

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	3.418	0.101	33.828	0%
mStructResRev.XCool	0.822	0.049	16.614	0%
mStructResRev.XOther	0.905	0.037	24.269	0%
mBin.Yr11Plus	-64.249	28.982	-2.217	3%
mBin.Feb	-67.099	21.369	-3.140	0%
mBin.Mar	-158.302	23.805	-6.650	0%
mBin.Apr	-62.265	21.930	-2.839	1%
mBin.Nov10	328.870	66.241	4.965	0%
mBin.Oct15	-435.606	65.879	-6.612	0%
mBin.Yr2018Plus	-58.833	16.705	-3.522	0%
MA(1)	0.364	0.084	4.347	0%

Model Statistics

Iterations	16
Adjusted Observations	148
Deg. of Freedom for Error	137
R-Squared	0.953
Adjusted R-Squared	0.949
AIC	8.554
BIC	8.777
F-Statistic	251.389
Prob (F-Statistic)	0.000
Log-Likelihood	-831.99
Model Sum of Squares	13355294
Sum of Squared Errors	661660
Mean Squared Error	4829.64
Std. Error of Regression	69.50
Mean Abs. Dev. (MAD)	51.81
Mean Abs. % Err. (MAPE)	4.43%
Durbin-Watson Statistic	1.903
Durbin-H Statistic	0.000
Ljung-Box Statistic	90.26
Prob (Ljung-Box)	0.000
Skewness	0.655
Kurtosis	3.403
Jarque-Bera	11.582
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
mStructResRev.XHeat	3.418	97.267	0.277
mStructResRev.XCool	0.822	169.943	0.117
mStructResRev.XOther	0.905	919.705	0.694
mBin.Yr11Plus	-64.249	0.919	-0.049
mBin.Feb	-67.099	0.088	-0.005
mBin.Mar	-158.302	0.088	-0.012
mBin.Apr	-62.265	0.088	-0.005

Variable	Coefficient	Mean	Elast
mBin.Nov10	328.870	0.007	0.002
mBin.Oct15	-435.606	0.007	-0.002
mBin.Yr2018Plus	-58.833	0.351	-0.017

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	21669.312	1370.438	15.812	0%
mStructComRev.XCool	6467.240	422.912	15.292	0%
mStructComRev.XOther	850.955	15.680	54.269	0%
mBin.Yr2010	977.398	349.715	2.795	1%
mBin.Yr2016Plus	-490.857	204.423	-2.401	2%
mBin.Oct15	-4339.303	357.792	-12.128	0%
mBin.Nov2012	-2124.438	356.379	-5.961	0%
AR(1)	0.671	0.065	10.320	0%

Model Statistics

Iterations	11
Adjusted Observations	147
Deg. of Freedom for Error	139
R-Squared	0.872
Adjusted R-Squared	0.866
AIC	12.176
BIC	12.339
F-Statistic	118.377
Prob (F-Statistic)	0.000
Log-Likelihood	-1095.54
Model Sum of Squares	174366831
Sum of Squared Errors	25592976
Mean Squared Error	184122.13
Std. Error of Regression	429.09
Mean Abs. Dev. (MAD)	323.90
Mean Abs. % Err. (MAPE)	2.79%
Durbin-Watson Statistic	2.015
Durbin-H Statistic	0.000
Ljung-Box Statistic	60.75
Prob (Ljung-Box)	0.000
Skewness	0.329
Kurtosis	4.036
Jarque-Bera	9.229
Prob (Jarque-Bera)	0.010

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	21669.312	0.043	0.080
mStructComRev.XCool	6467.240	0.147	0.082
mStructComRev.XOther	850.955	11.608	0.858
mBin.Yr2010	977.398	0.081	0.007
mBin.Yr2016Plus	-490.857	0.514	-0.022
mBin.Oct15	-4339.303	0.007	-0.003
mBin.Nov2012	-2124.438	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2009:12
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	-534.967	2604.052	-0.205	84%
mBin.Jan	437.760	82.463	5.309	0%
mBin.Feb	136.888	121.402	1.128	26%
mBin.Mar	694.935	140.701	4.939	0%
mBin.Apr	458.494	152.750	3.002	0%
mBin.May	889.775	157.846	5.637	0%
mBin.Jun	1224.055	160.699	7.617	0%
mBin.Jul	1298.038	159.478	8.139	0%
mBin.Aug	1590.159	154.131	10.317	0%
mBin.Sep	962.140	143.393	6.710	0%
mBin.Oct	794.930	123.638	6.430	0%
mBin.Nov	171.557	83.463	2.055	4%
mBin.Yr2018Plus	464.006	189.439	2.449	2%
mBin.Apr11	-592.369	194.442	-3.047	0%
mBin.Apr2020	-876.995	193.765	-4.526	0%
Econ.EmpNonMan	167.715	80.922	2.073	4%
AR(1)	0.652	0.084	7.791	0%
MA(1)	0.327	0.106	3.094	0%

Model Statistics

Iterations	12
Adjusted Observations	148
Deg. of Freedom for Error	130
R-Squared	0.883
Adjusted R-Squared	0.868
AIC	11.283
BIC	11.647
F-Statistic	57.770
Prob (F-Statistic)	0.000
Log-Likelihood	-1026.94
Model Sum of Squares	69656299
Sum of Squared Errors	9220529
Mean Squared Error	70927.14
Std. Error of Regression	266.32
Mean Abs. Dev. (MAD)	187.13
Mean Abs. % Err. (MAPE)	3.25%
Durbin-Watson Statistic	1.963
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.03
Prob (Ljung-Box)	0.695
Skewness	0.245
Kurtosis	4.239
Jarque-Bera	10.952
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
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Variable	Coefficient	Mean	Elast
mBin.Jan	437.760	0.087	0.007
mBin.Feb	136.888	0.087	0.002
mBin.Mar	694.935	0.087	0.010
mBin.Apr	458.494	0.087	0.007
mBin.May	889.775	0.081	0.012
mBin.Jun	1224.055	0.081	0.017
mBin.Jul	1298.038	0.081	0.018
mBin.Aug	1590.159	0.081	0.022
mBin.Sep	962.140	0.081	0.013
mBin.Oct	794.930	0.081	0.011
mBin.Nov	171.557	0.081	0.002
mBin.Yr2018Plus	464.006	0.349	0.028
mBin.Apr11	-592.369	0.007	-0.001
mBin.Apr2020	-876.995	0.007	-0.001
Econ.EmpNonMan	167.715	32.499	0.943

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	8046.040	12065.189	0.667	51%
Econ.HH	811.826	243.912	3.328	0%
AR(1)	0.948	0.036	26.083	0%

Model Statistics

Iterations	26
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.944
Adjusted R-Squared	0.943
AIC	9.220
BIC	9.281
F-Statistic	1202.598
Prob (F-Statistic)	0.000
Log-Likelihood	-883.22
Model Sum of Squares	23789866
Sum of Squared Errors	1424309
Mean Squared Error	9891.03
Std. Error of Regression	99.45
Mean Abs. Dev. (MAD)	73.36
Mean Abs. % Err. (MAPE)	0.15%
Durbin-Watson Statistic	2.220
Durbin-H Statistic	0.087
Ljung-Box Statistic	30.91
Prob (Ljung-Box)	0.156
Skewness	0.290
Kurtosis	4.061
Jarque-Bera	8.958
Prob (Jarque-Bera)	0.011

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	811.826	49.197	0.834

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.076	0.000	255.814	0%
mBin.Feb2019	252.786	11.360	22.253	0%
mBin.Feb2016	61.696	11.359	5.431	0%
AR(1)	0.912	0.034	27.025	0%

Model Statistics

Iterations	9
Adjusted Observations	147
Deg. of Freedom for Error	143
R-Squared	0.899
Adjusted R-Squared	0.897
AIC	5.499
BIC	5.580
F-Statistic	317.279
Prob (F-Statistic)	0.000
Log-Likelihood	-608.74
Model Sum of Squares	301936
Sum of Squared Errors	34021
Mean Squared Error	237.91
Std. Error of Regression	15.42
Mean Abs. Dev. (MAD)	11.52
Mean Abs. % Err. (MAPE)	0.31%
Durbin-Watson Statistic	2.000
Durbin-H Statistic	-0.148
Ljung-Box Statistic	15.69
Prob (Ljung-Box)	0.899
Skewness	0.590
Kurtosis	3.730
Jarque-Bera	11.799
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
ResCusts.Filled	0.076	47884.027	1.000
mBin.Feb2019	252.786	0.007	0.000
mBin.Feb2016	61.696	0.007	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Jacks
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	2.424	0.116	20.867	0%
mPeakVars.CoolingVar	4.304	0.333	12.940	0%
mPeakVars.BaseVar	0.217	0.005	43.284	0%
mBin.Yr2016Plus	-11.421	2.050	-5.571	0%
mBin.Mar	25.759	3.678	7.004	0%
mBin.May	-11.003	3.785	-2.907	0%
mBin.Oct14	-33.979	11.600	-2.929	0%
mBin.Feb15	63.744	11.865	5.372	0%
mBin.Mar16	-43.575	12.014	-3.627	0%
mBin.Oct16	-26.439	11.615	-2.276	2%

Model Statistics

Iterations	1
Adjusted Observations	136
Deg. of Freedom for Error	126
R-Squared	0.919
Adjusted R-Squared	0.914
AIC	4.948
BIC	5.162
F-Statistic	143.901
Prob (F-Statistic)	0.000
Log-Likelihood	-519.45
Model Sum of Squares	188940
Sum of Squared Errors	16544
Mean Squared Error	131.30
Std. Error of Regression	11.46
Mean Abs. Dev. (MAD)	8.15
Mean Abs. % Err. (MAPE)	4.41%
Durbin-Watson Statistic	1.602
Durbin-H Statistic	0.000
Ljung-Box Statistic	27.15
Prob (Ljung-Box)	0.298
Skewness	0.079
Kurtosis	3.851
Jarque-Bera	4.248
Prob (Jarque-Bera)	0.120

Forecast Statistics

Forecast Observations	1
Mean Abs. Dev. (MAD)	12.84
Mean Abs. % Err. (MAPE)	8.40%
Avg. Forecast Error	12.84
Mean % Error	8.40%
Root Mean-Square Error	12.84
Theil's Inequality Coefficient	0.044
-- Bias Proportion	100.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Variable	Coefficient	Mean	Elast
mPeakVars.HeatingVar	2.424	14.372	0.192
mPeakVars.CoolingVar	4.304	3.469	0.082
mPeakVars.BaseVar	0.217	633.285	0.755
mBin.Yr2016Plus	-11.421	0.559	-0.035
mBin.Mar	25.759	0.088	0.013
mBin.May	-11.003	0.081	-0.005
mBin.Oct14	-33.979	0.007	-0.001
mBin.Feb15	63.744	0.007	0.003

Variable	Coefficient	Mean	Elast
mBin.Mar16	-43.575	0.007	-0.002
mBin.Oct16	-26.439	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.069	0.022	48.180	0%
mStructResRev.XCool	1.072	0.024	44.441	0%
mStructResRev.XOther	0.994	0.020	50.611	0%
mBin.Yr16Plus	-80.988	10.698	-7.570	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	144
R-Squared	0.948
Adjusted R-Squared	0.947
AIC	8.317
BIC	8.398
F-Statistic	655.289
Prob (F-Statistic)	0.000
Log-Likelihood	-821.49
Model Sum of Squares	10449515
Sum of Squared Errors	574071
Mean Squared Error	3986.60
Std. Error of Regression	63.14
Mean Abs. Dev. (MAD)	50.01
Mean Abs. % Err. (MAPE)	3.93%
Durbin-Watson Statistic	2.430
Durbin-H Statistic	0.000
Ljung-Box Statistic	53.96
Prob (Ljung-Box)	0.000
Skewness	-0.051
Kurtosis	2.796
Jarque-Bera	0.321
Prob (Jarque-Bera)	0.852

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	1.069	310.948	0.256
mStructResRev.XCool	1.072	252.652	0.208
mStructResRev.XOther	0.994	742.865	0.568
mBin.Yr16Plus	-80.988	0.514	-0.032

