

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.171       | 0.023  | 51.725 | 0%      |
| mStructResRev.XCool  | 1.579       | 0.054  | 28.994 | 0%      |
| mStructResRev.XOther | 0.977       | 0.022  | 43.563 | 0%      |
| mBin.Yr2014Plus      | -63.031     | 14.364 | -4.388 | 0%      |
| mBin.Yr2018Plus      | -13.318     | 12.210 | -1.091 | 28%     |
| mBin.Jul15           | 758.544     | 65.905 | 11.510 | 0%      |
| mBin.Apr16           | -484.835    | 65.505 | -7.402 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 156      |
| Deg. of Freedom for Error | 149      |
| R-Squared                 | 0.961    |
| Adjusted R-Squared        | 0.959    |
| AIC                       | 8.379    |
| BIC                       | 8.516    |
| F-Statistic               | 523.557  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -867.95  |
| Model Sum of Squares      | 15281561 |
| Sum of Squared Errors     | 621287   |
| Mean Squared Error        | 4169.71  |
| Std. Error of Regression  | 64.57    |
| Mean Abs. Dev. (MAD)      | 49.54    |
| Mean Abs. % Err. (MAPE)   | 4.31%    |
| Durbin-Watson Statistic   | 1.750    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 25.03    |
| Prob (Ljung-Box)          | 0.404    |
| Skewness                  | 0.244    |
| Kurtosis                  | 3.577    |
| Jarque-Bera               | 3.710    |
| Prob (Jarque-Bera)        | 0.156    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.171       | 306.631 | 0.306  |
| mStructResRev.XCool  | 1.579       | 109.798 | 0.148  |
| mStructResRev.XOther | 0.977       | 709.954 | 0.591  |
| mBin.Yr2014Plus      | -63.031     | 0.769   | -0.041 |
| mBin.Yr2018Plus      | -13.318     | 0.462   | -0.005 |
| mBin.Jul15           | 758.544     | 0.006   | 0.004  |
| mBin.Apr16           | -484.835    | 0.006   | -0.003 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 11898.445   | 1046.051 | 11.375 | 0%      |
| mStructComRev.XCool  | 2776.359    | 272.510  | 10.188 | 0%      |
| mStructComRev.XOther | 318.213     | 8.189    | 38.860 | 0%      |
| mBin.Yr2016Plus      | -272.156    | 73.678   | -3.694 | 0%      |
| AR(1)                | 0.471       | 0.071    | 6.632  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 6        |
| Adjusted Observations     | 155      |
| Deg. of Freedom for Error | 150      |
| R-Squared                 | 0.854    |
| Adjusted R-Squared        | 0.850    |
| AIC                       | 11.182   |
| BIC                       | 11.280   |
| F-Statistic               | 174.853  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1081.52 |
| Model Sum of Squares      | 60816061 |
| Sum of Squared Errors     | 10434359 |
| Mean Squared Error        | 69562.40 |
| Std. Error of Regression  | 263.75   |
| Mean Abs. Dev. (MAD)      | 172.97   |
| Mean Abs. % Err. (MAPE)   | 4.03%    |
| Durbin-Watson Statistic   | 2.166    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 25.65    |
| Prob (Ljung-Box)          | 0.371    |
| Skewness                  | -0.989   |
| Kurtosis                  | 11.551   |
| Jarque-Bera               | 497.508  |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 11898.445   | 0.038  | 0.109  |
| mStructComRev.XCool  | 2776.359    | 0.140  | 0.093  |
| mStructComRev.XOther | 318.213     | 11.003 | 0.837  |
| mBin.Yr2016Plus      | -272.156    | 0.615  | -0.040 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr | T-Stat | P-Value |
|-------------------|-------------|--------|--------|---------|
| mBin.Jan          | 490.825     | 11.211 | 43.779 | 0%      |
| mBin.Feb          | 462.565     | 11.211 | 41.259 | 0%      |
| mBin.Mar          | 496.615     | 11.211 | 44.296 | 0%      |
| mBin.Apr          | 484.225     | 11.211 | 43.191 | 0%      |
| mBin.May          | 553.525     | 11.211 | 49.372 | 0%      |
| mBin.Jun          | 545.831     | 11.824 | 46.164 | 0%      |
| mBin.Jul          | 592.988     | 11.211 | 52.892 | 0%      |
| mBin.Aug          | 594.188     | 11.211 | 52.999 | 0%      |
| mBin.Sep          | 544.538     | 11.211 | 48.570 | 0%      |
| mBin.Oct          | 510.368     | 11.211 | 45.523 | 0%      |
| mBin.Nov          | 482.674     | 11.211 | 43.052 | 0%      |
| mBin.Dec          | 488.763     | 11.211 | 43.595 | 0%      |
| mBin.Jun17        | -99.330     | 37.218 | -2.669 | 1%      |
| mBin.Year2023Plus | 44.613      | 10.744 | 4.152  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 120     |
| Deg. of Freedom for Error | 106     |
| R-Squared                 | 0.649   |
| Adjusted R-Squared        | 0.606   |
| AIC                       | 7.236   |
| BIC                       | 7.562   |
| F-Statistic               | 13.979  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -590.46 |
| Model Sum of Squares      | 243739  |
| Sum of Squared Errors     | 132012  |
| Mean Squared Error        | 1245.40 |
| Std. Error of Regression  | 35.29   |
| Mean Abs. Dev. (MAD)      | 26.15   |
| Mean Abs. % Err. (MAPE)   | 5.04%   |
| Durbin-Watson Statistic   | 2.348   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 36.72   |
| Prob (Ljung-Box)          | 0.047   |
| Skewness                  | 0.084   |
| Kurtosis                  | 2.782   |
| Jarque-Bera               | 0.379   |
| Prob (Jarque-Bera)        | 0.827   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 490.825     | 0.083 | 0.078 |
| mBin.Feb | 462.565     | 0.083 | 0.074 |
| mBin.Mar | 496.615     | 0.083 | 0.079 |
| mBin.Apr | 484.225     | 0.083 | 0.077 |

| Variable          | Coefficient | Mean  | Elast  |
|-------------------|-------------|-------|--------|
| mBin.May          | 553.525     | 0.083 | 0.088  |
| mBin.Jun          | 545.831     | 0.083 | 0.087  |
| mBin.Jul          | 592.988     | 0.083 | 0.094  |
| mBin.Aug          | 594.188     | 0.083 | 0.094  |
| mBin.Sep          | 544.538     | 0.083 | 0.087  |
| mBin.Oct          | 510.368     | 0.083 | 0.081  |
| mBin.Nov          | 482.674     | 0.083 | 0.077  |
| mBin.Dec          | 488.763     | 0.083 | 0.078  |
| mBin.Jun17        | -99.330     | 0.008 | -0.002 |
| mBin.Year2023Plus | 44.613      | 0.100 | 0.009  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr  | T-Stat | P-Value |
|---------------|-------------|---------|--------|---------|
| CONST         | 7010.604    | 311.889 | 22.478 | 0%      |
| mBin.June2016 | 246.587     | 26.903  | 9.166  | 0%      |
| Econ.Pop      | 134.477     | 8.619   | 15.602 | 0%      |
| mBin.Year2021 | 53.114      | 23.658  | 2.245  | 3%      |
| AR(1)         | 0.754       | 0.052   | 14.442 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 13       |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 162      |
| R-Squared                 | 0.963    |
| Adjusted R-Squared        | 0.962    |
| AIC                       | 7.069    |
| BIC                       | 7.162    |
| F-Statistic               | 1057.960 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -822.22  |
| Model Sum of Squares      | 4827840  |
| Sum of Squared Errors     | 184816   |
| Mean Squared Error        | 1140.84  |
| Std. Error of Regression  | 33.78    |
| Mean Abs. Dev. (MAD)      | 24.01    |
| Mean Abs. % Err. (MAPE)   | 0.20%    |
| Durbin-Watson Statistic   | 2.309    |
| Durbin-H Statistic        | 0.371    |
| Ljung-Box Statistic       | 29.65    |
| Prob (Ljung-Box)          | 0.197    |
| Skewness                  | 0.220    |
| Kurtosis                  | 4.589    |
| Jarque-Bera               | 18.926   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable      | Coefficient | Mean   | Elast |
|---------------|-------------|--------|-------|
| mBin.June2016 | 246.587     | 0.006  | 0.000 |
| Econ.Pop      | 134.477     | 36.208 | 0.410 |
| mBin.Year2021 | 53.114      | 0.071  | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat  | P-Value |
|-----------------|-------------|--------|---------|---------|
| ResCusts.Filled | 0.090       | 0.000  | 326.312 | 0%      |
| AR(1)           | 0.849       | 0.045  | 18.955  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 6       |
| Adjusted Observations     | 143     |
| Deg. of Freedom for Error | 141     |
| R-Squared                 | 0.926   |
| Adjusted R-Squared        | 0.925   |
| AIC                       | 3.565   |
| BIC                       | 3.606   |
| F-Statistic               | 882.153 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -455.78 |
| Model Sum of Squares      | 61471   |
| Sum of Squared Errors     | 4913    |
| Mean Squared Error        | 34.84   |
| Std. Error of Regression  | 5.90    |
| Mean Abs. Dev. (MAD)      | 4.62    |
| Mean Abs. % Err. (MAPE)   | 0.43%   |
| Durbin-Watson Statistic   | 2.412   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 37.57   |
| Prob (Ljung-Box)          | 0.038   |
| Skewness                  | 0.287   |
| Kurtosis                  | 3.253   |
| Jarque-Bera               | 2.351   |
| Prob (Jarque-Bera)        | 0.309   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.090       | 11849.514 | 0.999 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BigSa  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:01 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.614       | 0.035  | 17.576 | 0%      |
| mPeakVars.CoolingVar | 0.861       | 0.094  | 9.210  | 0%      |
| mPeakVars.BaseVar    | 0.265       | 0.006  | 43.223 | 0%      |
| mBin.Yr2016Plus      | -1.359      | 0.589  | -2.306 | 2%      |
| mBin.Yr2019          | -0.284      | 1.034  | -0.275 | 78%     |
| mBin.Mar             | 6.583       | 1.064  | 6.185  | 0%      |
| mBin.May             | -3.902      | 1.058  | -3.687 | 0%      |
| mBin.Oct             | -6.028      | 1.066  | -5.653 | 0%      |
| mBin.Jan14           | 11.354      | 3.448  | 3.293  | 0%      |
| mBin.Dec14           | -9.119      | 3.361  | -2.714 | 1%      |
| mBin.Feb15           | 17.598      | 3.449  | 5.102  | 0%      |
| mBin.Mar16           | -12.181     | 3.456  | -3.525 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 133     |
| R-Squared                 | 0.911   |
| Adjusted R-Squared        | 0.904   |
| AIC                       | 2.465   |
| BIC                       | 2.711   |
| F-Statistic               | 113.794 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -372.45 |
| Model Sum of Squares      | 14840   |
| Sum of Squared Errors     | 1445    |
| Mean Squared Error        | 10.87   |
| Std. Error of Regression  | 3.30    |
| Mean Abs. Dev. (MAD)      | 2.28    |
| Mean Abs. % Err. (MAPE)   | 4.70%   |
| Durbin-Watson Statistic   | 1.489   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 25.59   |
| Prob (Ljung-Box)          | 0.374   |
| Skewness                  | 0.315   |
| Kurtosis                  | 4.208   |
| Jarque-Bera               | 11.227  |
| Prob (Jarque-Bera)        | 0.004   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 0.614       | 12.150  | 0.157  |
| mPeakVars.CoolingVar | 0.861       | 3.398   | 0.062  |
| mPeakVars.BaseVar    | 0.265       | 144.568 | 0.806  |
| mBin.Yr2016Plus      | -1.359      | 0.669   | -0.019 |
| mBin.Yr2019          | -0.284      | 0.083   | -0.000 |
| mBin.Mar             | 6.583       | 0.083   | 0.011  |

| Variable   | Coefficient | Mean  | Elast  |
|------------|-------------|-------|--------|
| mBin.May   | -3.902      | 0.083 | -0.007 |
| mBin.Oct   | -6.028      | 0.083 | -0.010 |
| mBin.Jan14 | 11.354      | 0.007 | 0.002  |
| mBin.Dec14 | -9.119      | 0.007 | -0.001 |
| mBin.Feb15 | 17.598      | 0.007 | 0.003  |
| mBin.Mar16 | -12.181     | 0.007 | -0.002 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.017       | 0.032  | 32.016 | 0%      |
| mStructResRev.XCool  | 1.010       | 0.045  | 22.485 | 0%      |
| mStructResRev.XOther | 0.997       | 0.037  | 27.225 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 165      |
| R-Squared                 | 0.875    |
| Adjusted R-Squared        | 0.873    |
| AIC                       | 9.449    |
| BIC                       | 9.505    |
| F-Statistic               | 383.425  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1029.11 |
| Model Sum of Squares      | 14348814 |
| Sum of Squared Errors     | 2058251  |
| Mean Squared Error        | 12474.25 |
| Std. Error of Regression  | 111.69   |
| Mean Abs. Dev. (MAD)      | 74.98    |
| Mean Abs. % Err. (MAPE)   | 5.97%    |
| Durbin-Watson Statistic   | 1.470    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 70.74    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.986    |
| Kurtosis                  | 7.342    |
| Jarque-Bera               | 159.214  |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast |
|----------------------|-------------|---------|-------|
| mStructResRev.XHeat  | 1.017       | 387.933 | 0.319 |
| mStructResRev.XCool  | 1.010       | 224.227 | 0.183 |
| mStructResRev.XOther | 0.997       | 615.251 | 0.496 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 28300.744   | 2059.249 | 13.743 | 0%      |
| mStructComRev.XCool  | 9378.330    | 513.070  | 18.279 | 0%      |
| mStructComRev.XOther | 963.532     | 13.951   | 69.065 | 0%      |
| mBin.MartoJun2020    | -1529.678   | 335.307  | -4.562 | 0%      |
| mBin.Dec10           | -2524.021   | 674.007  | -3.745 | 0%      |
| mBin.Bef13           | -618.579    | 124.448  | -4.971 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 162       |
| R-Squared                 | 0.758     |
| Adjusted R-Squared        | 0.751     |
| AIC                       | 13.007    |
| BIC                       | 13.119    |
| F-Statistic               | 84.731    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1324.97  |
| Model Sum of Squares      | 218683580 |
| Sum of Squared Errors     | 69684647  |
| Mean Squared Error        | 430152.14 |
| Std. Error of Regression  | 655.86    |
| Mean Abs. Dev. (MAD)      | 500.22    |
| Mean Abs. % Err. (MAPE)   | 3.71%     |
| Durbin-Watson Statistic   | 1.509     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 78.82     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.537     |
| Kurtosis                  | 3.692     |
| Jarque-Bera               | 11.424    |
| Prob (Jarque-Bera)        | 0.003     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 28300.744   | 0.039  | 0.082  |
| mStructComRev.XCool  | 9378.330    | 0.156  | 0.108  |
| mStructComRev.XOther | 963.532     | 11.609 | 0.824  |
| mBin.MartoJun2020    | -1529.678   | 0.024  | -0.003 |
| mBin.Dec10           | -2524.021   | 0.006  | -0.001 |
| mBin.Bef13           | -618.579    | 0.214  | -0.010 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr   | T-Stat | P-Value |
|------------------|-------------|----------|--------|---------|
| mBin.Jan         | 27382.016   | 670.432  | 40.842 | 0%      |
| mBin.Feb         | 25457.448   | 666.799  | 38.179 | 0%      |
| mBin.Mar         | 26686.581   | 666.065  | 40.066 | 0%      |
| mBin.Apr         | 26188.348   | 666.480  | 39.293 | 0%      |
| mBin.May         | 27243.259   | 667.326  | 40.824 | 0%      |
| mBin.Jun         | 27639.554   | 668.293  | 41.358 | 0%      |
| mBin.Jul         | 28201.202   | 669.239  | 42.139 | 0%      |
| mBin.Aug         | 29154.486   | 670.101  | 43.508 | 0%      |
| mBin.Sep         | 27634.708   | 670.851  | 41.193 | 0%      |
| mBin.Oct         | 27094.254   | 671.484  | 40.350 | 0%      |
| mBin.Nov         | 26081.111   | 672.007  | 38.811 | 0%      |
| mBin.Dec         | 25778.011   | 683.986  | 37.688 | 0%      |
| mBin.Bef13       | -4307.625   | 1019.648 | -4.225 | 0%      |
| mBin.Dec2023Plus | 2463.565    | 1707.580 | 1.443  | 15%     |
| AR(1)            | 0.721       | 0.059    | 12.262 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 10         |
| Adjusted Observations     | 167        |
| Deg. of Freedom for Error | 152        |
| R-Squared                 | 0.781      |
| Adjusted R-Squared        | 0.761      |
| AIC                       | 14.873     |
| BIC                       | 15.153     |
| F-Statistic               | 36.228     |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1463.88   |
| Model Sum of Squares      | 1436669785 |
| Sum of Squared Errors     | 401851987  |
| Mean Squared Error        | 2643763.07 |
| Std. Error of Regression  | 1625.97    |
| Mean Abs. Dev. (MAD)      | 1201.93    |
| Mean Abs. % Err. (MAPE)   | 4.77%      |
| Durbin-Watson Statistic   | 2.449      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 67.54      |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | 0.094      |
| Kurtosis                  | 3.389      |
| Jarque-Bera               | 1.299      |
| Prob (Jarque-Bera)        | 0.522      |

#### Forecast Statistics

|                                |          |
|--------------------------------|----------|
| Forecast Observations          | 4        |
| Mean Abs. Dev. (MAD)           | 1398.92  |
| Mean Abs. % Err. (MAPE)        | 5.21%    |
| Avg. Forecast Error            | -1151.69 |
| Mean % Error                   | -4.42%   |
| Root Mean-Square Error         | 1857.80  |
| Theil's Inequality Coefficient | 0.031    |
| -- Bias Proportion             | 38.43%   |
| -- Variance Proportion         | 42.89%   |
| -- Covariance Proportion       | 18.68%   |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 27382.016   | 0.083 | 0.088 |
| mBin.Feb | 25457.448   | 0.083 | 0.082 |
| mBin.Mar | 26686.581   | 0.083 | 0.086 |

| Variable         | Coefficient | Mean  | Elast  |
|------------------|-------------|-------|--------|
| mBin.Apr         | 26188.348   | 0.083 | 0.084  |
| mBin.May         | 27243.259   | 0.083 | 0.087  |
| mBin.Jun         | 27639.554   | 0.083 | 0.089  |
| mBin.Jul         | 28201.202   | 0.083 | 0.090  |
| mBin.Aug         | 29154.486   | 0.083 | 0.093  |
| mBin.Sep         | 27634.708   | 0.083 | 0.089  |
| mBin.Oct         | 27094.254   | 0.083 | 0.087  |
| mBin.Nov         | 26081.111   | 0.083 | 0.084  |
| mBin.Dec         | 25778.011   | 0.083 | 0.083  |
| mBin.Bef13       | -4307.625   | 0.214 | -0.035 |
| mBin.Dec2023Plus | 2463.565    | 0.006 | 0.001  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable           | Coefficient | StdErr | T-Stat  | P-Value |
|--------------------|-------------|--------|---------|---------|
| CONST              | 97.849      | 0.277  | 353.669 | 0%      |
| mBin.AftSep17      | -28.189     | 0.715  | -39.399 | 0%      |
| mBin.Apr11         | -21.497     | 2.654  | -8.101  | 0%      |
| mBin.Year2019pPlus | 5.214       | 0.743  | 7.022   | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.955    |
| Adjusted R-Squared        | 0.955    |
| AIC                       | 1.965    |
| BIC                       | 2.039    |
| F-Statistic               | 1170.104 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -399.40  |
| Model Sum of Squares      | 24451    |
| Sum of Squared Errors     | 1142     |
| Mean Squared Error        | 6.97     |
| Std. Error of Regression  | 2.64     |
| Mean Abs. Dev. (MAD)      | 1.73     |
| Mean Abs. % Err. (MAPE)   | 1.88%    |
| Durbin-Watson Statistic   | 0.442    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 563.46   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 1.102    |
| Kurtosis                  | 5.742    |
| Jarque-Bera               | 86.613   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable           | Coefficient | Mean  | Elast  |
|--------------------|-------------|-------|--------|
| mBin.AftSep17      | -28.189     | 0.452 | -0.147 |
| mBin.Apr11         | -21.497     | 0.006 | -0.001 |
| mBin.Year2019pPlus | 5.214       | 0.357 | 0.021  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr   | T-Stat | P-Value |
|----------|-------------|----------|--------|---------|
| CONST    | 1086.840    | 2230.343 | 0.487  | 63%     |
| Econ.HH  | 577.238     | 23.612   | 24.447 | 0%      |
| AR(1)    | 0.892       | 0.035    | 25.763 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 7         |
| Adjusted Observations     | 167       |
| Deg. of Freedom for Error | 164       |
| R-Squared                 | 0.996     |
| Adjusted R-Squared        | 0.996     |
| AIC                       | 9.938     |
| BIC                       | 9.994     |
| F-Statistic               | 22743.422 |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1063.75  |
| Model Sum of Squares      | 924675586 |
| Sum of Squared Errors     | 3333861   |
| Mean Squared Error        | 20328.42  |
| Std. Error of Regression  | 142.58    |
| Mean Abs. Dev. (MAD)      | 112.30    |
| Mean Abs. % Err. (MAPE)   | 0.21%     |
| Durbin-Watson Statistic   | 2.779     |
| Durbin-H Statistic        | -0.310    |
| Ljung-Box Statistic       | 101.05    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.128     |
| Kurtosis                  | 3.056     |
| Jarque-Bera               | 0.480     |
| Prob (Jarque-Bera)        | 0.786     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean   | Elast |
|----------|-------------|--------|-------|
| Econ.HH  | 577.238     | 93.614 | 0.980 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr  | T-Stat | P-Value |
|-----------------|-------------|---------|--------|---------|
| CONST           | -960.833    | 114.794 | -8.370 | 0%      |
| ResCusts.Filled | 0.068       | 0.002   | 32.954 | 0%      |
| AR(1)           | 0.733       | 0.056   | 13.056 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 14       |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.990    |
| Adjusted R-Squared        | 0.990    |
| AIC                       | 5.654    |
| BIC                       | 5.710    |
| F-Statistic               | 8435.577 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -706.04  |
| Model Sum of Squares      | 4728686  |
| Sum of Squared Errors     | 45966    |
| Mean Squared Error        | 280.28   |
| Std. Error of Regression  | 16.74    |
| Mean Abs. Dev. (MAD)      | 12.29    |
| Mean Abs. % Err. (MAPE)   | 0.44%    |
| Durbin-Watson Statistic   | 2.550    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 40.89    |
| Prob (Ljung-Box)          | 0.017    |
| Skewness                  | 0.577    |
| Kurtosis                  | 8.099    |
| Jarque-Bera               | 190.195  |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.068       | 55141.929 | 1.342 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\BlueG  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:02 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 3.614       | 0.142  | 25.463 | 0%      |
| mPeakVars.CoolingVar | 6.447       | 0.398  | 16.180 | 0%      |
| mPeakVars.BaseVar    | 0.196       | 0.005  | 36.813 | 0%      |
| mBin.Yr2010          | 14.242      | 5.192  | 2.743  | 1%      |
| mBin.Mar15Plus       | -12.387     | 3.514  | -3.526 | 0%      |
| mBin.Mar             | 14.672      | 4.705  | 3.119  | 0%      |
| mBin.Oct             | -20.871     | 5.078  | -4.110 | 0%      |
| mBin.Oct21           | 44.480      | 17.155 | 2.593  | 1%      |
| mBin.Yr2019Plus      | 11.115      | 3.211  | 3.462  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 169     |
| Deg. of Freedom for Error | 160     |
| R-Squared                 | 0.892   |
| Adjusted R-Squared        | 0.887   |
| AIC                       | 5.641   |
| BIC                       | 5.808   |
| F-Statistic               | 146.997 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -707.50 |
| Model Sum of Squares      | 354062  |
| Sum of Squared Errors     | 42820   |
| Mean Squared Error        | 267.63  |
| Std. Error of Regression  | 16.36   |
| Mean Abs. Dev. (MAD)      | 12.98   |
| Mean Abs. % Err. (MAPE)   | 5.10%   |
| Durbin-Watson Statistic   | 1.516   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 34.54   |
| Prob (Ljung-Box)          | 0.075   |
| Skewness                  | 0.253   |
| Kurtosis                  | 2.615   |
| Jarque-Bera               | 2.843   |
| Prob (Jarque-Bera)        | 0.241   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 3.614       | 14.256  | 0.205  |
| mPeakVars.CoolingVar | 6.447       | 4.411   | 0.113  |
| mPeakVars.BaseVar    | 0.196       | 889.887 | 0.694  |
| mBin.Yr2010          | 14.242      | 0.071   | 0.004  |
| mBin.Mar15Plus       | -12.387     | 0.633   | -0.031 |
| mBin.Mar             | 14.672      | 0.083   | 0.005  |
| mBin.Oct             | -20.871     | 0.083   | -0.007 |
| mBin.Oct21           | 44.480      | 0.006   | 0.001  |
| mBin.Yr2019Plus      | 11.115      | 0.361   | 0.016  |



Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\B  
Exponential Smoothing Model: SLCusts  
Dependent Variable: Customers.SL  
Date: December 06, 2024  
Time: 11:02 AM  
Estimation Begin Date: 2010:1  
Estimation End Date: 2023:12  
Forecast Period End Date: 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.893       |

**Model Statistics**

|                           |          |
|---------------------------|----------|
| Iterations                | 7        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.947    |
| Adjusted R-Squared        | 0.947    |
| AIC                       | 1.895    |
| BIC                       | 1.914    |
| F-Statistic               | 3007.726 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -396.60  |
| Model Sum of Squares      | 19900    |
| Sum of Squared Errors     | 1105     |
| Mean Squared Error        | 6.62     |
| Std. Error of Regression  | 2.57     |
| Mean Abs. Dev. (MAD)      | 0.74     |
| Mean Abs. % Err. (MAPE)   | 2.55%    |
| Durbin-Watson Statistic   | 1.994    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 3.35     |
| Prob (Ljung-Box)          | 1.000    |
| Skewness                  | -6.005   |
| Kurtosis                  | 58.553   |
| Jarque-Bera               | 22612.8  |
| Prob (Jarque-Bera)        | 0.000    |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.046       | 0.024  | 43.674 | 0%      |
| mStructResRev.XCool  | 1.033       | 0.037  | 28.078 | 0%      |
| mStructResRev.XOther | 0.981       | 0.029  | 34.137 | 0%      |
| mBin.Mar2020         | -210.912    | 72.550 | -2.907 | 0%      |
| mBin.Mar2022         | -189.398    | 72.519 | -2.612 | 1%      |
| mBin.Oct2019         | -160.998    | 72.631 | -2.217 | 3%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 156      |
| Deg. of Freedom for Error | 150      |
| R-Squared                 | 0.933    |
| Adjusted R-Squared        | 0.931    |
| AIC                       | 8.591    |
| BIC                       | 8.708    |
| F-Statistic               | 350.890  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -885.43  |
| Model Sum of Squares      | 10910284 |
| Sum of Squared Errors     | 777330   |
| Mean Squared Error        | 5182.20  |
| Std. Error of Regression  | 71.99    |
| Mean Abs. Dev. (MAD)      | 54.64    |
| Mean Abs. % Err. (MAPE)   | 4.88%    |
| Durbin-Watson Statistic   | 1.568    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 97.63    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.069    |
| Kurtosis                  | 3.377    |
| Jarque-Bera               | 1.047    |
| Prob (Jarque-Bera)        | 0.592    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.046       | 358.954 | 0.339  |
| mStructResRev.XCool  | 1.033       | 192.354 | 0.180  |
| mStructResRev.XOther | 0.981       | 544.805 | 0.483  |
| mBin.Mar2020         | -210.912    | 0.006   | -0.001 |
| mBin.Mar2022         | -189.398    | 0.006   | -0.001 |
| mBin.Oct2019         | -160.998    | 0.006   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 10010.342   | 1039.908 | 9.626  | 0%      |
| mStructComRev.XCool  | 3428.238    | 230.886  | 14.848 | 0%      |
| mStructComRev.XOther | 547.823     | 6.677    | 82.047 | 0%      |
| AR(1)                | -0.057      | 0.084    | -0.680 | 50%     |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 7         |
| Adjusted Observations     | 143       |
| Deg. of Freedom for Error | 139       |
| R-Squared                 | 0.517     |
| Adjusted R-Squared        | 0.507     |
| AIC                       | 12.125    |
| BIC                       | 12.208    |
| F-Statistic               | 37.237    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1065.87  |
| Model Sum of Squares      | 26730448  |
| Sum of Squared Errors     | 24945252  |
| Mean Squared Error        | 179462.24 |
| Std. Error of Regression  | 423.63    |
| Mean Abs. Dev. (MAD)      | 341.99    |
| Mean Abs. % Err. (MAPE)   | 4.81%     |
| Durbin-Watson Statistic   | 1.954     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 209.34    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.088     |
| Kurtosis                  | 2.542     |
| Jarque-Bera               | 1.433     |
| Prob (Jarque-Bera)        | 0.488     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast |
|----------------------|-------------|--------|-------|
| mStructComRev.XHeat  | 10010.342   | 0.037  | 0.052 |
| mStructComRev.XCool  | 3428.238    | 0.159  | 0.076 |
| mStructComRev.XOther | 547.823     | 11.376 | 0.872 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr  | T-Stat | P-Value |
|-------------------|-------------|---------|--------|---------|
| mBin.Jan          | 941.801     | 46.358  | 20.316 | 0%      |
| mBin.Feb          | 988.613     | 46.547  | 21.239 | 0%      |
| mBin.Mar          | 847.238     | 46.547  | 18.202 | 0%      |
| mBin.Apr          | 876.613     | 46.547  | 18.833 | 0%      |
| mBin.May          | 956.304     | 46.547  | 20.545 | 0%      |
| mBin.Jun          | 953.115     | 46.547  | 20.476 | 0%      |
| mBin.Jul          | 972.167     | 46.547  | 20.886 | 0%      |
| mBin.Aug          | 997.817     | 46.547  | 21.437 | 0%      |
| mBin.Sep          | 969.086     | 46.547  | 20.820 | 0%      |
| mBin.Oct          | 855.666     | 46.547  | 18.383 | 0%      |
| mBin.Nov          | 767.143     | 51.218  | 14.978 | 0%      |
| mBin.Dec          | 725.221     | 46.346  | 15.648 | 0%      |
| mBin.Nov15        | -402.183    | 159.865 | -2.516 | 1%      |
| mBin.Nov17        | -567.579    | 164.779 | -3.444 | 0%      |
| mBin.Nov2020      | -625.873    | 160.831 | -3.892 | 0%      |
| mBin.Year2020Plus | -56.850     | 36.406  | -1.562 | 12%     |
| MA(1)             | 0.322       | 0.081   | 3.977  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 8        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 151      |
| R-Squared                 | 0.459    |
| Adjusted R-Squared        | 0.402    |
| AIC                       | 10.266   |
| BIC                       | 10.582   |
| F-Statistic               | 7.532    |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1083.70 |
| Model Sum of Squares      | 3342853  |
| Sum of Squared Errors     | 3942145  |
| Mean Squared Error        | 26106.92 |
| Std. Error of Regression  | 161.58   |
| Mean Abs. Dev. (MAD)      | 114.14   |
| Mean Abs. % Err. (MAPE)   | 22.47%   |
| Durbin-Watson Statistic   | 1.913    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 11.22    |
| Prob (Ljung-Box)          | 0.987    |
| Skewness                  | -0.801   |
| Kurtosis                  | 3.987    |
| Jarque-Bera               | 24.771   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 941.801     | 0.083 | 0.089 |

| Variable          | Coefficient | Mean  | Elast  |
|-------------------|-------------|-------|--------|
| mBin.Feb          | 988.613     | 0.083 | 0.094  |
| mBin.Mar          | 847.238     | 0.083 | 0.080  |
| mBin.Apr          | 876.613     | 0.083 | 0.083  |
| mBin.May          | 956.304     | 0.083 | 0.091  |
| mBin.Jun          | 953.115     | 0.083 | 0.090  |
| mBin.Jul          | 972.167     | 0.083 | 0.092  |
| mBin.Aug          | 997.817     | 0.083 | 0.095  |
| mBin.Sep          | 969.086     | 0.083 | 0.092  |
| mBin.Oct          | 855.666     | 0.083 | 0.081  |
| mBin.Nov          | 767.143     | 0.083 | 0.073  |
| mBin.Dec          | 725.221     | 0.083 | 0.069  |
| mBin.Nov15        | -402.183    | 0.006 | -0.003 |
| mBin.Nov17        | -567.579    | 0.006 | -0.004 |
| mBin.Nov2020      | -625.873    | 0.006 | -0.004 |
| mBin.Year2020Plus | -56.850     | 0.286 | -0.018 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr  | T-Stat | P-Value |
|----------|-------------|---------|--------|---------|
| CONST    | -7578.218   | 975.453 | -7.769 | 0%      |
| Econ.Pop | 303.512     | 9.112   | 33.310 | 0%      |

### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 120      |
| Deg. of Freedom for Error | 118      |
| R-Squared                 | 0.904    |
| Adjusted R-Squared        | 0.903    |
| AIC                       | 10.218   |
| BIC                       | 10.264   |
| F-Statistic               | 1109.585 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -781.33  |
| Model Sum of Squares      | 29885036 |
| Sum of Squared Errors     | 3178155  |
| Mean Squared Error        | 26933.52 |
| Std. Error of Regression  | 164.11   |
| Mean Abs. Dev. (MAD)      | 139.84   |
| Mean Abs. % Err. (MAPE)   | 0.56%    |
| Durbin-Watson Statistic   | 0.022    |
| Durbin-H Statistic        | 0.038    |
| Ljung-Box Statistic       | 1123.15  |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -0.207   |
| Kurtosis                  | 1.853    |
| Jarque-Bera               | 7.437    |
| Prob (Jarque-Bera)        | 0.024    |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean    | Elast |
|----------|-------------|---------|-------|
| Econ.Pop | 303.512     | 107.043 | 1.304 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr   | T-Stat | P-Value |
|---------------|-------------|----------|--------|---------|
| CONST         | -5674.820   | 2365.053 | -2.399 | 2%      |
| mBin.Year2012 | 21.778      | 7.081    | 3.075  | 0%      |
| Econ.Pop      | 70.065      | 21.688   | 3.231  | 0%      |
| AR(1)         | 0.978       | 0.016    | 59.544 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 15       |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 163      |
| R-Squared                 | 0.992    |
| Adjusted R-Squared        | 0.992    |
| AIC                       | 4.609    |
| BIC                       | 4.683    |
| F-Statistic               | 6839.215 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -617.79  |
| Model Sum of Squares      | 2010902  |
| Sum of Squared Errors     | 15975    |
| Mean Squared Error        | 98.01    |
| Std. Error of Regression  | 9.90     |
| Mean Abs. Dev. (MAD)      | 7.36     |
| Mean Abs. % Err. (MAPE)   | 0.41%    |
| Durbin-Watson Statistic   | 1.616    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 51.86    |
| Prob (Ljung-Box)          | 0.001    |
| Skewness                  | 0.381    |
| Kurtosis                  | 3.520    |
| Jarque-Bera               | 5.921    |
| Prob (Jarque-Bera)        | 0.052    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable      | Coefficient | Mean    | Elast |
|---------------|-------------|---------|-------|
| mBin.Year2012 | 21.778      | 0.071   | 0.001 |
| Econ.Pop      | 70.065      | 105.889 | 4.153 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.319       | 0.061  | 21.601 | 0%      |
| mPeakVars.CoolingVar | 1.921       | 0.169  | 11.371 | 0%      |
| mPeakVars.BaseVar    | 0.268       | 0.007  | 39.877 | 0%      |
| mBin.Mar             | 7.631       | 2.255  | 3.384  | 0%      |
| mBin.Oct             | -7.469      | 2.254  | -3.314 | 0%      |
| mBin.Apr11           | 0.000       | 0.000  | 0.000  | 100%    |
| mBin.Feb13           | 21.310      | 6.794  | 3.137  | 0%      |
| mBin.Dec14           | -19.012     | 6.751  | -2.816 | 1%      |
| mBin.Jul15           | 12.541      | 6.730  | 1.863  | 6%      |
| mBin.Mar16           | -19.665     | 7.009  | -2.806 | 1%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 133     |
| Deg. of Freedom for Error | 123     |
| R-Squared                 | 0.892   |
| Adjusted R-Squared        | 0.884   |
| AIC                       | 3.871   |
| BIC                       | 4.088   |
| F-Statistic               | 101.886 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -436.14 |
| Model Sum of Squares      | 45488   |
| Sum of Squared Errors     | 5491    |
| Mean Squared Error        | 44.65   |
| Std. Error of Regression  | 6.68    |
| Mean Abs. Dev. (MAD)      | 4.72    |
| Mean Abs. % Err. (MAPE)   | 5.13%   |
| Durbin-Watson Statistic   | 1.420   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 43.04   |
| Prob (Ljung-Box)          | 0.010   |
| Skewness                  | 0.483   |
| Kurtosis                  | 4.505   |
| Jarque-Bera               | 17.716  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 1.319       | 13.607  | 0.199  |
| mPeakVars.CoolingVar | 1.921       | 4.011   | 0.085  |
| mPeakVars.BaseVar    | 0.268       | 241.253 | 0.716  |
| mBin.Mar             | 7.631       | 0.083   | 0.007  |
| mBin.Oct             | -7.469      | 0.083   | -0.007 |
| mBin.Apr11           | 0.000       | 0.000   | 0.000  |
| mBin.Feb13           | 21.310      | 0.008   | 0.002  |
| mBin.Dec14           | -19.012     | 0.008   | -0.002 |



| Variable   | Coefficient | Mean  | Elast  |
|------------|-------------|-------|--------|
| mBin.Jul15 | 12.541      | 0.008 | 0.001  |
| mBin.Mar16 | -19.665     | 0.008 | -0.002 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Clark.  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr | T-Stat | P-Value |
|----------|-------------|--------|--------|---------|
| mBin.Jan | 60.018      | 3.035  | 19.778 | 0%      |
| mBin.Feb | 59.464      | 3.039  | 19.569 | 0%      |
| mBin.Mar | 57.511      | 3.041  | 18.911 | 0%      |
| mBin.Apr | 56.378      | 3.042  | 18.534 | 0%      |
| mBin.May | 54.878      | 3.041  | 18.044 | 0%      |
| mBin.Jun | 53.280      | 3.039  | 17.529 | 0%      |
| mBin.Jul | 52.830      | 3.036  | 17.398 | 0%      |
| mBin.Aug | 53.341      | 3.033  | 17.589 | 0%      |
| mBin.Sep | 54.725      | 3.028  | 18.072 | 0%      |
| mBin.Oct | 55.325      | 3.023  | 18.301 | 0%      |
| mBin.Nov | 56.311      | 3.018  | 18.660 | 0%      |
| mBin.Dec | 57.927      | 3.012  | 19.230 | 0%      |
| AR(1)    | 0.916       | 0.035  | 26.047 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 6       |
| Adjusted Observations     | 143     |
| Deg. of Freedom for Error | 130     |
| R-Squared                 | 0.857   |
| Adjusted R-Squared        | 0.844   |
| AIC                       | 2.170   |
| BIC                       | 2.440   |
| F-Statistic               | 59.914  |
| Prob (F-Statistic)        | -0.000  |
| Log-Likelihood            | -345.10 |
| Model Sum of Squares      | 6259    |
| Sum of Squared Errors     | 1045    |
| Mean Squared Error        | 8.04    |
| Std. Error of Regression  | 2.83    |
| Mean Abs. Dev. (MAD)      | 1.71    |
| Mean Abs. % Err. (MAPE)   | 3.02%   |
| Durbin-Watson Statistic   | 2.850   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 87.25   |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.697   |
| Kurtosis                  | 10.651  |
| Jarque-Bera               | 360.344 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 60.018      | 0.083 | 0.087 |
| mBin.Feb | 59.464      | 0.083 | 0.086 |
| mBin.Mar | 57.511      | 0.083 | 0.083 |
| mBin.Apr | 56.378      | 0.083 | 0.081 |
| mBin.May | 54.878      | 0.083 | 0.079 |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jun | 53.280      | 0.083 | 0.077 |
| mBin.Jul | 52.830      | 0.083 | 0.076 |
| mBin.Aug | 53.341      | 0.083 | 0.077 |
| mBin.Sep | 54.725      | 0.083 | 0.079 |
| mBin.Oct | 55.325      | 0.083 | 0.080 |
| mBin.Nov | 56.311      | 0.083 | 0.081 |
| mBin.Dec | 57.927      | 0.083 | 0.084 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\O  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 1.095       |

**Model Statistics**

|                           |          |
|---------------------------|----------|
| Iterations                | 5        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 143      |
| R-Squared                 | 0.970    |
| Adjusted R-Squared        | 0.970    |
| AIC                       | 0.927    |
| BIC                       | 0.947    |
| F-Statistic               | 4609.658 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -270.05  |
| Model Sum of Squares      | 11565    |
| Sum of Squared Errors     | 359      |
| Mean Squared Error        | 2.51     |
| Std. Error of Regression  | 1.58     |
| Mean Abs. Dev. (MAD)      | 0.28     |
| Mean Abs. % Err. (MAPE)   | 0.75%    |
| Durbin-Watson Statistic   | 1.997    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 1.72     |
| Prob (Ljung-Box)          | 1.000    |
| Skewness                  | 10.066   |
| Kurtosis                  | 116.125  |
| Jarque-Bera               | 79215.7  |
| Prob (Jarque-Bera)        | 0.000    |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.020       | 0.030  | 34.245 | 0%      |
| mStructResRev.XCool  | 1.020       | 0.049  | 20.923 | 0%      |
| mStructResRev.XOther | 1.021       | 0.030  | 33.811 | 0%      |
| mBin.Oct18           | -206.293    | 80.769 | -2.554 | 1%      |
| mBin.May2021         | -239.299    | 81.119 | -2.950 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 139      |
| R-Squared                 | 0.918    |
| Adjusted R-Squared        | 0.916    |
| AIC                       | 8.810    |
| BIC                       | 8.913    |
| F-Statistic               | 311.667  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -833.64  |
| Model Sum of Squares      | 10091210 |
| Sum of Squared Errors     | 900112   |
| Mean Squared Error        | 6475.63  |
| Std. Error of Regression  | 80.47    |
| Mean Abs. Dev. (MAD)      | 64.46    |
| Mean Abs. % Err. (MAPE)   | 5.71%    |
| Durbin-Watson Statistic   | 2.346    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 49.03    |
| Prob (Ljung-Box)          | 0.002    |
| Skewness                  | -0.047   |
| Kurtosis                  | 2.549    |
| Jarque-Bera               | 1.272    |
| Prob (Jarque-Bera)        | 0.529    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.020       | 333.126 | 0.297  |
| mStructResRev.XCool  | 1.020       | 174.530 | 0.156  |
| mStructResRev.XOther | 1.021       | 616.177 | 0.550  |
| mBin.Oct18           | -206.293    | 0.007   | -0.001 |
| mBin.May2021         | -239.299    | 0.007   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 14424.276   | 1261.719 | 11.432 | 0%      |
| mStructComRev.XCool  | 4148.999    | 343.639  | 12.074 | 0%      |
| mStructComRev.XOther | 447.889     | 11.132   | 40.233 | 0%      |
| mBin.Yr2013Plus      | 523.110     | 93.362   | 5.603  | 0%      |
| mBin.Yr2015          | 629.452     | 102.774  | 6.125  | 0%      |
| mBin.Mar13           | -1014.234   | 336.744  | -3.012 | 0%      |
| mBin.May2020         | -944.730    | 333.675  | -2.831 | 1%      |
| mBin.Year2020Plus    | -387.993    | 62.553   | -6.203 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 144       |
| Deg. of Freedom for Error | 136       |
| R-Squared                 | 0.778     |
| Adjusted R-Squared        | 0.767     |
| AIC                       | 11.647    |
| BIC                       | 11.812    |
| F-Statistic               | 59.688    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1034.91  |
| Model Sum of Squares      | 51730420  |
| Sum of Squared Errors     | 14733513  |
| Mean Squared Error        | 108334.65 |
| Std. Error of Regression  | 329.14    |
| Mean Abs. Dev. (MAD)      | 245.45    |
| Mean Abs. % Err. (MAPE)   | 3.78%     |
| Durbin-Watson Statistic   | 1.751     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 59.45     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.608     |
| Kurtosis                  | 4.261     |
| Jarque-Bera               | 18.402    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 14424.276   | 0.038  | 0.084  |
| mStructComRev.XCool  | 4148.999    | 0.143  | 0.091  |
| mStructComRev.XOther | 447.889     | 11.142 | 0.765  |
| mBin.Yr2013Plus      | 523.110     | 0.917  | 0.074  |
| mBin.Yr2015          | 629.452     | 0.083  | 0.008  |
| mBin.Mar13           | -1014.234   | 0.007  | -0.001 |
| mBin.May2020         | -944.730    | 0.007  | -0.001 |
| mBin.Year2020Plus    | -387.993    | 0.333  | -0.020 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr  | T-Stat | P-Value |
|-------------------|-------------|---------|--------|---------|
| mBin.Jan          | 5045.415    | 738.875 | 6.829  | 0%      |
| mBin.Feb          | 5324.545    | 738.875 | 7.206  | 0%      |
| mBin.Mar          | 5145.553    | 738.875 | 6.964  | 0%      |
| mBin.Apr          | 5561.312    | 738.875 | 7.527  | 0%      |
| mBin.May          | 5608.096    | 738.875 | 7.590  | 0%      |
| mBin.Jun          | 5404.343    | 738.875 | 7.314  | 0%      |
| mBin.Jul          | 5891.081    | 738.875 | 7.973  | 0%      |
| mBin.Aug          | 6399.765    | 738.875 | 8.662  | 0%      |
| mBin.Sep          | 6374.246    | 738.875 | 8.627  | 0%      |
| mBin.Oct          | 6227.240    | 738.875 | 8.428  | 0%      |
| mBin.Nov          | 6345.907    | 738.875 | 8.589  | 0%      |
| mBin.Dec          | 6041.074    | 738.875 | 8.176  | 0%      |
| mBin.Year2023Plus | 7215.613    | 825.561 | 8.740  | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 1          |
| Adjusted Observations     | 168        |
| Deg. of Freedom for Error | 155        |
| R-Squared                 | 0.344      |
| Adjusted R-Squared        | 0.294      |
| AIC                       | 15.917     |
| BIC                       | 16.159     |
| F-Statistic               | 6.260      |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1562.42   |
| Model Sum of Squares      | 618038670  |
| Sum of Squared Errors     | 1177134766 |
| Mean Squared Error        | 7594417.85 |
| Std. Error of Regression  | 2755.80    |
| Mean Abs. Dev. (MAD)      | 2124.41    |
| Mean Abs. % Err. (MAPE)   | 37.42%     |
| Durbin-Watson Statistic   | 0.202      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 629.12     |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | 1.126      |
| Kurtosis                  | 4.359      |
| Jarque-Bera               | 48.394     |
| Prob (Jarque-Bera)        | 0.000      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 5045.415    | 0.083 | 0.067 |
| mBin.Feb | 5324.545    | 0.083 | 0.070 |
| mBin.Mar | 5145.553    | 0.083 | 0.068 |
| mBin.Apr | 5561.312    | 0.083 | 0.074 |
| mBin.May | 5608.096    | 0.083 | 0.074 |

| Variable          | Coefficient | Mean  | Elast |
|-------------------|-------------|-------|-------|
| mBin.Jun          | 5404.343    | 0.083 | 0.072 |
| mBin.Jul          | 5891.081    | 0.083 | 0.078 |
| mBin.Aug          | 6399.765    | 0.083 | 0.085 |
| mBin.Sep          | 6374.246    | 0.083 | 0.084 |
| mBin.Oct          | 6227.240    | 0.083 | 0.082 |
| mBin.Nov          | 6345.907    | 0.083 | 0.084 |
| mBin.Dec          | 6041.074    | 0.083 | 0.080 |
| mBin.Year2023Plus | 7215.613    | 0.071 | 0.082 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr    | T-Stat | P-Value |
|---------------|-------------|-----------|--------|---------|
| CONST         | 38566.025   | 16040.387 | 2.404  | 2%      |
| mBin.TrendVar | -15.944     | 66.325    | -0.240 | 81%     |
| Econ.Pop      | -219.253    | 201.552   | -1.088 | 28%     |
| AR(1)         | 0.930       | 0.032     | 28.926 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 38       |
| Adjusted Observations     | 143      |
| Deg. of Freedom for Error | 139      |
| R-Squared                 | 0.967    |
| Adjusted R-Squared        | 0.967    |
| AIC                       | 6.749    |
| BIC                       | 6.832    |
| F-Statistic               | 1375.622 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -681.44  |
| Model Sum of Squares      | 3424497  |
| Sum of Squared Errors     | 115343   |
| Mean Squared Error        | 829.81   |
| Std. Error of Regression  | 28.81    |
| Mean Abs. Dev. (MAD)      | 21.72    |
| Mean Abs. % Err. (MAPE)   | 0.10%    |
| Durbin-Watson Statistic   | 1.635    |
| Durbin-H Statistic        | 0.302    |
| Ljung-Box Statistic       | 61.55    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -0.570   |
| Kurtosis                  | 4.079    |
| Jarque-Bera               | 14.674   |
| Prob (Jarque-Bera)        | 0.001    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable      | Coefficient | Mean   | Elast  |
|---------------|-------------|--------|--------|
| mBin.TrendVar | -15.944     | 18.042 | -0.013 |
| Econ.Pop      | -219.253    | 73.699 | -0.730 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable       | Coefficient | StdErr | T-Stat  | P-Value |
|----------------|-------------|--------|---------|---------|
| Econ.EmpNonMan | 85.268      | 1.312  | 64.998  | 0%      |
| AR(1)          | 0.978       | 0.007  | 146.387 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 7        |
| Adjusted Observations     | 143      |
| Deg. of Freedom for Error | 141      |
| R-Squared                 | 0.981    |
| Adjusted R-Squared        | 0.981    |
| AIC                       | 3.537    |
| BIC                       | 3.578    |
| F-Statistic               | 3636.151 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -453.80  |
| Model Sum of Squares      | 246429   |
| Sum of Squared Errors     | 4778     |
| Mean Squared Error        | 33.89    |
| Std. Error of Regression  | 5.82     |
| Mean Abs. Dev. (MAD)      | 4.19     |
| Mean Abs. % Err. (MAPE)   | 0.26%    |
| Durbin-Watson Statistic   | 1.826    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 18.87    |
| Prob (Ljung-Box)          | 0.759    |
| Skewness                  | 0.326    |
| Kurtosis                  | 4.609    |
| Jarque-Bera               | 17.962   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable       | Coefficient | Mean   | Elast |
|----------------|-------------|--------|-------|
| Econ.EmpNonMan | 85.268      | 19.259 | 1.026 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Cumb  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:03 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.464       | 0.069  | 21.229 | 0%      |
| mPeakVars.CoolingVar | 2.511       | 0.224  | 11.202 | 0%      |
| mPeakVars.BaseVar    | 0.210       | 0.005  | 41.142 | 0%      |
| mBin.Yr2015          | 8.407       | 2.711  | 3.101  | 0%      |
| mBin.May12           | -17.165     | 9.137  | -1.879 | 6%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 140     |
| R-Squared                 | 0.772   |
| Adjusted R-Squared        | 0.765   |
| AIC                       | 4.435   |
| BIC                       | 4.537   |
| F-Statistic               | 94.638  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -522.27 |
| Model Sum of Squares      | 38578   |
| Sum of Squared Errors     | 11414   |
| Mean Squared Error        | 81.53   |
| Std. Error of Regression  | 9.03    |
| Mean Abs. Dev. (MAD)      | 6.99    |
| Mean Abs. % Err. (MAPE)   | 7.70%   |
| Durbin-Watson Statistic   | 1.454   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 36.34   |
| Prob (Ljung-Box)          | 0.051   |
| Skewness                  | -0.040  |
| Kurtosis                  | 2.808   |
| Jarque-Bera               | 0.261   |
| Prob (Jarque-Bera)        | 0.878   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 1.464       | 12.682  | 0.204  |
| mPeakVars.CoolingVar | 2.511       | 3.055   | 0.084  |
| mPeakVars.BaseVar    | 0.210       | 303.648 | 0.698  |
| mBin.Yr2015          | 8.407       | 0.083   | 0.008  |
| mBin.May12           | -17.165     | 0.007   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.044       | 0.021  | 50.015 | 0%      |
| mStructResRev.XCool  | 1.045       | 0.026  | 40.236 | 0%      |
| mStructResRev.XOther | 1.044       | 0.026  | 40.686 | 0%      |
| mBin.Yr2015Plus      | -31.202     | 12.240 | -2.549 | 1%      |
| mBin.Yr2018Plus      | -45.681     | 10.533 | -4.337 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 139     |
| R-Squared                 | 0.954   |
| Adjusted R-Squared        | 0.953   |
| AIC                       | 7.920   |
| BIC                       | 8.023   |
| F-Statistic               | 575.199 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -769.56 |
| Model Sum of Squares      | 7647663 |
| Sum of Squared Errors     | 369620  |
| Mean Squared Error        | 2659.14 |
| Std. Error of Regression  | 51.57   |
| Mean Abs. Dev. (MAD)      | 40.01   |
| Mean Abs. % Err. (MAPE)   | 3.65%   |
| Durbin-Watson Statistic   | 2.456   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 41.90   |
| Prob (Ljung-Box)          | 0.013   |
| Skewness                  | 0.033   |
| Kurtosis                  | 2.892   |
| Jarque-Bera               | 0.096   |
| Prob (Jarque-Bera)        | 0.953   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.044       | 307.979 | 0.293  |
| mStructResRev.XCool  | 1.045       | 220.793 | 0.210  |
| mStructResRev.XOther | 1.044       | 567.134 | 0.539  |
| mBin.Yr2015Plus      | -31.202     | 0.750   | -0.021 |
| mBin.Yr2018Plus      | -45.681     | 0.500   | -0.021 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farm  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2011:12  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat  | P-Value |
|----------------------|-------------|---------|---------|---------|
| mStructComRev.XHeat  | 10537.573   | 806.167 | 13.071  | 0%      |
| mStructComRev.XCool  | 5856.134    | 262.601 | 22.301  | 0%      |
| mStructComRev.XOther | 438.518     | 19.163  | 22.884  | 0%      |
| mBin.Yr2012          | -3827.632   | 186.178 | -20.559 | 0%      |
| mBin.Mar14Plus       | 569.178     | 207.440 | 2.744   | 1%      |
| mBin.Aug12           | -689.173    | 202.942 | -3.396  | 0%      |
| mBin.Jan2019         | -899.587    | 199.718 | -4.504  | 0%      |
| AR(1)                | 0.812       | 0.051   | 15.907  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 10        |
| Adjusted Observations     | 144       |
| Deg. of Freedom for Error | 136       |
| R-Squared                 | 0.971     |
| Adjusted R-Squared        | 0.970     |
| AIC                       | 11.154    |
| BIC                       | 11.319    |
| F-Statistic               | 573.096   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -999.44   |
| Model Sum of Squares      | 303486497 |
| Sum of Squared Errors     | 9002450   |
| Mean Squared Error        | 66194.49  |
| Std. Error of Regression  | 257.28    |
| Mean Abs. Dev. (MAD)      | 205.19    |
| Mean Abs. % Err. (MAPE)   | 3.51%     |
| Durbin-Watson Statistic   | 2.515     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 75.51     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.271     |
| Kurtosis                  | 2.771     |
| Jarque-Bera               | 2.076     |
| Prob (Jarque-Bera)        | 0.354     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 10537.573   | 0.039  | 0.063  |
| mStructComRev.XCool  | 5856.134    | 0.148  | 0.135  |
| mStructComRev.XOther | 438.518     | 11.510 | 0.786  |
| mBin.Yr2012          | -3827.632   | 0.083  | -0.049 |
| mBin.Mar14Plus       | 569.178     | 0.814  | 0.072  |
| mBin.Aug12           | -689.173    | 0.007  | -0.001 |
| mBin.Jan2019         | -899.587    | 0.007  | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr  | T-Stat | P-Value |
|-------------------|-------------|---------|--------|---------|
| mBin.Jan          | 8001.008    | 215.440 | 37.138 | 0%      |
| mBin.Feb          | 8928.385    | 211.365 | 42.242 | 0%      |
| mBin.Mar          | 8472.944    | 209.131 | 40.515 | 0%      |
| mBin.Apr          | 8892.689    | 207.911 | 42.772 | 0%      |
| mBin.May          | 8773.978    | 209.037 | 41.973 | 0%      |
| mBin.Jun          | 9410.262    | 206.905 | 45.481 | 0%      |
| mBin.Jul          | 9751.231    | 206.733 | 47.168 | 0%      |
| mBin.Aug          | 9727.739    | 206.657 | 47.072 | 0%      |
| mBin.Sep          | 10189.551   | 206.634 | 49.312 | 0%      |
| mBin.Oct          | 9422.634    | 206.639 | 45.600 | 0%      |
| mBin.Nov          | 9189.378    | 206.657 | 44.467 | 0%      |
| mBin.Dec          | 8407.299    | 206.679 | 40.678 | 0%      |
| mBin.Yr2012       | 3389.755    | 387.256 | 8.753  | 0%      |
| mBin.May2020      | -2185.909   | 357.105 | -6.121 | 0%      |
| mBin.Year2020Plus | -864.482    | 256.631 | -3.369 | 0%      |
| AR(1)             | 0.734       | 0.062   | 11.794 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 16        |
| Adjusted Observations     | 143       |
| Deg. of Freedom for Error | 127       |
| R-Squared                 | 0.924     |
| Adjusted R-Squared        | 0.915     |
| AIC                       | 12.212    |
| BIC                       | 12.543    |
| F-Statistic               | 96.004    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1060.04  |
| Model Sum of Squares      | 278097852 |
| Sum of Squared Errors     | 22992720  |
| Mean Squared Error        | 181045.04 |
| Std. Error of Regression  | 425.49    |
| Mean Abs. Dev. (MAD)      | 309.86    |
| Mean Abs. % Err. (MAPE)   | 3.61%     |
| Durbin-Watson Statistic   | 2.220     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 33.15     |
| Prob (Ljung-Box)          | 0.101     |
| Skewness                  | -0.343    |
| Kurtosis                  | 3.532     |
| Jarque-Bera               | 4.494     |
| Prob (Jarque-Bera)        | 0.106     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 8001.008    | 0.083 | 0.074 |
| mBin.Feb | 8928.385    | 0.083 | 0.082 |

