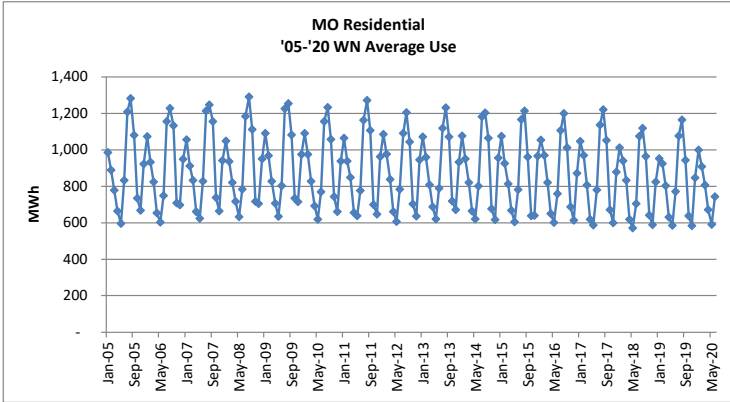
Plot 3A1-1 Evergy Metro - Missouri Class Customers



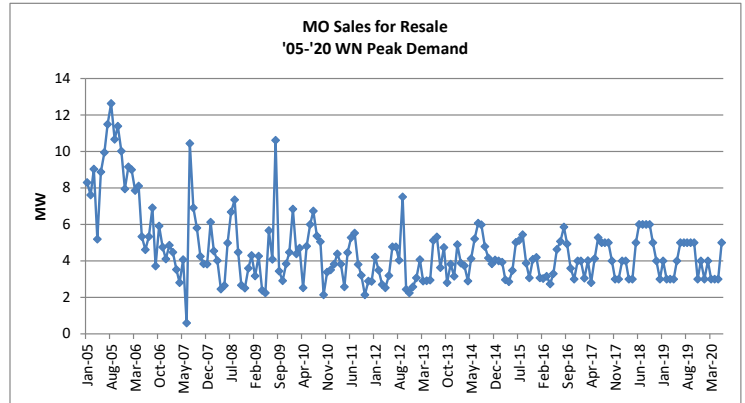
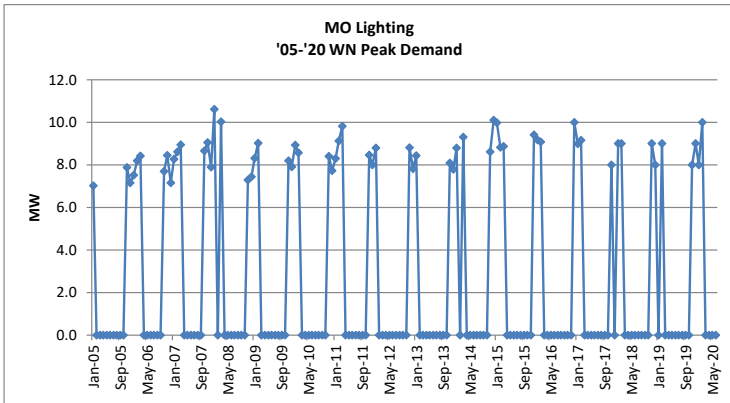
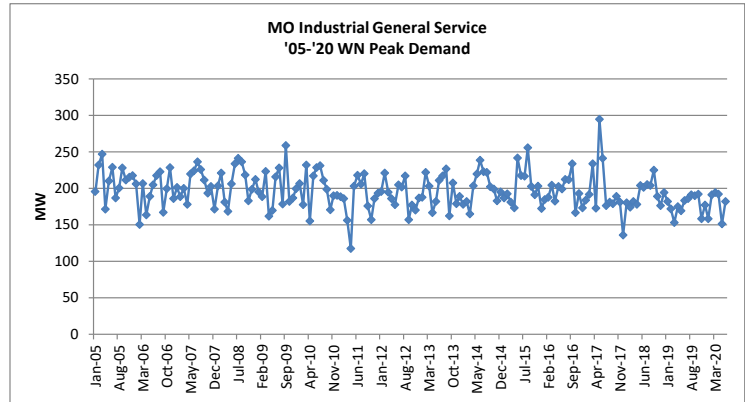