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	30589.686	1894.333	16.148	0%
mStructComRev.XCool	13771.921	574.993	23.951	0%
mStructComRev.XOther	1253.484	15.530	80.712	0%
mBin.Yr16Plus	-427.970	119.414	-3.584	0%
mBin.Mar10	886.384	689.145	1.286	20%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	143
R-Squared	0.853
Adjusted R-Squared	0.849
AIC	13.087
BIC	13.188
F-Statistic	165.651
Prob (F-Statistic)	0.000
Log-Likelihood	-1173.45
Model Sum of Squares	386732797
Sum of Squared Errors	66770395
Mean Squared Error	466925.84
Std. Error of Regression	683.32
Mean Abs. Dev. (MAD)	486.14
Mean Abs. % Err. (MAPE)	2.71%
Durbin-Watson Statistic	1.071
Durbin-H Statistic	0.000
Ljung-Box Statistic	209.08
Prob (Ljung-Box)	0.000
Skewness	0.751
Kurtosis	6.214
Jarque-Bera	77.623
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	30589.686	0.042	0.073
mStructComRev.XCool	13771.921	0.148	0.115
mStructComRev.XOther	1253.484	11.643	0.824
mBin.Yr16Plus	-427.970	0.514	-0.012
mBin.Mar10	886.384	0.007	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.ManEmp	2197.258	137.985	15.924	0%
ComSales.Filled	0.082	0.053	1.545	12%
mBin.Yr2018Plus	837.401	238.149	3.516	0%
mBin.Feb	-1440.041	163.181	-8.825	0%
mBin.May	1511.145	209.862	7.201	0%
mBin.Jun	2294.642	259.455	8.844	0%
mBin.Jul	2663.831	302.209	8.815	0%
mBin.Aug	3193.897	316.173	10.102	0%
mBin.Sep	1799.496	245.633	7.326	0%
mBin.Oct	1633.000	196.083	8.328	0%
AR(1)	0.493	0.075	6.589	0%

Model Statistics

Iterations	11
Adjusted Observations	147
Deg. of Freedom for Error	136
R-Squared	0.946
Adjusted R-Squared	0.942
AIC	13.005
BIC	13.229
F-Statistic	217.394
Prob (F-Statistic)	0.000
Log-Likelihood	-1153.44
Model Sum of Squares	989317651
Sum of Squared Errors	56264553
Mean Squared Error	413709.94
Std. Error of Regression	643.20
Mean Abs. Dev. (MAD)	453.40
Mean Abs. % Err. (MAPE)	2.64%
Durbin-Watson Statistic	2.024
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.28
Prob (Ljung-Box)	0.680
Skewness	-0.960
Kurtosis	7.590
Jarque-Bera	151.663
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
mEcon.ManEmp	2197.258	6.684	0.847
ComSales.Filled	0.082	17701.721	0.084
mBin.Yr2018Plus	837.401	0.351	0.017
mBin.Feb	-1440.041	0.088	-0.007
mBin.May	1511.145	0.081	0.007
mBin.Jun	2294.642	0.081	0.011
mBin.Jul	2663.831	0.081	0.012

Variable	Coefficient	Mean	Elast
mBin.Aug	3193.897	0.081	0.015
mBin.Sep	1799.496	0.081	0.008
mBin.Oct	1633.000	0.081	0.008

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	211.761	77.687	2.726	1%
mFcstRev.ResCusts	0.000	0.002	0.114	91%
mBin.Sep15	14.153	26.470	0.535	59%
AR(1)	0.093	0.573	0.162	87%

Model Statistics

Iterations	10
Adjusted Observations	147
Deg. of Freedom for Error	143
R-Squared	0.003
Adjusted R-Squared	-0.017
AIC	6.574
BIC	6.656
F-Statistic	0.166
Prob (F-Statistic)	0.919
Log-Likelihood	-687.79
Model Sum of Squares	347
Sum of Squared Errors	99736
Mean Squared Error	697.46
Std. Error of Regression	26.41
Mean Abs. Dev. (MAD)	6.45
Mean Abs. % Err. (MAPE)	4.40%
Durbin-Watson Statistic	1.051
Durbin-H Statistic	0.000
Ljung-Box Statistic	0.56
Prob (Ljung-Box)	1.000
Skewness	-11.222
Kurtosis	132.822
Jarque-Bera	106314.159
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	0.000	47108.851	0.041
mBin.Sep15	14.153	0.007	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	-56207.011	12430.285	-4.522	0%
Econ.Pop	840.552	96.632	8.698	0%
AR(1)	0.978	0.008	129.858	0%

Model Statistics

Iterations	24
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	1.000
Adjusted R-Squared	1.000
AIC	7.268
BIC	7.329
F-Statistic	269368.340
Prob (F-Statistic)	0.000
Log-Likelihood	-739.76
Model Sum of Squares	756686586
Sum of Squared Errors	202256
Mean Squared Error	1404.56
Std. Error of Regression	37.48
Mean Abs. Dev. (MAD)	29.86
Mean Abs. % Err. (MAPE)	0.06%
Durbin-Watson Statistic	1.432
Durbin-H Statistic	0.294
Ljung-Box Statistic	79.94
Prob (Ljung-Box)	0.000
Skewness	0.219
Kurtosis	2.870
Jarque-Bera	1.282
Prob (Jarque-Bera)	0.527

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	840.552	121.861	2.174

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.063	0.000	127.048	0%
AR(1)	0.972	0.025	39.525	0%

Model Statistics

Iterations	5
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.998
Adjusted R-Squared	0.998
AIC	3.963
BIC	4.003
F-Statistic	36802.767
Prob (F-Statistic)	0.000
Log-Likelihood	-497.84
Model Sum of Squares	3819414
Sum of Squared Errors	7524
Mean Squared Error	51.89
Std. Error of Regression	7.20
Mean Abs. Dev. (MAD)	4.99
Mean Abs. % Err. (MAPE)	0.17%
Durbin-Watson Statistic	1.764
Durbin-H Statistic	0.000
Ljung-Box Statistic	36.75
Prob (Ljung-Box)	0.046
Skewness	0.124
Kurtosis	5.496
Jarque-Bera	38.535
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	0.063	47108.851	1.005

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	41.258	11.426	3.611	0%
mPeakVars.HeatingVar	2.254	0.110	20.444	0%
mPeakVars.CoolingVar	5.491	0.205	26.827	0%
mPeakVars.BaseVar	0.201	0.020	10.065	0%
mBin.Feb	-5.887	3.489	-1.688	9%
mBin.Mar	10.949	3.515	3.115	0%
mBin.May	-9.005	3.270	-2.753	1%
mBin.Oct	-11.384	3.460	-3.290	0%
mBin.Nov	-10.248	3.392	-3.021	0%
mBin.Feb15	47.144	10.793	4.368	0%
mBin.Mar16	-30.025	10.665	-2.815	1%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	137
R-Squared	0.916
Adjusted R-Squared	0.909
AIC	4.725
BIC	4.948
F-Statistic	148.602
Prob (F-Statistic)	0.000
Log-Likelihood	-548.64
Model Sum of Squares	155943
Sum of Squared Errors	14377
Mean Squared Error	104.94
Std. Error of Regression	10.24
Mean Abs. Dev. (MAD)	7.72
Mean Abs. % Err. (MAPE)	3.48%
Durbin-Watson Statistic	1.822
Durbin-H Statistic	0.000
Ljung-Box Statistic	16.91
Prob (Ljung-Box)	0.853
Skewness	-0.021
Kurtosis	3.271
Jarque-Bera	0.465
Prob (Jarque-Bera)	0.793

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	2.254	12.621	0.130
mPeakVars.CoolingVar	5.491	6.021	0.151
mPeakVars.BaseVar	0.201	587.421	0.539
mBin.Feb	-5.887	0.088	-0.002
mBin.Mar	10.949	0.088	0.004
mBin.May	-9.005	0.081	-0.003
mBin.Oct	-11.384	0.081	-0.004

Variable	Coefficient	Mean	Elast
mBin.Nov	-10.248	0.081	-0.004
mBin.Feb15	47.144	0.007	0.001
mBin.Mar16	-30.025	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\SaltRi
Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.005	0.000	114.689	0%
AR(1)	0.941	0.022	42.881	0%

Model Statistics

Iterations	4
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.983
Adjusted R-Squared	0.983
AIC	0.661
BIC	0.701
F-Statistic	4123.500
Prob (F-Statistic)	0.000
Log-Likelihood	-255.15
Model Sum of Squares	15754
Sum of Squared Errors	277
Mean Squared Error	1.91
Std. Error of Regression	1.38
Mean Abs. Dev. (MAD)	1.03
Mean Abs. % Err. (MAPE)	0.46%
Durbin-Watson Statistic	2.058
Durbin-H Statistic	0.000
Ljung-Box Statistic	13.15
Prob (Ljung-Box)	0.964
Skewness	0.628
Kurtosis	4.444
Jarque-Bera	22.424
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	0.005	47108.851	0.996

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Taylor
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.009	0.020	49.925	0%
mStructResRev.XCool	1.187	0.038	31.211	0%
mStructResRev.XOther	1.049	0.033	31.341	0%
mBin.Yr2012Plus	-68.646	20.870	-3.289	0%
mBin.Yr2018Plus	-108.348	12.663	-8.556	0%
MA(1)	0.376	0.082	4.616	0%

Model Statistics

Iterations	18
Adjusted Observations	136
Deg. of Freedom for Error	130
R-Squared	0.967
Adjusted R-Squared	0.966
AIC	7.885
BIC	8.013
F-Statistic	632.926
Prob (F-Statistic)	0.000
Log-Likelihood	-723.14
Model Sum of Squares	9662602
Sum of Squared Errors	330775
Mean Squared Error	2544.42
Std. Error of Regression	50.44
Mean Abs. Dev. (MAD)	39.30
Mean Abs. % Err. (MAPE)	3.60%
Durbin-Watson Statistic	1.813
Durbin-H Statistic	0.000
Ljung-Box Statistic	52.02
Prob (Ljung-Box)	0.001
Skewness	0.194
Kurtosis	3.019
Jarque-Bera	0.855
Prob (Jarque-Bera)	0.652

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	1.009	317.827	0.291
mStructResRev.XCool	1.187	151.277	0.163
mStructResRev.XOther	1.049	671.070	0.640
mBin.Yr2012Plus	-68.646	0.912	-0.057
mBin.Yr2018Plus	-108.348	0.382	-0.038

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Taylor
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	21841.151	811.271	26.922	0%
mStructComRev.XCool	9430.272	295.576	31.905	0%
mStructComRev.XOther	801.987	9.321	86.042	0%
mBin.Aug13Plus	668.623	110.004	6.078	0%
mBin.May15Plus	-591.651	112.414	-5.263	0%
mBin.Yr2018Plus	-469.822	90.366	-5.199	0%
MA(1)	0.501	0.077	6.516	0%

Model Statistics

Iterations	17
Adjusted Observations	136
Deg. of Freedom for Error	129
R-Squared	0.940
Adjusted R-Squared	0.938
AIC	11.265
BIC	11.415
F-Statistic	290.847
Prob (F-Statistic)	0.000
Log-Likelihood	-952.01
Model Sum of Squares	151163745
Sum of Squared Errors	9578001
Mean Squared Error	74248.07
Std. Error of Regression	272.48
Mean Abs. Dev. (MAD)	213.71
Mean Abs. % Err. (MAPE)	1.96%
Durbin-Watson Statistic	1.809
Durbin-H Statistic	0.000
Ljung-Box Statistic	44.65
Prob (Ljung-Box)	0.006
Skewness	-0.237
Kurtosis	3.021
Jarque-Bera	1.280
Prob (Jarque-Bera)	0.527

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	21841.151	0.047	0.091
mStructComRev.XCool	9430.272	0.139	0.117
mStructComRev.XOther	801.987	11.099	0.795
mBin.Aug13Plus	668.623	0.772	0.046
mBin.May15Plus	-591.651	0.618	-0.033
mBin.Yr2018Plus	-469.822	0.382	-0.016

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\T
Exponential Smoothing Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.643
Trend	-0.039
Seasonal	0.167