| Variable          | Coefficient | Mean  | Elast  |
|-------------------|-------------|-------|--------|
| mBin.Mar          | 8472.944    | 0.083 | 0.078  |
| mBin.Apr          | 8892.689    | 0.083 | 0.082  |
| mBin.May          | 8773.978    | 0.083 | 0.081  |
| mBin.Jun          | 9410.262    | 0.083 | 0.087  |
| mBin.Jul          | 9751.231    | 0.083 | 0.090  |
| mBin.Aug          | 9727.739    | 0.083 | 0.089  |
| mBin.Sep          | 10189.551   | 0.083 | 0.094  |
| mBin.Oct          | 9422.634    | 0.083 | 0.087  |
| mBin.Nov          | 9189.378    | 0.083 | 0.085  |
| mBin.Dec          | 8407.299    | 0.083 | 0.077  |
| mBin.Yr2012       | 3389.755    | 0.083 | 0.031  |
| mBin.May2020      | -2185.909   | 0.007 | -0.002 |
| mBin.Year2020Plus | -864.482    | 0.333 | -0.032 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable     | Coefficient | StdErr | T-Stat  | P-Value |
|--------------|-------------|--------|---------|---------|
| Econ.HH      | 931.150     | 6.201  | 150.169 | 0%      |
| mBin.Jan2015 | 109.399     | 40.480 | 2.703   | 1%      |
| mBin.Sep2018 | -133.557    | 40.479 | -3.299  | 0%      |
| AR(1)        | 0.970       | 0.019  | 52.073  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 10       |
| Adjusted Observations     | 143      |
| Deg. of Freedom for Error | 139      |
| R-Squared                 | 0.993    |
| Adjusted R-Squared        | 0.993    |
| AIC                       | 8.099    |
| BIC                       | 8.182    |
| F-Statistic               | 4871.135 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -777.98  |
| Model Sum of Squares      | 62375645 |
| Sum of Squared Errors     | 444979   |
| Mean Squared Error        | 3201.29  |
| Std. Error of Regression  | 56.58    |
| Mean Abs. Dev. (MAD)      | 47.16    |
| Mean Abs. % Err. (MAPE)   | 0.20%    |
| Durbin-Watson Statistic   | 2.491    |
| Durbin-H Statistic        | 0.476    |
| Ljung-Box Statistic       | 92.97    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.017    |
| Kurtosis                  | 2.184    |
| Jarque-Bera               | 3.971    |
| Prob (Jarque-Bera)        | 0.137    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable     | Coefficient | Mean   | Elast  |
|--------------|-------------|--------|--------|
| Econ.HH      | 931.150     | 25.312 | 1.002  |
| mBin.Jan2015 | 109.399     | 0.007  | 0.000  |
| mBin.Sep2018 | -133.557    | 0.007  | -0.000 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable              | Coefficient | StdErr  | T-Stat | P-Value |
|-----------------------|-------------|---------|--------|---------|
| CONST                 | 1484.762    | 323.934 | 4.584  | 0%      |
| Econ.EmpNonMan        | 23.743      | 20.406  | 1.163  | 25%     |
| mBin.Aft2019          | -8.799      | 12.167  | -0.723 | 47%     |
| mBin.Aug2018toMar2019 | 119.866     | 12.566  | 9.539  | 0%      |
| AR(1)                 | 0.796       | 0.043   | 18.655 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 10      |
| Adjusted Observations     | 143     |
| Deg. of Freedom for Error | 138     |
| R-Squared                 | 0.868   |
| Adjusted R-Squared        | 0.864   |
| AIC                       | 5.736   |
| BIC                       | 5.839   |
| F-Statistic               | 226.789 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -608.00 |
| Model Sum of Squares      | 271465  |
| Sum of Squared Errors     | 41296   |
| Mean Squared Error        | 299.25  |
| Std. Error of Regression  | 17.30   |
| Mean Abs. Dev. (MAD)      | 11.42   |
| Mean Abs. % Err. (MAPE)   | 0.61%   |
| Durbin-Watson Statistic   | 2.201   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 13.60   |
| Prob (Ljung-Box)          | 0.955   |
| Skewness                  | 1.604   |
| Kurtosis                  | 11.154  |
| Jarque-Bera               | 457.539 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable              | Coefficient | Mean   | Elast  |
|-----------------------|-------------|--------|--------|
| Econ.EmpNonMan        | 23.743      | 15.802 | 0.202  |
| mBin.Aft2019          | -8.799      | 0.333  | -0.002 |
| mBin.Aug2018toMar2019 | 119.866     | 0.056  | 0.004  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.318       | 0.057  | 23.307 | 0%      |
| mPeakVars.CoolingVar | 2.253       | 0.127  | 17.795 | 0%      |
| mPeakVars.BaseVar    | 0.190       | 0.004  | 45.948 | 0%      |
| mBin.Yr2012          | -10.741     | 2.029  | -5.294 | 0%      |
| mBin.Apr17           | -15.208     | 6.592  | -2.307 | 2%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 140     |
| R-Squared                 | 0.828   |
| Adjusted R-Squared        | 0.823   |
| AIC                       | 3.793   |
| BIC                       | 3.895   |
| F-Statistic               | 134.954 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -475.71 |
| Model Sum of Squares      | 28944   |
| Sum of Squared Errors     | 6005    |
| Mean Squared Error        | 42.89   |
| Std. Error of Regression  | 6.55    |
| Mean Abs. Dev. (MAD)      | 4.90    |
| Mean Abs. % Err. (MAPE)   | 5.11%   |
| Durbin-Watson Statistic   | 1.864   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 46.12   |
| Prob (Ljung-Box)          | 0.004   |
| Skewness                  | 0.246   |
| Kurtosis                  | 3.548   |
| Jarque-Bera               | 3.278   |
| Prob (Jarque-Bera)        | 0.194   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 1.318       | 12.944  | 0.180  |
| mPeakVars.CoolingVar | 2.253       | 5.288   | 0.125  |
| mPeakVars.BaseVar    | 0.190       | 352.215 | 0.704  |
| mBin.Yr2012          | -10.741     | 0.083   | -0.009 |
| mBin.Apr17           | -15.208     | 0.007   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\F  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.517       |

**Model Statistics**

|                           |          |
|---------------------------|----------|
| Iterations                | 13       |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.913    |
| Adjusted R-Squared        | 0.913    |
| AIC                       | -3.813   |
| BIC                       | -3.795   |
| F-Statistic               | 1745.829 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | 82.94    |
| Model Sum of Squares      | 38       |
| Sum of Squared Errors     | 4        |
| Mean Squared Error        | 0.02     |
| Std. Error of Regression  | 0.15     |
| Mean Abs. Dev. (MAD)      | 0.03     |
| Mean Abs. % Err. (MAPE)   | 0.47%    |
| Durbin-Watson Statistic   | 2.273    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 27.03    |
| Prob (Ljung-Box)          | 0.303    |
| Skewness                  | -0.017   |
| Kurtosis                  | 33.146   |
| Jarque-Bera               | 6361.6   |
| Prob (Jarque-Bera)        | 0.000    |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Farme  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:04 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat  | P-Value |
|-----------------|-------------|--------|---------|---------|
| mBin.Yr2018Plus | -0.781      | 1.212  | -0.644  | 52%     |
| AR(1)           | 0.998       | 0.003  | 369.019 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 5         |
| Adjusted Observations     | 155       |
| Deg. of Freedom for Error | 153       |
| R-Squared                 | 0.949     |
| Adjusted R-Squared        | 0.948     |
| AIC                       | 0.396     |
| BIC                       | 0.435     |
| F-Statistic               | 1417.642  |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -248.61   |
| Model Sum of Squares      | 4158      |
| Sum of Squared Errors     | 224       |
| Mean Squared Error        | 1.47      |
| Std. Error of Regression  | 1.21      |
| Mean Abs. Dev. (MAD)      | 0.32      |
| Mean Abs. % Err. (MAPE)   | 0.93%     |
| Durbin-Watson Statistic   | 2.711     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 26.85     |
| Prob (Ljung-Box)          | 0.311     |
| Skewness                  | 0.133     |
| Kurtosis                  | 61.540    |
| Jarque-Bera               | 22132.582 |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean  | Elast  |
|-----------------|-------------|-------|--------|
| mBin.Yr2018Plus | -0.781      | 0.462 | -0.010 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.002       | 0.019  | 53.898 | 0%      |
| mStructResRev.XCool  | 1.002       | 0.032  | 31.296 | 0%      |
| mStructResRev.XOther | 1.002       | 0.026  | 38.879 | 0%      |
| mBin.Yr2017Plus      | -43.672     | 10.131 | -4.311 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 120     |
| Deg. of Freedom for Error | 116     |
| R-Squared                 | 0.970   |
| Adjusted R-Squared        | 0.969   |
| AIC                       | 7.841   |
| BIC                       | 7.934   |
| F-Statistic               | 927.377 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -636.73 |
| Model Sum of Squares      | 9128190 |
| Sum of Squared Errors     | 285448  |
| Mean Squared Error        | 2460.76 |
| Std. Error of Regression  | 49.61   |
| Mean Abs. Dev. (MAD)      | 37.91   |
| Mean Abs. % Err. (MAPE)   | 3.66%   |
| Durbin-Watson Statistic   | 2.370   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 37.66   |
| Prob (Ljung-Box)          | 0.038   |
| Skewness                  | 0.730   |
| Kurtosis                  | 4.624   |
| Jarque-Bera               | 23.830  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.002       | 361.252 | 0.344  |
| mStructResRev.XCool  | 1.002       | 166.532 | 0.158  |
| mStructResRev.XOther | 1.002       | 553.268 | 0.527  |
| mBin.Yr2017Plus      | -43.672     | 0.700   | -0.029 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 14616.018   | 1722.214 | 8.487  | 0%      |
| mStructComRev.XCool  | 5224.827    | 446.363  | 11.705 | 0%      |
| mStructComRev.XOther | 744.997     | 13.466   | 55.324 | 0%      |
| mBin.Yr2016Plus      | 1405.913    | 84.205   | 16.696 | 0%      |
| mBin.Apr             | -454.557    | 165.210  | -2.751 | 1%      |
| mBin.Year2020        | -415.289    | 164.429  | -2.526 | 1%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 162       |
| R-Squared                 | 0.693     |
| Adjusted R-Squared        | 0.683     |
| AIC                       | 12.590    |
| BIC                       | 12.701    |
| F-Statistic               | 60.840    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1289.91  |
| Model Sum of Squares      | 103451046 |
| Sum of Squared Errors     | 45910110  |
| Mean Squared Error        | 283395.74 |
| Std. Error of Regression  | 532.35    |
| Mean Abs. Dev. (MAD)      | 381.27    |
| Mean Abs. % Err. (MAPE)   | 3.68%     |
| Durbin-Watson Statistic   | 1.597     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 45.57     |
| Prob (Ljung-Box)          | 0.005     |
| Skewness                  | 0.752     |
| Kurtosis                  | 5.755     |
| Jarque-Bera               | 68.969    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 14616.018   | 0.039  | 0.055  |
| mStructComRev.XCool  | 5224.827    | 0.148  | 0.074  |
| mStructComRev.XOther | 744.997     | 11.226 | 0.801  |
| mBin.Yr2016Plus      | 1405.913    | 0.571  | 0.077  |
| mBin.Apr             | -454.557    | 0.083  | -0.004 |
| mBin.Year2020        | -415.289    | 0.071  | -0.003 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr   | T-Stat | P-Value |
|---------------|-------------|----------|--------|---------|
| mBin.Jan      | 43525.388   | 1754.609 | 24.806 | 0%      |
| mBin.Feb      | 38633.390   | 1734.390 | 22.275 | 0%      |
| mBin.Mar      | 41883.798   | 1719.559 | 24.357 | 0%      |
| mBin.Apr      | 40368.274   | 1724.519 | 23.408 | 0%      |
| mBin.May      | 42203.355   | 1715.152 | 24.606 | 0%      |
| mBin.Jun      | 41245.896   | 1707.628 | 24.154 | 0%      |
| mBin.Jul      | 41938.370   | 1701.641 | 24.646 | 0%      |
| mBin.Aug      | 44256.039   | 1696.932 | 26.080 | 0%      |
| mBin.Sep      | 42535.490   | 1693.266 | 25.120 | 0%      |
| mBin.Oct      | 45284.654   | 1690.434 | 26.789 | 0%      |
| mBin.Nov      | 42160.312   | 1688.258 | 24.973 | 0%      |
| mBin.Dec      | 44061.527   | 1670.650 | 26.374 | 0%      |
| mBin.AprNov15 | -8883.075   | 2694.751 | -3.296 | 0%      |
| mBin.Aft2019  | 6356.464    | 2189.112 | 2.904  | 0%      |
| AR(1)         | 0.756       | 0.056    | 13.558 | 0%      |

#### Model Statistics

|                           |             |
|---------------------------|-------------|
| Iterations                | 10          |
| Adjusted Observations     | 167         |
| Deg. of Freedom for Error | 152         |
| R-Squared                 | 0.742       |
| Adjusted R-Squared        | 0.718       |
| AIC                       | 16.498      |
| BIC                       | 16.778      |
| F-Statistic               | 29.148      |
| Prob (F-Statistic)        | 0.000       |
| Log-Likelihood            | -1599.51    |
| Model Sum of Squares      | 5866177400  |
| Sum of Squared Errors     | 2039373478  |
| Mean Squared Error        | 13416930.78 |
| Std. Error of Regression  | 3662.91     |
| Mean Abs. Dev. (MAD)      | 2616.54     |
| Mean Abs. % Err. (MAPE)   | 6.05%       |
| Durbin-Watson Statistic   | 2.048       |
| Durbin-H Statistic        | 0.000       |
| Ljung-Box Statistic       | 26.40       |
| Prob (Ljung-Box)          | 0.333       |
| Skewness                  | 0.451       |
| Kurtosis                  | 3.584       |
| Jarque-Bera               | 8.039       |
| Prob (Jarque-Bera)        | 0.018       |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 43525.388   | 0.083 | 0.084 |
| mBin.Feb | 38633.390   | 0.083 | 0.074 |
| mBin.Mar | 41883.798   | 0.083 | 0.081 |

| Variable      | Coefficient | Mean  | Elast  |
|---------------|-------------|-------|--------|
| mBin.Apr      | 40368.274   | 0.083 | 0.078  |
| mBin.May      | 42203.355   | 0.083 | 0.081  |
| mBin.Jun      | 41245.896   | 0.083 | 0.079  |
| mBin.Jul      | 41938.370   | 0.083 | 0.081  |
| mBin.Aug      | 44256.039   | 0.083 | 0.085  |
| mBin.Sep      | 42535.490   | 0.083 | 0.082  |
| mBin.Oct      | 45284.654   | 0.083 | 0.087  |
| mBin.Nov      | 42160.312   | 0.083 | 0.081  |
| mBin.Dec      | 44061.527   | 0.083 | 0.085  |
| mBin.AprNov15 | -8883.075   | 0.048 | -0.010 |
| mBin.Aft2019  | 6356.464    | 0.286 | 0.042  |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2013:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr | T-Stat | P-Value |
|---------------|-------------|--------|--------|---------|
| Econ.HH       | 933.759     | 23.097 | 40.427 | 0%      |
| mBin.Apr2017  | -380.678    | 66.346 | -5.738 | 0%      |
| mBin.TrendVar | 73.254      | 27.256 | 2.688  | 1%      |
| AR(1)         | 0.898       | 0.042  | 21.353 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 10       |
| Adjusted Observations     | 131      |
| Deg. of Freedom for Error | 127      |
| R-Squared                 | 0.967    |
| Adjusted R-Squared        | 0.966    |
| AIC                       | 9.019    |
| BIC                       | 9.107    |
| F-Statistic               | 922.022  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -772.63  |
| Model Sum of Squares      | 29560500 |
| Sum of Squared Errors     | 1017921  |
| Mean Squared Error        | 8015.13  |
| Std. Error of Regression  | 89.53    |
| Mean Abs. Dev. (MAD)      | 67.53    |
| Mean Abs. % Err. (MAPE)   | 0.30%    |
| Durbin-Watson Statistic   | 2.670    |
| Durbin-H Statistic        | 0.214    |
| Ljung-Box Statistic       | 50.33    |
| Prob (Ljung-Box)          | 0.001    |
| Skewness                  | 0.003    |
| Kurtosis                  | 3.598    |
| Jarque-Bera               | 1.951    |
| Prob (Jarque-Bera)        | 0.377    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable      | Coefficient | Mean   | Elast  |
|---------------|-------------|--------|--------|
| Econ.HH       | 933.759     | 22.953 | 0.940  |
| mBin.Apr2017  | -380.678    | 0.008  | -0.000 |
| mBin.TrendVar | 73.254      | 18.542 | 0.060  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr  | T-Stat | P-Value |
|------------------|-------------|---------|--------|---------|
| CONST            | -526.407    | 118.271 | -4.451 | 0%      |
| mBin.Feb2019     | 56.973      | 18.157  | 3.138  | 0%      |
| mBin.Dec2022Plus | 406.275     | 8.626   | 47.102 | 0%      |
| mBin.Dec2023Plus | 25.976      | 20.216  | 1.285  | 20%     |
| ResCusts.Filled  | 0.099       | 0.005   | 19.072 | 0%      |
| MA(1)            | 0.357       | 0.074   | 4.816  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 20       |
| Adjusted Observations     | 132      |
| Deg. of Freedom for Error | 126      |
| R-Squared                 | 0.980    |
| Adjusted R-Squared        | 0.980    |
| AIC                       | 6.226    |
| BIC                       | 6.357    |
| F-Statistic               | 1265.743 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -592.18  |
| Model Sum of Squares      | 3060194  |
| Sum of Squared Errors     | 60926    |
| Mean Squared Error        | 483.54   |
| Std. Error of Regression  | 21.99    |
| Mean Abs. Dev. (MAD)      | 13.59    |
| Mean Abs. % Err. (MAPE)   | 0.75%    |
| Durbin-Watson Statistic   | 1.686    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 54.72    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -2.564   |
| Kurtosis                  | 19.139   |
| Jarque-Bera               | 1577.222 |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean      | Elast |
|------------------|-------------|-----------|-------|
| mBin.Feb2019     | 56.973      | 0.008     | 0.000 |
| mBin.Dec2022Plus | 406.275     | 0.098     | 0.023 |
| mBin.Dec2023Plus | 25.976      | 0.008     | 0.000 |
| ResCusts.Filled  | 0.099       | 22799.492 | 1.273 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.797       | 0.076  | 10.482 | 0%      |
| mPeakVars.CoolingVar | 1.234       | 0.255  | 4.847  | 0%      |
| mPeakVars.BaseVar    | 0.435       | 0.007  | 61.880 | 0%      |
| mBin.Mar             | 8.492       | 2.619  | 3.242  | 0%      |
| mBin.May             | -9.821      | 2.660  | -3.692 | 0%      |
| mBin.Oct15           | -21.449     | 8.020  | -2.674 | 1%      |
| MA(1)                | 0.444       | 0.074  | 5.973  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 14      |
| Adjusted Observations     | 120     |
| Deg. of Freedom for Error | 113     |
| R-Squared                 | 0.734   |
| Adjusted R-Squared        | 0.720   |
| AIC                       | 4.766   |
| BIC                       | 4.928   |
| F-Statistic               | 44.626  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -449.21 |
| Model Sum of Squares      | 34659   |
| Sum of Squared Errors     | 12537   |
| Mean Squared Error        | 110.95  |
| Std. Error of Regression  | 10.53   |
| Mean Abs. Dev. (MAD)      | 7.40    |
| Mean Abs. % Err. (MAPE)   | 4.87%   |
| Durbin-Watson Statistic   | 2.022   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 15.97   |
| Prob (Ljung-Box)          | 0.889   |
| Skewness                  | 1.825   |
| Kurtosis                  | 10.607  |
| Jarque-Bera               | 355.958 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |         |
|--------------------------------|---------|
| Forecast Observations          | 1       |
| Mean Abs. Dev. (MAD)           | 20.38   |
| Mean Abs. % Err. (MAPE)        | 10.06%  |
| Avg. Forecast Error            | 20.38   |
| Mean % Error                   | 10.06%  |
| Root Mean-Square Error         | 20.38   |
| Theil's Inequality Coefficient | 0.053   |
| -- Bias Proportion             | 100.00% |
| -- Variance Proportion         | 0.00%   |
| -- Covariance Proportion       | 0.00%   |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 0.797       | 14.538  | 0.077  |
| mPeakVars.CoolingVar | 1.234       | 3.733   | 0.031  |
| mPeakVars.BaseVar    | 0.435       | 310.443 | 0.895  |
| mBin.Mar             | 8.492       | 0.083   | 0.005  |
| mBin.May             | -9.821      | 0.083   | -0.005 |
| mBin.Oct15           | -21.449     | 0.008   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Fleming  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr | T-Stat | P-Value |
|----------|-------------|--------|--------|---------|
| mBin.Jan | 8.409       | 0.854  | 9.846  | 0%      |
| mBin.Feb | 8.401       | 0.854  | 9.834  | 0%      |
| mBin.Mar | 8.420       | 0.854  | 9.854  | 0%      |
| mBin.Apr | 8.412       | 0.855  | 9.843  | 0%      |
| mBin.May | 8.449       | 0.855  | 9.885  | 0%      |
| mBin.Jun | 8.445       | 0.855  | 9.880  | 0%      |
| mBin.Jul | 8.453       | 0.855  | 9.890  | 0%      |
| mBin.Aug | 8.426       | 0.855  | 9.859  | 0%      |
| mBin.Sep | 8.413       | 0.854  | 9.846  | 0%      |
| mBin.Oct | 8.428       | 0.854  | 9.865  | 0%      |
| mBin.Nov | 8.400       | 0.854  | 9.835  | 0%      |
| mBin.Dec | 8.396       | 0.854  | 9.835  | 0%      |
| AR(1)    | 0.988       | 0.010  | 97.595 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 10      |
| Adjusted Observations     | 167     |
| Deg. of Freedom for Error | 154     |
| R-Squared                 | 0.984   |
| Adjusted R-Squared        | 0.983   |
| AIC                       | -4.509  |
| BIC                       | -4.266  |
| F-Statistic               | 728.962 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | 152.51  |
| Model Sum of Squares      | 97      |
| Sum of Squared Errors     | 2       |
| Mean Squared Error        | 0.01    |
| Std. Error of Regression  | 0.10    |
| Mean Abs. Dev. (MAD)      | 0.05    |
| Mean Abs. % Err. (MAPE)   | 0.64%   |
| Durbin-Watson Statistic   | 1.680   |
| Durbin-H Statistic        | 0.862   |
| Ljung-Box Statistic       | 49.11   |
| Prob (Ljung-Box)          | 0.002   |
| Skewness                  | 2.064   |
| Kurtosis                  | 14.003  |
| Jarque-Bera               | 960.981 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 8.409       | 0.083 | 0.091 |
| mBin.Feb | 8.401       | 0.083 | 0.091 |
| mBin.Mar | 8.420       | 0.083 | 0.091 |
| mBin.Apr | 8.412       | 0.083 | 0.091 |
| mBin.May | 8.449       | 0.083 | 0.091 |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jun | 8.445       | 0.083 | 0.091 |
| mBin.Jul | 8.453       | 0.083 | 0.091 |
| mBin.Aug | 8.426       | 0.083 | 0.091 |
| mBin.Sep | 8.413       | 0.083 | 0.091 |
| mBin.Oct | 8.428       | 0.083 | 0.091 |
| mBin.Nov | 8.400       | 0.083 | 0.091 |
| mBin.Dec | 8.396       | 0.083 | 0.091 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\F  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.IndCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 1.000       |

**Model Statistics**

|                           |          |
|---------------------------|----------|
| Iterations                | 5        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.967    |
| Adjusted R-Squared        | 0.967    |
| AIC                       | -5.112   |
| BIC                       | -5.093   |
| F-Statistic               | 4922.524 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | 192.03   |
| Model Sum of Squares      | 29       |
| Sum of Squared Errors     | 1        |
| Mean Squared Error        | 0.01     |
| Std. Error of Regression  | 0.08     |
| Mean Abs. Dev. (MAD)      | 0.01     |
| Mean Abs. % Err. (MAPE)   | 0.10%    |
| Durbin-Watson Statistic   | 2.000    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 0.18     |
| Prob (Ljung-Box)          | 1.000    |
| Skewness                  | 12.845   |
| Kurtosis                  | 166.006  |
| Jarque-Bera               | 190616.8 |
| Prob (Jarque-Bera)        | 0.000    |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 3.257       | 0.168  | 19.330 | 0%      |
| mStructResRev.XCool  | 0.418       | 0.037  | 11.427 | 0%      |
| mStructResRev.XOther | 1.067       | 0.034  | 31.318 | 0%      |
| mBin.Mar             | -136.606    | 29.108 | -4.693 | 0%      |
| mBin.Apr             | -113.113    | 29.424 | -3.844 | 0%      |
| mBin.Sep             | -76.290     | 28.088 | -2.716 | 1%      |
| mBin.Feb2016         | -318.979    | 89.728 | -3.555 | 0%      |
| mBin.March2017       | -250.220    | 92.858 | -2.695 | 1%      |
| mBin.Yr18Plus        | -56.387     | 15.027 | -3.752 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 135     |
| R-Squared                 | 0.855   |
| Adjusted R-Squared        | 0.847   |
| AIC                       | 9.028   |
| BIC                       | 9.213   |
| F-Statistic               | 88.745  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -845.33 |
| Model Sum of Squares      | 6263819 |
| Sum of Squared Errors     | 1058731 |
| Mean Squared Error        | 7842.45 |
| Std. Error of Regression  | 88.56   |
| Mean Abs. Dev. (MAD)      | 63.88   |
| Mean Abs. % Err. (MAPE)   | 6.30%   |
| Durbin-Watson Statistic   | 1.656   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 88.50   |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.288   |
| Kurtosis                  | 4.137   |
| Jarque-Bera               | 9.739   |
| Prob (Jarque-Bera)        | 0.008   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 3.257       | 66.606  | 0.216  |
| mStructResRev.XCool  | 0.418       | 247.953 | 0.103  |
| mStructResRev.XOther | 1.067       | 695.765 | 0.740  |
| mBin.Mar             | -136.606    | 0.083   | -0.011 |
| mBin.Apr             | -113.113    | 0.083   | -0.009 |
| mBin.Sep             | -76.290     | 0.083   | -0.006 |
| mBin.Feb2016         | -318.979    | 0.007   | -0.002 |
| mBin.March2017       | -250.220    | 0.007   | -0.002 |
| mBin.Yr18Plus        | -56.387     | 0.500   | -0.028 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat | P-Value |
|----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat  | 9883.382    | 572.981 | 17.249 | 0%      |
| mStructComRev.XCool  | 1480.618    | 114.943 | 12.881 | 0%      |
| mStructComRev.XOther | 293.296     | 5.475   | 53.568 | 0%      |
| mBin.Bef13           | -325.983    | 55.620  | -5.861 | 0%      |
| mBin.Yr18Plus        | 265.416     | 40.923  | 6.486  | 0%      |
| mBin.Oct17           | 1337.881    | 176.995 | 7.559  | 0%      |
| mBin.Mar             | -204.620    | 54.753  | -3.737 | 0%      |
| mBin.Apr             | -135.768    | 57.159  | -2.375 | 2%      |
| mBin.Year2019Before  | -226.142    | 46.865  | -4.825 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 135      |
| R-Squared                 | 0.793    |
| Adjusted R-Squared        | 0.780    |
| AIC                       | 10.378   |
| BIC                       | 10.563   |
| F-Statistic               | 57.346   |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -942.51  |
| Model Sum of Squares      | 15609509 |
| Sum of Squared Errors     | 4082979  |
| Mean Squared Error        | 30244.29 |
| Std. Error of Regression  | 173.91   |
| Mean Abs. Dev. (MAD)      | 128.11   |
| Mean Abs. % Err. (MAPE)   | 3.44%    |
| Durbin-Watson Statistic   | 1.545    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 81.84    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.147    |
| Kurtosis                  | 4.119    |
| Jarque-Bera               | 8.036    |
| Prob (Jarque-Bera)        | 0.018    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 9883.382    | 0.036  | 0.093  |
| mStructComRev.XCool  | 1480.618    | 0.161  | 0.063  |
| mStructComRev.XOther | 293.296     | 11.047 | 0.860  |
| mBin.Bef13           | -325.983    | 0.083  | -0.007 |
| mBin.Yr18Plus        | 265.416     | 0.500  | 0.035  |
| mBin.Oct17           | 1337.881    | 0.007  | 0.002  |
| mBin.Mar             | -204.620    | 0.083  | -0.005 |
| mBin.Apr             | -135.768    | 0.083  | -0.003 |
| mBin.Year2019Before  | -226.142    | 0.667  | -0.040 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable           | Coefficient | StdErr  | T-Stat | P-Value |
|--------------------|-------------|---------|--------|---------|
| mBin.Jan           | 2440.816    | 75.507  | 32.326 | 0%      |
| mBin.Feb           | 2284.313    | 72.702  | 31.420 | 0%      |
| mBin.Mar           | 2607.957    | 72.702  | 35.872 | 0%      |
| mBin.Apr           | 2295.292    | 72.468  | 31.673 | 0%      |
| mBin.May           | 2486.261    | 72.468  | 34.308 | 0%      |
| mBin.Jun           | 2549.477    | 72.468  | 35.181 | 0%      |
| mBin.Jul           | 2698.876    | 72.468  | 37.242 | 0%      |
| mBin.Aug           | 2609.949    | 72.468  | 36.015 | 0%      |
| mBin.Sep           | 2536.036    | 72.468  | 34.995 | 0%      |
| mBin.Oct           | 2568.533    | 72.468  | 35.444 | 0%      |
| mBin.Nov           | 2468.069    | 72.468  | 34.057 | 0%      |
| mBin.Dec           | 2559.119    | 72.468  | 35.314 | 0%      |
| mBin.Jan18         | -741.369    | 279.567 | -2.652 | 1%      |
| mBin.Year2022After | 4285.026    | 73.455  | 58.335 | 0%      |
| mBin.Apr2023After  | 1606.343    | 115.185 | 13.946 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 153       |
| R-Squared                 | 0.979     |
| Adjusted R-Squared        | 0.977     |
| AIC                       | 11.276    |
| BIC                       | 11.555    |
| F-Statistic               | 469.749   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1170.55  |
| Model Sum of Squares      | 510545603 |
| Sum of Squared Errors     | 11085854  |
| Mean Squared Error        | 72456.56  |
| Std. Error of Regression  | 269.18    |
| Mean Abs. Dev. (MAD)      | 149.98    |
| Mean Abs. % Err. (MAPE)   | 4.72%     |
| Durbin-Watson Statistic   | 1.146     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 59.68     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -1.354    |
| Kurtosis                  | 24.473    |
| Jarque-Bera               | 3278.861  |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 2440.816    | 0.083 | 0.064 |
| mBin.Feb | 2284.313    | 0.083 | 0.059 |
| mBin.Mar | 2607.957    | 0.083 | 0.068 |

| Variable           | Coefficient | Mean  | Elast  |
|--------------------|-------------|-------|--------|
| mBin.Apr           | 2295.292    | 0.083 | 0.060  |
| mBin.May           | 2486.261    | 0.083 | 0.065  |
| mBin.Jun           | 2549.477    | 0.083 | 0.066  |
| mBin.Jul           | 2698.876    | 0.083 | 0.070  |
| mBin.Aug           | 2609.949    | 0.083 | 0.068  |
| mBin.Sep           | 2536.036    | 0.083 | 0.066  |
| mBin.Oct           | 2568.533    | 0.083 | 0.067  |
| mBin.Nov           | 2468.069    | 0.083 | 0.064  |
| mBin.Dec           | 2559.119    | 0.083 | 0.067  |
| mBin.Jan18         | -741.369    | 0.006 | -0.001 |
| mBin.Year2022After | 4285.026    | 0.143 | 0.191  |
| mBin.Apr2023After  | 1606.343    | 0.054 | 0.027  |