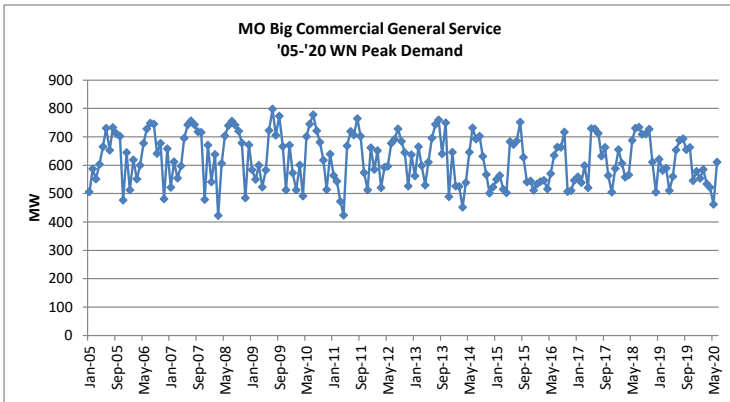
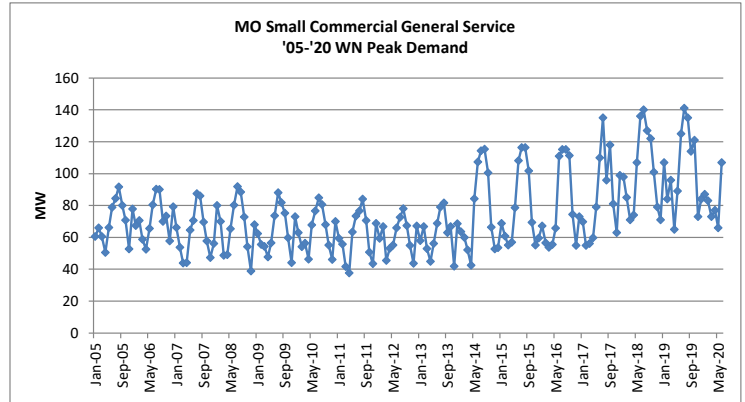
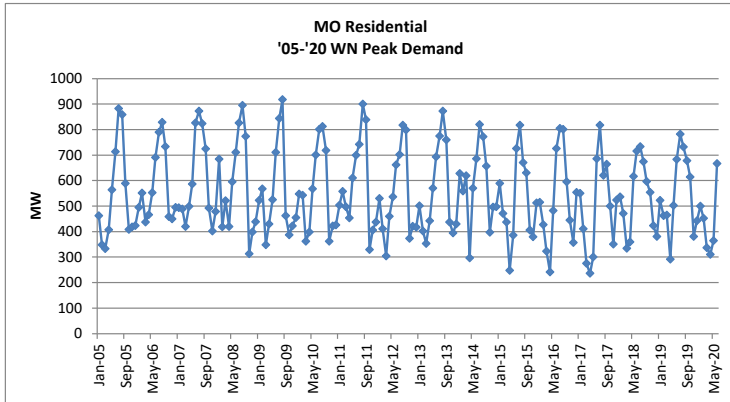
Plot 3A1-2 Evergy Metro - Missouri Class Weather Normalized MWh Sales