Model Statistics

Iterations	13
Adjusted Observations	148
Deg. of Freedom for Error	144
R-Squared	0.868
Adjusted R-Squared	0.865
AIC	14.621
BIC	14.702
F-Statistic	235.749
Prob (F-Statistic)	0.000
Log-Likelihood	-1287.98
Model Sum of Squares	2055423986
Sum of Squared Errors	313873590
Mean Squared Error	2179677.71
Std. Error of Regression	1476.37
Mean Abs. Dev. (MAD)	1055.76
Mean Abs. % Err. (MAPE)	27.14%
Durbin-Watson Statistic	1.864
Durbin-H Statistic	0.000
Ljung-Box Statistic	25.07
Prob (Ljung-Box)	0.402
Skewness	-0.010
Kurtosis	5.102
Jarque-Bera	27.2
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\2022\Fcst2022\Projects\Taylor
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	1041.485	7.179	145.070	0%
AR(1)	0.953	0.026	36.580	0%

Model Statistics

Iterations	4
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.962
Adjusted R-Squared	0.962
AIC	8.952
BIC	8.993
F-Statistic	1851.794
Prob (F-Statistic)	0.000
Log-Likelihood	-864.57
Model Sum of Squares	28225082
Sum of Squared Errors	1105047
Mean Squared Error	7621.01
Std. Error of Regression	87.30
Mean Abs. Dev. (MAD)	71.27
Mean Abs. % Err. (MAPE)	0.31%
Durbin-Watson Statistic	3.016
Durbin-H Statistic	0.233
Ljung-Box Statistic	92.62
Prob (Ljung-Box)	0.000
Skewness	-0.215
Kurtosis	2.680
Jarque-Bera	1.756
Prob (Jarque-Bera)	0.416

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	1041.485	22.279	1.004

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Taylor
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.EmpNonMan	195.403	1.803	108.353	0%
mBin.Oct15	-293.906	17.010	-17.278	0%
AR(1)	0.934	0.028	33.737	0%

Model Statistics

Iterations	8
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.967
Adjusted R-Squared	0.966
AIC	6.322
BIC	6.383
F-Statistic	1402.952
Prob (F-Statistic)	0.000
Log-Likelihood	-670.22
Model Sum of Squares	2295157
Sum of Squared Errors	78525
Mean Squared Error	545.32
Std. Error of Regression	23.35
Mean Abs. Dev. (MAD)	17.70
Mean Abs. % Err. (MAPE)	0.57%
Durbin-Watson Statistic	2.158
Durbin-H Statistic	0.538
Ljung-Box Statistic	44.67
Prob (Ljung-Box)	0.006
Skewness	-0.059
Kurtosis	3.787
Jarque-Bera	3.875
Prob (Jarque-Bera)	0.144

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	195.403	16.088	1.004
mBin.Oct15	-293.906	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Taylor
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.267	0.077	16.361	0%
mPeakVars.CoolingVar	1.753	0.152	11.517	0%
mPeakVars.BaseVar	0.261	0.007	40.187	0%
mBin.Yr2012	-5.608	2.180	-2.572	1%
mBin.Yr2013	-3.480	2.080	-1.673	10%
mBin.May	-10.069	2.312	-4.356	0%
mBin.Oct	-8.098	2.410	-3.360	0%
mBin.Nov	-5.894	2.264	-2.604	1%
mBin.Mar12	22.187	7.339	3.023	0%
mBin.Apr17	-16.239	6.953	-2.335	2%

Model Statistics

Iterations	1
Adjusted Observations	136
Deg. of Freedom for Error	126
R-Squared	0.870
Adjusted R-Squared	0.861
AIC	3.930
BIC	4.144
F-Statistic	84.255
Prob (F-Statistic)	0.000
Log-Likelihood	-450.19
Model Sum of Squares	39950
Sum of Squared Errors	5974
Mean Squared Error	47.42
Std. Error of Regression	6.89
Mean Abs. Dev. (MAD)	4.94
Mean Abs. % Err. (MAPE)	4.79%
Durbin-Watson Statistic	1.412
Durbin-H Statistic	0.000
Ljung-Box Statistic	27.18
Prob (Ljung-Box)	0.296
Skewness	0.345
Kurtosis	4.783
Jarque-Bera	20.713
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	1.267	12.469	0.157
mPeakVars.CoolingVar	1.753	5.202	0.091
mPeakVars.BaseVar	0.261	299.267	0.778
mBin.Yr2012	-5.608	0.088	-0.005
mBin.Yr2013	-3.480	0.088	-0.003
mBin.May	-10.069	0.081	-0.008
mBin.Oct	-8.098	0.081	-0.007
mBin.Nov	-5.894	0.081	-0.005

Variable	Coefficient	Mean	Elast
mBin.Mar12	22.187	0.007	0.002
mBin.Apr17	-16.239	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\T
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.730

Model Statistics

Iterations	9
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.907
Adjusted R-Squared	0.907
AIC	-2.765
BIC	-2.745
F-Statistic	1439.779
Prob (F-Statistic)	0.000
Log-Likelihood	-4.38
Model Sum of Squares	90
Sum of Squared Errors	9
Mean Squared Error	0.06
Std. Error of Regression	0.25
Mean Abs. Dev. (MAD)	0.06
Mean Abs. % Err. (MAPE)	0.76%
Durbin-Watson Statistic	2.056
Durbin-H Statistic	0.000
Ljung-Box Statistic	18.61
Prob (Ljung-Box)	0.772
Skewness	-0.921
Kurtosis	26.152
Jarque-Bera	3326.2
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\2022\Fcst2022\Projects\Taylor
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mFcstRev.ResCusts	-0.001	0.001	-0.750	45%
mBin.Mar12	-205.911	0.776	-265.261	0%
AR(1)	0.999	0.001	745.392	0%

Model Statistics

Iterations	13
Adjusted Observations	135
Deg. of Freedom for Error	132
R-Squared	0.997
Adjusted R-Squared	0.997
AIC	0.214
BIC	0.278
F-Statistic	12856.131
Prob (F-Statistic)	0.000
Log-Likelihood	-202.99
Model Sum of Squares	46722
Sum of Squared Errors	160
Mean Squared Error	1.21
Std. Error of Regression	1.10
Mean Abs. Dev. (MAD)	0.51
Mean Abs. % Err. (MAPE)	0.89%
Durbin-Watson Statistic	1.886
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.08
Prob (Ljung-Box)	0.692
Skewness	0.633
Kurtosis	11.766
Jarque-Bera	441.292
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	23160.507	-0.345
mBin.Mar12	-205.911	0.007	-0.028

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.034	0.020	50.585	0%
mStructResRev.XCool	1.115	0.035	32.063	0%
mStructResRev.XOther	0.972	0.029	33.068	0%
mBin.Yr2015Plus	-57.983	11.907	-4.870	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	144
R-Squared	0.955
Adjusted R-Squared	0.954
AIC	8.487
BIC	8.568
F-Statistic	769.025
Prob (F-Statistic)	0.000
Log-Likelihood	-834.04
Model Sum of Squares	14530591
Sum of Squared Errors	680214
Mean Squared Error	4723.71
Std. Error of Regression	68.73
Mean Abs. Dev. (MAD)	48.27
Mean Abs. % Err. (MAPE)	3.89%
Durbin-Watson Statistic	2.051
Durbin-H Statistic	0.000
Ljung-Box Statistic	17.00
Prob (Ljung-Box)	0.849
Skewness	-0.234
Kurtosis	4.433
Jarque-Bera	14.002
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
mStructResRev.XHeat	1.034	422.549	0.363
mStructResRev.XCool	1.115	194.868	0.181
mStructResRev.XOther	0.972	599.415	0.485
mBin.Yr2015Plus	-57.983	0.595	-0.029

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2013:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	8936.288	1081.736	8.261	0%
mStructComRev.XCool	2171.186	280.074	7.752	0%
mStructComRev.XOther	-173.067	52.315	-3.308	0%
mBin.August2021Plus	600.860	128.284	4.684	0%
mBin.Yr2015Plus	150.430	89.750	1.676	10%
mBin.Yr2018Plus	1457.811	208.288	6.999	0%
ComCusts.Filled	3.342	0.410	8.158	0%
mBin.Year2020	-133.098	112.820	-1.180	24%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	104
R-Squared	0.689
Adjusted R-Squared	0.668
AIC	11.481
BIC	11.675
F-Statistic	28.789
Prob (F-Statistic)	0.000
Log-Likelihood	-793.87
Model Sum of Squares	20830547
Sum of Squared Errors	9406208
Mean Squared Error	90444.31
Std. Error of Regression	300.74
Mean Abs. Dev. (MAD)	218.84
Mean Abs. % Err. (MAPE)	5.70%
Durbin-Watson Statistic	1.337
Durbin-H Statistic	0.000
Ljung-Box Statistic	54.88
Prob (Ljung-Box)	0.000
Skewness	0.070
Kurtosis	3.328
Jarque-Bera	0.591
Prob (Jarque-Bera)	0.744

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	8936.288	0.040	0.092
mStructComRev.XCool	2171.186	0.147	0.082
mStructComRev.XOther	-173.067	11.397	-0.506
mBin.August2021Plus	600.860	0.080	0.012
mBin.Yr2015Plus	150.430	0.786	0.030
mBin.Yr2018Plus	1457.811	0.464	0.174
ComCusts.Filled	3.342	1305.688	1.120
mBin.Year2020	-133.098	0.107	-0.004

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2021:7
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	3943.993	442.248	8.918	0%
mBin.Feb	4263.031	442.248	9.639	0%
mBin.Mar	4101.909	442.248	9.275	0%
mBin.Apr	4247.702	442.248	9.605	0%
mBin.May	4029.575	442.248	9.112	0%
mBin.Jun	4372.221	442.248	9.886	0%
mBin.Jul	4556.497	442.248	10.303	0%
mBin.Aug	4246.764	461.913	9.194	0%
mBin.Sep	4391.278	461.913	9.507	0%
mBin.Oct	4230.910	461.913	9.160	0%
mBin.Nov	4296.503	461.913	9.302	0%
mBin.Dec	3989.857	461.913	8.638	0%
mBin.August2021Plus	0.000	0.000	0.000	100%

Model Statistics

Iterations	1
Adjusted Observations	139
Deg. of Freedom for Error	126
R-Squared	0.014
Adjusted R-Squared	-0.080
AIC	14.758
BIC	15.032
F-Statistic	0.136
Prob (F-Statistic)	1.000
Log-Likelihood	-1209.88
Model Sum of Squares	4163095
Sum of Squared Errors	295721638
Mean Squared Error	2346997.13
Std. Error of Regression	1531.99
Mean Abs. Dev. (MAD)	1240.91
Mean Abs. % Err. (MAPE)	43.31%
Durbin-Watson Statistic	0.050
Durbin-H Statistic	0.000
Ljung-Box Statistic	2028.69
Prob (Ljung-Box)	0.000
Skewness	-0.715
Kurtosis	1.992
Jarque-Bera	17.735
Prob (Jarque-Bera)	0.000

Forecast Statistics

Forecast Observations	9
Mean Abs. Dev. (MAD)	5373.46
Mean Abs. % Err. (MAPE)	52.36%
Avg. Forecast Error	5373.46
Mean % Error	52.36%
Root Mean-Square Error	5974.54
Theil's Inequality Coefficient	0.424
-- Bias Proportion	80.89%
-- Variance Proportion	16.39%
-- Covariance Proportion	2.72%

Variable	Coefficient	Mean	Elast
mBin.Jan	3943.993	0.086	0.081
mBin.Feb	4263.031	0.086	0.087
mBin.Mar	4101.909	0.086	0.084
mBin.Apr	4247.702	0.086	0.087
mBin.May	4029.575	0.086	0.082

Variable	Coefficient	Mean	Elast
mBin.Jun	4372.221	0.086	0.089
mBin.Jul	4556.497	0.086	0.093
mBin.Aug	4246.764	0.079	0.080
mBin.Sep	4391.278	0.079	0.082
mBin.Oct	4230.910	0.079	0.079
mBin.Nov	4296.503	0.079	0.081
mBin.Dec	3989.857	0.079	0.075
mBin.August2021Plus	0.000	0.000	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	676.133	19.366	34.913	0%
mBin.Jul2021	-270.177	73.723	-3.665	0%
mBin.Aug2021	-189.077	73.723	-2.565	1%
AR(1)	0.983	0.017	58.690	0%