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| Project:                     | H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\G |
| Exponential Smoothing Model: | SLSales                                                                       |
| Dependent Variable:          | mSales.SLSales                                                                |
| Date:                        | December 06, 2024                                                             |
| Time:                        | 11:05 AM                                                                      |
| Estimation Begin Date:       | 2010:1                                                                        |
| Estimation End Date:         | 2023:12                                                                       |
| Forecast Period End Date:    | 2044:12                                                                       |

| Variable | Coefficient |
|----------|-------------|
| Simple   | 1.002       |

### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 8         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 167       |
| R-Squared                 | 0.989     |
| Adjusted R-Squared        | 0.989     |
| AIC                       | -5.921    |
| BIC                       | -5.903    |
| F-Statistic               | 15027.568 |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | 260.02    |
| Model Sum of Squares      | 40        |
| Sum of Squared Errors     | 0         |
| Mean Squared Error        | 0.00      |
| Std. Error of Regression  | 0.05      |
| Mean Abs. Dev. (MAD)      | 0.01      |
| Mean Abs. % Err. (MAPE)   | 0.39%     |
| Durbin-Watson Statistic   | 1.992     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 22.11     |
| Prob (Ljung-Box)          | 0.573     |
| Skewness                  | -6.480    |
| Kurtosis                  | 66.999    |
| Jarque-Bera               | 29846.7   |
| Prob (Jarque-Bera)        | 0.000     |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable       | Coefficient | StdErr   | T-Stat | P-Value |
|----------------|-------------|----------|--------|---------|
| CONST          | 9846.080    | 1079.360 | 9.122  | 0%      |
| Econ.HH        | 180.982     | 47.412   | 3.817  | 0%      |
| mBin.TrendVar  | 13.289      | 1.897    | 7.005  | 0%      |
| mBin.April2023 | 1009.748    | 79.771   | 12.658 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 140     |
| R-Squared                 | 0.655   |
| Adjusted R-Squared        | 0.647   |
| AIC                       | 8.745   |
| BIC                       | 8.827   |
| F-Statistic               | 88.486  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -829.96 |
| Model Sum of Squares      | 1621736 |
| Sum of Squared Errors     | 855291  |
| Mean Squared Error        | 6109.22 |
| Std. Error of Regression  | 78.16   |
| Mean Abs. Dev. (MAD)      | 57.92   |
| Mean Abs. % Err. (MAPE)   | 0.41%   |
| Durbin-Watson Statistic   | 0.610   |
| Durbin-H Statistic        | -1.091  |
| Ljung-Box Statistic       | 356.91  |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | -0.339  |
| Kurtosis                  | 3.910   |
| Jarque-Bera               | 7.725   |
| Prob (Jarque-Bera)        | 0.021   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable       | Coefficient | Mean   | Elast |
|----------------|-------------|--------|-------|
| Econ.HH        | 180.982     | 22.730 | 0.290 |
| mBin.TrendVar  | 13.289      | 18.042 | 0.017 |
| mBin.April2023 | 1009.748    | 0.007  | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat | P-Value |
|-----------------|-------------|--------|--------|---------|
| CONST           | 1153.367    | 84.265 | 13.687 | 0%      |
| ResCusts.Filled | 0.002       | 0.006  | 0.351  | 73%     |
| AR(1)           | 0.984       | 0.021  | 46.190 | 0%      |
| MA(1)           | -0.470      | 0.081  | -5.828 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 15      |
| Adjusted Observations     | 143     |
| Deg. of Freedom for Error | 139     |
| R-Squared                 | 0.826   |
| Adjusted R-Squared        | 0.822   |
| AIC                       | 4.065   |
| BIC                       | 4.147   |
| F-Statistic               | 220.329 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -489.52 |
| Model Sum of Squares      | 37448   |
| Sum of Squared Errors     | 7875    |
| Mean Squared Error        | 56.65   |
| Std. Error of Regression  | 7.53    |
| Mean Abs. Dev. (MAD)      | 5.52    |
| Mean Abs. % Err. (MAPE)   | 0.46%   |
| Durbin-Watson Statistic   | 2.096   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 23.54   |
| Prob (Ljung-Box)          | 0.488   |
| Skewness                  | 0.450   |
| Kurtosis                  | 4.946   |
| Jarque-Bera               | 27.385  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.002       | 14206.625 | 0.023 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\G  
**Exponential Smoothing Model:** IndCusts  
**Dependent Variable:** mSales.IndCusts  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 1.000       |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 5        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.953    |
| Adjusted R-Squared        | 0.953    |
| AIC                       | -5.112   |
| BIC                       | -5.093   |
| F-Statistic               | 3386.720 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | 192.03   |
| Model Sum of Squares      | 20       |
| Sum of Squared Errors     | 1        |
| Mean Squared Error        | 0.01     |
| Std. Error of Regression  | 0.08     |
| Mean Abs. Dev. (MAD)      | 0.01     |
| Mean Abs. % Err. (MAPE)   | 0.20%    |
| Durbin-Watson Statistic   | 2.000    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 0.18     |
| Prob (Ljung-Box)          | 1.000    |
| Skewness                  | 12.845   |
| Kurtosis                  | 166.006  |
| Jarque-Bera               | 190616.8 |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Grays  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:05 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.527       | 0.046  | 11.523 | 0%      |
| mPeakVars.CoolingVar | 1.372       | 0.125  | 10.949 | 0%      |
| mPeakVars.BaseVar    | 0.234       | 0.007  | 31.868 | 0%      |
| mBin.Yr11to15        | 0.415       | 0.800  | 0.519  | 60%     |
| mBin.Mar             | 4.702       | 1.402  | 3.354  | 0%      |
| mBin.Oct             | -3.183      | 1.464  | -2.175 | 3%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 139     |
| R-Squared                 | 0.744   |
| Adjusted R-Squared        | 0.735   |
| AIC                       | 3.069   |
| BIC                       | 3.192   |
| F-Statistic               | 67.269  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -422.24 |
| Model Sum of Squares      | 8340    |
| Sum of Squared Errors     | 2872    |
| Mean Squared Error        | 20.66   |
| Std. Error of Regression  | 4.55    |
| Mean Abs. Dev. (MAD)      | 3.46    |
| Mean Abs. % Err. (MAPE)   | 6.72%   |
| Durbin-Watson Statistic   | 1.157   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 188.24  |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.602   |
| Kurtosis                  | 3.483   |
| Jarque-Bera               | 10.160  |
| Prob (Jarque-Bera)        | 0.006   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 0.527       | 13.739  | 0.143  |
| mPeakVars.CoolingVar | 1.372       | 3.797   | 0.103  |
| mPeakVars.BaseVar    | 0.234       | 162.256 | 0.749  |
| mBin.Yr11to15        | 0.415       | 0.331   | 0.003  |
| mBin.Mar             | 4.702       | 0.083   | 0.008  |
| mBin.Oct             | -3.183      | 0.083   | -0.005 |

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\G  
Exponential Smoothing Model: SLCusts  
Dependent Variable: mSales.SLCusts  
Date: December 06, 2024  
Time: 11:05 AM  
Estimation Begin Date: 2010:1  
Estimation End Date: 2023:12  
Forecast Period End Date: 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.500       |

**Model Statistics**

|                           |           |
|---------------------------|-----------|
| Iterations                | 0         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 167       |
| R-Squared                 | 1.000     |
| Adjusted R-Squared        | 1.000     |
| AIC                       | nan       |
| BIC                       | nan       |
| F-Statistic               | 0.000     |
| Prob (F-Statistic)        | 1.000     |
| Log-Likelihood            | nan       |
| Model Sum of Squares      | 0         |
| Sum of Squared Errors     | 0         |
| Mean Squared Error        | 0.00      |
| Std. Error of Regression  | 0.00      |
| Mean Abs. Dev. (MAD)      | 0.00      |
| Mean Abs. % Err. (MAPE)   | 0.00%     |
| Durbin-Watson Statistic   | 0.000     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | nan       |
| Prob (Ljung-Box)          | -nan(ind) |
| Skewness                  | nan       |
| Kurtosis                  | -nan(ind) |
| Jarque-Bera               | -nan(ind) |
| Prob (Jarque-Bera)        | nan       |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:06 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.199       | 0.107  | 11.163 | 0%      |
| mStructResRev.XCool  | 1.198       | 0.257  | 4.654  | 0%      |
| mStructResRev.XOther | 1.198       | 0.042  | 28.655 | 0%      |
| mBin.Yr2015Plus      | -216.555    | 37.862 | -5.720 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.534    |
| Adjusted R-Squared        | 0.525    |
| AIC                       | 10.785   |
| BIC                       | 10.860   |
| F-Statistic               | 46.919   |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1140.34 |
| Model Sum of Squares      | 8853907  |
| Sum of Squared Errors     | 7736991  |
| Mean Squared Error        | 47176.78 |
| Std. Error of Regression  | 217.20   |
| Mean Abs. Dev. (MAD)      | 153.22   |
| Mean Abs. % Err. (MAPE)   | 13.05%   |
| Durbin-Watson Statistic   | 0.688    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 338.30   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 1.719    |
| Kurtosis                  | 7.790    |
| Jarque-Bera               | 243.297  |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.199       | 173.222 | 0.176  |
| mStructResRev.XCool  | 1.198       | 62.253  | 0.063  |
| mStructResRev.XOther | 1.198       | 867.963 | 0.879  |
| mBin.Yr2015Plus      | -216.555    | 0.643   | -0.118 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:06 AM  
**Estimation Begin Date:** 2013:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat  | P-Value |
|----------------------|-------------|----------|---------|---------|
| CONST                | -2534.970   | 826.741  | -3.066  | 0%      |
| mStructComRev.XHeat  | 9856.267    | 1085.432 | 9.081   | 0%      |
| mStructComRev.XCool  | 2180.700    | 263.061  | 8.290   | 0%      |
| mStructComRev.XOther | 129.327     | 71.402   | 1.811   | 7%      |
| ComCusts.Filled      | 4.006       | 0.295    | 13.588  | 0%      |
| mBin.Before2018      | -1901.355   | 119.228  | -15.947 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 132       |
| Deg. of Freedom for Error | 126       |
| R-Squared                 | 0.710     |
| Adjusted R-Squared        | 0.698     |
| AIC                       | 11.591    |
| BIC                       | 11.722    |
| F-Statistic               | 61.551    |
| Prob (F-Statistic)        | -0.000    |
| Log-Likelihood            | -946.33   |
| Model Sum of Squares      | 31841643  |
| Sum of Squared Errors     | 13036602  |
| Mean Squared Error        | 103465.10 |
| Std. Error of Regression  | 321.66    |
| Mean Abs. Dev. (MAD)      | 233.12    |
| Mean Abs. % Err. (MAPE)   | 5.87%     |
| Durbin-Watson Statistic   | 0.737     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 262.92    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.459     |
| Kurtosis                  | 4.316     |
| Jarque-Bera               | 14.143    |
| Prob (Jarque-Bera)        | 0.001     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean     | Elast  |
|----------------------|-------------|----------|--------|
| mStructComRev.XHeat  | 9856.267    | 0.038    | 0.092  |
| mStructComRev.XCool  | 2180.700    | 0.155    | 0.084  |
| mStructComRev.XOther | 129.327     | 11.450   | 0.368  |
| ComCusts.Filled      | 4.006       | 1305.879 | 1.301  |
| mBin.Before2018      | -1901.355   | 0.455    | -0.215 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:06 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable            | Coefficient | StdErr  | T-Stat | P-Value |
|---------------------|-------------|---------|--------|---------|
| mBin.Jan            | 3924.078    | 458.198 | 8.564  | 0%      |
| mBin.Feb            | 4263.875    | 458.198 | 9.306  | 0%      |
| mBin.Mar            | 4169.123    | 458.198 | 9.099  | 0%      |
| mBin.Apr            | 4418.371    | 458.198 | 9.643  | 0%      |
| mBin.May            | 4164.304    | 458.198 | 9.088  | 0%      |
| mBin.Jun            | 4423.230    | 458.198 | 9.654  | 0%      |
| mBin.Jul            | 4736.829    | 458.198 | 10.338 | 0%      |
| mBin.Aug            | 4501.487    | 462.512 | 9.733  | 0%      |
| mBin.Sep            | 4048.427    | 461.841 | 8.766  | 0%      |
| mBin.Oct            | 3899.589    | 461.841 | 8.444  | 0%      |
| mBin.Nov            | 4162.359    | 461.841 | 9.013  | 0%      |
| mBin.Dec            | 3905.396    | 461.841 | 8.456  | 0%      |
| mBin.August2021Plus | 6801.074    | 495.560 | 13.724 | 0%      |
| mBin.Sep2022Plus    | 7513.504    | 639.445 | 11.750 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 1          |
| Adjusted Observations     | 168        |
| Deg. of Freedom for Error | 154        |
| R-Squared                 | 0.880      |
| Adjusted R-Squared        | 0.870      |
| AIC                       | 14.961     |
| BIC                       | 15.222     |
| F-Statistic               | 80.427     |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1481.13   |
| Model Sum of Squares      | 3269909638 |
| Sum of Squared Errors     | 447226620  |
| Mean Squared Error        | 2904068.96 |
| Std. Error of Regression  | 1704.13    |
| Mean Abs. Dev. (MAD)      | 1241.67    |
| Mean Abs. % Err. (MAPE)   | 38.00%     |
| Durbin-Watson Statistic   | 0.332      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 1011.07    |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | -0.109     |
| Kurtosis                  | 5.623      |
| Jarque-Bera               | 48.485     |
| Prob (Jarque-Bera)        | 0.000      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 3924.078    | 0.083 | 0.054 |
| mBin.Feb | 4263.875    | 0.083 | 0.058 |
| mBin.Mar | 4169.123    | 0.083 | 0.057 |
| mBin.Apr | 4418.371    | 0.083 | 0.060 |

| Variable            | Coefficient | Mean  | Elast |
|---------------------|-------------|-------|-------|
| mBin.May            | 4164.304    | 0.083 | 0.057 |
| mBin.Jun            | 4423.230    | 0.083 | 0.060 |
| mBin.Jul            | 4736.829    | 0.083 | 0.065 |
| mBin.Aug            | 4501.487    | 0.083 | 0.061 |
| mBin.Sep            | 4048.427    | 0.083 | 0.055 |
| mBin.Oct            | 3899.589    | 0.083 | 0.053 |
| mBin.Nov            | 4162.359    | 0.083 | 0.057 |
| mBin.Dec            | 3905.396    | 0.083 | 0.053 |
| mBin.August2021Plus | 6801.074    | 0.173 | 0.192 |
| mBin.Sep2022Plus    | 7513.504    | 0.095 | 0.117 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:06 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr   | T-Stat | P-Value |
|-----------------|-------------|----------|--------|---------|
| CONST           | 10882.153   | 8154.513 | 1.334  | 18%     |
| Econ.HH         | 389.235     | 206.818  | 1.882  | 6%      |
| mBin.Before2018 | -668.456    | 71.213   | -9.387 | 0%      |
| AR(1)           | 0.976       | 0.025    | 39.350 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 18        |
| Adjusted Observations     | 143       |
| Deg. of Freedom for Error | 139       |
| R-Squared                 | 0.994     |
| Adjusted R-Squared        | 0.994     |
| AIC                       | 8.536     |
| BIC                       | 8.619     |
| F-Statistic               | 8133.509  |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -809.25   |
| Model Sum of Squares      | 120964388 |
| Sum of Squared Errors     | 689086    |
| Mean Squared Error        | 4957.45   |
| Std. Error of Regression  | 70.41     |
| Mean Abs. Dev. (MAD)      | 54.80     |
| Mean Abs. % Err. (MAPE)   | 0.22%     |
| Durbin-Watson Statistic   | 2.646     |
| Durbin-H Statistic        | -1.978    |
| Ljung-Box Statistic       | 59.11     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -0.121    |
| Kurtosis                  | 3.382     |
| Jarque-Bera               | 1.219     |
| Prob (Jarque-Bera)        | 0.544     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean   | Elast  |
|-----------------|-------------|--------|--------|
| Econ.HH         | 389.235     | 37.696 | 0.587  |
| mBin.Before2018 | -668.456    | 0.500  | -0.013 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:06 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr | T-Stat  | P-Value |
|-------------------|-------------|--------|---------|---------|
| mBin.Yr2018Plus   | -581.009    | 17.138 | -33.902 | 0%      |
| mBin.Year2020Plus | 110.040     | 15.496 | 7.101   | 0%      |
| Econ.EmpNonMan    | 50.499      | 1.969  | 25.653  | 0%      |
| mBin.TrendVar     | 22.934      | 3.007  | 7.626   | 0%      |
| AR(1)             | 0.332       | 0.077  | 4.323   | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 9        |
| Adjusted Observations     | 155      |
| Deg. of Freedom for Error | 150      |
| R-Squared                 | 0.967    |
| Adjusted R-Squared        | 0.966    |
| AIC                       | 7.173    |
| BIC                       | 7.271    |
| F-Statistic               | 872.586  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -770.84  |
| Model Sum of Squares      | 5510455  |
| Sum of Squared Errors     | 189453   |
| Mean Squared Error        | 1263.02  |
| Std. Error of Regression  | 35.54    |
| Mean Abs. Dev. (MAD)      | 16.19    |
| Mean Abs. % Err. (MAPE)   | 1.37%    |
| Durbin-Watson Statistic   | 1.993    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 6.63     |
| Prob (Ljung-Box)          | 1.000    |
| Skewness                  | -3.812   |
| Kurtosis                  | 30.795   |
| Jarque-Bera               | 5364.877 |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable          | Coefficient | Mean   | Elast  |
|-------------------|-------------|--------|--------|
| mBin.Yr2018Plus   | -581.009    | 0.462  | -0.203 |
| mBin.Year2020Plus | 110.040     | 0.308  | 0.026  |
| Econ.EmpNonMan    | 50.499      | 22.843 | 0.873  |
| mBin.TrendVar     | 22.934      | 17.542 | 0.304  |

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\InterC  
Model: Peaks  
Dependent Variable: mLoad.Peak  
Date: December 06, 2024  
Time: 11:06 AM  
Estimation Begin Date: 2010:1  
Estimation End Date: 2024:1  
Forecast Period End Date: 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.817       | 0.069  | 26.158 | 0%      |
| mPeakVars.CoolingVar | 3.449       | 0.194  | 17.737 | 0%      |
| mPeakVars.BaseVar    | 0.133       | 0.004  | 30.537 | 0%      |
| mBin.Mar             | 11.225      | 2.692  | 4.170  | 0%      |

Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 132     |
| Deg. of Freedom for Error | 128     |
| R-Squared                 | 0.871   |
| Adjusted R-Squared        | 0.868   |
| AIC                       | 4.284   |
| BIC                       | 4.371   |
| F-Statistic               | 215.202 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -466.04 |
| Model Sum of Squares      | 60595   |
| Sum of Squared Errors     | 9010    |
| Mean Squared Error        | 70.39   |
| Std. Error of Regression  | 8.39    |
| Mean Abs. Dev. (MAD)      | 6.54    |
| Mean Abs. % Err. (MAPE)   | 6.80%   |
| Durbin-Watson Statistic   | 1.185   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 92.80   |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | -0.268  |
| Kurtosis                  | 2.955   |
| Jarque-Bera               | 1.590   |
| Prob (Jarque-Bera)        | 0.452   |

Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast |
|----------------------|-------------|---------|-------|
| mPeakVars.HeatingVar | 1.817       | 15.001  | 0.276 |
| mPeakVars.CoolingVar | 3.449       | 4.146   | 0.145 |
| mPeakVars.BaseVar    | 0.133       | 417.047 | 0.562 |
| mBin.Mar             | 11.225      | 0.083   | 0.009 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.007       | 0.027  | 37.264 | 0%      |
| mStructResRev.XCool  | 1.007       | 0.045  | 22.182 | 0%      |
| mStructResRev.XOther | 1.007       | 0.024  | 41.349 | 0%      |
| mBin.Nov10           | 453.313     | 88.201 | 5.140  | 0%      |
| mBin.Oct15           | -425.331    | 88.602 | -4.800 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 163      |
| R-Squared                 | 0.918    |
| Adjusted R-Squared        | 0.916    |
| AIC                       | 8.980    |
| BIC                       | 9.073    |
| F-Statistic               | 362.698  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -987.68  |
| Model Sum of Squares      | 13983869 |
| Sum of Squared Errors     | 1256896  |
| Mean Squared Error        | 7711.02  |
| Std. Error of Regression  | 87.81    |
| Mean Abs. Dev. (MAD)      | 63.58    |
| Mean Abs. % Err. (MAPE)   | 5.45%    |
| Durbin-Watson Statistic   | 1.213    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 257.14   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.628    |
| Kurtosis                  | 4.231    |
| Jarque-Bera               | 21.656   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.007       | 344.162 | 0.292  |
| mStructResRev.XCool  | 1.007       | 153.095 | 0.130  |
| mStructResRev.XOther | 1.007       | 679.133 | 0.577  |
| mBin.Nov10           | 453.313     | 0.006   | 0.002  |
| mBin.Oct15           | -425.331    | 0.006   | -0.002 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** ComAvgUse  
**Dependent Variable:** mSales.ComAvgUse  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2000:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat | P-Value |
|----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat  | 5252.980    | 404.859 | 12.975 | 0%      |
| mStructComRev.XCool  | 1687.026    | 110.473 | 15.271 | 0%      |
| mStructComRev.XOther | 232.953     | 2.886   | 80.724 | 0%      |
| mBin.Yr2010          | 391.902     | 58.604  | 6.687  | 0%      |
| mBin.Oct15           | -1272.631   | 199.320 | -6.385 | 0%      |
| mBin.Nov2012         | -352.113    | 198.719 | -1.772 | 8%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 275      |
| Deg. of Freedom for Error | 269      |
| R-Squared                 | 0.756    |
| Adjusted R-Squared        | 0.752    |
| AIC                       | 10.599   |
| BIC                       | 10.678   |
| F-Statistic               | 139.014  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1841.59 |
| Model Sum of Squares      | 32733486 |
| Sum of Squared Errors     | 10556889 |
| Mean Squared Error        | 39244.94 |
| Std. Error of Regression  | 198.10   |
| Mean Abs. Dev. (MAD)      | 157.66   |
| Mean Abs. % Err. (MAPE)   | 4.68%    |
| Durbin-Watson Statistic   | 1.113    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 371.67   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.403    |
| Kurtosis                  | 3.145    |
| Jarque-Bera               | 7.704    |
| Prob (Jarque-Bera)        | 0.021    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 5252.980    | 0.045  | 0.070  |
| mStructComRev.XCool  | 1687.026    | 0.153  | 0.077  |
| mStructComRev.XOther | 232.953     | 12.175 | 0.849  |
| mBin.Yr2010          | 391.902     | 0.044  | 0.005  |
| mBin.Oct15           | -1272.631   | 0.004  | -0.001 |
| mBin.Nov2012         | -352.113    | 0.004  | -0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2009:12  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr   | T-Stat | P-Value |
|-------------------|-------------|----------|--------|---------|
| mBin.Jan          | 5806.896    | 476.371  | 12.190 | 0%      |
| mBin.Feb          | 5545.900    | 476.371  | 11.642 | 0%      |
| mBin.Mar          | 6284.066    | 476.371  | 13.192 | 0%      |
| mBin.Apr          | 5927.430    | 476.371  | 12.443 | 0%      |
| mBin.May          | 6604.188    | 476.371  | 13.864 | 0%      |
| mBin.Jun          | 6964.688    | 476.371  | 14.620 | 0%      |
| mBin.Jul          | 7071.868    | 476.371  | 14.845 | 0%      |
| mBin.Aug          | 7409.176    | 476.371  | 15.553 | 0%      |
| mBin.Sep          | 6903.193    | 476.371  | 14.491 | 0%      |
| mBin.Oct          | 6070.188    | 482.430  | 12.583 | 0%      |
| mBin.Nov          | 5468.092    | 482.430  | 11.334 | 0%      |
| mBin.Dec          | 5291.638    | 465.683  | 11.363 | 0%      |
| mBin.AfterOct2023 | 9944.956    | 1067.015 | 9.320  | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 1          |
| Adjusted Observations     | 169        |
| Deg. of Freedom for Error | 156        |
| R-Squared                 | 0.399      |
| Adjusted R-Squared        | 0.353      |
| AIC                       | 15.045     |
| BIC                       | 15.286     |
| F-Statistic               | 7.963      |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1498.12   |
| Model Sum of Squares      | 328880339  |
| Sum of Squared Errors     | 495614073  |
| Mean Squared Error        | 3177013.29 |
| Std. Error of Regression  | 1782.42    |
| Mean Abs. Dev. (MAD)      | 977.09     |
| Mean Abs. % Err. (MAPE)   | 13.64%     |
| Durbin-Watson Statistic   | 0.197      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 719.63     |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | 3.016      |
| Kurtosis                  | 12.951     |
| Jarque-Bera               | 953.639    |
| Prob (Jarque-Bera)        | 0.000      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 5806.896    | 0.083 | 0.075 |
| mBin.Feb | 5545.900    | 0.083 | 0.071 |
| mBin.Mar | 6284.066    | 0.083 | 0.081 |
| mBin.Apr | 5927.430    | 0.083 | 0.076 |
| mBin.May | 6604.188    | 0.083 | 0.085 |