Plot 3A1-3 Evergy Metro - Missouri Class Weather Normalized Average Use



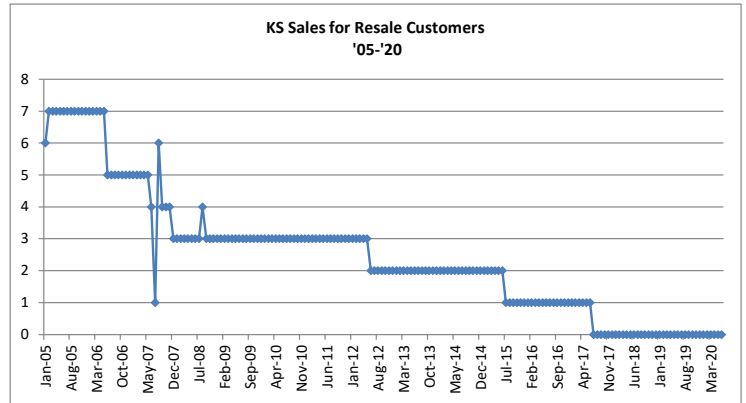
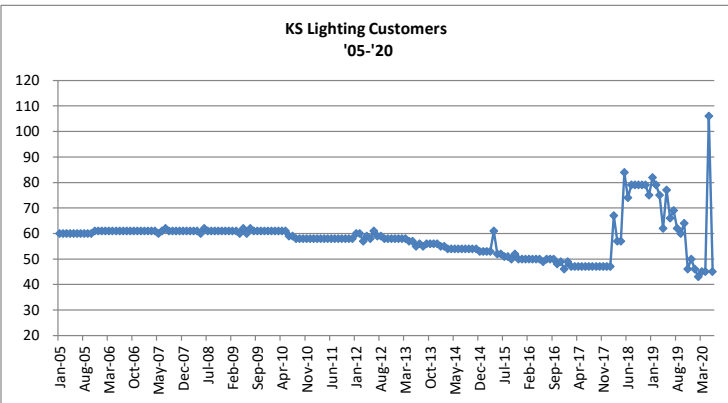
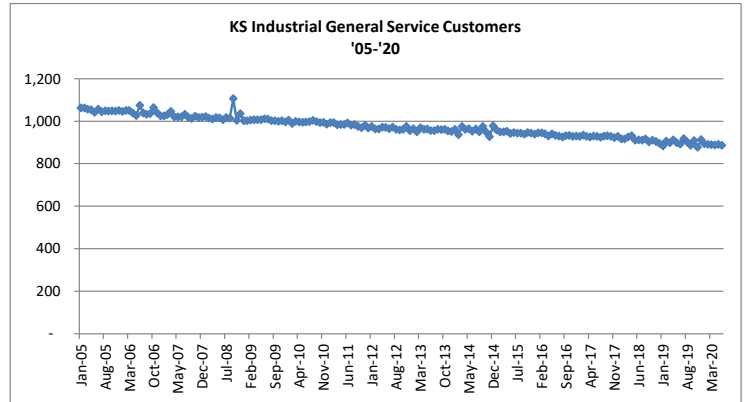
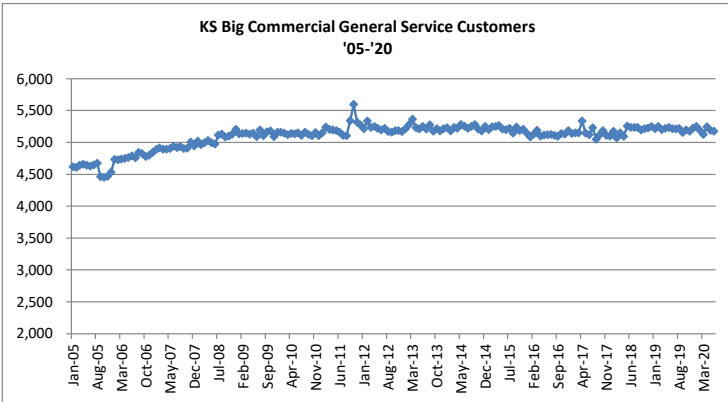
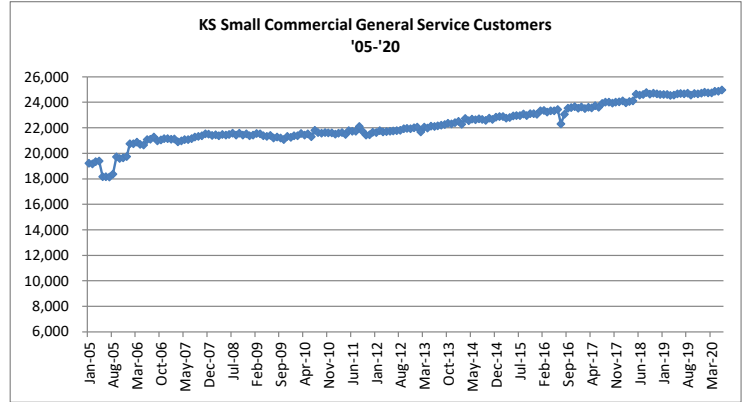
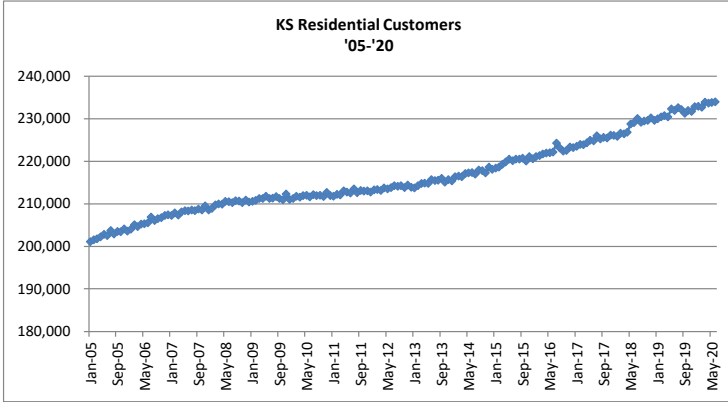
Plot 3A1-4 Eversource - Missouri Class Weather Normalized Peak Demand (MW)