Model Statistics

Iterations	10
Adjusted Observations	123
Deg. of Freedom for Error	119
R-Squared	0.988
Adjusted R-Squared	0.987
AIC	9.030
BIC	9.121
F-Statistic	2373.702
Prob (F-Statistic)	0.000
Log-Likelihood	-725.87
Model Sum of Squares	76778847
Sum of Squared Errors	962282
Mean Squared Error	8086.40
Std. Error of Regression	89.92
Mean Abs. Dev. (MAD)	58.97
Mean Abs. % Err. (MAPE)	0.24%
Durbin-Watson Statistic	2.423
Durbin-H Statistic	-1.978
Ljung-Box Statistic	35.75
Prob (Ljung-Box)	0.058
Skewness	2.995
Kurtosis	23.849
Jarque-Bera	2411.501
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	676.133	37.461	1.023
mBin.Jul2021	-270.177	0.008	-0.000
mBin.Aug2021	-189.077	0.008	-0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Yr2018Plus	-562.542	16.442	-34.214	0%
mBin.Year2020Plus	123.122	15.765	7.810	0%
Econ.EmpNonMan	54.234	1.603	33.839	0%
mBin.TrendVar	17.444	2.522	6.918	0%
AR(1)	0.313	0.079	3.935	0%

Model Statistics

Iterations	8
Adjusted Observations	147
Deg. of Freedom for Error	142
R-Squared	0.967
Adjusted R-Squared	0.966
AIC	7.226
BIC	7.327
F-Statistic	838.435
Prob (F-Statistic)	0.000
Log-Likelihood	-734.68
Model Sum of Squares	5572330
Sum of Squared Errors	188750
Mean Squared Error	1329.22
Std. Error of Regression	36.46
Mean Abs. Dev. (MAD)	18.51
Mean Abs. % Err. (MAPE)	1.57%
Durbin-Watson Statistic	1.985
Durbin-H Statistic	0.000
Ljung-Box Statistic	7.77
Prob (Ljung-Box)	0.999
Skewness	-3.099
Kurtosis	25.014
Jarque-Bera	3203.537
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	-562.542	0.351	-0.148
mBin.Year2020Plus	123.122	0.189	0.017
Econ.EmpNonMan	54.234	22.538	0.918
mBin.TrendVar	17.444	16.208	0.212

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\InterC
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:40 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:5
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.640	0.080	20.462	0%
mPeakVars.CoolingVar	3.275	0.227	14.395	0%
mPeakVars.BaseVar	0.251	0.010	25.559	0%
mBin.Mar	11.257	2.336	4.819	0%
MA(1)	0.307	0.091	3.362	0%

Model Statistics

Iterations	9
Adjusted Observations	113
Deg. of Freedom for Error	108
R-Squared	0.862
Adjusted R-Squared	0.857
AIC	4.337
BIC	4.458
F-Statistic	135.270
Prob (F-Statistic)	0.000
Log-Likelihood	-400.40
Model Sum of Squares	49558
Sum of Squared Errors	7913
Mean Squared Error	73.27
Std. Error of Regression	8.56
Mean Abs. Dev. (MAD)	6.18
Mean Abs. % Err. (MAPE)	6.35%
Durbin-Watson Statistic	1.749
Durbin-H Statistic	0.000
Ljung-Box Statistic	13.28
Prob (Ljung-Box)	0.961
Skewness	0.437
Kurtosis	5.605
Jarque-Bera	35.549
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	1.640	15.741	0.266
mPeakVars.CoolingVar	3.275	4.031	0.136
mPeakVars.BaseVar	0.251	223.537	0.580
mBin.Mar	11.257	0.088	0.010

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Shelb
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2018:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	0.962	0.034	28.612	0%
mStructResRev.XCool	0.936	0.049	19.139	0%
mStructResRev.XOther	0.992	0.034	29.608	0%

Model Statistics

Iterations	1
Adjusted Observations	52
Deg. of Freedom for Error	49
R-Squared	0.952
Adjusted R-Squared	0.950
AIC	8.306
BIC	8.419
F-Statistic	323.350
Prob (F-Statistic)	0.000
Log-Likelihood	-286.75
Model Sum of Squares	3714814
Sum of Squared Errors	187646
Mean Squared Error	3829.50
Std. Error of Regression	61.88
Mean Abs. Dev. (MAD)	48.25
Mean Abs. % Err. (MAPE)	3.78%
Durbin-Watson Statistic	1.880
Durbin-H Statistic	0.000
Ljung-Box Statistic	32.65
Prob (Ljung-Box)	0.112
Skewness	0.060
Kurtosis	2.577
Jarque-Bera	0.420
Prob (Jarque-Bera)	0.811

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	0.962	387.624	0.292
mStructResRev.XCool	0.936	217.061	0.159
mStructResRev.XOther	0.992	708.642	0.550

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Shelb
Model: ResSeasAvgUse
Dependent Variable: mSales.ResSeasAvgUse
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	0.168	0.019	9.069	0%
mStructResRev.XCool	0.395	0.030	13.323	0%
mStructResRev.XOther	0.135	0.022	6.254	0%
mBin.Yr17Plus	74.935	9.881	7.584	0%
mBin.Mar	39.965	17.821	2.243	3%
mBin.Oct	96.120	18.501	5.195	0%
mBin.Nov	62.668	17.551	3.571	0%
mBin.Mar15	-129.035	53.240	-2.424	2%
mBin.Year21Plus	40.834	14.640	2.789	1%

Model Statistics

Iterations	1
Adjusted Observations	123
Deg. of Freedom for Error	114
R-Squared	0.708
Adjusted R-Squared	0.688
AIC	7.913
BIC	8.118
F-Statistic	30.782
Prob (F-Statistic)	0.000
Log-Likelihood	-652.16
Model Sum of Squares	705351
Sum of Squared Errors	290248
Mean Squared Error	2546.04
Std. Error of Regression	50.46
Mean Abs. Dev. (MAD)	36.15
Mean Abs. % Err. (MAPE)	11.62%
Durbin-Watson Statistic	1.659
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.20
Prob (Ljung-Box)	0.685
Skewness	-0.273
Kurtosis	5.556
Jarque-Bera	35.009
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	0.168	365.899	nan
mStructResRev.XCool	0.395	212.741	nan
mStructResRev.XOther	0.135	700.799	nan
mBin.Yr17Plus	74.935	0.516	nan
mBin.Mar	39.965	0.089	nan
mBin.Oct	96.120	0.081	nan
mBin.Nov	62.668	0.081	nan
mBin.Mar15	-129.035	0.008	nan
mBin.Year21Plus	40.834	0.129	nan

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Shelb
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2017:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	8263.075	2136.539	3.868	0%
mStructComRev.XCool	4046.153	577.448	7.007	0%
mStructComRev.XOther	372.293	56.858	6.548	0%
mBin.Jul17	-3289.694	481.392	-6.834	0%
mBin.Jun14PlusTrend	118.736	36.267	3.274	0%
mBin.Yr18Plus	-522.594	182.489	-2.864	1%

Model Statistics

Iterations	1
Adjusted Observations	64
Deg. of Freedom for Error	58
R-Squared	0.667
Adjusted R-Squared	0.638
AIC	12.289
BIC	12.491
F-Statistic	19.348
Prob (F-Statistic)	0.000
Log-Likelihood	-478.06
Model Sum of Squares	23074972
Sum of Squared Errors	11528783
Mean Squared Error	198772.12
Std. Error of Regression	445.84
Mean Abs. Dev. (MAD)	336.20
Mean Abs. % Err. (MAPE)	4.63%
Durbin-Watson Statistic	1.513
Durbin-H Statistic	0.000
Ljung-Box Statistic	59.75
Prob (Ljung-Box)	0.000
Skewness	0.297
Kurtosis	2.428
Jarque-Bera	1.812
Prob (Jarque-Bera)	0.404

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	8263.075	0.041	0.046
mStructComRev.XCool	4046.153	0.153	0.085
mStructComRev.XOther	372.293	12.070	0.615
mBin.Jul17	-3289.694	0.016	-0.007
mBin.Jun14PlusTrend	118.736	19.708	0.320
mBin.Yr18Plus	-522.594	0.813	-0.058

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Shelb
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.ManEmp	1773.308	200.470	8.846	0%
mBin.Jan	6591.533	812.178	8.116	0%
mBin.Feb	5079.772	812.735	6.250	0%
mBin.Mar	6978.440	813.291	8.580	0%
mBin.Apr	6101.488	816.991	7.468	0%
mBin.May	6876.938	814.982	8.438	0%
mBin.Jun	6728.263	815.486	8.251	0%
mBin.Jul	7089.548	815.989	8.688	0%
mBin.Aug	7542.578	816.736	9.235	0%
mBin.Sep	6722.475	817.483	8.223	0%
mBin.Oct	6866.859	818.229	8.392	0%
mBin.Nov	5794.747	818.976	7.076	0%
mBin.Dec	5603.756	819.723	6.836	0%
mBin.Year21Plus	-2343.721	175.204	-13.377	0%
mBin.Apr20	-2027.349	680.091	-2.981	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	133
R-Squared	0.783
Adjusted R-Squared	0.760
AIC	13.058
BIC	13.361
F-Statistic	31.950
Prob (F-Statistic)	0.000
Log-Likelihood	-1161.27
Model Sum of Squares	204086750
Sum of Squared Errors	56638021
Mean Squared Error	425849.79
Std. Error of Regression	652.57
Mean Abs. Dev. (MAD)	480.36
Mean Abs. % Err. (MAPE)	3.68%
Durbin-Watson Statistic	1.556
Durbin-H Statistic	0.000
Ljung-Box Statistic	129.39
Prob (Ljung-Box)	0.000
Skewness	-0.392
Kurtosis	3.391
Jarque-Bera	4.741
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
mEcon.ManEmp	1773.308	3.950	0.530
mBin.Jan	6591.533	0.088	0.044
mBin.Feb	5079.772	0.088	0.034

Variable	Coefficient	Mean	Elast
mBin.Mar	6978.440	0.088	0.046
mBin.Apr	6101.488	0.088	0.041
mBin.May	6876.938	0.081	0.042
mBin.Jun	6728.263	0.081	0.041
mBin.Jul	7089.548	0.081	0.043
mBin.Aug	7542.578	0.081	0.046
mBin.Sep	6722.475	0.081	0.041
mBin.Oct	6866.859	0.081	0.042
mBin.Nov	5794.747	0.081	0.036
mBin.Dec	5603.756	0.081	0.034
mBin.Year21Plus	-2343.721	0.108	-0.019
mBin.Apr20	-2027.349	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\S
Exponential Smoothing Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.593

Model Statistics

Iterations	6
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.758
Adjusted R-Squared	0.758
AIC	1.418
BIC	1.439
F-Statistic	459.531
Prob (F-Statistic)	0.000
Log-Likelihood	-313.96
Model Sum of Squares	1885
Sum of Squared Errors	603
Mean Squared Error	4.10
Std. Error of Regression	2.03
Mean Abs. Dev. (MAD)	1.08
Mean Abs. % Err. (MAPE)	7.04%
Durbin-Watson Statistic	2.023
Durbin-H Statistic	0.000
Ljung-Box Statistic	26.86
Prob (Ljung-Box)	0.311
Skewness	-1.627
Kurtosis	17.503
Jarque-Bera	1362.4
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\2022\Fcst2022\Projects\Shelb
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2014:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	727.834	37.079	19.629	0%
mBin.Aug15	461.989	15.511	29.786	0%
mBin.Dec18	-169.007	15.510	-10.896	0%
mBin.Apr21	179.494	15.511	11.572	0%
mBin.Mar22	-111.004	15.510	-7.157	0%
mBin.Jun21	66.495	15.516	4.286	0%
AR(1)	0.993	0.019	52.281	0%

Model Statistics

Iterations	14
Adjusted Observations	99
Deg. of Freedom for Error	92
R-Squared	0.998
Adjusted R-Squared	0.998
AIC	6.248
BIC	6.431
F-Statistic	7380.896
Prob (F-Statistic)	0.000
Log-Likelihood	-442.74
Model Sum of Squares	24945886
Sum of Squared Errors	44420
Mean Squared Error	482.83
Std. Error of Regression	21.97
Mean Abs. Dev. (MAD)	16.64
Mean Abs. % Err. (MAPE)	0.11%
Durbin-Watson Statistic	1.985
Durbin-H Statistic	1.744
Ljung-Box Statistic	15.40
Prob (Ljung-Box)	0.909
Skewness	0.180
Kurtosis	3.195
Jarque-Bera	0.688
Prob (Jarque-Bera)	0.709