| Variable          | Coefficient | Mean  | Elast |
|-------------------|-------------|-------|-------|
| mBin.Jun          | 6964.688    | 0.083 | 0.089 |
| mBin.Jul          | 7071.868    | 0.083 | 0.091 |
| mBin.Aug          | 7409.176    | 0.083 | 0.095 |
| mBin.Sep          | 6903.193    | 0.083 | 0.089 |
| mBin.Oct          | 6070.188    | 0.083 | 0.078 |
| mBin.Nov          | 5468.092    | 0.083 | 0.070 |
| mBin.Dec          | 5291.638    | 0.089 | 0.073 |
| mBin.AfterOct2023 | 9944.956    | 0.018 | 0.027 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2015:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr    | T-Stat | P-Value |
|----------|-------------|-----------|--------|---------|
| CONST    | 73414.150   | 25839.259 | 2.841  | 1%      |
| Econ.Pop | -531.692    | 203.497   | -2.613 | 1%      |
| Econ.HH  | 840.380     | 53.835    | 15.610 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 108      |
| Deg. of Freedom for Error | 105      |
| R-Squared                 | 0.710    |
| Adjusted R-Squared        | 0.704    |
| AIC                       | 11.528   |
| BIC                       | 11.603   |
| F-Statistic               | 128.440  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -772.77  |
| Model Sum of Squares      | 25381712 |
| Sum of Squared Errors     | 10374821 |
| Mean Squared Error        | 98807.81 |
| Std. Error of Regression  | 314.34   |
| Mean Abs. Dev. (MAD)      | 247.79   |
| Mean Abs. % Err. (MAPE)   | 0.51%    |
| Durbin-Watson Statistic   | 0.143    |
| Durbin-H Statistic        | 0.087    |
| Ljung-Box Statistic       | 518.96   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 1.055    |
| Kurtosis                  | 3.015    |
| Jarque-Bera               | 20.045   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean    | Elast  |
|----------|-------------|---------|--------|
| Econ.Pop | -531.692    | 125.458 | -1.384 |
| Econ.HH  | 840.380     | 49.377  | 0.861  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat  | P-Value |
|-----------------|-------------|--------|---------|---------|
| ResCusts.Filled | 0.078       | 0.000  | 296.017 | 0%      |
| mBin.Feb2019    | 252.775     | 9.261  | 27.295  | 0%      |
| mBin.Feb2016    | 61.786      | 9.261  | 6.672   | 0%      |
| AR(1)           | 0.956       | 0.025  | 38.296  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 27      |
| Adjusted Observations     | 108     |
| Deg. of Freedom for Error | 104     |
| R-Squared                 | 0.908   |
| Adjusted R-Squared        | 0.905   |
| AIC                       | 5.593   |
| BIC                       | 5.692   |
| F-Statistic               | 255.236 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -451.25 |
| Model Sum of Squares      | 264277  |
| Sum of Squared Errors     | 26921   |
| Mean Squared Error        | 258.86  |
| Std. Error of Regression  | 16.09   |
| Mean Abs. Dev. (MAD)      | 12.29   |
| Mean Abs. % Err. (MAPE)   | 0.33%   |
| Durbin-Watson Statistic   | 2.193   |
| Durbin-H Statistic        | -0.148  |
| Ljung-Box Statistic       | 18.50   |
| Prob (Ljung-Box)          | 0.778   |
| Skewness                  | -0.112  |
| Kurtosis                  | 3.149   |
| Jarque-Bera               | 0.325   |
| Prob (Jarque-Bera)        | 0.850   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.078       | 48204.583 | 1.012 |
| mBin.Feb2019    | 252.775     | 0.009     | 0.001 |
| mBin.Feb2016    | 61.786      | 0.009     | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Jacks  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:07 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.000       | 0.000  | 0.000  | 0%      |
| mPeakVars.CoolingVar | 0.000       | 0.000  | 0.000  | 0%      |
| mPeakVars.BaseVar    | 0.000       | 0.000  | 0.000  | 0%      |
| mBin.Yr2016Plus      | 181.540     | 0.000  | 0.000  | 0%      |
| mBin.Oct14           | 128.753     | 0.000  | 0.000  | 4%      |
| mBin.Feb15           | 325.333     | 0.000  | 0.000  | 2%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 0         |
| Deg. of Freedom for Error | -6        |
| R-Squared                 | 1.000     |
| Adjusted R-Squared        | 1.000     |
| AIC                       | nan       |
| BIC                       | nan       |
| F-Statistic               | 0.000     |
| Prob (F-Statistic)        | 1.000     |
| Log-Likelihood            | nan       |
| Model Sum of Squares      | 0         |
| Sum of Squared Errors     | 0         |
| Mean Squared Error        | -0.00     |
| Std. Error of Regression  | -0.00     |
| Mean Abs. Dev. (MAD)      | 0.00      |
| Mean Abs. % Err. (MAPE)   | 0.00%     |
| Durbin-Watson Statistic   | 0.000     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | nan       |
| Prob (Ljung-Box)          | -nan(ind) |
| Skewness                  | nan       |
| Kurtosis                  | -nan(ind) |
| Jarque-Bera               | -nan(ind) |
| Prob (Jarque-Bera)        | nan       |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean  | Elast |
|----------------------|-------------|-------|-------|
| mPeakVars.HeatingVar | 0.000       | nan   | nan   |
| mPeakVars.CoolingVar | 0.000       | nan   | nan   |
| mPeakVars.BaseVar    | 0.000       | nan   | nan   |
| mBin.Yr2016Plus      | 181.540     | 0.571 | 0.567 |
| mBin.Oct14           | 128.753     | 0.006 | 0.004 |
| mBin.Feb15           | 325.333     | 0.006 | 0.011 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Licking  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.064       | 0.040  | 26.833 | 0%      |
| mStructResRev.XCool  | 1.064       | 0.080  | 13.376 | 0%      |
| mStructResRev.XOther | 1.064       | 0.029  | 36.358 | 0%      |
| mBin.Yr2016Plus      | -74.525     | 12.995 | -5.735 | 0%      |
| mBin.Feb             | -89.137     | 23.698 | -3.761 | 0%      |
| mBin.Mar             | -142.068    | 23.236 | -6.114 | 0%      |
| mBin.Apr             | -108.541    | 23.603 | -4.599 | 0%      |
| mBin.Nov             | 78.640      | 23.008 | 3.418  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 136     |
| R-Squared                 | 0.906   |
| Adjusted R-Squared        | 0.901   |
| AIC                       | 8.583   |
| BIC                       | 8.748   |
| F-Statistic               | 163.311 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -814.34 |
| Model Sum of Squares      | 6613569 |
| Sum of Squared Errors     | 688447  |
| Mean Squared Error        | 5062.11 |
| Std. Error of Regression  | 71.15   |
| Mean Abs. Dev. (MAD)      | 53.63   |
| Mean Abs. % Err. (MAPE)   | 5.61%   |
| Durbin-Watson Statistic   | 1.951   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 60.75   |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.408   |
| Kurtosis                  | 3.356   |
| Jarque-Bera               | 4.747   |
| Prob (Jarque-Bera)        | 0.093   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.064       | 220.090 | 0.242  |
| mStructResRev.XCool  | 1.064       | 96.019  | 0.106  |
| mStructResRev.XOther | 1.064       | 659.016 | 0.726  |
| mBin.Yr2016Plus      | -74.525     | 0.667   | -0.051 |
| mBin.Feb             | -89.137     | 0.083   | -0.008 |
| mBin.Mar             | -142.068    | 0.083   | -0.012 |
| mBin.Apr             | -108.541    | 0.083   | -0.009 |
| mBin.Nov             | 78.640      | 0.083   | 0.007  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Lickin  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat | P-Value |
|----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat  | 8921.874    | 587.431 | 15.188 | 0%      |
| mStructComRev.XCool  | 2172.122    | 163.420 | 13.292 | 0%      |
| mStructComRev.XOther | 243.830     | 5.008   | 48.693 | 0%      |
| mBin.Yr2013          | -324.073    | 66.435  | -4.878 | 0%      |
| mBin.Yr2015Plus      | 166.746     | 36.784  | 4.533  | 0%      |
| mBin.Dec13           | -933.631    | 192.191 | -4.858 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 138      |
| R-Squared                 | 0.727    |
| Adjusted R-Squared        | 0.717    |
| AIC                       | 10.454   |
| BIC                       | 10.577   |
| F-Statistic               | 61.223   |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -950.99  |
| Model Sum of Squares      | 12226187 |
| Sum of Squared Errors     | 4593098  |
| Mean Squared Error        | 33283.32 |
| Std. Error of Regression  | 182.44   |
| Mean Abs. Dev. (MAD)      | 130.13   |
| Mean Abs. % Err. (MAPE)   | 3.79%    |
| Durbin-Watson Statistic   | 1.560    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 29.99    |
| Prob (Ljung-Box)          | 0.185    |
| Skewness                  | -0.029   |
| Kurtosis                  | 6.521    |
| Jarque-Bera               | 74.384   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 8921.874    | 0.038  | 0.098  |
| mStructComRev.XCool  | 2172.122    | 0.141  | 0.090  |
| mStructComRev.XOther | 243.830     | 10.995 | 0.785  |
| mBin.Yr2013          | -324.073    | 0.083  | -0.008 |
| mBin.Yr2015Plus      | 166.746     | 0.750  | 0.037  |
| mBin.Dec13           | -933.631    | 0.007  | -0.002 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Lickin  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr  | T-Stat | P-Value |
|------------------|-------------|---------|--------|---------|
| CONST            | 1197.987    | 46.591  | 25.713 | 0%      |
| mBin.Oct2023Plus | 8138.537    | 322.795 | 25.213 | 0%      |

### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 144       |
| Deg. of Freedom for Error | 142       |
| R-Squared                 | 0.817     |
| Adjusted R-Squared        | 0.816     |
| AIC                       | 12.645    |
| BIC                       | 12.687    |
| F-Statistic               | 635.681   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1112.79  |
| Model Sum of Squares      | 194567621 |
| Sum of Squared Errors     | 43462989  |
| Mean Squared Error        | 306077.38 |
| Std. Error of Regression  | 553.24    |
| Mean Abs. Dev. (MAD)      | 256.19    |
| Mean Abs. % Err. (MAPE)   | 19.68%    |
| Durbin-Watson Statistic   | 1.579     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 19.76     |
| Prob (Ljung-Box)          | 0.710     |
| Skewness                  | 7.679     |
| Kurtosis                  | 78.311    |
| Jarque-Bera               | 35445.616 |
| Prob (Jarque-Bera)        | 0.000     |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean  | Elast |
|------------------|-------------|-------|-------|
| mBin.Oct2023Plus | 8138.537    | 0.021 | 0.124 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Lickin  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr  | T-Stat | P-Value |
|------------------|-------------|---------|--------|---------|
| CONST            | 20943.924   | 960.141 | 21.813 | 0%      |
| Econ.HH          | -304.168    | 63.556  | -4.786 | 0%      |
| mBin.Dec2023Plus | 410.081     | 129.367 | 3.170  | 0%      |
| mBin.Year2018    | -134.355    | 39.440  | -3.407 | 0%      |
| mBin.Year2019    | -175.295    | 39.400  | -4.449 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 120      |
| Deg. of Freedom for Error | 115      |
| R-Squared                 | 0.352    |
| Adjusted R-Squared        | 0.330    |
| AIC                       | 9.754    |
| BIC                       | 9.870    |
| F-Statistic               | 15.647   |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -750.52  |
| Model Sum of Squares      | 1034935  |
| Sum of Squared Errors     | 1901628  |
| Mean Squared Error        | 16535.90 |
| Std. Error of Regression  | 128.59   |
| Mean Abs. Dev. (MAD)      | 90.21    |
| Mean Abs. % Err. (MAPE)   | 0.55%    |
| Durbin-Watson Statistic   | 0.160    |
| Durbin-H Statistic        | 1.166    |
| Ljung-Box Statistic       | 655.62   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 1.173    |
| Kurtosis                  | 4.528    |
| Jarque-Bera               | 39.189   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean   | Elast  |
|------------------|-------------|--------|--------|
| Econ.HH          | -304.168    | 15.108 | -0.282 |
| mBin.Dec2023Plus | 410.081     | 0.008  | 0.000  |
| mBin.Year2018    | -134.355    | 0.100  | -0.001 |
| mBin.Year2019    | -175.295    | 0.100  | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Lickin  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr  | T-Stat | P-Value |
|------------------|-------------|---------|--------|---------|
| CONST            | 1889.362    | 216.567 | 8.724  | 0%      |
| ResCusts.Filled  | -0.049      | 0.013   | -3.666 | 0%      |
| mBin.Dec2023Plus | 7.940       | 22.838  | 0.348  | 73%     |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 120     |
| Deg. of Freedom for Error | 117     |
| R-Squared                 | 0.105   |
| Adjusted R-Squared        | 0.090   |
| AIC                       | 6.212   |
| BIC                       | 6.282   |
| F-Statistic               | 6.877   |
| Prob (F-Statistic)        | 0.005   |
| Log-Likelihood            | -540.02 |
| Model Sum of Squares      | 6695    |
| Sum of Squared Errors     | 56953   |
| Mean Squared Error        | 486.77  |
| Std. Error of Regression  | 22.06   |
| Mean Abs. Dev. (MAD)      | 14.01   |
| Mean Abs. % Err. (MAPE)   | 1.26%   |
| Durbin-Watson Statistic   | 0.064   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 558.32  |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 1.944   |
| Kurtosis                  | 6.524   |
| Jarque-Bera               | 137.687 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean      | Elast  |
|------------------|-------------|-----------|--------|
| ResCusts.Filled  | -0.049      | 16320.917 | -0.725 |
| mBin.Dec2023Plus | 7.940       | 0.008     | 0.000  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Lickin  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.693       | 0.038  | 18.095 | 0%      |
| mPeakVars.CoolingVar | 1.440       | 0.103  | 13.972 | 0%      |
| mPeakVars.BaseVar    | 0.206       | 0.005  | 37.567 | 0%      |
| mBin.Yr2016Plus      | -2.063      | 0.812  | -2.541 | 1%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 141     |
| R-Squared                 | 0.781   |
| Adjusted R-Squared        | 0.776   |
| AIC                       | 3.090   |
| BIC                       | 3.172   |
| F-Statistic               | 125.652 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -425.78 |
| Model Sum of Squares      | 10750   |
| Sum of Squared Errors     | 3016    |
| Mean Squared Error        | 21.39   |
| Std. Error of Regression  | 4.62    |
| Mean Abs. Dev. (MAD)      | 3.54    |
| Mean Abs. % Err. (MAPE)   | 6.87%   |
| Durbin-Watson Statistic   | 1.425   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 39.00   |
| Prob (Ljung-Box)          | 0.027   |
| Skewness                  | -0.129  |
| Kurtosis                  | 3.516   |
| Jarque-Bera               | 2.009   |
| Prob (Jarque-Bera)        | 0.366   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 0.693       | 12.993  | 0.176  |
| mPeakVars.CoolingVar | 1.440       | 3.689   | 0.104  |
| mPeakVars.BaseVar    | 0.206       | 183.571 | 0.741  |
| mBin.Yr2016Plus      | -2.063      | 0.669   | -0.027 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.062       | 0.019  | 55.699 | 0%      |
| mStructResRev.XCool  | 1.062       | 0.028  | 38.165 | 0%      |
| mStructResRev.XOther | 1.062       | 0.018  | 58.873 | 0%      |
| mBin.Yr2015Plus      | -43.762     | 11.843 | -3.695 | 0%      |
| mBin.Yr2018Plus      | -21.526     | 10.235 | -2.103 | 4%      |
| mBin.Mar             | -124.169    | 15.710 | -7.904 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 138     |
| R-Squared                 | 0.965   |
| Adjusted R-Squared        | 0.964   |
| AIC                       | 7.870   |
| BIC                       | 7.994   |
| F-Statistic               | 640.720 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -764.99 |
| Model Sum of Squares      | 9663977 |
| Sum of Squared Errors     | 346909  |
| Mean Squared Error        | 2513.83 |
| Std. Error of Regression  | 50.14   |
| Mean Abs. Dev. (MAD)      | 38.07   |
| Mean Abs. % Err. (MAPE)   | 3.15%   |
| Durbin-Watson Statistic   | 2.292   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 36.40   |
| Prob (Ljung-Box)          | 0.050   |
| Skewness                  | 0.480   |
| Kurtosis                  | 3.303   |
| Jarque-Bera               | 6.080   |
| Prob (Jarque-Bera)        | 0.048   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.062       | 283.237 | 0.247  |
| mStructResRev.XCool  | 1.062       | 182.848 | 0.160  |
| mStructResRev.XOther | 1.062       | 729.812 | 0.637  |
| mBin.Yr2015Plus      | -43.762     | 0.750   | -0.027 |
| mBin.Yr2018Plus      | -21.526     | 0.500   | -0.009 |
| mBin.Mar             | -124.169    | 0.083   | -0.009 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat | P-Value |
|----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat  | 12449.261   | 824.757 | 15.094 | 0%      |
| mStructComRev.XCool  | 7017.843    | 255.280 | 27.491 | 0%      |
| mStructComRev.XOther | 633.733     | 6.718   | 94.329 | 0%      |
| mBin.Yr2018Plus      | 516.052     | 57.769  | 8.933  | 0%      |
| MA(1)                | 0.366       | 0.077   | 4.785  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 8         |
| Adjusted Observations     | 168       |
| Deg. of Freedom for Error | 163       |
| R-Squared                 | 0.908     |
| Adjusted R-Squared        | 0.906     |
| AIC                       | 11.293    |
| BIC                       | 11.386    |
| F-Statistic               | 322.968   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1181.98  |
| Model Sum of Squares      | 125840080 |
| Sum of Squared Errors     | 12702132  |
| Mean Squared Error        | 77927.19  |
| Std. Error of Regression  | 279.15    |
| Mean Abs. Dev. (MAD)      | 214.91    |
| Mean Abs. % Err. (MAPE)   | 2.40%     |
| Durbin-Watson Statistic   | 1.822     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 55.54     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -0.210    |
| Kurtosis                  | 3.539     |
| Jarque-Bera               | 3.264     |
| Prob (Jarque-Bera)        | 0.196     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast |
|----------------------|-------------|--------|-------|
| mStructComRev.XHeat  | 12449.261   | 0.039  | 0.055 |
| mStructComRev.XCool  | 7017.843    | 0.147  | 0.116 |
| mStructComRev.XOther | 633.733     | 11.362 | 0.805 |
| mBin.Yr2018Plus      | 516.052     | 0.429  | 0.025 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr  | T-Stat | P-Value |
|----------|-------------|---------|--------|---------|
| mBin.Jan | 12810.745   | 838.021 | 15.287 | 0%      |
| mBin.Feb | 11834.081   | 837.397 | 14.132 | 0%      |
| mBin.Mar | 12954.587   | 836.848 | 15.480 | 0%      |
| mBin.Apr | 12313.429   | 836.366 | 14.723 | 0%      |
| mBin.May | 12695.164   | 835.941 | 15.187 | 0%      |
| mBin.Jun | 12751.003   | 835.567 | 15.260 | 0%      |
| mBin.Jul | 12721.133   | 835.237 | 15.231 | 0%      |
| mBin.Aug | 13715.839   | 834.946 | 16.427 | 0%      |
| mBin.Sep | 13093.429   | 834.689 | 15.687 | 0%      |
| mBin.Oct | 13530.029   | 834.462 | 16.214 | 0%      |
| mBin.Nov | 12450.907   | 834.261 | 14.924 | 0%      |
| mBin.Dec | 11723.308   | 834.084 | 14.055 | 0%      |
| AR(1)    | 0.935       | 0.029   | 32.528 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 6         |
| Adjusted Observations     | 167       |
| Deg. of Freedom for Error | 154       |
| R-Squared                 | 0.883     |
| Adjusted R-Squared        | 0.874     |
| AIC                       | 13.138    |
| BIC                       | 13.381    |
| F-Statistic               | 89.694    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1321.00  |
| Model Sum of Squares      | 549680494 |
| Sum of Squared Errors     | 72598185  |
| Mean Squared Error        | 471416.79 |
| Std. Error of Regression  | 686.60    |
| Mean Abs. Dev. (MAD)      | 431.02    |
| Mean Abs. % Err. (MAPE)   | 3.73%     |
| Durbin-Watson Statistic   | 1.825     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 39.85     |
| Prob (Ljung-Box)          | 0.022     |
| Skewness                  | 0.274     |
| Kurtosis                  | 16.690    |
| Jarque-Bera               | 1306.117  |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 12810.745   | 0.083 | 0.084 |
| mBin.Feb | 11834.081   | 0.083 | 0.077 |
| mBin.Mar | 12954.587   | 0.083 | 0.085 |
| mBin.Apr | 12313.429   | 0.083 | 0.080 |
| mBin.May | 12695.164   | 0.083 | 0.083 |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jun | 12751.003   | 0.083 | 0.083 |
| mBin.Jul | 12721.133   | 0.083 | 0.083 |
| mBin.Aug | 13715.839   | 0.083 | 0.090 |
| mBin.Sep | 13093.429   | 0.083 | 0.086 |
| mBin.Oct | 13530.029   | 0.083 | 0.088 |
| mBin.Nov | 12450.907   | 0.083 | 0.081 |
| mBin.Dec | 11723.308   | 0.083 | 0.077 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr | T-Stat  | P-Value |
|----------|-------------|--------|---------|---------|
| Econ.HH  | 855.963     | 6.681  | 128.115 | 0%      |
| AR(1)    | 0.974       | 0.017  | 55.690  | 0%      |

### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 6         |
| Adjusted Observations     | 167       |
| Deg. of Freedom for Error | 165       |
| R-Squared                 | 0.995     |
| Adjusted R-Squared        | 0.995     |
| AIC                       | 8.962     |
| BIC                       | 8.999     |
| F-Statistic               | 17425.575 |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -983.25   |
| Model Sum of Squares      | 268529469 |
| Sum of Squared Errors     | 1271331   |
| Mean Squared Error        | 7705.04   |
| Std. Error of Regression  | 87.78     |
| Mean Abs. Dev. (MAD)      | 58.13     |
| Mean Abs. % Err. (MAPE)   | 0.18%     |
| Durbin-Watson Statistic   | 2.243     |
| Durbin-H Statistic        | 0.037     |
| Ljung-Box Statistic       | 37.18     |
| Prob (Ljung-Box)          | 0.042     |
| Skewness                  | -0.881    |
| Kurtosis                  | 12.849    |
| Jarque-Bera               | 696.610   |
| Prob (Jarque-Bera)        | 0.000     |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean   | Elast |
|----------|-------------|--------|-------|
| Econ.HH  | 855.963     | 38.423 | 0.998 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr | T-Stat  | P-Value |
|-------------------|-------------|--------|---------|---------|
| ResCusts.Filled   | 0.061       | 0.000  | 274.942 | 0%      |
| mBin.Dec2023Plus  | 250.973     | 79.131 | 3.172   | 0%      |
| mBin.Year2020Plus | 5.603       | 13.723 | 0.408   | 68%     |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 168     |
| Deg. of Freedom for Error | 165     |
| R-Squared                 | 0.347   |
| Adjusted R-Squared        | 0.339   |
| AIC                       | 8.739   |
| BIC                       | 8.795   |
| F-Statistic               | 29.175  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -969.44 |
| Model Sum of Squares      | 536637  |
| Sum of Squared Errors     | 1011644 |
| Mean Squared Error        | 6131.18 |
| Std. Error of Regression  | 78.30   |
| Mean Abs. Dev. (MAD)      | 64.96   |
| Mean Abs. % Err. (MAPE)   | 3.20%   |
| Durbin-Watson Statistic   | 0.166   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 1009.95 |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.988   |
| Kurtosis                  | 3.159   |
| Jarque-Bera               | 27.531  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable          | Coefficient | Mean      | Elast |
|-------------------|-------------|-----------|-------|
| ResCusts.Filled   | 0.061       | 32954.500 | 0.998 |
| mBin.Dec2023Plus  | 250.973     | 0.006     | 0.001 |
| mBin.Year2020Plus | 5.603       | 0.286     | 0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 2.053       | 0.084  | 24.366 | 0%      |
| mPeakVars.CoolingVar | 3.680       | 0.170  | 21.706 | 0%      |
| mPeakVars.BaseVar    | 0.249       | 0.006  | 39.402 | 0%      |
| mBin.Yr2016Plus      | -3.472      | 1.571  | -2.209 | 3%      |
| mBin.Mar             | 17.396      | 2.853  | 6.098  | 0%      |
| mBin.May             | -5.044      | 2.779  | -1.815 | 7%      |
| mBin.Nov             | -4.400      | 2.807  | -1.568 | 12%     |
| mBin.Mar16           | -23.532     | 9.197  | -2.559 | 1%      |
| mBin.Apr18           | 24.211      | 8.942  | 2.708  | 1%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 136     |
| R-Squared                 | 0.900   |
| Adjusted R-Squared        | 0.895   |
| AIC                       | 4.407   |
| BIC                       | 4.592   |
| F-Statistic               | 136.614 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -516.24 |
| Model Sum of Squares      | 94954   |
| Sum of Squared Errors     | 10503   |
| Mean Squared Error        | 77.23   |
| Std. Error of Regression  | 8.79    |
| Mean Abs. Dev. (MAD)      | 6.63    |
| Mean Abs. % Err. (MAPE)   | 4.47%   |
| Durbin-Watson Statistic   | 1.677   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 14.29   |
| Prob (Ljung-Box)          | 0.940   |
| Skewness                  | 0.263   |
| Kurtosis                  | 4.876   |
| Jarque-Bera               | 22.944  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 2.053       | 13.285  | 0.188  |
| mPeakVars.CoolingVar | 3.680       | 5.772   | 0.147  |
| mPeakVars.BaseVar    | 0.249       | 393.116 | 0.676  |
| mBin.Yr2016Plus      | -3.472      | 0.669   | -0.016 |
| mBin.Mar             | 17.396      | 0.083   | 0.010  |
| mBin.May             | -5.044      | 0.083   | -0.003 |
| mBin.Nov             | -4.400      | 0.083   | -0.003 |
| mBin.Mar16           | -23.532     | 0.007   | -0.001 |
| mBin.Apr18           | 24.211      | 0.007   | 0.001  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr | T-Stat | P-Value |
|----------|-------------|--------|--------|---------|
| mBin.Jan | 133.691     | 5.894  | 22.684 | 0%      |
| mBin.Feb | 126.948     | 5.887  | 21.563 | 0%      |
| mBin.Mar | 127.554     | 5.882  | 21.685 | 0%      |
| mBin.Apr | 122.747     | 5.878  | 20.883 | 0%      |
| mBin.May | 120.695     | 5.874  | 20.547 | 0%      |
| mBin.Jun | 118.842     | 5.871  | 20.242 | 0%      |
| mBin.Jul | 120.073     | 5.868  | 20.461 | 0%      |
| mBin.Aug | 122.537     | 5.866  | 20.889 | 0%      |
| mBin.Sep | 124.930     | 5.864  | 21.304 | 0%      |
| mBin.Oct | 129.293     | 5.862  | 22.055 | 0%      |
| mBin.Nov | 130.986     | 5.861  | 22.349 | 0%      |
| mBin.Dec | 133.421     | 5.860  | 22.769 | 0%      |
| AR(1)    | 0.920       | 0.032  | 29.114 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 6       |
| Adjusted Observations     | 167     |
| Deg. of Freedom for Error | 154     |
| R-Squared                 | 0.862   |
| Adjusted R-Squared        | 0.851   |
| AIC                       | 3.619   |
| BIC                       | 3.861   |
| F-Statistic               | 73.719  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -526.11 |
| Model Sum of Squares      | 33161   |
| Sum of Squared Errors     | 5329    |
| Mean Squared Error        | 34.60   |
| Std. Error of Regression  | 5.88    |
| Mean Abs. Dev. (MAD)      | 3.97    |
| Mean Abs. % Err. (MAPE)   | 3.29%   |
| Durbin-Watson Statistic   | 1.636   |
| Durbin-H Statistic        | 0.289   |
| Ljung-Box Statistic       | 259.27  |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.247   |
| Kurtosis                  | 8.017   |
| Jarque-Bera               | 176.803 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 133.691     | 0.083 | 0.089 |
| mBin.Feb | 126.948     | 0.083 | 0.084 |
| mBin.Mar | 127.554     | 0.083 | 0.085 |
| mBin.Apr | 122.747     | 0.083 | 0.081 |
| mBin.May | 120.695     | 0.083 | 0.080 |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jun | 118.842     | 0.083 | 0.079 |
| mBin.Jul | 120.073     | 0.083 | 0.080 |
| mBin.Aug | 122.537     | 0.083 | 0.081 |
| mBin.Sep | 124.930     | 0.083 | 0.083 |
| mBin.Oct | 129.293     | 0.083 | 0.086 |
| mBin.Nov | 130.986     | 0.083 | 0.087 |
| mBin.Dec | 133.421     | 0.083 | 0.088 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Nolin.  
**Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:08 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr | T-Stat  | P-Value |
|------------------|-------------|--------|---------|---------|
| CONST            | 33.311      | 0.104  | 321.393 | 0%      |
| mBin.Dec2023Plus | 0.689       | 1.343  | 0.513   | 61%     |

### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 168     |
| Deg. of Freedom for Error | 166     |
| R-Squared                 | 0.002   |
| Adjusted R-Squared        | -0.004  |
| AIC                       | 0.596   |
| BIC                       | 0.633   |
| F-Statistic               | 0.263   |
| Prob (F-Statistic)        | 0.609   |
| Log-Likelihood            | -286.47 |
| Model Sum of Squares      | 0       |
| Sum of Squared Errors     | 298     |
| Mean Squared Error        | 1.79    |
| Std. Error of Regression  | 1.34    |
| Mean Abs. Dev. (MAD)      | 1.07    |
| Mean Abs. % Err. (MAPE)   | 3.21%   |
| Durbin-Watson Statistic   | 0.190   |
| Durbin-H Statistic        | -0.689  |
| Ljung-Box Statistic       | 675.18  |
| Prob (Ljung-Box)          | 0.000   |
| Skewness                  | 0.340   |
| Kurtosis                  | 2.560   |
| Jarque-Bera               | 4.591   |
| Prob (Jarque-Bera)        | 0.101   |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean  | Elast |
|------------------|-------------|-------|-------|
| mBin.Dec2023Plus | 0.689       | 0.006 | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2013:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.111       | 0.047  | 23.448 | 0%      |
| mStructResRev.XCool  | 1.111       | 0.051  | 21.921 | 0%      |
| mStructResRev.XOther | 1.111       | 0.042  | 26.640 | 0%      |
| mBin.Yr16Plus        | -69.839     | 18.570 | -3.761 | 0%      |
| mBin.Feb13           | -181.680    | 90.524 | -2.007 | 5%      |
| mBin.Jun13           | -307.151    | 90.289 | -3.402 | 0%      |
| mBin.Oct14           | -264.430    | 90.860 | -2.910 | 0%      |
| mBin.Mar15           | -219.098    | 90.349 | -2.425 | 2%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 132     |
| Deg. of Freedom for Error | 124     |
| R-Squared                 | 0.850   |
| Adjusted R-Squared        | 0.841   |
| AIC                       | 9.027   |
| BIC                       | 9.202   |
| F-Statistic               | 87.806  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -775.10 |
| Model Sum of Squares      | 5516318 |
| Sum of Squared Errors     | 973774  |
| Mean Squared Error        | 7853.02 |
| Std. Error of Regression  | 88.62   |
| Mean Abs. Dev. (MAD)      | 63.88   |
| Mean Abs. % Err. (MAPE)   | 6.08%   |
| Durbin-Watson Statistic   | 2.448   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 21.97   |
| Prob (Ljung-Box)          | 0.581   |
| Skewness                  | 0.164   |
| Kurtosis                  | 4.260   |
| Jarque-Bera               | 9.322   |
| Prob (Jarque-Bera)        | 0.009   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.111       | 245.558 | 0.249  |
| mStructResRev.XCool  | 1.111       | 180.782 | 0.183  |
| mStructResRev.XOther | 1.111       | 611.552 | 0.620  |
| mBin.Yr16Plus        | -69.839     | 0.727   | -0.046 |
| mBin.Feb13           | -181.680    | 0.008   | -0.001 |
| mBin.Jun13           | -307.151    | 0.008   | -0.002 |
| mBin.Oct14           | -264.430    | 0.008   | -0.002 |
| mBin.Mar15           | -219.098    | 0.008   | -0.002 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 29670.709   | 7175.099 | 4.135  | 0%      |
| mStructComRev.XCool  | 11399.090   | 1595.111 | 7.146  | 0%      |
| mStructComRev.XOther | 1215.463    | 67.686   | 17.957 | 0%      |
| AR(1)                | 0.804       | 0.059    | 13.738 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 11         |
| Adjusted Observations     | 119        |
| Deg. of Freedom for Error | 115        |
| R-Squared                 | 0.476      |
| Adjusted R-Squared        | 0.463      |
| AIC                       | 14.654     |
| BIC                       | 14.748     |
| F-Statistic               | 26.139     |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1036.79   |
| Model Sum of Squares      | 234050462  |
| Sum of Squared Errors     | 257429004  |
| Mean Squared Error        | 2238513.07 |
| Std. Error of Regression  | 1496.17    |
| Mean Abs. Dev. (MAD)      | 1195.65    |
| Mean Abs. % Err. (MAPE)   | 6.32%      |
| Durbin-Watson Statistic   | 2.740      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 154.31     |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | 0.109      |
| Kurtosis                  | 2.800      |
| Jarque-Bera               | 0.435      |
| Prob (Jarque-Bera)        | 0.804      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast |
|----------------------|-------------|--------|-------|
| mStructComRev.XHeat  | 29670.709   | 0.041  | 0.064 |
| mStructComRev.XCool  | 11399.090   | 0.165  | 0.099 |
| mStructComRev.XOther | 1215.463    | 12.408 | 0.794 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2024:4  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr    | T-Stat | P-Value |
|------------------|-------------|-----------|--------|---------|
| mBin.Yr2015      | -8549.955   | 7467.404  | -1.145 | 25%     |
| mBin.Yr18Plus    | 12907.144   | 6817.100  | 1.893  | 6%      |
| mBin.Jan         | 103430.850  | 6621.257  | 15.621 | 0%      |
| mBin.Feb         | 99831.535   | 6504.303  | 15.349 | 0%      |
| mBin.Mar         | 106026.673  | 6424.158  | 16.504 | 0%      |
| mBin.Apr         | 102915.723  | 6411.127  | 16.053 | 0%      |
| mBin.May         | 104640.046  | 6355.027  | 16.466 | 0%      |
| mBin.Jun         | 100077.357  | 6338.274  | 15.789 | 0%      |
| mBin.Jul         | 104924.404  | 6320.969  | 16.599 | 0%      |
| mBin.Aug         | 110517.878  | 6304.776  | 17.529 | 0%      |
| mBin.Sep         | 103368.614  | 6330.764  | 16.328 | 0%      |
| mBin.Oct         | 106189.444  | 6278.359  | 16.914 | 0%      |
| mBin.Nov         | 105570.223  | 6268.328  | 16.842 | 0%      |
| mBin.Dec         | 96939.884   | 6303.394  | 15.379 | 0%      |
| mBin.Apr13       | -14107.964  | 8845.868  | -1.595 | 11%     |
| mBin.Sep2023     | 9210.760    | 8868.537  | 1.039  | 30%     |
| mBin.Dec2023Plus | 11598.947   | 10791.424 | 1.075  | 28%     |
| AR(1)            | 0.774       | 0.060     | 12.903 | 0%      |