*Increase in small general service and decrease in big commercial due to customer switching.

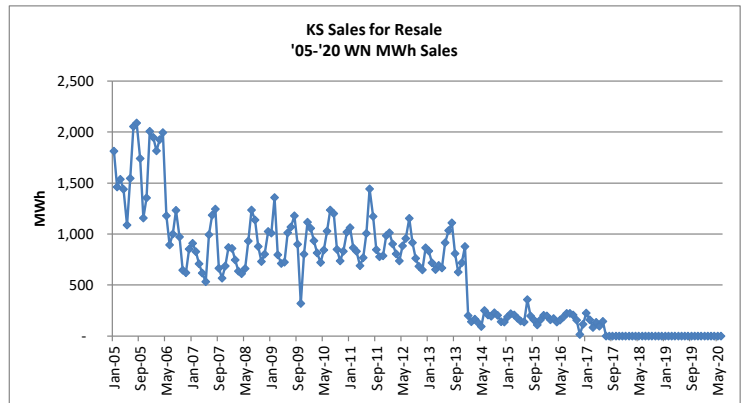
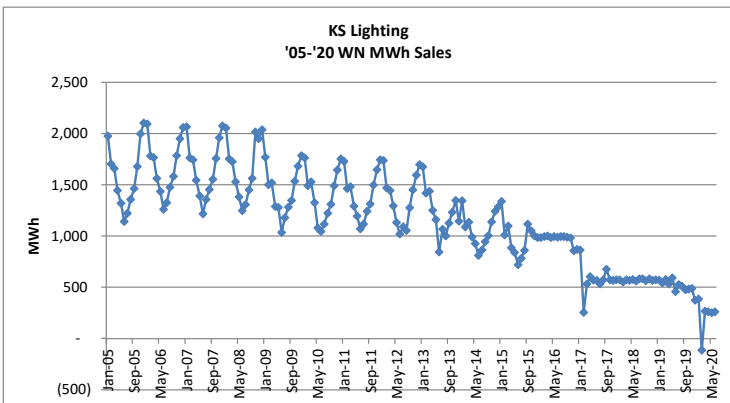
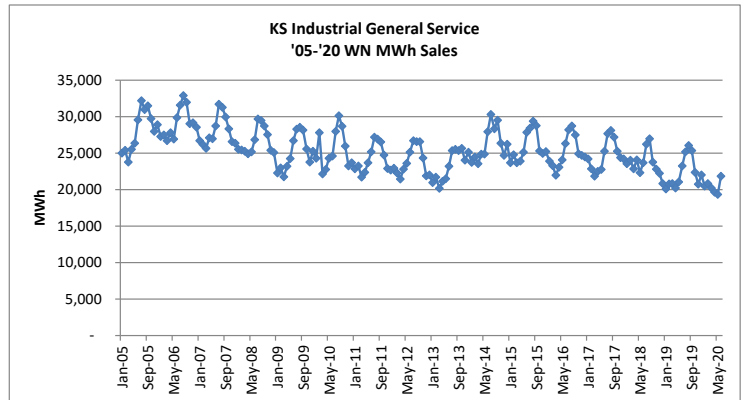