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	727.834	22.033	1.021
mBin.Aug15	461.989	0.010	0.000
mBin.Dec18	-169.007	0.010	-0.000
mBin.Apr21	179.494	0.010	0.000
mBin.Mar22	-111.004	0.010	-0.000
mBin.Jun21	66.495	0.010	0.000

Project:	H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\S
Exponential Smoothing Model:	ResSeasCusts
Dependent Variable:	mSales.ResSeasCusts
Date:	August 20, 2025
Time:	10:43 AM
Estimation Begin Date:	2000:1
Estimation End Date:	2022:4
Forecast Period End Date:	2042:12

Variable	Coefficient
Simple	1.124

Model Statistics

Iterations	9
Adjusted Observations	268
Deg. of Freedom for Error	267
R-Squared	0.897
Adjusted R-Squared	0.897
AIC	6.235
BIC	6.249
F-Statistic	2320.664
Prob (F-Statistic)	0.000
Log-Likelihood	-1214.82
Model Sum of Squares	1180297
Sum of Squared Errors	135797
Mean Squared Error	508.60
Std. Error of Regression	22.55
Mean Abs. Dev. (MAD)	8.81
Mean Abs. % Err. (MAPE)	8.30%
Durbin-Watson Statistic	1.979
Durbin-H Statistic	0.000
Ljung-Box Statistic	375.82
Prob (Ljung-Box)	0.000
Skewness	-0.244
Kurtosis	16.292
Jarque-Bera	1975.7
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\2022\Fcst2022\Projects\Shelb
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2015:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Dec18	-8.355	2.257	-3.702	0%
ResCusts.Predicted	0.034	0.000	83.642	0%
mBin.Aug15	-18.503	2.239	-8.266	0%
AR(1)	0.584	0.103	5.647	0%
AR(2)	0.357	0.100	3.571	0%

Model Statistics

Iterations	13
Adjusted Observations	86
Deg. of Freedom for Error	81
R-Squared	0.991
Adjusted R-Squared	0.991
AIC	2.071
BIC	2.213
F-Statistic	1868.311
Prob (F-Statistic)	0.000
Log-Likelihood	-206.06
Model Sum of Squares	70015
Sum of Squared Errors	607
Mean Squared Error	7.49
Std. Error of Regression	2.74
Mean Abs. Dev. (MAD)	2.05
Mean Abs. % Err. (MAPE)	0.39%
Durbin-Watson Statistic	2.017
Durbin-H Statistic	0.000
Ljung-Box Statistic	34.16
Prob (Ljung-Box)	0.082
Skewness	0.083
Kurtosis	3.357
Jarque-Bera	0.556
Prob (Jarque-Bera)	0.757

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	-8.355	0.011	-0.000
ResCusts.Predicted	0.034	15790.891	1.026
mBin.Aug15	-18.503	0.011	-0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Shelb
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:5
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	0.919	0.044	20.971	0%
mPeakVars.CoolingVar	1.434	0.101	14.259	0%
mPeakVars.BaseVar	0.164	0.003	47.888	0%
mBin.Yr16Plus	-2.737	0.859	-3.188	0%
mBin.May	-5.351	1.423	-3.760	0%
mBin.Oct	-5.573	1.550	-3.594	0%
mBin.Year21Plus	4.011	1.106	3.626	0%

Model Statistics

Iterations	1
Adjusted Observations	113
Deg. of Freedom for Error	106
R-Squared	0.888
Adjusted R-Squared	0.881
AIC	2.830
BIC	2.999
F-Statistic	119.796
Prob (F-Statistic)	0.000
Log-Likelihood	-313.25
Model Sum of Squares	13387
Sum of Squared Errors	1692
Mean Squared Error	15.96
Std. Error of Regression	4.00
Mean Abs. Dev. (MAD)	2.98
Mean Abs. % Err. (MAPE)	3.43%
Durbin-Watson Statistic	1.421
Durbin-H Statistic	0.000
Ljung-Box Statistic	32.62
Prob (Ljung-Box)	0.112
Skewness	0.168
Kurtosis	3.560
Jarque-Bera	2.010
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	0.919	0.000	0.000
mPeakVars.CoolingVar	1.434	0.000	0.000
mPeakVars.BaseVar	0.164	0.000	0.000
mBin.Yr16Plus	-2.737	0.000	-0.000
mBin.May	-5.351	0.000	-0.000
mBin.Oct	-5.573	0.000	-0.000
mBin.Year21Plus	4.011	0.000	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\S
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:43 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.680

Model Statistics

Iterations	6
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.839
Adjusted R-Squared	0.839
AIC	-1.214
BIC	-1.194
F-Statistic	765.144
Prob (F-Statistic)	0.000
Log-Likelihood	-119.15
Model Sum of Squares	226
Sum of Squared Errors	43
Mean Squared Error	0.29
Std. Error of Regression	0.54
Mean Abs. Dev. (MAD)	0.29
Mean Abs. % Err. (MAPE)	0.94%
Durbin-Watson Statistic	2.016
Durbin-H Statistic	0.000
Ljung-Box Statistic	22.47
Prob (Ljung-Box)	0.551
Skewness	-0.239
Kurtosis	6.505
Jarque-Bera	77.2
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\2022\Fcst2022\Projects\Farme
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.164	0.026	44.837	0%
mStructResRev.XCool	0.949	0.027	34.864	0%
mStructResRev.XOther	1.004	0.028	35.891	0%
mBin.Yr2015Plus	-38.028	12.946	-2.937	0%
mBin.Yr2018Plus	-56.232	11.891	-4.729	0%
mBin.May20	107.787	55.307	1.949	5%
mBin.Aug20	24.532	55.676	0.441	66%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	117
R-Squared	0.952
Adjusted R-Squared	0.950
AIC	8.040
BIC	8.199
F-Statistic	334.243
Prob (F-Statistic)	0.000
Log-Likelihood	-667.42
Model Sum of Squares	6870950
Sum of Squared Errors	343591
Mean Squared Error	2936.68
Std. Error of Regression	54.19
Mean Abs. Dev. (MAD)	41.56
Mean Abs. % Err. (MAPE)	3.72%
Durbin-Watson Statistic	2.565
Durbin-H Statistic	0.000
Ljung-Box Statistic	36.85
Prob (Ljung-Box)	0.045
Skewness	0.039
Kurtosis	2.956
Jarque-Bera	0.041
Prob (Jarque-Bera)	0.980

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	1.164	295.201	0.309
mStructResRev.XCool	0.949	241.331	0.206
mStructResRev.XOther	1.004	587.196	0.530
mBin.Yr2015Plus	-38.028	0.710	-0.024
mBin.Yr2018Plus	-56.232	0.419	-0.021
mBin.May20	107.787	0.008	0.001
mBin.Aug20	24.532	0.008	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Farme
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2011:12
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	10596.112	898.356	11.795	0%
mStructComRev.XCool	5976.839	313.741	19.050	0%
mStructComRev.XOther	432.524	19.205	22.522	0%
mBin.Yr2012	-3838.549	196.804	-19.504	0%
mBin.Mar14Plus	672.541	210.290	3.198	0%
mBin.Aug12	-665.926	218.389	-3.049	0%
AR(1)	0.790	0.058	13.625	0%

Model Statistics

Iterations	10
Adjusted Observations	124
Deg. of Freedom for Error	117
R-Squared	0.971
Adjusted R-Squared	0.969
AIC	11.276
BIC	11.435
F-Statistic	557.029
Prob (F-Statistic)	0.000
Log-Likelihood	-868.07
Model Sum of Squares	291304799
Sum of Squared Errors	8740924
Mean Squared Error	74708.75
Std. Error of Regression	273.33
Mean Abs. Dev. (MAD)	208.65
Mean Abs. % Err. (MAPE)	3.64%
Durbin-Watson Statistic	2.402
Durbin-H Statistic	0.000
Ljung-Box Statistic	49.98
Prob (Ljung-Box)	0.001
Skewness	-0.388
Kurtosis	4.804
Jarque-Bera	19.926
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
mStructComRev.XHeat	10596.112	0.041	0.068
mStructComRev.XCool	5976.839	0.144	0.133
mStructComRev.XOther	432.524	11.561	0.778
mBin.Yr2012	-3838.549	0.096	-0.057
mBin.Mar14Plus	672.541	0.784	0.082
mBin.Aug12	-665.926	0.008	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Farme
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	8570.770	299.373	28.629	0%
mBin.Yr2012	3310.104	491.773	6.731	0%
mBin.Yr2018Plus	-819.467	334.844	-2.447	2%
mBin.Jan	-436.223	178.413	-2.445	2%
mBin.Feb	521.591	222.664	2.343	2%
mBin.Mar	62.846	250.610	0.251	80%
mBin.Apr	464.852	268.270	1.733	9%
mBin.May	224.978	281.132	0.800	43%
mBin.Jun	1041.949	285.733	3.647	0%
mBin.Jul	1416.314	283.133	5.002	0%
mBin.Aug	1413.799	273.148	5.176	0%
mBin.Sep	1784.639	254.285	7.018	0%
mBin.Oct	1049.414	222.855	4.709	0%
mBin.Nov	821.940	169.105	4.861	0%
AR(1)	0.768	0.061	12.586	0%

Model Statistics

Iterations	7
Adjusted Observations	123
Deg. of Freedom for Error	108
R-Squared	0.900
Adjusted R-Squared	0.887
AIC	12.577
BIC	12.920
F-Statistic	69.069
Prob (F-Statistic)	0.000
Log-Likelihood	-933.03
Model Sum of Squares	250126430
Sum of Squared Errors	27936571
Mean Squared Error	258671.96
Std. Error of Regression	508.60
Mean Abs. Dev. (MAD)	333.51
Mean Abs. % Err. (MAPE)	4.06%
Durbin-Watson Statistic	2.031
Durbin-H Statistic	0.000
Ljung-Box Statistic	22.19
Prob (Ljung-Box)	0.568
Skewness	-1.935
Kurtosis	12.875
Jarque-Bera	576.490
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.Yr2012	3310.104	0.097	0.035
mBin.Yr2018Plus	-819.467	0.419	-0.037
mBin.Jan	-436.223	0.089	-0.004

Variable	Coefficient	Mean	Elast
mBin.Feb	521.591	0.089	0.005
mBin.Mar	62.846	0.089	0.001
mBin.Apr	464.852	0.089	0.004
mBin.May	224.978	0.081	0.002
mBin.Jun	1041.949	0.081	0.009
mBin.Jul	1416.314	0.081	0.012
mBin.Aug	1413.799	0.081	0.012
mBin.Sep	1784.639	0.081	0.016
mBin.Oct	1049.414	0.081	0.009
mBin.Nov	821.940	0.081	0.007

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Farme
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	930.263	0.784	1187.084	0%
mBin.Yr2012	-289.819	50.107	-5.784	0%
mBin.Aug20	27.635	28.445	0.972	33%
MA(1)	1.009	0.012	83.379	0%

Model Statistics

Iterations	37
Adjusted Observations	124
Deg. of Freedom for Error	120
R-Squared	0.957
Adjusted R-Squared	0.956
AIC	9.520
BIC	9.611
F-Statistic	670.475
Prob (F-Statistic)	0.000
Log-Likelihood	-762.18
Model Sum of Squares	35407003
Sum of Squared Errors	1584265
Mean Squared Error	13202.21
Std. Error of Regression	114.90
Mean Abs. Dev. (MAD)	94.81
Mean Abs. % Err. (MAPE)	0.41%
Durbin-Watson Statistic	0.812
Durbin-H Statistic	0.476
Ljung-Box Statistic	611.29
Prob (Ljung-Box)	0.000
Skewness	0.001
Kurtosis	2.115
Jarque-Bera	4.044
Prob (Jarque-Bera)	0.132

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	930.263	25.158	1.002
mBin.Yr2012	-289.819	0.097	-0.001
mBin.Aug20	27.635	0.008	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Farme
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.081	0.000	323.139	0%
mBin.Aft2019	-117.865	11.996	-9.825	0%
MA(1)	0.703	0.066	10.609	0%