#### Model Statistics

|                           |              |
|---------------------------|--------------|
| Iterations                | 11           |
| Adjusted Observations     | 147          |
| Deg. of Freedom for Error | 129          |
| R-Squared                 | 0.733        |
| Adjusted R-Squared        | 0.698        |
| AIC                       | 18.683       |
| BIC                       | 19.049       |
| F-Statistic               | 19.720       |
| Prob (F-Statistic)        | 0.000        |
| Log-Likelihood            | -1563.78     |
| Model Sum of Squares      | 41156102340  |
| Sum of Squared Errors     | 14956666504  |
| Mean Squared Error        | 115943151.19 |
| Std. Error of Regression  | 10767.69     |
| Mean Abs. Dev. (MAD)      | 6792.81      |
| Mean Abs. % Err. (MAPE)   | 7.03%        |
| Durbin-Watson Statistic   | 2.133        |
| Durbin-H Statistic        | 0.000        |
| Ljung-Box Statistic       | 40.79        |
| Prob (Ljung-Box)          | 0.018        |
| Skewness                  | -1.208       |
| Kurtosis                  | 11.154       |
| Jarque-Bera               | 443.027      |
| Prob (Jarque-Bera)        | 0.000        |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean | Elast |
|----------|-------------|------|-------|
|----------|-------------|------|-------|

| <b>Variable</b>  | <b>Coefficient</b> | <b>Mean</b> | <b>Elast</b> |
|------------------|--------------------|-------------|--------------|
| mBin.Yr2015      | -8549.955          | 0.081       | -0.006       |
| mBin.Yr18Plus    | 12907.144          | 0.514       | 0.061        |
| mBin.Jan         | 103430.850         | 0.088       | 0.083        |
| mBin.Feb         | 99831.535          | 0.088       | 0.080        |
| mBin.Mar         | 106026.673         | 0.088       | 0.085        |
| mBin.Apr         | 102915.723         | 0.088       | 0.083        |
| mBin.May         | 104640.046         | 0.081       | 0.077        |
| mBin.Jun         | 100077.357         | 0.081       | 0.074        |
| mBin.Jul         | 104924.404         | 0.081       | 0.078        |
| mBin.Aug         | 110517.878         | 0.081       | 0.082        |
| mBin.Sep         | 103368.614         | 0.081       | 0.077        |
| mBin.Oct         | 106189.444         | 0.081       | 0.079        |
| mBin.Nov         | 105570.223         | 0.081       | 0.078        |
| mBin.Dec         | 96939.884          | 0.081       | 0.072        |
| mBin.Apr13       | -14107.964         | 0.007       | -0.001       |
| mBin.Sep2023     | 9210.760           | 0.007       | 0.001        |
| mBin.Dec2023Plus | 11598.947          | 0.034       | 0.004        |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** PubBldgSales  
**Dependent Variable:** mSales.PubBldgSales  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable    | Coefficient | StdErr  | T-Stat | P-Value |
|-------------|-------------|---------|--------|---------|
| mBin.Yr2012 | -96.069     | 60.488  | -1.588 | 11%     |
| mBin.Jan    | 2197.014    | 41.460  | 52.991 | 0%      |
| mBin.Feb    | 2506.099    | 40.342  | 62.121 | 0%      |
| mBin.Mar    | 2253.060    | 40.139  | 56.132 | 0%      |
| mBin.Apr    | 2126.542    | 41.272  | 51.525 | 0%      |
| mBin.May    | 1785.238    | 40.085  | 44.536 | 0%      |
| mBin.Jun    | 2019.774    | 40.082  | 50.391 | 0%      |
| mBin.Jul    | 1786.105    | 40.081  | 44.562 | 0%      |
| mBin.Aug    | 1973.413    | 40.081  | 49.236 | 0%      |
| mBin.Sep    | 2362.660    | 40.080  | 58.948 | 0%      |
| mBin.Oct    | 2216.312    | 40.080  | 55.297 | 0%      |
| mBin.Nov    | 1949.390    | 40.080  | 48.637 | 0%      |
| mBin.Dec    | 2011.202    | 40.080  | 50.179 | 0%      |
| mBin.Apr11  | 369.646     | 126.444 | 2.923  | 0%      |
| AR(1)       | 0.407       | 0.077   | 5.312  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 7        |
| Adjusted Observations     | 155      |
| Deg. of Freedom for Error | 140      |
| R-Squared                 | 0.763    |
| Adjusted R-Squared        | 0.739    |
| AIC                       | 9.851    |
| BIC                       | 10.146   |
| F-Statistic               | 29.988   |
| Prob (F-Statistic)        | -0.000   |
| Log-Likelihood            | -968.41  |
| Model Sum of Squares      | 7790229  |
| Sum of Squared Errors     | 2424581  |
| Mean Squared Error        | 17318.43 |
| Std. Error of Regression  | 131.60   |
| Mean Abs. Dev. (MAD)      | 94.44    |
| Mean Abs. % Err. (MAPE)   | 4.59%    |
| Durbin-Watson Statistic   | 2.041    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 27.16    |
| Prob (Ljung-Box)          | 0.297    |
| Skewness                  | -0.359   |
| Kurtosis                  | 3.975    |
| Jarque-Bera               | 9.465    |
| Prob (Jarque-Bera)        | 0.009    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable    | Coefficient | Mean  | Elast  |
|-------------|-------------|-------|--------|
| mBin.Yr2012 | -96.069     | 0.077 | -0.004 |
| mBin.Jan    | 2197.014    | 0.083 | 0.087  |
| mBin.Feb    | 2506.099    | 0.083 | 0.100  |

| Variable   | Coefficient | Mean  | Elast |
|------------|-------------|-------|-------|
| mBin.Mar   | 2253.060    | 0.083 | 0.090 |
| mBin.Apr   | 2126.542    | 0.083 | 0.085 |
| mBin.May   | 1785.238    | 0.083 | 0.071 |
| mBin.Jun   | 2019.774    | 0.083 | 0.080 |
| mBin.Jul   | 1786.105    | 0.083 | 0.071 |
| mBin.Aug   | 1973.413    | 0.083 | 0.078 |
| mBin.Sep   | 2362.660    | 0.083 | 0.094 |
| mBin.Oct   | 2216.312    | 0.083 | 0.088 |
| mBin.Nov   | 1949.390    | 0.083 | 0.078 |
| mBin.Dec   | 2011.202    | 0.083 | 0.080 |
| mBin.Apr11 | 369.646     | 0.006 | 0.001 |

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| <b>Project:</b>                     | H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\ |
| <b>Exponential Smoothing Model:</b> | SLSales                                                                      |
| <b>Dependent Variable:</b>          | mSales.SLSales                                                               |
| <b>Date:</b>                        | December 06, 2024                                                            |
| <b>Time:</b>                        | 11:12 AM                                                                     |
| <b>Estimation Begin Date:</b>       | 2012:1                                                                       |
| <b>Estimation End Date:</b>         | 2023:12                                                                      |
| <b>Forecast Period End Date:</b>    | 2044:12                                                                      |

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.643       |
| Seasonal | 0.148       |

### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 24      |
| Adjusted Observations     | 144     |
| Deg. of Freedom for Error | 142     |
| R-Squared                 | 0.928   |
| Adjusted R-Squared        | 0.928   |
| AIC                       | 3.374   |
| BIC                       | 3.416   |
| F-Statistic               | 919.897 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -445.27 |
| Model Sum of Squares      | 52991   |
| Sum of Squared Errors     | 4090    |
| Mean Squared Error        | 28.80   |
| Std. Error of Regression  | 5.37    |
| Mean Abs. Dev. (MAD)      | 3.59    |
| Mean Abs. % Err. (MAPE)   | 6.56%   |
| Durbin-Watson Statistic   | 2.011   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 26.44   |
| Prob (Ljung-Box)          | 0.331   |
| Skewness                  | -1.191  |
| Kurtosis                  | 7.957   |
| Jarque-Bera               | 181.5   |
| Prob (Jarque-Bera)        | 0.000   |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr   | T-Stat | P-Value |
|----------|-------------|----------|--------|---------|
| CONST    | -12982.480  | 7535.324 | -1.723 | 9%      |
| Econ.HH  | 760.687     | 78.958   | 9.634  | 0%      |
| AR(1)    | 0.968       | 0.018    | 54.946 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 18         |
| Adjusted Observations     | 167        |
| Deg. of Freedom for Error | 164        |
| R-Squared                 | 0.998      |
| Adjusted R-Squared        | 0.998      |
| AIC                       | 9.693      |
| BIC                       | 9.749      |
| F-Statistic               | 37650.288  |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1043.33   |
| Model Sum of Squares      | 1198635556 |
| Sum of Squared Errors     | 2610554    |
| Mean Squared Error        | 15918.01   |
| Std. Error of Regression  | 126.17     |
| Mean Abs. Dev. (MAD)      | 101.23     |
| Mean Abs. % Err. (MAPE)   | 0.17%      |
| Durbin-Watson Statistic   | 2.063      |
| Durbin-H Statistic        | 0.135      |
| Ljung-Box Statistic       | 158.60     |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | -0.283     |
| Kurtosis                  | 2.613      |
| Jarque-Bera               | 3.276      |
| Prob (Jarque-Bera)        | 0.194      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean   | Elast |
|----------|-------------|--------|-------|
| Econ.HH  | 760.687     | 93.301 | 1.220 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat | P-Value |
|-----------------|-------------|--------|--------|---------|
| CONST           | -486.239    | 95.452 | -5.094 | 0%      |
| ResCusts.Filled | 0.050       | 0.002  | 31.432 | 0%      |
| AR(1)           | 0.652       | 0.070  | 9.309  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 9        |
| Adjusted Observations     | 119      |
| Deg. of Freedom for Error | 116      |
| R-Squared                 | 0.986    |
| Adjusted R-Squared        | 0.986    |
| AIC                       | 5.288    |
| BIC                       | 5.359    |
| F-Statistic               | 4085.566 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -480.52  |
| Model Sum of Squares      | 1578454  |
| Sum of Squared Errors     | 22408    |
| Mean Squared Error        | 193.17   |
| Std. Error of Regression  | 13.90    |
| Mean Abs. Dev. (MAD)      | 10.08    |
| Mean Abs. % Err. (MAPE)   | 0.41%    |
| Durbin-Watson Statistic   | 2.285    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 47.58    |
| Prob (Ljung-Box)          | 0.003    |
| Skewness                  | 0.109    |
| Kurtosis                  | 4.370    |
| Jarque-Bera               | 9.546    |
| Prob (Jarque-Bera)        | 0.008    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.050       | 59342.025 | 1.194 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.540       | 0.197  | 7.802  | 0%      |
| mPeakVars.CoolingVar | 6.199       | 0.736  | 8.420  | 0%      |
| mPeakVars.BaseVar    | 0.147       | 0.003  | 56.411 | 0%      |
| mBin.Nov2023Plus     | 80.381      | 16.973 | 4.736  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 109     |
| Deg. of Freedom for Error | 105     |
| R-Squared                 | 0.759   |
| Adjusted R-Squared        | 0.752   |
| AIC                       | 6.712   |
| BIC                       | 6.810   |
| F-Statistic               | 82.746  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -516.45 |
| Model Sum of Squares      | 262431  |
| Sum of Squared Errors     | 83252   |
| Mean Squared Error        | 792.88  |
| Std. Error of Regression  | 28.16   |
| Mean Abs. Dev. (MAD)      | 19.98   |
| Mean Abs. % Err. (MAPE)   | 5.09%   |
| Durbin-Watson Statistic   | 1.890   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 16.04   |
| Prob (Ljung-Box)          | 0.887   |
| Skewness                  | 1.118   |
| Kurtosis                  | 6.229   |
| Jarque-Bera               | 70.038  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean     | Elast |
|----------------------|-------------|----------|-------|
| mPeakVars.HeatingVar | 1.540       | 14.606   | 0.058 |
| mPeakVars.CoolingVar | 6.199       | 4.060    | 0.065 |
| mPeakVars.BaseVar    | 0.147       | 2276.094 | 0.868 |
| mBin.Nov2023Plus     | 80.381      | 0.028    | 0.006 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Owen  
**Model:** PubBldgCusts  
**Dependent Variable:** mSales.PubBldgCusts  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat | P-Value |
|-----------------|-------------|--------|--------|---------|
| CONST           | 292.591     | 18.919 | 15.466 | 0%      |
| ResCusts.Filled | -0.001      | 0.000  | -1.692 | 9%      |
| AR(1)           | 0.871       | 0.033  | 26.432 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 9       |
| Adjusted Observations     | 167     |
| Deg. of Freedom for Error | 164     |
| R-Squared                 | 0.820   |
| Adjusted R-Squared        | 0.818   |
| AIC                       | 0.883   |
| BIC                       | 0.939   |
| F-Statistic               | 374.493 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -307.73 |
| Model Sum of Squares      | 1780    |
| Sum of Squared Errors     | 390     |
| Mean Squared Error        | 2.38    |
| Std. Error of Regression  | 1.54    |
| Mean Abs. Dev. (MAD)      | 1.00    |
| Mean Abs. % Err. (MAPE)   | 0.39%   |
| Durbin-Watson Statistic   | 2.420   |
| Durbin-H Statistic        | -2.604  |
| Ljung-Box Statistic       | 37.70   |
| Prob (Ljung-Box)          | 0.037   |
| Skewness                  | 0.399   |
| Kurtosis                  | 11.753  |
| Jarque-Bera               | 537.607 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast  |
|-----------------|-------------|-----------|--------|
| ResCusts.Filled | -0.001      | 58156.970 | -0.122 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\CO  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:12 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.433       |

### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 8       |
| Adjusted Observations     | 168     |
| Deg. of Freedom for Error | 167     |
| R-Squared                 | 0.374   |
| Adjusted R-Squared        | 0.374   |
| AIC                       | -0.840  |
| BIC                       | -0.822  |
| F-Statistic               | 99.970  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -166.78 |
| Model Sum of Squares      | 43      |
| Sum of Squared Errors     | 72      |
| Mean Squared Error        | 0.43    |
| Std. Error of Regression  | 0.65    |
| Mean Abs. Dev. (MAD)      | 0.26    |
| Mean Abs. % Err. (MAPE)   | 1.79%   |
| Durbin-Watson Statistic   | 2.083   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 34.49   |
| Prob (Ljung-Box)          | 0.076   |
| Skewness                  | -2.848  |
| Kurtosis                  | 26.892  |
| Jarque-Bera               | 4223.0  |
| Prob (Jarque-Bera)        | 0.000   |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.047       | 0.019  | 56.217 | 0%      |
| mStructResRev.XCool  | 1.046       | 0.020  | 52.902 | 0%      |
| mStructResRev.XOther | 1.046       | 0.017  | 60.057 | 0%      |
| mBin.Yr16Plus        | -78.977     | 8.884  | -8.890 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.959    |
| Adjusted R-Squared        | 0.958    |
| AIC                       | 8.048    |
| BIC                       | 8.123    |
| F-Statistic               | 951.326  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -910.43  |
| Model Sum of Squares      | 11626305 |
| Sum of Squared Errors     | 501067   |
| Mean Squared Error        | 3055.29  |
| Std. Error of Regression  | 55.27    |
| Mean Abs. Dev. (MAD)      | 44.33    |
| Mean Abs. % Err. (MAPE)   | 3.49%    |
| Durbin-Watson Statistic   | 2.180    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 21.49    |
| Prob (Ljung-Box)          | 0.610    |
| Skewness                  | 0.113    |
| Kurtosis                  | 2.593    |
| Jarque-Bera               | 1.519    |
| Prob (Jarque-Bera)        | 0.468    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.047       | 301.922 | 0.246  |
| mStructResRev.XCool  | 1.046       | 258.553 | 0.210  |
| mStructResRev.XOther | 1.046       | 711.673 | 0.579  |
| mBin.Yr16Plus        | -78.977     | 0.571   | -0.035 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** ComSales  
**Dependent Variable:** mSales.ComAvgUse  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2000:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat  | P-Value |
|----------------------|-------------|---------|---------|---------|
| mStructComRev.XHeat  | 9237.952    | 746.825 | 12.370  | 0%      |
| mStructComRev.XCool  | 4817.239    | 235.204 | 20.481  | 0%      |
| mStructComRev.XOther | 464.668     | 6.092   | 76.269  | 0%      |
| mBin.Yr16Plus        | -909.525    | 50.941  | -17.854 | 0%      |
| mBin.Mar10           | 568.051     | 358.177 | 1.586   | 11%     |
| mBin.Year2023Plus    | 409.553     | 110.534 | 3.705   | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 275       |
| Deg. of Freedom for Error | 269       |
| R-Squared                 | 0.798     |
| Adjusted R-Squared        | 0.795     |
| AIC                       | 11.776    |
| BIC                       | 11.855    |
| F-Statistic               | 177.434   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -2003.39  |
| Model Sum of Squares      | 135522309 |
| Sum of Squared Errors     | 34243265  |
| Mean Squared Error        | 127298.38 |
| Std. Error of Regression  | 356.79    |
| Mean Abs. Dev. (MAD)      | 280.49    |
| Mean Abs. % Err. (MAPE)   | 4.95%     |
| Durbin-Watson Statistic   | 0.671     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 669.71    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.320     |
| Kurtosis                  | 3.176     |
| Jarque-Bera               | 5.037     |
| Prob (Jarque-Bera)        | 0.081     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 9237.952    | 0.040  | 0.064  |
| mStructComRev.XCool  | 4817.239    | 0.138  | 0.114  |
| mStructComRev.XOther | 464.668     | 11.022 | 0.873  |
| mBin.Yr16Plus        | -909.525    | 0.349  | -0.054 |
| mBin.Mar10           | 568.051     | 0.004  | 0.000  |
| mBin.Year2023Plus    | 409.553     | 0.044  | 0.003  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient | StdErr  | T-Stat | P-Value |
|----------|-------------|---------|--------|---------|
| mBin.Jan | 17225.310   | 905.379 | 19.026 | 0%      |
| mBin.Feb | 15776.202   | 905.708 | 17.419 | 0%      |
| mBin.Mar | 17318.700   | 905.879 | 19.118 | 0%      |
| mBin.Apr | 17174.186   | 905.895 | 18.958 | 0%      |
| mBin.May | 18790.820   | 905.763 | 20.746 | 0%      |
| mBin.Jun | 19519.684   | 905.495 | 21.557 | 0%      |
| mBin.Jul | 19857.922   | 905.108 | 21.940 | 0%      |
| mBin.Aug | 20641.809   | 904.616 | 22.818 | 0%      |
| mBin.Sep | 18985.596   | 904.036 | 21.001 | 0%      |
| mBin.Oct | 18390.978   | 903.385 | 20.358 | 0%      |
| mBin.Nov | 16519.622   | 902.677 | 18.301 | 0%      |
| mBin.Dec | 16558.871   | 901.926 | 18.359 | 0%      |
| AR(1)    | 0.933       | 0.025   | 36.985 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 7          |
| Adjusted Observations     | 167        |
| Deg. of Freedom for Error | 154        |
| R-Squared                 | 0.929      |
| Adjusted R-Squared        | 0.923      |
| AIC                       | 13.311     |
| BIC                       | 13.554     |
| F-Statistic               | 154.178    |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1335.47   |
| Model Sum of Squares      | 1123677949 |
| Sum of Squared Errors     | 86337245   |
| Mean Squared Error        | 560631.46  |
| Std. Error of Regression  | 748.75     |
| Mean Abs. Dev. (MAD)      | 523.88     |
| Mean Abs. % Err. (MAPE)   | 2.97%      |
| Durbin-Watson Statistic   | 2.473      |
| Durbin-H Statistic        | 0.000      |
| Ljung-Box Statistic       | 51.20      |
| Prob (Ljung-Box)          | 0.001      |
| Skewness                  | -0.236     |
| Kurtosis                  | 6.177      |
| Jarque-Bera               | 71.777     |
| Prob (Jarque-Bera)        | 0.000      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 17225.310   | 0.083 | 0.082 |
| mBin.Feb | 15776.202   | 0.083 | 0.075 |
| mBin.Mar | 17318.700   | 0.083 | 0.082 |
| mBin.Apr | 17174.186   | 0.083 | 0.081 |
| mBin.May | 18790.820   | 0.083 | 0.089 |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jun | 19519.684   | 0.083 | 0.092 |
| mBin.Jul | 19857.922   | 0.083 | 0.094 |
| mBin.Aug | 20641.809   | 0.083 | 0.098 |
| mBin.Sep | 18985.596   | 0.083 | 0.090 |
| mBin.Oct | 18390.978   | 0.083 | 0.087 |
| mBin.Nov | 16519.622   | 0.083 | 0.078 |
| mBin.Dec | 16558.871   | 0.083 | 0.078 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr | T-Stat   | P-Value |
|-------------------|-------------|--------|----------|---------|
| CONST             | 159.925     | 22.666 | 7.056    | 0%      |
| mFcstRev.ResCusts | 0.001       | 0.000  | 2.885    | 0%      |
| mBin.Sep15        | 9.485       | 2.267  | 4.184    | 0%      |
| mBin.Apr2022      | -317.096    | 2.283  | -138.869 | 0%      |
| AR(1)             | 0.909       | 0.036  | 25.095   | 0%      |
| MA(1)             | -0.429      | 0.086  | -4.974   | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 16       |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 161      |
| R-Squared                 | 0.989    |
| Adjusted R-Squared        | 0.989    |
| AIC                       | 1.927    |
| BIC                       | 2.039    |
| F-Statistic               | 3012.184 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -391.84  |
| Model Sum of Squares      | 99829    |
| Sum of Squared Errors     | 1067     |
| Mean Squared Error        | 6.63     |
| Std. Error of Regression  | 2.57     |
| Mean Abs. Dev. (MAD)      | 1.38     |
| Mean Abs. % Err. (MAPE)   | 0.64%    |
| Durbin-Watson Statistic   | 2.116    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 20.96    |
| Prob (Ljung-Box)          | 0.641    |
| Skewness                  | -1.641   |
| Kurtosis                  | 20.905   |
| Jarque-Bera               | 2305.700 |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable          | Coefficient | Mean      | Elast  |
|-------------------|-------------|-----------|--------|
| mFcstRev.ResCusts | 0.001       | 47714.071 | 0.290  |
| mBin.Sep15        | 9.485       | 0.006     | 0.000  |
| mBin.Apr2022      | -317.096    | 0.006     | -0.009 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr  | T-Stat  | P-Value |
|------------------|-------------|---------|---------|---------|
| Econ.Pop         | 618.526     | 6.152   | 100.543 | 0%      |
| mBin.Dec2023Plus | -28276.475  | 756.274 | -37.389 | 0%      |