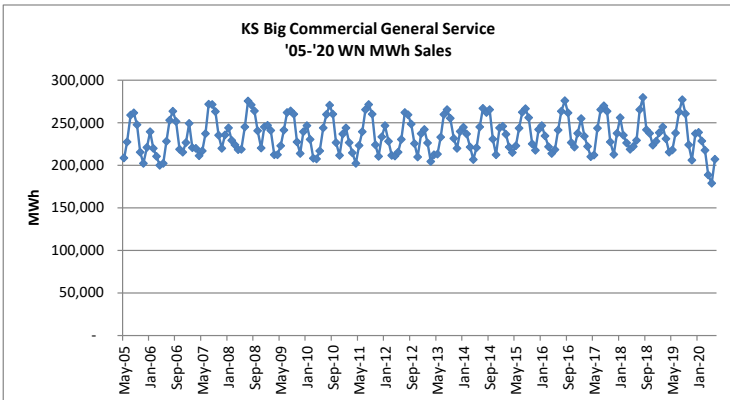
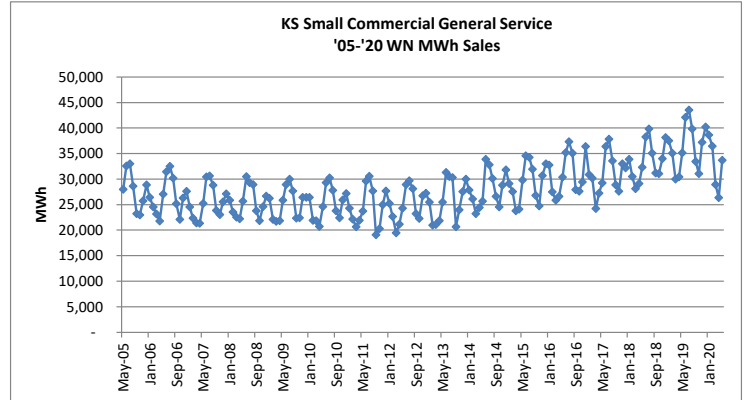
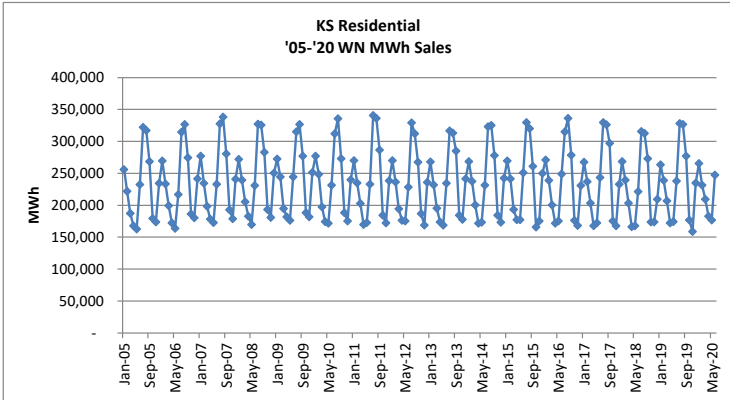
**Small general service has seen a larger increase in customer growth and updated new load shapes contribute to the increase.