Model Statistics

Iterations	12
Adjusted Observations	124
Deg. of Freedom for Error	121
R-Squared	0.588
Adjusted R-Squared	0.582
AIC	7.053
BIC	7.121
F-Statistic	57.670
Prob (F-Statistic)	0.000
Log-Likelihood	-610.22
Model Sum of Squares	195300
Sum of Squared Errors	136590
Mean Squared Error	1128.84
Std. Error of Regression	33.60
Mean Abs. Dev. (MAD)	23.99
Mean Abs. % Err. (MAPE)	1.28%
Durbin-Watson Statistic	1.220
Durbin-H Statistic	0.000
Ljung-Box Statistic	93.53
Prob (Ljung-Box)	0.000
Skewness	0.706
Kurtosis	6.353
Jarque-Bera	68.375
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	0.081	23347.774	1.013
mBin.Aft2019	-117.865	0.226	-0.014

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Farme
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.186	0.065	18.303	0%
mPeakVars.CoolingVar	2.005	0.147	13.671	0%
mPeakVars.BaseVar	0.202	0.005	39.884	0%
mBin.Yr2012	-11.029	1.906	-5.788	0%
mBin.May	-4.692	2.109	-2.225	3%
mBin.Oct	-6.011	2.218	-2.710	1%
mBin.Nov	-5.283	2.094	-2.523	1%
mBin.Apr17	-16.448	6.122	-2.687	1%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	116
R-Squared	0.845
Adjusted R-Squared	0.836
AIC	3.666
BIC	3.848
F-Statistic	79.268
Prob (F-Statistic)	0.000
Log-Likelihood	-395.27
Model Sum of Squares	23305
Sum of Squared Errors	4263
Mean Squared Error	36.75
Std. Error of Regression	6.06
Mean Abs. Dev. (MAD)	4.36
Mean Abs. % Err. (MAPE)	4.55%
Durbin-Watson Statistic	1.744
Durbin-H Statistic	0.000
Ljung-Box Statistic	36.20
Prob (Ljung-Box)	0.052
Skewness	0.225
Kurtosis	4.088
Jarque-Bera	7.152
Prob (Jarque-Bera)	0.028

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	1.186	13.051	0.164
mPeakVars.CoolingVar	2.005	5.051	0.107
mPeakVars.BaseVar	0.202	352.282	0.755
mBin.Yr2012	-11.029	0.097	-0.011
mBin.May	-4.692	0.081	-0.004
mBin.Oct	-6.011	0.081	-0.005
mBin.Nov	-5.283	0.081	-0.005
mBin.Apr17	-16.448	0.008	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\F
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.517

Model Statistics

Iterations	13
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.886
Adjusted R-Squared	0.886
AIC	-3.685
BIC	-3.665
F-Statistic	1146.340
Prob (F-Statistic)	0.000
Log-Likelihood	63.68
Model Sum of Squares	29
Sum of Squared Errors	4
Mean Squared Error	0.02
Std. Error of Regression	0.16
Mean Abs. Dev. (MAD)	0.04
Mean Abs. % Err. (MAPE)	0.53%
Durbin-Watson Statistic	2.273
Durbin-H Statistic	0.000
Ljung-Box Statistic	23.99
Prob (Ljung-Box)	0.462
Skewness	0.013
Kurtosis	29.248
Jarque-Bera	4248.7
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\2022\Fcst2022\Projects\Farme
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:38 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Yr2018Plus	-0.781	1.295	-0.603	55%
AR(1)	0.998	0.003	330.815	0%

Model Statistics

Iterations	5
Adjusted Observations	135
Deg. of Freedom for Error	133
R-Squared	0.929
Adjusted R-Squared	0.929
AIC	0.531
BIC	0.574
F-Statistic	875.476
Prob (F-Statistic)	0.000
Log-Likelihood	-225.39
Model Sum of Squares	2934
Sum of Squared Errors	223
Mean Squared Error	1.68
Std. Error of Regression	1.29
Mean Abs. Dev. (MAD)	0.35
Mean Abs. % Err. (MAPE)	0.97%
Durbin-Watson Statistic	2.715
Durbin-H Statistic	0.000
Ljung-Box Statistic	23.80
Prob (Ljung-Box)	0.473
Skewness	0.124
Kurtosis	54.340
Jarque-Bera	14826.586
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	0.382	-0.008

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2013:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.000	0.044	22.848	0%
mStructResRev.XCool	1.041	0.050	20.665	0%
mStructResRev.XOther	1.042	0.044	23.704	0%
mBin.Yr16Plus	-75.336	18.620	-4.046	0%
mBin.Feb13	-253.615	87.224	-2.908	0%
mBin.Jun13	-281.990	86.705	-3.252	0%
mBin.Feb14	-279.219	88.571	-3.153	0%
mBin.Oct14	-249.510	87.257	-2.859	1%
mBin.Mar15	-276.699	86.964	-3.182	0%
mBin.Feb19	-246.243	86.275	-2.854	1%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	102
R-Squared	0.869
Adjusted R-Squared	0.858
AIC	8.971
BIC	9.214
F-Statistic	67.945
Prob (F-Statistic)	0.000
Log-Likelihood	-651.29
Model Sum of Squares	4911611
Sum of Squared Errors	737334
Mean Squared Error	7228.76
Std. Error of Regression	85.02
Mean Abs. Dev. (MAD)	59.10
Mean Abs. % Err. (MAPE)	5.40%
Durbin-Watson Statistic	2.399
Durbin-H Statistic	0.000
Ljung-Box Statistic	26.26
Prob (Ljung-Box)	0.340
Skewness	0.307
Kurtosis	3.653
Jarque-Bera	3.751
Prob (Jarque-Bera)	0.153

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	1.000	315.566	0.285
mStructResRev.XCool	1.041	202.984	0.191
mStructResRev.XOther	1.042	618.148	0.583
mBin.Yr16Plus	-75.336	0.679	-0.046
mBin.Feb13	-253.615	0.009	-0.002
mBin.Jun13	-281.990	0.009	-0.002
mBin.Feb14	-279.219	0.009	-0.002
mBin.Oct14	-249.510	0.009	-0.002

Variable	Coefficient	Mean	Elast
mBin.Mar15	-276.699	0.009	-0.002
mBin.Feb19	-246.243	0.009	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	28327.980	5057.949	5.601	0%
mStructComRev.XCool	11645.880	1229.229	9.474	0%
mStructComRev.XOther	1291.115	39.457	32.722	0%
mBin.Oct12Sep13	2853.686	544.886	5.237	0%
mBin.Yr2015Plus	1905.519	355.844	5.355	0%
mBin.Yr18Plus	-2051.755	314.361	-6.527	0%
mBin.Feb12	-3992.302	1475.543	-2.706	1%
mBin.Sep12	-4217.890	1472.355	-2.865	0%
mBin.Feb13	-7314.113	1536.642	-4.760	0%
mBin.Jun13	17311.489	1526.509	11.341	0%
mBin.Sep13	-4143.701	1529.116	-2.710	1%
mBin.Mar14	3604.330	1479.827	2.436	2%
mBin.Sep14	-2938.348	1471.463	-1.997	5%

Model Statistics

Iterations	1
Adjusted Observations	136
Deg. of Freedom for Error	123
R-Squared	0.739
Adjusted R-Squared	0.713
AIC	14.639
BIC	14.917
F-Statistic	26.769
Prob (F-Statistic)	0.000
Log-Likelihood	-1175.42
Model Sum of Squares	724064715
Sum of Squared Errors	255919769
Mean Squared Error	2080648.53
Std. Error of Regression	1442.45
Mean Abs. Dev. (MAD)	1047.39
Mean Abs. % Err. (MAPE)	5.61%
Durbin-Watson Statistic	0.975
Durbin-H Statistic	0.000
Ljung-Box Statistic	149.81
Prob (Ljung-Box)	0.000
Skewness	-0.607
Kurtosis	3.715
Jarque-Bera	11.239
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
mStructComRev.XHeat	28327.980	0.043	0.063
mStructComRev.XCool	11645.880	0.153	0.094
mStructComRev.XOther	1291.115	11.911	0.806
mBin.Oct12Sep13	2853.686	0.088	0.013
mBin.Yr2015Plus	1905.519	0.647	0.065

Variable	Coefficient	Mean	Elast
mBin.Yr18Plus	-2051.755	0.382	-0.041
mBin.Feb12	-3992.302	0.007	-0.002
mBin.Sep12	-4217.890	0.007	-0.002
mBin.Feb13	-7314.113	0.007	-0.003
mBin.Jun13	17311.489	0.007	0.007
mBin.Sep13	-4143.701	0.007	-0.002
mBin.Mar14	3604.330	0.007	0.001
mBin.Sep14	-2938.348	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.ManEmp	593.236	1740.326	0.341	73%
mBin.Yr2015	-11978.664	4032.920	-2.970	0%
mBin.Yr18Plus	4031.970	2977.888	1.354	18%
mBin.Jan	93674.753	26475.759	3.538	0%
mBin.Feb	90774.242	26537.163	3.421	0%
mBin.Mar	96559.559	26570.390	3.634	0%
mBin.Apr	93347.835	26682.739	3.498	0%
mBin.May	94772.234	26676.412	3.553	0%
mBin.Jun	89908.021	26724.130	3.364	0%
mBin.Jul	95139.271	26757.433	3.556	0%
mBin.Aug	98664.574	26784.267	3.684	0%
mBin.Sep	90337.363	26811.101	3.369	0%
mBin.Oct	93528.718	26837.936	3.485	0%
mBin.Nov	94249.753	26864.771	3.508	0%
mBin.Dec	85322.117	26813.516	3.182	0%
mBin.Apr13	-13640.006	9340.030	-1.460	15%
MA(1)	0.374	0.090	4.171	0%

Model Statistics

Iterations	10
Adjusted Observations	124
Deg. of Freedom for Error	107
R-Squared	0.392
Adjusted R-Squared	0.301
AIC	18.454
BIC	18.841
F-Statistic	4.057
Prob (F-Statistic)	0.000
Log-Likelihood	-1303.11
Model Sum of Squares	6283091102
Sum of Squared Errors	9747225327
Mean Squared Error	91095563.80
Std. Error of Regression	9544.40
Mean Abs. Dev. (MAD)	6054.99
Mean Abs. % Err. (MAPE)	6.78%
Durbin-Watson Statistic	1.899
Durbin-H Statistic	0.000
Ljung-Box Statistic	25.14
Prob (Ljung-Box)	0.398
Skewness	-2.401
Kurtosis	15.211
Jarque-Bera	889.576
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
mEcon.ManEmp	593.236	15.665	0.090

Variable	Coefficient	Mean	Elast
mBin.Yr2015	-11978.664	0.097	-0.011
mBin.Yr18Plus	4031.970	0.419	0.016
mBin.Jan	93674.753	0.089	0.081
mBin.Feb	90774.242	0.089	0.078
mBin.Mar	96559.559	0.089	0.083
mBin.Apr	93347.835	0.089	0.081
mBin.May	94772.234	0.081	0.074
mBin.Jun	89908.021	0.081	0.071
mBin.Jul	95139.271	0.081	0.075
mBin.Aug	98664.574	0.081	0.077
mBin.Sep	90337.363	0.081	0.071
mBin.Oct	93528.718	0.081	0.073
mBin.Nov	94249.753	0.081	0.074
mBin.Dec	85322.117	0.081	0.067
mBin.Apr13	-13640.006	0.008	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: PubBldgSales
Dependent Variable: mSales.PubBldgSales
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Yr2012	-108.835	55.051	-1.977	5%
mBin.Yr18Plus	6.088	33.115	0.184	85%
mBin.Jan	2200.637	44.052	49.955	0%
mBin.Feb	2528.973	44.303	57.084	0%
mBin.Mar	2273.662	44.303	51.321	0%
mBin.Apr	2125.175	45.900	46.300	0%
mBin.May	1792.521	45.492	39.403	0%
mBin.Jun	2021.314	45.568	44.358	0%
mBin.Jul	1783.385	45.568	39.137	0%
mBin.Aug	1971.120	45.568	43.257	0%
mBin.Sep	2355.871	45.568	51.700	0%
mBin.Oct	2191.885	45.568	48.102	0%
mBin.Nov	1971.108	45.568	43.257	0%
mBin.Dec	2024.740	45.221	44.774	0%
mBin.Apr11	360.714	133.337	2.705	1%
MA(1)	0.353	0.086	4.104	0%