#### Model Statistics

|                           |            |
|---------------------------|------------|
| Iterations                | 1          |
| Adjusted Observations     | 168        |
| Deg. of Freedom for Error | 166        |
| R-Squared                 | 0.984      |
| Adjusted R-Squared        | 0.984      |
| AIC                       | 11.701     |
| BIC                       | 11.738     |
| F-Statistic               | 5054.403   |
| Prob (F-Statistic)        | 0.000      |
| Log-Likelihood            | -1219.26   |
| Model Sum of Squares      | 1205588651 |
| Sum of Squared Errors     | 19797366   |
| Mean Squared Error        | 119261.24  |
| Std. Error of Regression  | 345.34     |
| Mean Abs. Dev. (MAD)      | 300.42     |
| Mean Abs. % Err. (MAPE)   | 0.63%      |
| Durbin-Watson Statistic   | 0.012      |
| Durbin-H Statistic        | 0.294      |
| Ljung-Box Statistic       | 1881.70    |
| Prob (Ljung-Box)          | 0.000      |
| Skewness                  | 0.325      |
| Kurtosis                  | 2.115      |
| Jarque-Bera               | 8.438      |
| Prob (Jarque-Bera)        | 0.015      |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable         | Coefficient | Mean    | Elast  |
|------------------|-------------|---------|--------|
| Econ.Pop         | 618.526     | 122.858 | 1.593  |
| mBin.Dec2023Plus | -28276.475  | 1.000   | -0.593 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat  | P-Value |
|-----------------|-------------|--------|---------|---------|
| ResCusts.Filled | 0.062       | 0.000  | 232.691 | 0%      |
| AR(1)           | 0.958       | 0.022  | 43.202  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 4         |
| Adjusted Observations     | 167       |
| Deg. of Freedom for Error | 165       |
| R-Squared                 | 0.999     |
| Adjusted R-Squared        | 0.999     |
| AIC                       | 3.943     |
| BIC                       | 3.981     |
| F-Statistic               | 57902.797 |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -564.24   |
| Model Sum of Squares      | 5904688   |
| Sum of Squared Errors     | 8413      |
| Mean Squared Error        | 50.99     |
| Std. Error of Regression  | 7.14      |
| Mean Abs. Dev. (MAD)      | 4.98      |
| Mean Abs. % Err. (MAPE)   | 0.17%     |
| Durbin-Watson Statistic   | 1.748     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 49.85     |
| Prob (Ljung-Box)          | 0.001     |
| Skewness                  | 0.061     |
| Kurtosis                  | 5.451     |
| Jarque-Bera               | 41.913    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.062       | 47714.071 | 1.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 2.196       | 0.118  | 18.543 | 0%      |
| mPeakVars.CoolingVar | 6.163       | 0.214  | 28.759 | 0%      |
| mPeakVars.BaseVar    | 0.314       | 0.006  | 48.871 | 0%      |
| mBin.Feb             | -8.736      | 3.974  | -2.198 | 3%      |
| mBin.Mar             | 20.150      | 3.809  | 5.291  | 0%      |
| mBin.May             | -4.765      | 3.651  | -1.305 | 19%     |
| mBin.Oct             | -2.751      | 3.855  | -0.713 | 48%     |
| mBin.Nov             | -8.999      | 3.824  | -2.353 | 2%      |
| mBin.Feb15           | 49.272      | 12.965 | 3.801  | 0%      |
| mBin.Mar16           | -31.474     | 12.833 | -2.453 | 2%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 169     |
| Deg. of Freedom for Error | 159     |
| R-Squared                 | 0.891   |
| Adjusted R-Squared        | 0.885   |
| AIC                       | 5.086   |
| BIC                       | 5.272   |
| F-Statistic               | 129.784 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -659.60 |
| Model Sum of Squares      | 198290  |
| Sum of Squared Errors     | 24293   |
| Mean Squared Error        | 152.79  |
| Std. Error of Regression  | 12.36   |
| Mean Abs. Dev. (MAD)      | 9.27    |
| Mean Abs. % Err. (MAPE)   | 4.10%   |
| Durbin-Watson Statistic   | 1.758   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 15.81   |
| Prob (Ljung-Box)          | 0.895   |
| Skewness                  | -0.003  |
| Kurtosis                  | 4.104   |
| Jarque-Bera               | 8.588   |
| Prob (Jarque-Bera)        | 0.014   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 2.196       | 12.446  | 0.123  |
| mPeakVars.CoolingVar | 6.163       | 6.287   | 0.174  |
| mPeakVars.BaseVar    | 0.314       | 497.086 | 0.703  |
| mBin.Feb             | -8.736      | 0.083   | -0.003 |
| mBin.Mar             | 20.150      | 0.083   | 0.008  |
| mBin.May             | -4.765      | 0.083   | -0.002 |
| mBin.Oct             | -2.751      | 0.083   | -0.001 |
| mBin.Nov             | -8.999      | 0.083   | -0.003 |

| Variable   | Coefficient | Mean  | Elast  |
|------------|-------------|-------|--------|
| mBin.Feb15 | 49.272      | 0.006 | 0.001  |
| mBin.Mar16 | -31.474     | 0.006 | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SaltR  
**Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat | P-Value |
|-----------------|-------------|--------|--------|---------|
| CONST           | -77.654     | 49.936 | -1.555 | 12%     |
| ResCusts.Filled | 0.006       | 0.001  | 6.269  | 0%      |
| AR(1)           | 0.960       | 0.018  | 52.364 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 30       |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.991    |
| Adjusted R-Squared        | 0.991    |
| AIC                       | 0.732    |
| BIC                       | 0.788    |
| F-Statistic               | 9334.485 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -295.05  |
| Model Sum of Squares      | 38117    |
| Sum of Squared Errors     | 335      |
| Mean Squared Error        | 2.04     |
| Std. Error of Regression  | 1.43     |
| Mean Abs. Dev. (MAD)      | 1.07     |
| Mean Abs. % Err. (MAPE)   | 0.47%    |
| Durbin-Watson Statistic   | 2.036    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 16.14    |
| Prob (Ljung-Box)          | 0.883    |
| Skewness                  | 0.534    |
| Kurtosis                  | 4.034    |
| Jarque-Bera               | 15.359   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.006       | 47714.071 | 1.336 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 1.010       | 0.019  | 54.348 | 0%      |
| mStructResRev.XCool  | 1.010       | 0.028  | 35.863 | 0%      |
| mStructResRev.XOther | 1.010       | 0.018  | 54.839 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 141      |
| R-Squared                 | 0.961    |
| Adjusted R-Squared        | 0.960    |
| AIC                       | 8.152    |
| BIC                       | 8.214    |
| F-Statistic               | 1149.200 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -788.25  |
| Model Sum of Squares      | 11716014 |
| Sum of Squared Errors     | 479162   |
| Mean Squared Error        | 3398.31  |
| Std. Error of Regression  | 58.30    |
| Mean Abs. Dev. (MAD)      | 45.54    |
| Mean Abs. % Err. (MAPE)   | 3.67%    |
| Durbin-Watson Statistic   | 2.044    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 69.58    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.147    |
| Kurtosis                  | 3.293    |
| Jarque-Bera               | 1.035    |
| Prob (Jarque-Bera)        | 0.596    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast |
|----------------------|-------------|---------|-------|
| mStructResRev.XHeat  | 1.010       | 348.891 | 0.280 |
| mStructResRev.XCool  | 1.010       | 212.771 | 0.171 |
| mStructResRev.XOther | 1.010       | 682.305 | 0.548 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ResSeasAvgUse  
**Dependent Variable:** mSales.ResSeasAvgUse  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 0.199       | 0.025  | 8.114  | 0%      |
| mStructResRev.XCool  | 0.359       | 0.042  | 8.491  | 0%      |
| mStructResRev.XOther | 0.112       | 0.030  | 3.683  | 0%      |
| mBin.Yr17Plus        | 81.411      | 14.623 | 5.567  | 0%      |
| mBin.Mar             | 54.784      | 16.723 | 3.276  | 0%      |
| mBin.Oct             | 132.638     | 19.469 | 6.813  | 0%      |
| mBin.Nov             | 61.901      | 17.809 | 3.476  | 0%      |
| mBin.Mar15           | -130.076    | 55.298 | -2.352 | 2%      |
| MA(1)                | 0.397       | 0.088  | 4.513  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 13      |
| Adjusted Observations     | 111     |
| Deg. of Freedom for Error | 102     |
| R-Squared                 | 0.560   |
| Adjusted R-Squared        | 0.526   |
| AIC                       | 8.437   |
| BIC                       | 8.657   |
| F-Statistic               | 14.439  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -616.78 |
| Model Sum of Squares      | 555111  |
| Sum of Squared Errors     | 435705  |
| Mean Squared Error        | 4271.62 |
| Std. Error of Regression  | 65.36   |
| Mean Abs. Dev. (MAD)      | 43.78   |
| Mean Abs. % Err. (MAPE)   | 16.44%  |
| Durbin-Watson Statistic   | 1.609   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 16.26   |
| Prob (Ljung-Box)          | 0.878   |
| Skewness                  | -0.895  |
| Kurtosis                  | 6.200   |
| Jarque-Bera               | 62.155  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 0.199       | 448.050 | 0.308  |
| mStructResRev.XCool  | 0.359       | 139.595 | 0.173  |
| mStructResRev.XOther | 0.112       | 686.344 | 0.265  |
| mBin.Yr17Plus        | 81.411      | 0.595   | 0.167  |
| mBin.Mar             | 54.784      | 0.108   | 0.020  |
| mBin.Oct             | 132.638     | 0.108   | 0.050  |
| mBin.Nov             | 61.901      | 0.108   | 0.023  |
| mBin.Mar15           | -130.076    | 0.009   | -0.004 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 6601.475    | 1738.425 | 3.797  | 0%      |
| mStructComRev.XCool  | 3385.769    | 498.895  | 6.787  | 0%      |
| mStructComRev.XOther | 514.072     | 13.166   | 39.046 | 0%      |
| mBin.Jul17           | -2630.798   | 614.673  | -4.280 | 0%      |
| mBin.Yr18Plus        | 398.990     | 103.249  | 3.864  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 144       |
| Deg. of Freedom for Error | 139       |
| R-Squared                 | 0.571     |
| Adjusted R-Squared        | 0.558     |
| AIC                       | 12.835    |
| BIC                       | 12.938    |
| F-Statistic               | 36.956    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1123.41  |
| Model Sum of Squares      | 66958844  |
| Sum of Squared Errors     | 50370085  |
| Mean Squared Error        | 362374.71 |
| Std. Error of Regression  | 601.98    |
| Mean Abs. Dev. (MAD)      | 500.64    |
| Mean Abs. % Err. (MAPE)   | 7.50%     |
| Durbin-Watson Statistic   | 0.502     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 585.21    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -0.328    |
| Kurtosis                  | 2.254     |
| Jarque-Bera               | 5.922     |
| Prob (Jarque-Bera)        | 0.052     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 6601.475    | 0.039  | 0.037  |
| mStructComRev.XCool  | 3385.769    | 0.153  | 0.074  |
| mStructComRev.XOther | 514.072     | 11.791 | 0.864  |
| mBin.Jul17           | -2630.798   | 0.007  | -0.003 |
| mBin.Yr18Plus        | 398.990     | 0.500  | 0.028  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr  | T-Stat | P-Value |
|-----------------|-------------|---------|--------|---------|
| mBin.Jan        | 13570.730   | 231.340 | 58.661 | 0%      |
| mBin.Feb        | 12141.061   | 225.165 | 53.921 | 0%      |
| mBin.Mar        | 13973.479   | 223.379 | 62.555 | 0%      |
| mBin.Apr        | 13024.712   | 228.033 | 57.118 | 0%      |
| mBin.May        | 13943.677   | 222.531 | 62.659 | 0%      |
| mBin.Jun        | 13799.469   | 222.436 | 62.038 | 0%      |
| mBin.Jul        | 14206.051   | 222.396 | 63.877 | 0%      |
| mBin.Aug        | 14631.896   | 222.379 | 65.797 | 0%      |
| mBin.Sep        | 13709.484   | 222.371 | 61.652 | 0%      |
| mBin.Oct        | 13835.390   | 222.367 | 62.219 | 0%      |
| mBin.Nov        | 12772.390   | 222.365 | 57.439 | 0%      |
| mBin.Dec        | 12805.995   | 222.364 | 57.590 | 0%      |
| mBin.Year21Plus | -2294.986   | 244.601 | -9.383 | 0%      |
| mBin.Apr20      | -845.344    | 670.733 | -1.260 | 21%     |
| AR(1)           | 0.470       | 0.071   | 6.651  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 9         |
| Adjusted Observations     | 167       |
| Deg. of Freedom for Error | 152       |
| R-Squared                 | 0.763     |
| Adjusted R-Squared        | 0.742     |
| AIC                       | 13.233    |
| BIC                       | 13.513    |
| F-Statistic               | 32.688    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1326.88  |
| Model Sum of Squares      | 251271724 |
| Sum of Squared Errors     | 77894610  |
| Mean Squared Error        | 512464.54 |
| Std. Error of Regression  | 715.87    |
| Mean Abs. Dev. (MAD)      | 510.83    |
| Mean Abs. % Err. (MAPE)   | 3.97%     |
| Durbin-Watson Statistic   | 2.489     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 87.07     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.138     |
| Kurtosis                  | 4.058     |
| Jarque-Bera               | 8.313     |
| Prob (Jarque-Bera)        | 0.016     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 13570.730   | 0.083 | 0.087 |
| mBin.Feb | 12141.061   | 0.083 | 0.078 |
| mBin.Mar | 13973.479   | 0.083 | 0.089 |



| Variable        | Coefficient | Mean  | Elast  |
|-----------------|-------------|-------|--------|
| mBin.Apr        | 13024.712   | 0.083 | 0.083  |
| mBin.May        | 13943.677   | 0.083 | 0.089  |
| mBin.Jun        | 13799.469   | 0.083 | 0.088  |
| mBin.Jul        | 14206.051   | 0.083 | 0.091  |
| mBin.Aug        | 14631.896   | 0.083 | 0.094  |
| mBin.Sep        | 13709.484   | 0.083 | 0.088  |
| mBin.Oct        | 13835.390   | 0.083 | 0.089  |
| mBin.Nov        | 12772.390   | 0.083 | 0.082  |
| mBin.Dec        | 12805.995   | 0.083 | 0.082  |
| mBin.Year21Plus | -2294.986   | 0.214 | -0.038 |
| mBin.Apr20      | -845.344    | 0.006 | -0.000 |

|                                     |                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------|
| <b>Project:</b>                     | H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SL |
| <b>Exponential Smoothing Model:</b> | SLSales                                                                        |
| <b>Dependent Variable:</b>          | mSales.SLSales                                                                 |
| <b>Date:</b>                        | December 06, 2024                                                              |
| <b>Time:</b>                        | 11:13 AM                                                                       |
| <b>Estimation Begin Date:</b>       | 2010:1                                                                         |
| <b>Estimation End Date:</b>         | 2023:12                                                                        |
| <b>Forecast Period End Date:</b>    | 2044:12                                                                        |

|                 |                    |
|-----------------|--------------------|
| <b>Variable</b> | <b>Coefficient</b> |
| Simple          | 0.578              |

### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 10      |
| Adjusted Observations     | 168     |
| Deg. of Freedom for Error | 167     |
| R-Squared                 | 0.774   |
| Adjusted R-Squared        | 0.774   |
| AIC                       | 1.325   |
| BIC                       | 1.343   |
| F-Statistic               | 573.520 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -348.66 |
| Model Sum of Squares      | 2144    |
| Sum of Squared Errors     | 624     |
| Mean Squared Error        | 3.74    |
| Std. Error of Regression  | 1.93    |
| Mean Abs. Dev. (MAD)      | 1.06    |
| Mean Abs. % Err. (MAPE)   | 7.07%   |
| Durbin-Watson Statistic   | 2.035   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 29.06   |
| Prob (Ljung-Box)          | 0.218   |
| Skewness                  | -1.596  |
| Kurtosis                  | 18.189  |
| Jarque-Bera               | 1686.4  |
| Prob (Jarque-Bera)        | 0.000   |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2014:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable   | Coefficient | StdErr  | T-Stat | P-Value |
|------------|-------------|---------|--------|---------|
| CONST      | -2438.668   | 569.313 | -4.284 | 0%      |
| Econ.HH    | 823.472     | 25.442  | 32.367 | 0%      |
| mBin.Aug15 | 462.132     | 28.783  | 16.056 | 0%      |
| mBin.Dec18 | -167.845    | 28.779  | -5.832 | 0%      |
| mBin.Apr21 | 181.142     | 28.791  | 6.292  | 0%      |
| mBin.Mar22 | -110.475    | 28.790  | -3.837 | 0%      |
| mBin.Jun21 | 68.793      | 28.788  | 2.390  | 2%      |
| AR(1)      | 0.827       | 0.053   | 15.567 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 13       |
| Adjusted Observations     | 119      |
| Deg. of Freedom for Error | 111      |
| R-Squared                 | 0.997    |
| Adjusted R-Squared        | 0.996    |
| AIC                       | 7.314    |
| BIC                       | 7.501    |
| F-Statistic               | 4690.314 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -596.05  |
| Model Sum of Squares      | 46205437 |
| Sum of Squared Errors     | 156213   |
| Mean Squared Error        | 1407.32  |
| Std. Error of Regression  | 37.51    |
| Mean Abs. Dev. (MAD)      | 22.63    |
| Mean Abs. % Err. (MAPE)   | 0.14%    |
| Durbin-Watson Statistic   | 2.410    |
| Durbin-H Statistic        | 1.744    |
| Ljung-Box Statistic       | 44.62    |
| Prob (Ljung-Box)          | 0.006    |
| Skewness                  | -2.133   |
| Kurtosis                  | 17.362   |
| Jarque-Bera               | 1112.925 |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable   | Coefficient | Mean   | Elast  |
|------------|-------------|--------|--------|
| Econ.HH    | 823.472     | 22.256 | 1.153  |
| mBin.Aug15 | 462.132     | 0.008  | 0.000  |
| mBin.Dec18 | -167.845    | 0.008  | -0.000 |
| mBin.Apr21 | 181.142     | 0.008  | 0.000  |
| mBin.Mar22 | -110.475    | 0.008  | -0.000 |
| mBin.Jun21 | 68.793      | 0.008  | 0.000  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ResSeasCusts  
**Dependent Variable:** mSales.ResSeasCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable         | Coefficient | StdErr | T-Stat | P-Value |
|------------------|-------------|--------|--------|---------|
| mBin.Jan         | 80.576      | 10.003 | 8.055  | 0%      |
| mBin.Feb         | 80.212      | 9.912  | 8.092  | 0%      |
| mBin.Mar         | 81.843      | 9.852  | 8.307  | 0%      |
| mBin.Apr         | 108.252     | 9.810  | 11.035 | 0%      |
| mBin.May         | 175.781     | 10.068 | 17.459 | 0%      |
| mBin.Jun         | 180.619     | 10.128 | 17.833 | 0%      |
| mBin.Jul         | 177.503     | 10.008 | 17.737 | 0%      |
| mBin.Aug         | 179.318     | 10.026 | 17.886 | 0%      |
| mBin.Sep         | 171.498     | 9.818  | 17.467 | 0%      |
| mBin.Oct         | 100.013     | 9.860  | 10.143 | 0%      |
| mBin.Nov         | 88.410      | 9.885  | 8.944  | 0%      |
| mBin.Dec         | 87.178      | 9.899  | 8.806  | 0%      |
| mBin.Jun21       | -68.813     | 15.557 | -4.423 | 0%      |
| mBin.May2022Plus | 158.406     | 15.115 | 10.480 | 0%      |
| AR(1)            | 0.796       | 0.051  | 15.636 | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 7       |
| Adjusted Observations     | 142     |
| Deg. of Freedom for Error | 127     |
| R-Squared                 | 0.946   |
| Adjusted R-Squared        | 0.940   |
| AIC                       | 5.990   |
| BIC                       | 6.302   |
| F-Statistic               | 148.410 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -611.76 |
| Model Sum of Squares      | 804625  |
| Sum of Squared Errors     | 45903   |
| Mean Squared Error        | 361.44  |
| Std. Error of Regression  | 19.01   |
| Mean Abs. Dev. (MAD)      | 11.02   |
| Mean Abs. % Err. (MAPE)   | 21.00%  |
| Durbin-Watson Statistic   | 2.232   |
| Durbin-H Statistic        | 0.371   |
| Ljung-Box Statistic       | 33.53   |
| Prob (Ljung-Box)          | 0.093   |
| Skewness                  | -1.196  |
| Kurtosis                  | 11.963  |
| Jarque-Bera               | 509.110 |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 80.576      | 0.084 | 0.047 |
| mBin.Feb | 80.212      | 0.084 | 0.046 |
| mBin.Mar | 81.843      | 0.084 | 0.047 |

| Variable         | Coefficient | Mean  | Elast  |
|------------------|-------------|-------|--------|
| mBin.Apr         | 108.252     | 0.084 | 0.063  |
| mBin.May         | 175.781     | 0.084 | 0.102  |
| mBin.Jun         | 180.619     | 0.084 | 0.105  |
| mBin.Jul         | 177.503     | 0.084 | 0.103  |
| mBin.Aug         | 179.318     | 0.077 | 0.095  |
| mBin.Sep         | 171.498     | 0.084 | 0.099  |
| mBin.Oct         | 100.013     | 0.084 | 0.058  |
| mBin.Nov         | 88.410      | 0.084 | 0.051  |
| mBin.Dec         | 87.178      | 0.084 | 0.050  |
| mBin.Jun21       | -68.813     | 0.007 | -0.003 |
| mBin.May2022Plus | 158.406     | 0.140 | 0.153  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2015:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr   | T-Stat  | P-Value |
|-----------------|-------------|----------|---------|---------|
| CONST           | 893.929     | 1228.230 | 0.728   | 47%     |
| mBin.Dec18      | -14.068     | 2.116    | -6.650  | 0%      |
| mBin.Aug15      | -6.054      | 3.124    | -1.938  | 6%      |
| ResCusts.Filled | 0.006       | 0.005    | 1.034   | 30%     |
| AR(1)           | 0.997       | 0.008    | 127.482 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 22       |
| Adjusted Observations     | 107      |
| Deg. of Freedom for Error | 102      |
| R-Squared                 | 0.995    |
| Adjusted R-Squared        | 0.995    |
| AIC                       | 2.043    |
| BIC                       | 2.168    |
| F-Statistic               | 4909.530 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -256.15  |
| Model Sum of Squares      | 144799   |
| Sum of Squared Errors     | 752      |
| Mean Squared Error        | 7.37     |
| Std. Error of Regression  | 2.72     |
| Mean Abs. Dev. (MAD)      | 1.97     |
| Mean Abs. % Err. (MAPE)   | 0.36%    |
| Durbin-Watson Statistic   | 2.282    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 33.37    |
| Prob (Ljung-Box)          | 0.096    |
| Skewness                  | 0.111    |
| Kurtosis                  | 3.544    |
| Jarque-Bera               | 1.539    |
| Prob (Jarque-Bera)        | 0.463    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast  |
|-----------------|-------------|-----------|--------|
| mBin.Dec18      | -14.068     | 0.009     | -0.000 |
| mBin.Aug15      | -6.054      | 0.009     | -0.000 |
| ResCusts.Filled | 0.006       | 15984.741 | 0.163  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Shelb  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 0.919       | 0.041  | 22.519 | 0%      |
| mPeakVars.CoolingVar | 1.340       | 0.088  | 15.287 | 0%      |
| mPeakVars.BaseVar    | 0.164       | 0.003  | 55.616 | 0%      |
| mBin.May             | -5.759      | 1.380  | -4.172 | 0%      |
| mBin.Oct             | -5.515      | 1.449  | -3.804 | 0%      |
| mBin.Year21Plus      | 4.887       | 0.816  | 5.990  | 0%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 139     |
| R-Squared                 | 0.875   |
| Adjusted R-Squared        | 0.870   |
| AIC                       | 2.965   |
| BIC                       | 3.088   |
| F-Statistic               | 161.981 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -414.68 |
| Model Sum of Squares      | 18095   |
| Sum of Squared Errors     | 2588    |
| Mean Squared Error        | 18.62   |
| Std. Error of Regression  | 4.31    |
| Mean Abs. Dev. (MAD)      | 3.12    |
| Mean Abs. % Err. (MAPE)   | 3.59%   |
| Durbin-Watson Statistic   | 1.629   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 52.14   |
| Prob (Ljung-Box)          | 0.001   |
| Skewness                  | 0.391   |
| Kurtosis                  | 4.694   |
| Jarque-Bera               | 21.031  |
| Prob (Jarque-Bera)        | 0.000   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 0.919       | 13.489  | 0.146  |
| mPeakVars.CoolingVar | 1.340       | 5.929   | 0.094  |
| mPeakVars.BaseVar    | 0.164       | 392.037 | 0.756  |
| mBin.May             | -5.759      | 0.083   | -0.006 |
| mBin.Oct             | -5.515      | 0.083   | -0.005 |
| mBin.Year21Plus      | 4.887       | 0.255   | 0.015  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SLCusts  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:13 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.692       |

### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 7        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.883    |
| Adjusted R-Squared        | 0.883    |
| AIC                       | -1.229   |
| BIC                       | -1.211   |
| F-Statistic               | 1261.936 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -134.12  |
| Model Sum of Squares      | 367      |
| Sum of Squared Errors     | 49       |
| Mean Squared Error        | 0.29     |
| Std. Error of Regression  | 0.54     |
| Mean Abs. Dev. (MAD)      | 0.29     |
| Mean Abs. % Err. (MAPE)   | 0.93%    |
| Durbin-Watson Statistic   | 1.990    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 20.17    |
| Prob (Ljung-Box)          | 0.687    |
| Skewness                  | -0.195   |
| Kurtosis                  | 6.309    |
| Jarque-Bera               | 77.7     |
| Prob (Jarque-Bera)        | 0.000    |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mStructResRev.XHeat  | 0.999       | 0.024  | 40.852 | 0%      |
| mStructResRev.XCool  | 0.998       | 0.038  | 26.347 | 0%      |
| mStructResRev.XOther | 0.999       | 0.035  | 28.387 | 0%      |
| mBin.Aft2019         | -55.705     | 12.685 | -4.392 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 140      |
| R-Squared                 | 0.938    |
| Adjusted R-Squared        | 0.937    |
| AIC                       | 8.527    |
| BIC                       | 8.610    |
| F-Statistic               | 532.208  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -814.27  |
| Model Sum of Squares      | 10459216 |
| Sum of Squared Errors     | 687837   |
| Mean Squared Error        | 4913.12  |
| Std. Error of Regression  | 70.09    |
| Mean Abs. Dev. (MAD)      | 51.67    |
| Mean Abs. % Err. (MAPE)   | 4.81%    |
| Durbin-Watson Statistic   | 1.395    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 76.41    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.297    |
| Kurtosis                  | 3.905    |
| Jarque-Bera               | 7.037    |
| Prob (Jarque-Bera)        | 0.030    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 0.999       | 385.897 | 0.364  |
| mStructResRev.XCool  | 0.998       | 192.191 | 0.181  |
| mStructResRev.XOther | 0.999       | 501.551 | 0.473  |
| mBin.Aft2019         | -55.705     | 0.333   | -0.018 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr   | T-Stat | P-Value |
|----------------------|-------------|----------|--------|---------|
| mStructComRev.XHeat  | 46184.756   | 2687.951 | 17.182 | 0%      |
| mStructComRev.XCool  | 14500.739   | 605.675  | 23.941 | 0%      |
| mStructComRev.XOther | 1638.073    | 18.425   | 88.906 | 0%      |
| mBin.May2020         | -2126.480   | 876.021  | -2.427 | 2%      |
| mBin.Aft2019         | -459.457    | 150.733  | -3.048 | 0%      |
| mBin.Jun2020         | -1763.775   | 874.096  | -2.018 | 5%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 156       |
| Deg. of Freedom for Error | 150       |
| R-Squared                 | 0.855     |
| Adjusted R-Squared        | 0.850     |
| AIC                       | 13.558    |
| BIC                       | 13.675    |
| F-Statistic               | 147.024   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1272.85  |
| Model Sum of Squares      | 656435702 |
| Sum of Squared Errors     | 111620602 |
| Mean Squared Error        | 744137.34 |
| Std. Error of Regression  | 862.63    |
| Mean Abs. Dev. (MAD)      | 645.15    |
| Mean Abs. % Err. (MAPE)   | 2.82%     |
| Durbin-Watson Statistic   | 1.159     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 75.64     |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | 0.370     |
| Kurtosis                  | 4.442     |
| Jarque-Bera               | 17.063    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 46184.756   | 0.039  | 0.078  |
| mStructComRev.XCool  | 14500.739   | 0.164  | 0.104  |
| mStructComRev.XOther | 1638.073    | 11.516 | 0.825  |
| mBin.May2020         | -2126.480   | 0.006  | -0.001 |
| mBin.Aft2019         | -459.457    | 0.308  | -0.006 |
| mBin.Jun2020         | -1763.775   | 0.006  | -0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr   | T-Stat | P-Value |
|-------------------|-------------|----------|--------|---------|
| Econ.EmpMan       | -316.651    | 497.247  | -0.637 | 53%     |
| mBin.Feb14Plus    | 3631.532    | 184.249  | 19.710 | 0%      |
| mBin.Yr19Plus     | -433.098    | 190.230  | -2.277 | 2%      |
| mBin.Jan          | 13978.359   | 4103.592 | 3.406  | 0%      |
| mBin.Feb          | 14602.155   | 4109.826 | 3.553  | 0%      |
| mBin.Mar          | 13524.535   | 4112.417 | 3.289  | 0%      |
| mBin.Apr          | 14326.731   | 4115.007 | 3.482  | 0%      |
| mBin.May          | 13876.821   | 4125.563 | 3.364  | 0%      |
| mBin.Jun          | 14819.878   | 4128.292 | 3.590  | 0%      |
| mBin.Jul          | 15453.542   | 4122.778 | 3.748  | 0%      |
| mBin.Aug          | 15568.495   | 4124.405 | 3.775  | 0%      |
| mBin.Sep          | 16367.315   | 4126.032 | 3.967  | 0%      |
| mBin.Oct          | 14928.082   | 4127.659 | 3.617  | 0%      |
| mBin.Nov          | 15135.649   | 4129.286 | 3.665  | 0%      |
| mBin.Dec          | 13844.171   | 4127.521 | 3.354  | 0%      |
| mBin.May2020      | -1741.882   | 646.284  | -2.695 | 1%      |
| mBin.Jun2020      | -2225.977   | 644.963  | -3.451 | 0%      |
| mBin.Year2023Plus | 85.698      | 314.341  | 0.273  | 79%     |
| MA(1)             | 0.457       | 0.077    | 5.970  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 13        |
| Adjusted Observations     | 156       |
| Deg. of Freedom for Error | 137       |
| R-Squared                 | 0.904     |
| Adjusted R-Squared        | 0.891     |
| AIC                       | 12.931    |
| BIC                       | 13.303    |
| F-Statistic               | 67.862    |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1210.98  |
| Model Sum of Squares      | 475239356 |
| Sum of Squared Errors     | 50495802  |
| Mean Squared Error        | 368582.49 |
| Std. Error of Regression  | 607.11    |
| Mean Abs. Dev. (MAD)      | 421.23    |
| Mean Abs. % Err. (MAPE)   | 2.89%     |
| Durbin-Watson Statistic   | 1.757     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 28.18     |
| Prob (Ljung-Box)          | 0.252     |
| Skewness                  | 0.872     |
| Kurtosis                  | 5.743     |
| Jarque-Bera               | 68.700    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable          | Coefficient | Mean  | Elast  |
|-------------------|-------------|-------|--------|
| Econ.EmpMan       | -316.651    | 8.334 | -0.180 |
| mBin.Feb14Plus    | 3631.532    | 0.763 | 0.189  |
| mBin.Yr19Plus     | -433.098    | 0.385 | -0.011 |
| mBin.Jan          | 13978.359   | 0.083 | 0.080  |
| mBin.Feb          | 14602.155   | 0.083 | 0.083  |
| mBin.Mar          | 13524.535   | 0.083 | 0.077  |
| mBin.Apr          | 14326.731   | 0.083 | 0.082  |
| mBin.May          | 13876.821   | 0.083 | 0.079  |
| mBin.Jun          | 14819.878   | 0.083 | 0.084  |
| mBin.Jul          | 15453.542   | 0.083 | 0.088  |
| mBin.Aug          | 15568.495   | 0.083 | 0.089  |
| mBin.Sep          | 16367.315   | 0.083 | 0.093  |
| mBin.Oct          | 14928.082   | 0.083 | 0.085  |
| mBin.Nov          | 15135.649   | 0.083 | 0.086  |
| mBin.Dec          | 13844.171   | 0.083 | 0.079  |
| mBin.May2020      | -1741.882   | 0.006 | -0.001 |
| mBin.Jun2020      | -2225.977   | 0.006 | -0.001 |
| mBin.Year2023Plus | 85.698      | 0.077 | 0.000  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** PubBldgSales  
**Dependent Variable:** mSales.PubBldgSales  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable              | Coefficient | StdErr  | T-Stat | P-Value |
|-----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat   | 11235.933   | 407.290 | 27.587 | 0%      |
| mStructComRev.XCool   | 1416.381    | 91.092  | 15.549 | 0%      |
| mStructComRev.XOther  | 25.916      | 3.115   | 8.320  | 0%      |
| mBin.Jan2018          | 486.560     | 99.069  | 4.911  | 0%      |
| mBin.Yr2015Plus_Trend | 6.777       | 1.153   | 5.876  | 0%      |
| MA(1)                 | 0.325       | 0.085   | 3.806  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 8        |
| Adjusted Observations     | 156      |
| Deg. of Freedom for Error | 150      |
| R-Squared                 | 0.910    |
| Adjusted R-Squared        | 0.907    |
| AIC                       | 9.325    |
| BIC                       | 9.443    |
| F-Statistic               | 252.776  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -942.73  |
| Model Sum of Squares      | 16385945 |
| Sum of Squared Errors     | 1620601  |
| Mean Squared Error        | 10804.00 |
| Std. Error of Regression  | 103.94   |
| Mean Abs. Dev. (MAD)      | 80.05    |
| Mean Abs. % Err. (MAPE)   | 7.89%    |
| Durbin-Watson Statistic   | 1.883    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 90.51    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -0.010   |
| Kurtosis                  | 3.318    |
| Jarque-Bera               | 0.660    |
| Prob (Jarque-Bera)        | 0.719    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable              | Coefficient | Mean   | Elast |
|-----------------------|-------------|--------|-------|
| mStructComRev.XHeat   | 11235.933   | 0.039  | 0.410 |
| mStructComRev.XCool   | 1416.381    | 0.164  | 0.219 |
| mStructComRev.XOther  | 25.916      | 11.516 | 0.282 |
| mBin.Jan2018          | 486.560     | 0.006  | 0.003 |
| mBin.Yr2015Plus_Trend | 6.777       | 13.529 | 0.086 |