Plot 3A1-5 Eversource Energy - Kansas Class Customers



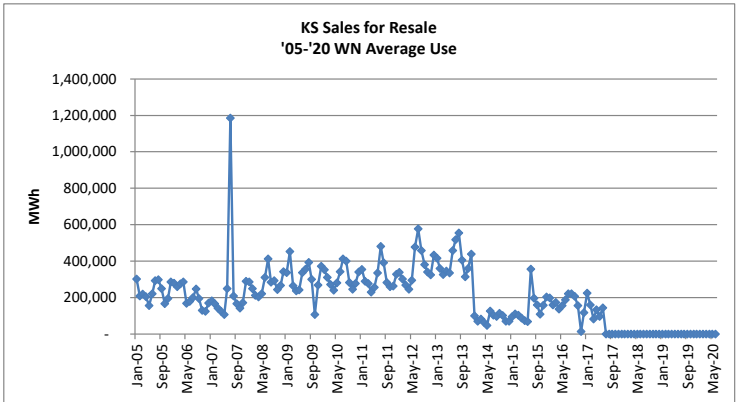
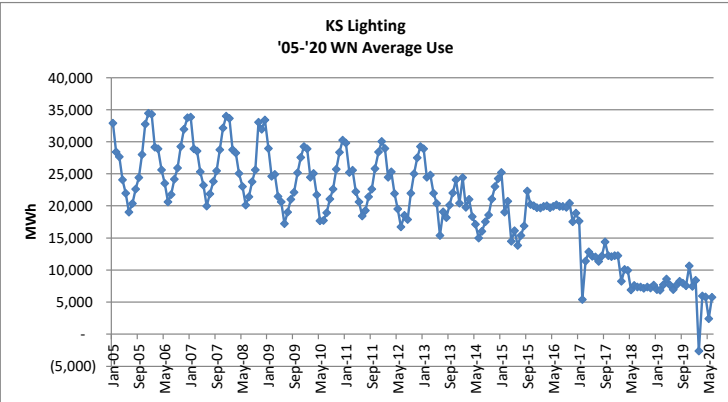
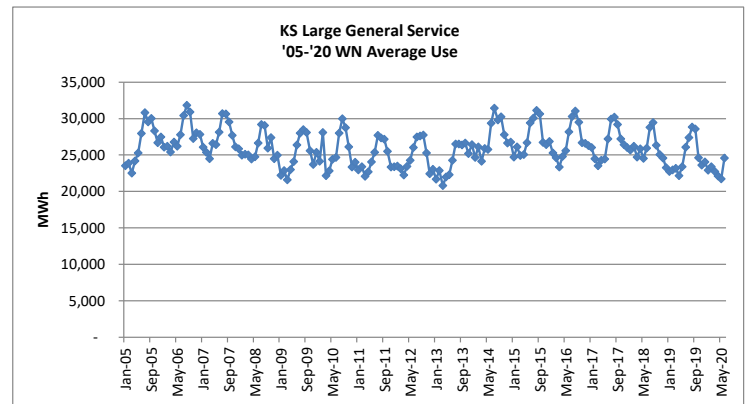
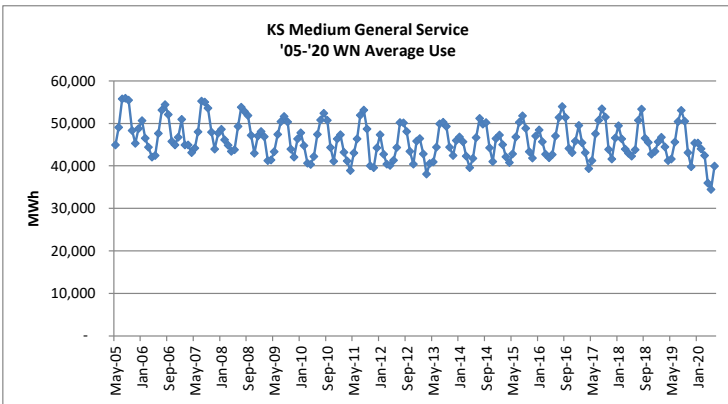
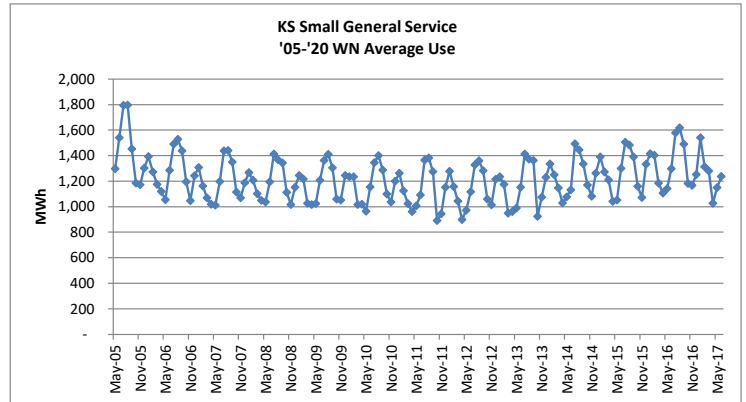
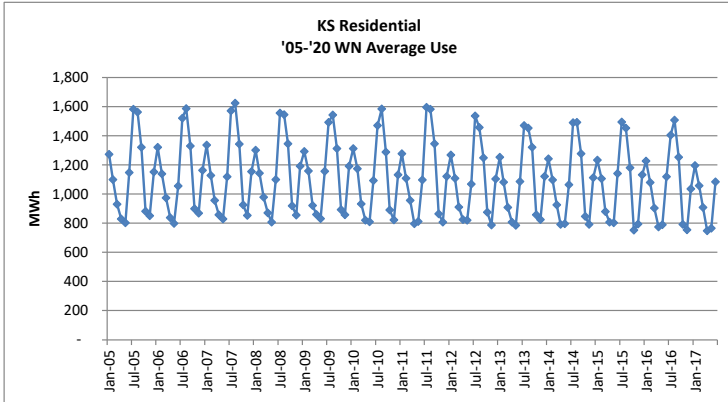
*Increase in large general service and decrease in large power due to customer switching. Metro Kansas SFR customers is zero as of July 2017