Model Statistics

Iterations	8
Adjusted Observations	136
Deg. of Freedom for Error	120
R-Squared	0.758
Adjusted R-Squared	0.728
AIC	9.928
BIC	10.271
F-Statistic	23.528
Prob (F-Statistic)	0.000
Log-Likelihood	-852.11
Model Sum of Squares	6913876
Sum of Squared Errors	2203942
Mean Squared Error	18366.18
Std. Error of Regression	135.52
Mean Abs. Dev. (MAD)	95.53
Mean Abs. % Err. (MAPE)	4.65%
Durbin-Watson Statistic	1.821
Durbin-H Statistic	0.000
Ljung-Box Statistic	52.16
Prob (Ljung-Box)	0.001
Skewness	-0.574
Kurtosis	4.538
Jarque-Bera	20.859
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.Yr2012	-108.835	0.088	-0.005
mBin.Yr18Plus	6.088	0.382	0.001

Variable	Coefficient	Mean	Elast
mBin.Jan	2200.637	0.088	0.092
mBin.Feb	2528.973	0.088	0.106
mBin.Mar	2273.662	0.088	0.095
mBin.Apr	2125.175	0.088	0.089
mBin.May	1792.521	0.081	0.069
mBin.Jun	2021.314	0.081	0.078
mBin.Jul	1783.385	0.081	0.069
mBin.Aug	1971.120	0.081	0.076
mBin.Sep	2355.871	0.081	0.091
mBin.Oct	2191.885	0.081	0.084
mBin.Nov	1971.108	0.081	0.076
mBin.Dec	2024.740	0.081	0.078
mBin.Apr11	360.714	0.007	0.001

Project:	H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\O
Exponential Smoothing Model:	SLSales
Dependent Variable:	mSales.SLSales
Date:	August 20, 2025
Time:	10:42 AM
Estimation Begin Date:	2012:1
Estimation End Date:	2022:4
Forecast Period End Date:	2042:12

Variable	Coefficient
Simple	0.672
Seasonal	-0.198

Model Statistics

Iterations	13
Adjusted Observations	124
Deg. of Freedom for Error	122
R-Squared	0.908
Adjusted R-Squared	0.907
AIC	3.347
BIC	3.392
F-Statistic	599.629
Prob (F-Statistic)	0.000
Log-Likelihood	-381.43
Model Sum of Squares	33523
Sum of Squared Errors	3410
Mean Squared Error	27.95
Std. Error of Regression	5.29
Mean Abs. Dev. (MAD)	3.57
Mean Abs. % Err. (MAPE)	6.22%
Durbin-Watson Statistic	2.033
Durbin-H Statistic	0.000
Ljung-Box Statistic	28.90
Prob (Ljung-Box)	0.224
Skewness	-1.103
Kurtosis	7.140
Jarque-Bera	113.7
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\2022\Fcst2022\Projects\Owen
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.Pop	-161.567	441.344	-0.366	71%
AR(1)	1.001	0.000	5671.890	0%

Model Statistics

Iterations	17
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.997
Adjusted R-Squared	0.997
AIC	9.585
BIC	9.625
F-Statistic	24879.651
Prob (F-Statistic)	0.000
Log-Likelihood	-911.05
Model Sum of Squares	713748725
Sum of Squared Errors	2079884
Mean Squared Error	14344.03
Std. Error of Regression	119.77
Mean Abs. Dev. (MAD)	94.44
Mean Abs. % Err. (MAPE)	0.16%
Durbin-Watson Statistic	2.174
Durbin-H Statistic	0.135
Ljung-Box Statistic	184.12
Prob (Ljung-Box)	0.000
Skewness	-0.238
Kurtosis	2.785
Jarque-Bera	1.674
Prob (Jarque-Bera)	0.433

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	-161.567	244.262	-0.686

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.NManEmp	13.079	3.139	4.167	0%
ResCusts.Filled	0.019	0.005	3.604	0%
AR(1)	0.701	0.060	11.766	0%

Model Statistics

Iterations	8
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.924
Adjusted R-Squared	0.923
AIC	7.529
BIC	7.590
F-Statistic	582.795
Prob (F-Statistic)	0.000
Log-Likelihood	-758.94
Model Sum of Squares	3188015
Sum of Squared Errors	262571
Mean Squared Error	1823.41
Std. Error of Regression	42.70
Mean Abs. Dev. (MAD)	21.22
Mean Abs. % Err. (MAPE)	0.94%
Durbin-Watson Statistic	2.109
Durbin-H Statistic	0.000
Ljung-Box Statistic	55.41
Prob (Ljung-Box)	0.000
Skewness	-1.992
Kurtosis	17.110
Jarque-Bera	1316.661
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
mEcon.NManEmp	13.079	97.684	0.535
ResCusts.Filled	0.019	57531.159	0.465

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	2.068	0.160	12.912	0%
mPeakVars.CoolingVar	7.453	0.598	12.470	0%
mPeakVars.BaseVar	0.144	0.003	54.456	0%
mBin.Yr16Plus	-7.233	4.269	-1.694	9%
mBin.Sep	19.127	7.304	2.618	1%
mBin.Aug15	62.426	20.563	3.036	0%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	106
R-Squared	0.674
Adjusted R-Squared	0.659
AIC	6.058
BIC	6.203
F-Statistic	36.602
Prob (F-Statistic)	0.000
Log-Likelihood	-492.15
Model Sum of Squares	89096
Sum of Squared Errors	43004
Mean Squared Error	405.70
Std. Error of Regression	20.14
Mean Abs. Dev. (MAD)	15.28
Mean Abs. % Err. (MAPE)	4.21%
Durbin-Watson Statistic	1.548
Durbin-H Statistic	0.000
Ljung-Box Statistic	64.48
Prob (Ljung-Box)	0.000
Skewness	0.492
Kurtosis	3.355
Jarque-Bera	5.098
Prob (Jarque-Bera)	0.078

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	2.068	15.575	0.088
mPeakVars.CoolingVar	7.453	3.920	0.080
mPeakVars.BaseVar	0.144	2131.828	0.837
mBin.Yr16Plus	-7.233	0.679	-0.013
mBin.Sep	19.127	0.080	0.004
mBin.Aug15	62.426	0.009	0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Owen
Model: PubBldgCusts
Dependent Variable: mSales.PubBldgCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	269.716	21.812	12.365	0%
mFcstRev.ResCusts	-0.000	0.000	-0.379	71%
AR(1)	0.857	0.036	23.618	0%

Model Statistics

Iterations	8
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.794
Adjusted R-Squared	0.791
AIC	0.926
BIC	0.987
F-Statistic	277.913
Prob (F-Statistic)	0.000
Log-Likelihood	-273.64
Model Sum of Squares	1375
Sum of Squared Errors	356
Mean Squared Error	2.47
Std. Error of Regression	1.57
Mean Abs. Dev. (MAD)	1.03
Mean Abs. % Err. (MAPE)	0.40%
Durbin-Watson Statistic	2.423
Durbin-H Statistic	-2.604
Ljung-Box Statistic	34.08
Prob (Ljung-Box)	0.083
Skewness	0.388
Kurtosis	11.796
Jarque-Bera	477.593
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	-0.000	57531.159	-0.031

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\O
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:42 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.381

Model Statistics

Iterations	12
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.400
Adjusted R-Squared	0.400
AIC	-0.882
BIC	-0.862
F-Statistic	97.906
Prob (F-Statistic)	0.000
Log-Likelihood	-143.71
Model Sum of Squares	40
Sum of Squared Errors	60
Mean Squared Error	0.41
Std. Error of Regression	0.64
Mean Abs. Dev. (MAD)	0.23
Mean Abs. % Err. (MAPE)	1.56%
Durbin-Watson Statistic	2.119
Durbin-H Statistic	0.000
Ljung-Box Statistic	35.07
Prob (Ljung-Box)	0.067
Skewness	-3.716
Kurtosis	33.464
Jarque-Bera	6063.7
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\2022\Fcst2022\Projects\Clark.
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	0.880	0.017	51.068	0%
mStructResRev.XCool	0.826	0.025	33.232	0%
mStructResRev.XOther	1.276	0.034	38.076	0%
mBin.Yr2015Plus	-60.752	10.491	-5.791	0%
mBin.Mar2020	-153.686	57.015	-2.696	1%
mBin.Mar2022	-189.950	57.080	-3.328	0%
mBin.Oct2019	-145.746	57.138	-2.551	1%

Model Statistics

Iterations	1
Adjusted Observations	135
Deg. of Freedom for Error	128
R-Squared	0.961
Adjusted R-Squared	0.959
AIC	8.117
BIC	8.267
F-Statistic	454.256
Prob (F-Statistic)	0.000
Log-Likelihood	-732.43
Model Sum of Squares	10126749
Sum of Squared Errors	407645
Mean Squared Error	3184.72
Std. Error of Regression	56.43
Mean Abs. Dev. (MAD)	42.56
Mean Abs. % Err. (MAPE)	3.76%
Durbin-Watson Statistic	1.773
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.48
Prob (Ljung-Box)	0.669
Skewness	-0.070
Kurtosis	3.226
Jarque-Bera	0.399
Prob (Jarque-Bera)	0.819

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	0.880	443.824	0.348
mStructResRev.XCool	0.826	241.476	0.178
mStructResRev.XOther	1.276	449.797	0.512
mBin.Yr2015Plus	-60.752	0.644	-0.035
mBin.Mar2020	-153.686	0.007	-0.001
mBin.Mar2022	-189.950	0.007	-0.001
mBin.Oct2019	-145.746	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Clark.
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	12677.071	1128.748	11.231	0%
mStructComRev.XCool	4389.998	290.204	15.127	0%
mStructComRev.XOther	530.950	8.357	63.532	0%
AR(1)	0.532	0.077	6.871	0%

Model Statistics

Iterations	8
Adjusted Observations	122
Deg. of Freedom for Error	118
R-Squared	0.784
Adjusted R-Squared	0.778
AIC	11.308
BIC	11.400
F-Statistic	106.962
Prob (F-Statistic)	0.000
Log-Likelihood	-858.92
Model Sum of Squares	33762687
Sum of Squared Errors	9311712
Mean Squared Error	78912.81
Std. Error of Regression	280.91
Mean Abs. Dev. (MAD)	219.26
Mean Abs. % Err. (MAPE)	3.08%
Durbin-Watson Statistic	2.355
Durbin-H Statistic	0.000
Ljung-Box Statistic	37.35
Prob (Ljung-Box)	0.040
Skewness	-0.056
Kurtosis	3.129
Jarque-Bera	0.148
Prob (Jarque-Bera)	0.929

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	12677.071	0.040	0.070
mStructComRev.XCool	4389.998	0.147	0.090
mStructComRev.XOther	530.950	11.311	0.841

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Clark.
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	957.652	45.722	20.945	0%
mBin.Feb	992.648	45.885	21.633	0%
mBin.Mar	847.371	45.885	18.467	0%
mBin.Apr	882.964	47.134	18.733	0%
mBin.May	958.061	47.179	20.307	0%
mBin.Jun	935.294	47.179	19.825	0%
mBin.Jul	960.641	47.179	20.362	0%
mBin.Aug	984.537	47.179	20.868	0%
mBin.Sep	952.783	47.179	20.195	0%
mBin.Oct	826.438	47.179	17.517	0%
mBin.Nov	755.677	53.139	14.221	0%
mBin.Dec	789.595	46.992	16.803	0%
mBin.Nov15	-385.154	156.076	-2.468	1%
mBin.Nov17	-552.586	161.072	-3.431	0%
mBin.Nov2020	-580.264	158.476	-3.662	0%
mBin.Year2020Plus	-102.951	42.899	-2.400	2%
MA(1)	0.295	0.088	3.369	0%

Model Statistics

Iterations	10
Adjusted Observations	147
Deg. of Freedom for Error	130
R-Squared	0.482
Adjusted R-Squared	0.419
AIC	10.194
BIC	10.540
F-Statistic	7.127
Prob (F-Statistic)	0.000
Log-Likelihood	-940.88
Model Sum of Squares	2908414
Sum of Squared Errors	3120788
Mean Squared Error	24006.06
Std. Error of Regression	154.94
Mean Abs. Dev. (MAD)	107.85
Mean Abs. % Err. (MAPE)	21.01%
Durbin-Watson Statistic	1.968
Durbin-H Statistic	0.000
Ljung-Box Statistic	13.92
Prob (Ljung-Box)	0.948
Skewness	-0.843
Kurtosis	4.078
Jarque-Bera	24.545
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	957.652	0.088	0.097