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| Project:                     | H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SLSales |
| Exponential Smoothing Model: | SLSales                                                                             |
| Dependent Variable:          | mSales.SLSales                                                                      |
| Date:                        | December 06, 2024                                                                   |
| Time:                        | 11:14 AM                                                                            |
| Estimation Begin Date:       | 2012:1                                                                              |
| Estimation End Date:         | 2023:12                                                                             |
| Forecast Period End Date:    | 2044:12                                                                             |

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.449       |

### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 7        |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 143      |
| R-Squared                 | 0.933    |
| Adjusted R-Squared        | 0.933    |
| AIC                       | 2.927    |
| BIC                       | 2.948    |
| F-Statistic               | 2000.630 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -414.09  |
| Model Sum of Squares      | 37106    |
| Sum of Squared Errors     | 2652     |
| Mean Squared Error        | 18.55    |
| Std. Error of Regression  | 4.31     |
| Mean Abs. Dev. (MAD)      | 1.85     |
| Mean Abs. % Err. (MAPE)   | 2.04%    |
| Durbin-Watson Statistic   | 2.054    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 15.85    |
| Prob (Ljung-Box)          | 0.893    |
| Skewness                  | -2.424   |
| Kurtosis                  | 17.347   |
| Jarque-Bera               | 1376.0   |
| Prob (Jarque-Bera)        | 0.000    |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable     | Coefficient | StdErr   | T-Stat | P-Value |
|--------------|-------------|----------|--------|---------|
| CONST        | -2387.475   | 8510.933 | -0.281 | 78%     |
| Econ.HH      | 1154.181    | 152.715  | 7.558  | 0%      |
| mBin.Apr2012 | 1634.705    | 312.183  | 5.236  | 0%      |
| MA(1)        | 0.879       | 0.044    | 20.003 | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 14        |
| Adjusted Observations     | 144       |
| Deg. of Freedom for Error | 140       |
| R-Squared                 | 0.764     |
| Adjusted R-Squared        | 0.759     |
| AIC                       | 12.871    |
| BIC                       | 12.953    |
| F-Statistic               | 150.828   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1127.01  |
| Model Sum of Squares      | 171126954 |
| Sum of Squared Errors     | 52947218  |
| Mean Squared Error        | 378194.41 |
| Std. Error of Regression  | 614.98    |
| Mean Abs. Dev. (MAD)      | 486.65    |
| Mean Abs. % Err. (MAPE)   | 0.79%     |
| Durbin-Watson Statistic   | 0.678     |
| Durbin-H Statistic        | 2.680     |
| Ljung-Box Statistic       | 1354.17   |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -0.040    |
| Kurtosis                  | 2.551     |
| Jarque-Bera               | 1.250     |
| Prob (Jarque-Bera)        | 0.535     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable     | Coefficient | Mean   | Elast |
|--------------|-------------|--------|-------|
| Econ.HH      | 1154.181    | 55.718 | 1.038 |
| mBin.Apr2012 | 1634.705    | 0.007  | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable        | Coefficient | StdErr | T-Stat | P-Value |
|-----------------|-------------|--------|--------|---------|
| ResCusts.Filled | 0.071       | 0.002  | 30.084 | 0%      |
| mBin.TrendVar   | 38.341      | 7.738  | 4.955  | 0%      |
| AR(1)           | 0.873       | 0.042  | 21.000 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 8        |
| Adjusted Observations     | 143      |
| Deg. of Freedom for Error | 140      |
| R-Squared                 | 0.972    |
| Adjusted R-Squared        | 0.972    |
| AIC                       | 7.223    |
| BIC                       | 7.286    |
| F-Statistic               | 1648.965 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -716.38  |
| Model Sum of Squares      | 6643426  |
| Sum of Squared Errors     | 188013   |
| Mean Squared Error        | 1342.95  |
| Std. Error of Regression  | 36.65    |
| Mean Abs. Dev. (MAD)      | 23.38    |
| Mean Abs. % Err. (MAPE)   | 0.46%    |
| Durbin-Watson Statistic   | 2.389    |
| Durbin-H Statistic        | -0.062   |
| Ljung-Box Statistic       | 33.45    |
| Prob (Ljung-Box)          | 0.095    |
| Skewness                  | 1.129    |
| Kurtosis                  | 9.610    |
| Jarque-Bera               | 290.714  |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable        | Coefficient | Mean      | Elast |
|-----------------|-------------|-----------|-------|
| ResCusts.Filled | 0.071       | 61958.299 | 0.864 |
| mBin.TrendVar   | 38.341      | 18.042    | 0.136 |



**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2024:1  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 4.661       | 0.166  | 28.065 | 0%      |
| mPeakVars.CoolingVar | 6.527       | 0.566  | 11.530 | 0%      |
| mPeakVars.BaseVar    | 0.227       | 0.006  | 40.007 | 0%      |
| mBin.Mar             | 24.595      | 6.088  | 4.040  | 0%      |
| mBin.Oct             | -26.095     | 6.097  | -4.280 | 0%      |
| mBin.Nov             | -11.415     | 5.961  | -1.915 | 6%      |
| mBin.Mar16           | -64.641     | 19.566 | -3.304 | 0%      |
| mBin.Apr17           | -39.972     | 18.968 | -2.107 | 4%      |
| mBin.Feb19           | -45.298     | 18.917 | -2.395 | 2%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 145     |
| Deg. of Freedom for Error | 136     |
| R-Squared                 | 0.911   |
| Adjusted R-Squared        | 0.906   |
| AIC                       | 5.920   |
| BIC                       | 6.105   |
| F-Statistic               | 154.713 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -625.98 |
| Model Sum of Squares      | 488567  |
| Sum of Squared Errors     | 47719   |
| Mean Squared Error        | 350.88  |
| Std. Error of Regression  | 18.73   |
| Mean Abs. Dev. (MAD)      | 14.07   |
| Mean Abs. % Err. (MAPE)   | 5.39%   |
| Durbin-Watson Statistic   | 1.644   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 23.51   |
| Prob (Ljung-Box)          | 0.490   |
| Skewness                  | 0.302   |
| Kurtosis                  | 4.026   |
| Jarque-Bera               | 8.564   |
| Prob (Jarque-Bera)        | 0.014   |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 4.661       | 13.787  | 0.248  |
| mPeakVars.CoolingVar | 6.527       | 3.136   | 0.079  |
| mPeakVars.BaseVar    | 0.227       | 779.878 | 0.681  |
| mBin.Mar             | 24.595      | 0.083   | 0.008  |
| mBin.Oct             | -26.095     | 0.083   | -0.008 |
| mBin.Nov             | -11.415     | 0.083   | -0.004 |
| mBin.Mar16           | -64.641     | 0.007   | -0.002 |
| mBin.Apr17           | -39.972     | 0.007   | -0.001 |
| mBin.Feb19           | -45.298     | 0.007   | -0.001 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\South  
**Model:** PubBldgCusts  
**Dependent Variable:** mSales.PubBldgCusts  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2012:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable      | Coefficient | StdErr | T-Stat  | P-Value |
|---------------|-------------|--------|---------|---------|
| CONST         | 716.559     | 3.941  | 181.843 | 0%      |
| mBin.TrendVar | 9.629       | 0.215  | 44.876  | 0%      |
| MA(1)         | 0.465       | 0.075  | 6.226   | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 11       |
| Adjusted Observations     | 144      |
| Deg. of Freedom for Error | 141      |
| R-Squared                 | 0.968    |
| Adjusted R-Squared        | 0.968    |
| AIC                       | 3.652    |
| BIC                       | 3.714    |
| F-Statistic               | 2134.627 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -464.28  |
| Model Sum of Squares      | 161258   |
| Sum of Squared Errors     | 5326     |
| Mean Squared Error        | 37.77    |
| Std. Error of Regression  | 6.15     |
| Mean Abs. Dev. (MAD)      | 4.42     |
| Mean Abs. % Err. (MAPE)   | 0.50%    |
| Durbin-Watson Statistic   | 1.750    |
| Durbin-H Statistic        | -0.580   |
| Ljung-Box Statistic       | 49.09    |
| Prob (Ljung-Box)          | 0.002    |
| Skewness                  | 1.204    |
| Kurtosis                  | 5.919    |
| Jarque-Bera               | 85.920   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable      | Coefficient | Mean   | Elast |
|---------------|-------------|--------|-------|
| mBin.TrendVar | 9.629       | 18.042 | 0.195 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\SLCusts  
**Exponential Smoothing Model:** SLCusts  
**Dependent Variable:** mSales.SLCusts  
**Date:** December 06, 2024  
**Time:** 11:14 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.335       |

**Model Statistics**

|                           |         |
|---------------------------|---------|
| Iterations                | 7       |
| Adjusted Observations     | 168     |
| Deg. of Freedom for Error | 167     |
| R-Squared                 | 0.423   |
| Adjusted R-Squared        | 0.423   |
| AIC                       | 0.090   |
| BIC                       | 0.109   |
| F-Statistic               | 122.284 |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -244.94 |
| Model Sum of Squares      | 133     |
| Sum of Squared Errors     | 182     |
| Mean Squared Error        | 1.09    |
| Std. Error of Regression  | 1.04    |
| Mean Abs. Dev. (MAD)      | 0.59    |
| Mean Abs. % Err. (MAPE)   | 2.64%   |
| Durbin-Watson Statistic   | 2.162   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 33.66   |
| Prob (Ljung-Box)          | 0.091   |
| Skewness                  | -0.415  |
| Kurtosis                  | 8.969   |
| Jarque-Bera               | 254.2   |
| Prob (Jarque-Bera)        | 0.000   |

**Forecast Statistics**

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** ResAvgUse  
**Dependent Variable:** mSales.ResAvgUse  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat  | P-Value |
|----------------------|-------------|--------|---------|---------|
| mStructResRev.XHeat  | 1.090       | 0.018  | 58.993  | 0%      |
| mStructResRev.XCool  | 1.093       | 0.028  | 39.149  | 0%      |
| mStructResRev.XOther | 1.068       | 0.027  | 39.342  | 0%      |
| mBin.Yr2012Plus      | -68.733     | 16.318 | -4.212  | 0%      |
| mBin.Yr2018Plus      | -102.943    | 8.790  | -11.712 | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 156      |
| Deg. of Freedom for Error | 151      |
| R-Squared                 | 0.962    |
| Adjusted R-Squared        | 0.961    |
| AIC                       | 7.944    |
| BIC                       | 8.042    |
| F-Statistic               | 772.894  |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -835.99  |
| Model Sum of Squares      | 10555253 |
| Sum of Squared Errors     | 412435   |
| Mean Squared Error        | 2731.36  |
| Std. Error of Regression  | 52.26    |
| Mean Abs. Dev. (MAD)      | 40.87    |
| Mean Abs. % Err. (MAPE)   | 3.76%    |
| Durbin-Watson Statistic   | 1.204    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 130.75   |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | 0.019    |
| Kurtosis                  | 3.094    |
| Jarque-Bera               | 0.067    |
| Prob (Jarque-Bera)        | 0.967    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mStructResRev.XHeat  | 1.090       | 280.434 | 0.282  |
| mStructResRev.XCool  | 1.093       | 170.063 | 0.171  |
| mStructResRev.XOther | 1.068       | 658.174 | 0.648  |
| mBin.Yr2012Plus      | -68.733     | 0.923   | -0.058 |
| mBin.Yr2018Plus      | -102.943    | 0.462   | -0.044 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** ComSales  
**Dependent Variable:** mSales.ComSales  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr  | T-Stat | P-Value |
|----------------------|-------------|---------|--------|---------|
| mStructComRev.XHeat  | 18012.493   | 618.427 | 29.126 | 0%      |
| mStructComRev.XCool  | 8595.617    | 232.950 | 36.899 | 0%      |
| mStructComRev.XOther | 876.651     | 23.751  | 36.911 | 0%      |
| mBin.Aug13Plus       | 812.911     | 103.190 | 7.878  | 0%      |
| mBin.May15Plus       | -527.944    | 97.781  | -5.399 | 0%      |
| mBin.Yr2018Plus      | -413.406    | 106.687 | -3.875 | 0%      |
| mBin.TrendVar        | -46.912     | 20.002  | -2.345 | 2%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 1         |
| Adjusted Observations     | 156       |
| Deg. of Freedom for Error | 149       |
| R-Squared                 | 0.921     |
| Adjusted R-Squared        | 0.918     |
| AIC                       | 11.554    |
| BIC                       | 11.691    |
| F-Statistic               | 248.800   |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -1115.55  |
| Model Sum of Squares      | 173635992 |
| Sum of Squared Errors     | 14855166  |
| Mean Squared Error        | 99699.10  |
| Std. Error of Regression  | 315.75    |
| Mean Abs. Dev. (MAD)      | 235.79    |
| Mean Abs. % Err. (MAPE)   | 2.17%     |
| Durbin-Watson Statistic   | 0.988     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 130.04    |
| Prob (Ljung-Box)          | 0.000     |
| Skewness                  | -0.653    |
| Kurtosis                  | 3.967     |
| Jarque-Bera               | 17.161    |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable             | Coefficient | Mean   | Elast  |
|----------------------|-------------|--------|--------|
| mStructComRev.XHeat  | 18012.493   | 0.045  | 0.073  |
| mStructComRev.XCool  | 8595.617    | 0.144  | 0.111  |
| mStructComRev.XOther | 876.651     | 11.174 | 0.880  |
| mBin.Aug13Plus       | 812.911     | 0.801  | 0.059  |
| mBin.May15Plus       | -527.944    | 0.667  | -0.032 |
| mBin.Yr2018Plus      | -413.406    | 0.462  | -0.017 |
| mBin.TrendVar        | -46.912     | 17.542 | -0.074 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** ResCusts  
**Dependent Variable:** mSales.ResCusts  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable     | Coefficient | StdErr | T-Stat  | P-Value |
|--------------|-------------|--------|---------|---------|
| Econ.HH      | 1041.344    | 6.173  | 168.707 | 0%      |
| mBin.Dec2022 | 220.143     | 66.514 | 3.310   | 0%      |
| AR(1)        | 0.948       | 0.024  | 39.317  | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 9        |
| Adjusted Observations     | 167      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.978    |
| Adjusted R-Squared        | 0.977    |
| AIC                       | 9.059    |
| BIC                       | 9.115    |
| F-Statistic               | 2401.288 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -990.42  |
| Model Sum of Squares      | 60853540 |
| Sum of Squared Errors     | 1385365  |
| Mean Squared Error        | 8447.35  |
| Std. Error of Regression  | 91.91    |
| Mean Abs. Dev. (MAD)      | 73.23    |
| Mean Abs. % Err. (MAPE)   | 0.31%    |
| Durbin-Watson Statistic   | 2.879    |
| Durbin-H Statistic        | 0.233    |
| Ljung-Box Statistic       | 64.46    |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -0.484   |
| Kurtosis                  | 3.669    |
| Jarque-Bera               | 9.629    |
| Prob (Jarque-Bera)        | 0.008    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable     | Coefficient | Mean   | Elast |
|--------------|-------------|--------|-------|
| Econ.HH      | 1041.344    | 22.399 | 1.002 |
| mBin.Dec2022 | 220.143     | 0.006  | 0.000 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** ComCusts  
**Dependent Variable:** mSales.ComCusts  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable               | Coefficient | StdErr  | T-Stat  | P-Value |
|------------------------|-------------|---------|---------|---------|
| CONST                  | 3115.644    | 9.872   | 315.590 | 0%      |
| mBin.Oct15             | -229.644    | 113.447 | -2.024  | 4%      |
| mBin.Dec2023Plus       | -39.043     | 114.838 | -0.340  | 73%     |
| mBin.Year2021PlusTrend | 6.683       | 0.955   | 6.999   | 0%      |

#### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 1        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 164      |
| R-Squared                 | 0.251    |
| Adjusted R-Squared        | 0.237    |
| AIC                       | 9.479    |
| BIC                       | 9.553    |
| F-Statistic               | 18.316   |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -1030.58 |
| Model Sum of Squares      | 701838   |
| Sum of Squared Errors     | 2094721  |
| Mean Squared Error        | 12772.69 |
| Std. Error of Regression  | 113.02   |
| Mean Abs. Dev. (MAD)      | 87.61    |
| Mean Abs. % Err. (MAPE)   | 2.86%    |
| Durbin-Watson Statistic   | 0.060    |
| Durbin-H Statistic        | 0.538    |
| Ljung-Box Statistic       | 2026.42  |
| Prob (Ljung-Box)          | 0.000    |
| Skewness                  | -1.071   |
| Kurtosis                  | 3.287    |
| Jarque-Bera               | 32.703   |
| Prob (Jarque-Bera)        | 0.000    |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable               | Coefficient | Mean  | Elast  |
|------------------------|-------------|-------|--------|
| mBin.Oct15             | -229.644    | 0.006 | -0.000 |
| mBin.Dec2023Plus       | -39.043     | 0.006 | -0.000 |
| mBin.Year2021PlusTrend | 6.683       | 4.830 | 0.010  |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** Peaks  
**Dependent Variable:** mLoad.Peak  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2010:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable             | Coefficient | StdErr | T-Stat | P-Value |
|----------------------|-------------|--------|--------|---------|
| mPeakVars.HeatingVar | 1.271       | 0.070  | 18.051 | 0%      |
| mPeakVars.CoolingVar | 1.681       | 0.136  | 12.321 | 0%      |
| mPeakVars.BaseVar    | 0.254       | 0.006  | 43.644 | 0%      |
| mBin.Yr2012          | -5.412      | 2.164  | -2.501 | 1%      |
| mBin.Yr2013          | -3.439      | 2.067  | -1.663 | 10%     |
| mBin.May             | -9.753      | 2.138  | -4.562 | 0%      |
| mBin.Oct             | -8.335      | 2.225  | -3.745 | 0%      |
| mBin.Nov             | -4.423      | 2.099  | -2.108 | 4%      |
| mBin.Mar12           | 21.604      | 7.321  | 2.951  | 0%      |
| mBin.Apr17           | -15.151     | 6.949  | -2.180 | 3%      |

#### Model Statistics

|                           |         |
|---------------------------|---------|
| Iterations                | 1       |
| Adjusted Observations     | 156     |
| Deg. of Freedom for Error | 146     |
| R-Squared                 | 0.868   |
| Adjusted R-Squared        | 0.860   |
| AIC                       | 3.924   |
| BIC                       | 4.119   |
| F-Statistic               | 96.229  |
| Prob (F-Statistic)        | 0.000   |
| Log-Likelihood            | -517.40 |
| Model Sum of Squares      | 45751   |
| Sum of Squared Errors     | 6941    |
| Mean Squared Error        | 47.54   |
| Std. Error of Regression  | 6.90    |
| Mean Abs. Dev. (MAD)      | 4.97    |
| Mean Abs. % Err. (MAPE)   | 4.82%   |
| Durbin-Watson Statistic   | 1.597   |
| Durbin-H Statistic        | 0.000   |
| Ljung-Box Statistic       | 17.46   |
| Prob (Ljung-Box)          | 0.828   |
| Skewness                  | 0.343   |
| Kurtosis                  | 4.321   |
| Jarque-Bera               | 14.394  |
| Prob (Jarque-Bera)        | 0.001   |

#### Forecast Statistics

|                                |         |
|--------------------------------|---------|
| Forecast Observations          | 1       |
| Mean Abs. Dev. (MAD)           | 23.87   |
| Mean Abs. % Err. (MAPE)        | 14.20%  |
| Avg. Forecast Error            | 23.87   |
| Mean % Error                   | 14.20%  |
| Root Mean-Square Error         | 23.87   |
| Theil's Inequality Coefficient | 0.076   |
| -- Bias Proportion             | 100.00% |
| -- Variance Proportion         | 0.00%   |
| -- Covariance Proportion       | 0.00%   |

| Variable             | Coefficient | Mean    | Elast  |
|----------------------|-------------|---------|--------|
| mPeakVars.HeatingVar | 1.271       | 12.288  | 0.154  |
| mPeakVars.CoolingVar | 1.681       | 5.478   | 0.091  |
| mPeakVars.BaseVar    | 0.254       | 310.418 | 0.778  |
| mBin.Yr2012          | -5.412      | 0.077   | -0.004 |
| mBin.Yr2013          | -3.439      | 0.077   | -0.003 |
| mBin.May             | -9.753      | 0.083   | -0.008 |
| mBin.Oct             | -8.335      | 0.083   | -0.007 |
| mBin.Nov             | -4.423      | 0.083   | -0.004 |



| Variable   | Coefficient | Mean  | Elast  |
|------------|-------------|-------|--------|
| mBin.Mar12 | 21.604      | 0.006 | 0.001  |
| mBin.Apr17 | -15.151     | 0.006 | -0.001 |

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| Project:                     | H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\T |
| Exponential Smoothing Model: | SLCusts                                                                       |
| Dependent Variable:          | mSales.SLCusts                                                                |
| Date:                        | December 06, 2024                                                             |
| Time:                        | 11:15 AM                                                                      |
| Estimation Begin Date:       | 2010:1                                                                        |
| Estimation End Date:         | 2023:12                                                                       |
| Forecast Period End Date:    | 2044:12                                                                       |

| Variable | Coefficient |
|----------|-------------|
| Simple   | 0.754       |

### Model Statistics

|                           |          |
|---------------------------|----------|
| Iterations                | 9        |
| Adjusted Observations     | 168      |
| Deg. of Freedom for Error | 167      |
| R-Squared                 | 0.940    |
| Adjusted R-Squared        | 0.940    |
| AIC                       | -2.783   |
| BIC                       | -2.765   |
| F-Statistic               | 2597.201 |
| Prob (F-Statistic)        | 0.000    |
| Log-Likelihood            | -3.58    |
| Model Sum of Squares      | 160      |
| Sum of Squared Errors     | 10       |
| Mean Squared Error        | 0.06     |
| Std. Error of Regression  | 0.25     |
| Mean Abs. Dev. (MAD)      | 0.06     |
| Mean Abs. % Err. (MAPE)   | 0.73%    |
| Durbin-Watson Statistic   | 2.046    |
| Durbin-H Statistic        | 0.000    |
| Ljung-Box Statistic       | 17.17    |
| Prob (Ljung-Box)          | 0.841    |
| Skewness                  | -0.604   |
| Kurtosis                  | 26.336   |
| Jarque-Bera               | 3822.3   |
| Prob (Jarque-Bera)        | 0.000    |

### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.000 |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** SLSales  
**Dependent Variable:** mSales.SLSales  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2011:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr | T-Stat   | P-Value |
|-------------------|-------------|--------|----------|---------|
| mFcstRev.ResCusts | -0.004      | 0.002  | -1.616   | 11%     |
| mBin.Mar12        | -205.982    | 1.831  | -112.507 | 0%      |
| AR(1)             | 0.999       | 0.002  | 631.314  | 0%      |

#### Model Statistics

|                           |           |
|---------------------------|-----------|
| Iterations                | 36        |
| Adjusted Observations     | 155       |
| Deg. of Freedom for Error | 152       |
| R-Squared                 | 0.980     |
| Adjusted R-Squared        | 0.980     |
| AIC                       | 1.927     |
| BIC                       | 1.986     |
| F-Statistic               | 2455.333  |
| Prob (F-Statistic)        | 0.000     |
| Log-Likelihood            | -366.26   |
| Model Sum of Squares      | 49625     |
| Sum of Squared Errors     | 1024      |
| Mean Squared Error        | 6.74      |
| Std. Error of Regression  | 2.60      |
| Mean Abs. Dev. (MAD)      | 0.84      |
| Mean Abs. % Err. (MAPE)   | 2.11%     |
| Durbin-Watson Statistic   | 2.823     |
| Durbin-H Statistic        | 0.000     |
| Ljung-Box Statistic       | 28.20     |
| Prob (Ljung-Box)          | 0.252     |
| Skewness                  | -1.220    |
| Kurtosis                  | 54.879    |
| Jarque-Bera               | 17420.698 |
| Prob (Jarque-Bera)        | 0.000     |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable          | Coefficient | Mean      | Elast  |
|-------------------|-------------|-----------|--------|
| mFcstRev.ResCusts | -0.004      | 23328.590 | -1.557 |
| mBin.Mar12        | -205.982    | 0.006     | -0.025 |

**Project:** H:\Power Supply Analytics\Load Forecasting\Long-Term\2024\Fcst2024\Projects\Taylor  
**Model:** IndSales  
**Dependent Variable:** mSales.IndSales  
**Date:** December 06, 2024  
**Time:** 11:15 AM  
**Estimation Begin Date:** 2000:1  
**Estimation End Date:** 2023:12  
**Forecast Period End Date:** 2044:12

| Variable          | Coefficient | StdErr   | T-Stat | P-Value |
|-------------------|-------------|----------|--------|---------|
| mBin.Jan          | 6529.641    | 735.897  | 8.873  | 0%      |
| mBin.Feb          | 7361.827    | 735.897  | 10.004 | 0%      |
| mBin.Mar          | 6688.796    | 735.897  | 9.089  | 0%      |
| mBin.Apr          | 6812.391    | 735.897  | 9.257  | 0%      |
| mBin.May          | 6726.029    | 735.897  | 9.140  | 0%      |
| mBin.Jun          | 6534.538    | 738.179  | 8.852  | 0%      |
| mBin.Jul          | 7056.052    | 738.179  | 9.559  | 0%      |
| mBin.Aug          | 7284.411    | 738.179  | 9.868  | 0%      |
| mBin.Sep          | 6973.315    | 738.179  | 9.447  | 0%      |
| mBin.Oct          | 6203.425    | 738.179  | 8.404  | 0%      |
| mBin.Nov          | 6117.838    | 738.179  | 8.288  | 0%      |
| mBin.Dec          | 6532.794    | 738.179  | 8.850  | 0%      |
| mBin.June2023Plus | 3542.085    | 1391.924 | 2.545  | 1%      |

#### Model Statistics

|                           |             |
|---------------------------|-------------|
| Iterations                | 1           |
| Adjusted Observations     | 288         |
| Deg. of Freedom for Error | 275         |
| R-Squared                 | 0.033       |
| Adjusted R-Squared        | -0.009      |
| AIC                       | 16.424      |
| BIC                       | 16.590      |
| F-Statistic               | 0.723       |
| Prob (F-Statistic)        | 0.740       |
| Log-Likelihood            | -2760.76    |
| Model Sum of Squares      | 122138925   |
| Sum of Squared Errors     | 3574197538  |
| Mean Squared Error        | 12997081.96 |
| Std. Error of Regression  | 3605.15     |
| Mean Abs. Dev. (MAD)      | 3018.23     |
| Mean Abs. % Err. (MAPE)   | 105.11%     |
| Durbin-Watson Statistic   | 0.249       |
| Durbin-H Statistic        | 0.000       |
| Ljung-Box Statistic       | 2470.52     |
| Prob (Ljung-Box)          | 0.000       |
| Skewness                  | -0.327      |
| Kurtosis                  | 1.739       |
| Jarque-Bera               | 24.200      |
| Prob (Jarque-Bera)        | 0.000       |

#### Forecast Statistics

|                                |       |
|--------------------------------|-------|
| Forecast Observations          | 0     |
| Mean Abs. Dev. (MAD)           | 0.00  |
| Mean Abs. % Err. (MAPE)        | 0.00% |
| Avg. Forecast Error            | 0.00  |
| Mean % Error                   | 0.00% |
| Root Mean-Square Error         | 0.00  |
| Theil's Inequality Coefficient | 0.000 |
| -- Bias Proportion             | 0.00% |
| -- Variance Proportion         | 0.00% |
| -- Covariance Proportion       | 0.00% |

| Variable | Coefficient | Mean  | Elast |
|----------|-------------|-------|-------|
| mBin.Jan | 6529.641    | 0.083 | 0.080 |
| mBin.Feb | 7361.827    | 0.083 | 0.090 |
| mBin.Mar | 6688.796    | 0.083 | 0.082 |
| mBin.Apr | 6812.391    | 0.083 | 0.083 |
| mBin.May | 6726.029    | 0.083 | 0.082 |

| Variable          | Coefficient | Mean  | Elast |
|-------------------|-------------|-------|-------|
| mBin.Jun          | 6534.538    | 0.083 | 0.080 |
| mBin.Jul          | 7056.052    | 0.083 | 0.086 |
| mBin.Aug          | 7284.411    | 0.083 | 0.089 |
| mBin.Sep          | 6973.315    | 0.083 | 0.085 |
| mBin.Oct          | 6203.425    | 0.083 | 0.076 |
| mBin.Nov          | 6117.838    | 0.083 | 0.075 |
| mBin.Dec          | 6532.794    | 0.083 | 0.080 |
| mBin.June2023Plus | 3542.085    | 0.024 | 0.013 |