Plot 3A1-6 Evergy Metro - Kansas Class Weather Normalized MWh Sales



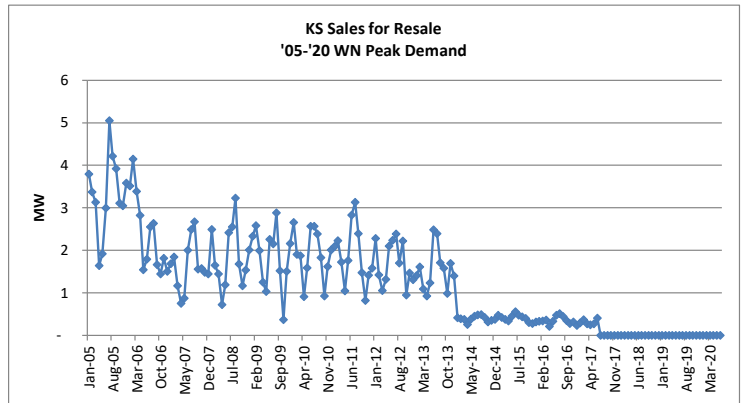
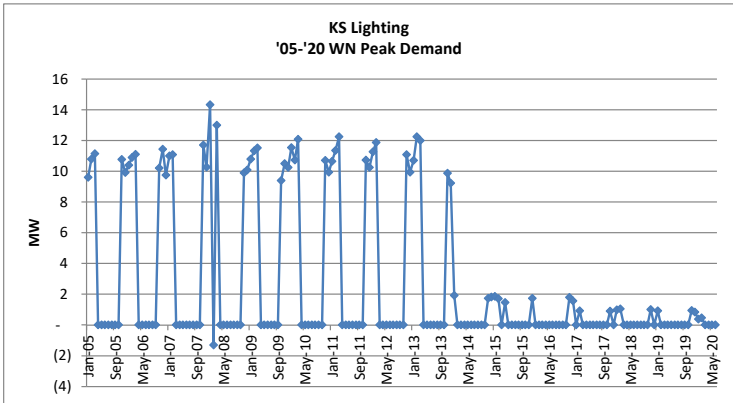
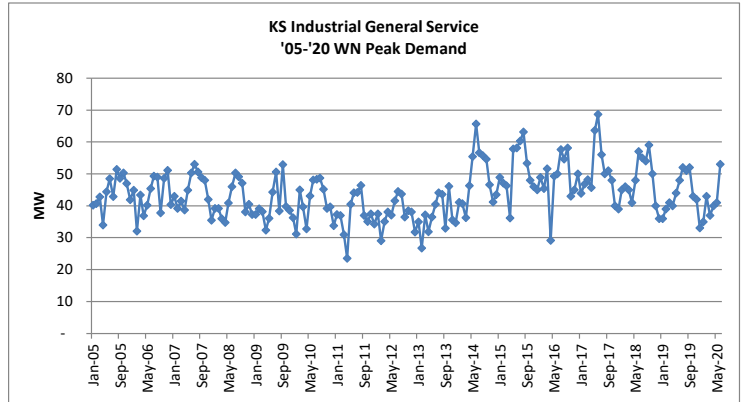
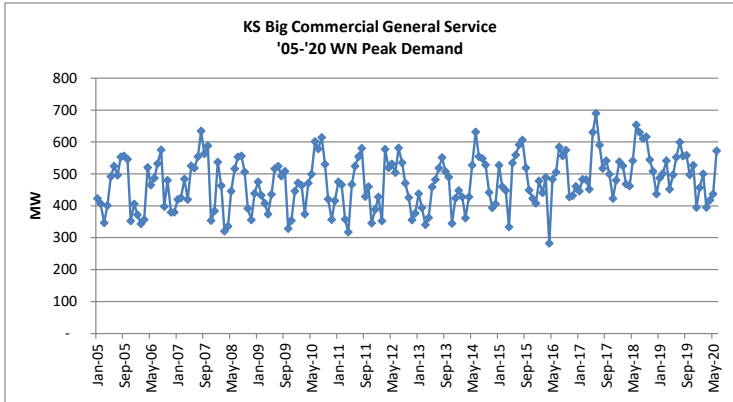
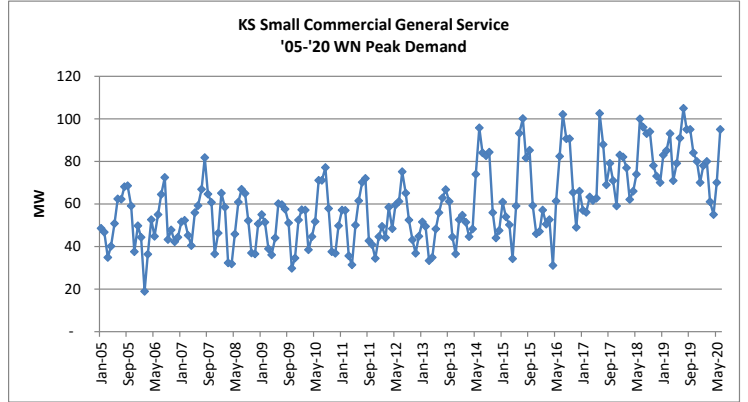
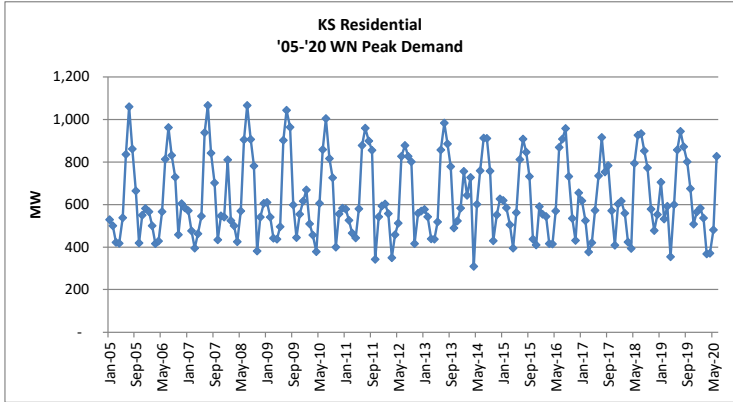
*Increase in large general service and decrease in large power due to customer switching.

Plot 3A1-7 Eversky Metro - Kansas Class Weather Normalized Average Use



*Increase in large general service and decrease in large power due to customer switching.
Metro Kansas SFR KWH is zero as of July 2017

Plot 3A1-8 Evergy Metro - Kansas Class Weather Normalized Peak Demand (MW)



*Increase in large general service and decrease in large power due to customer switching.

**Small general service has seen a larger increase in customer growth and updated new load shapes contribute to the increase.

***Lighting decrease is due to cities purchasing lights from KCP&L

Metro Kansas SFR KWH is zero as of July 2017