Variable	Coefficient	Mean	Elast
mBin.Feb	992.648	0.088	0.100
mBin.Mar	847.371	0.088	0.086
mBin.Apr	882.964	0.082	0.082
mBin.May	958.061	0.082	0.089
mBin.Jun	935.294	0.082	0.087
mBin.Jul	960.641	0.082	0.090
mBin.Aug	984.537	0.082	0.092
mBin.Sep	952.783	0.082	0.089
mBin.Oct	826.438	0.082	0.077
mBin.Nov	755.677	0.082	0.071
mBin.Dec	789.595	0.082	0.074
mBin.Nov15	-385.154	0.007	-0.003
mBin.Nov17	-552.586	0.007	-0.004
mBin.Nov2020	-580.264	0.007	-0.005
mBin.Year2020Plus	-102.951	0.184	-0.022

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Clark.
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	8272.644	2466.770	3.354	0%
Econ.HH	390.843	58.088	6.729	0%
AR(1)	1.259	0.080	15.720	0%
AR(2)	-0.287	0.079	-3.657	0%

Model Statistics

Iterations	14
Adjusted Observations	145
Deg. of Freedom for Error	141
R-Squared	0.996
Adjusted R-Squared	0.996
AIC	6.556
BIC	6.638
F-Statistic	11580.245
Prob (F-Statistic)	0.000
Log-Likelihood	-677.03
Model Sum of Squares	23775084
Sum of Squared Errors	96494
Mean Squared Error	684.36
Std. Error of Regression	26.16
Mean Abs. Dev. (MAD)	20.19
Mean Abs. % Err. (MAPE)	0.08%
Durbin-Watson Statistic	2.025
Durbin-H Statistic	0.038
Ljung-Box Statistic	34.13
Prob (Ljung-Box)	0.082
Skewness	0.020
Kurtosis	2.931
Jarque-Bera	0.039
Prob (Jarque-Bera)	0.981

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	390.843	41.569	0.660

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Clark.
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	-2479.803	649.435	-3.818	0%
Econ.Pop	40.150	6.122	6.558	0%
mBin.Year2012	22.040	6.949	3.172	0%
AR(1)	0.931	0.031	29.785	0%

Model Statistics

Iterations	14
Adjusted Observations	146
Deg. of Freedom for Error	142
R-Squared	0.985
Adjusted R-Squared	0.985
AIC	4.531
BIC	4.613
F-Statistic	3091.341
Prob (F-Statistic)	0.000
Log-Likelihood	-533.94
Model Sum of Squares	838338
Sum of Squared Errors	12836
Mean Squared Error	90.40
Std. Error of Regression	9.51
Mean Abs. Dev. (MAD)	7.02
Mean Abs. % Err. (MAPE)	0.40%
Durbin-Watson Statistic	1.649
Durbin-H Statistic	0.000
Ljung-Box Statistic	52.32
Prob (Ljung-Box)	0.001
Skewness	0.347
Kurtosis	3.706
Jarque-Bera	5.971
Prob (Jarque-Bera)	0.051

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	40.150	105.383	2.410
mBin.Year2012	22.040	0.082	0.001

Project:	H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\C
Exponential Smoothing Model:	IndCusts
Dependent Variable:	mSales.IndCusts
Date:	August 20, 2025
Time:	10:37 AM
Estimation Begin Date:	2012:1
Estimation End Date:	2022:3
Forecast Period End Date:	2042:12

Variable	Coefficient
Simple	0.500

Model Statistics

Iterations	0
Adjusted Observations	123
Deg. of Freedom for Error	122
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\2022\Fcst2022\Projects\Clark.
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:5
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.220	0.059	20.781	0%
mPeakVars.CoolingVar	2.014	0.170	11.831	0%
mPeakVars.BaseVar	0.263	0.006	41.105	0%
mBin.Mar	9.147	2.050	4.462	0%
mBin.Oct	-7.767	2.110	-3.682	0%
mBin.Apr11	0.000	0.000	0.000	100%
mBin.Feb13	21.677	5.860	3.699	0%
mBin.Dec14	-17.328	5.815	-2.980	0%
mBin.Jul15	12.803	5.793	2.210	3%
mBin.Mar16	-18.995	6.056	-3.136	0%

Model Statistics

Iterations	1
Adjusted Observations	113
Deg. of Freedom for Error	103
R-Squared	0.911
Adjusted R-Squared	0.904
AIC	3.581
BIC	3.822
F-Statistic	105.785
Prob (F-Statistic)	0.000
Log-Likelihood	-352.65
Model Sum of Squares	34905
Sum of Squared Errors	3399
Mean Squared Error	33.00
Std. Error of Regression	5.74
Mean Abs. Dev. (MAD)	4.17
Mean Abs. % Err. (MAPE)	4.68%
Durbin-Watson Statistic	1.644
Durbin-H Statistic	0.000
Ljung-Box Statistic	31.51
Prob (Ljung-Box)	0.140
Skewness	0.291
Kurtosis	3.921
Jarque-Bera	5.590
Prob (Jarque-Bera)	0.061

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	1.220	14.088	0.192
mPeakVars.CoolingVar	2.014	3.793	0.085
mPeakVars.BaseVar	0.263	245.410	0.721
mBin.Mar	9.147	0.088	0.009
mBin.Oct	-7.767	0.080	-0.007
mBin.Apr11	0.000	0.000	0.000
mBin.Feb13	21.677	0.009	0.002
mBin.Dec14	-17.328	0.009	-0.002

Variable	Coefficient	Mean	Elast
mBin.Jul15	12.803	0.009	0.001
mBin.Mar16	-18.995	0.009	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Clark.
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:3
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	61.724	2.863	21.561	0%
mBin.Feb	61.277	2.841	21.567	0%
mBin.Mar	59.221	2.822	20.984	0%
mBin.Apr	57.868	2.843	20.353	0%
mBin.May	56.685	2.859	19.830	0%
mBin.Jun	54.838	2.869	19.114	0%
mBin.Jul	54.032	2.875	18.793	0%
mBin.Aug	54.708	2.878	19.010	0%
mBin.Sep	56.054	2.878	19.478	0%
mBin.Oct	56.865	2.876	19.773	0%
mBin.Nov	57.937	2.872	20.171	0%
mBin.Dec	59.644	2.868	20.797	0%
AR(1)	0.895	0.044	20.165	0%

Model Statistics

Iterations	6
Adjusted Observations	122
Deg. of Freedom for Error	109
R-Squared	0.812
Adjusted R-Squared	0.792
AIC	2.307
BIC	2.606
F-Statistic	36.329
Prob (F-Statistic)	0.000
Log-Likelihood	-300.85
Model Sum of Squares	4291
Sum of Squared Errors	990
Mean Squared Error	9.09
Std. Error of Regression	3.01
Mean Abs. Dev. (MAD)	1.83
Mean Abs. % Err. (MAPE)	3.18%
Durbin-Watson Statistic	2.839
Durbin-H Statistic	0.000
Ljung-Box Statistic	78.43
Prob (Ljung-Box)	0.000
Skewness	0.486
Kurtosis	9.556
Jarque-Bera	223.271
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	61.724	0.089	0.093
mBin.Feb	61.277	0.089	0.093
mBin.Mar	59.221	0.089	0.089
mBin.Apr	57.868	0.081	0.079
mBin.May	56.685	0.081	0.078

Variable	Coefficient	Mean	Elast
mBin.Jun	54.838	0.081	0.075
mBin.Jul	54.032	0.081	0.074
mBin.Aug	54.708	0.081	0.075
mBin.Sep	56.054	0.081	0.077
mBin.Oct	56.865	0.081	0.078
mBin.Nov	57.937	0.081	0.080
mBin.Dec	59.644	0.081	0.082

Project:	H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\C
Exponential Smoothing Model:	SLCusts
Dependent Variable:	mSales.SLCusts
Date:	August 20, 2025
Time:	10:37 AM
Estimation Begin Date:	2012:1
Estimation End Date:	2022:3
Forecast Period End Date:	2042:12

Variable	Coefficient
Simple	1.097

Model Statistics

Iterations	5
Adjusted Observations	123
Deg. of Freedom for Error	122
R-Squared	0.950
Adjusted R-Squared	0.950
AIC	1.067
BIC	1.090
F-Statistic	2305.923
Prob (F-Statistic)	0.000
Log-Likelihood	-239.14
Model Sum of Squares	6648
Sum of Squared Errors	352
Mean Squared Error	2.88
Std. Error of Regression	1.70
Mean Abs. Dev. (MAD)	0.28
Mean Abs. % Err. (MAPE)	0.78%
Durbin-Watson Statistic	2.000
Durbin-H Statistic	0.000
Ljung-Box Statistic	1.79
Prob (Ljung-Box)	1.000
Skewness	9.562
Kurtosis	103.010
Jarque-Bera	53134.8
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\2022\Fcst2022\Projects\Nolin.
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.079	0.021	50.805	0%
mStructResRev.XCool	1.073	0.032	33.913	0%
mStructResRev.XOther	1.025	0.019	54.084	0%
mBin.Yr2015Plus	-52.092	12.463	-4.180	0%
mBin.Yr2018Plus	-36.642	11.387	-3.218	0%
mBin.Mar	-133.045	17.243	-7.716	0%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	118
R-Squared	0.964
Adjusted R-Squared	0.963
AIC	7.967
BIC	8.104
F-Statistic	528.364
Prob (F-Statistic)	0.000
Log-Likelihood	-663.91
Model Sum of Squares	8722600
Sum of Squared Errors	324671
Mean Squared Error	2751.45
Std. Error of Regression	52.45
Mean Abs. Dev. (MAD)	40.07
Mean Abs. % Err. (MAPE)	3.28%
Durbin-Watson Statistic	2.304
Durbin-H Statistic	0.000
Ljung-Box Statistic	29.83
Prob (Ljung-Box)	0.191
Skewness	0.498
Kurtosis	3.208
Jarque-Bera	5.353
Prob (Jarque-Bera)	0.069

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	1.079	294.813	0.258
mStructResRev.XCool	1.073	179.185	0.156
mStructResRev.XOther	1.025	765.672	0.638
mBin.Yr2015Plus	-52.092	0.710	-0.030
mBin.Yr2018Plus	-36.642	0.419	-0.012
mBin.Mar	-133.045	0.089	-0.010

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	12610.908	822.277	15.337	0%
mStructComRev.XCool	7073.948	261.715	27.029	0%
mStructComRev.XOther	632.522	6.702	94.379	0%
mBin.Yr2018Plus	335.249	60.923	5.503	0%
MA(1)	0.315	0.083	3.811	0%

Model Statistics

Iterations	9
Adjusted Observations	148
Deg. of Freedom for Error	143
R-Squared	0.911
Adjusted R-Squared	0.909
AIC	11.263
BIC	11.364
F-Statistic	293.066
Prob (F-Statistic)	0.000
Log-Likelihood	-1038.43
Model Sum of Squares	110349621
Sum of Squared Errors	10768897
Mean Squared Error	75306.97
Std. Error of Regression	274.42
Mean Abs. Dev. (MAD)	207.94
Mean Abs. % Err. (MAPE)	2.32%
Durbin-Watson Statistic	1.896
Durbin-H Statistic	0.000
Ljung-Box Statistic	33.92
Prob (Ljung-Box)	0.086
Skewness	-0.108
Kurtosis	3.518
Jarque-Bera	1.943
Prob (Jarque-Bera)	0.379

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	12610.908	0.042	0.059
mStructComRev.XCool	7073.948	0.146	0.115
mStructComRev.XOther	632.522	11.489	0.812
mBin.Yr2018Plus	335.249	0.351	0.013

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	13072.664	786.514	16.621	0%
mBin.Feb	12094.813	782.167	15.463	0%
mBin.Mar	13217.874	778.461	16.979	0%
mBin.Apr	12543.430	775.302	16.179	0%
mBin.May	12917.551	777.574	16.613	0%
mBin.Jun	13015.812	779.494	16.698	0%
mBin.Jul	13011.377	781.111	16.658	0%
mBin.Aug	14071.406	782.468	17.983	0%
mBin.Sep	13436.054	783.604	17.146	0%
mBin.Oct	13883.075	784.549	17.696	0%
mBin.Nov	12743.041	785.334	16.226	0%
mBin.Dec	11933.407	785.982	15.183	0%
AR(1)	0.921	0.034	26.718	0%

Model Statistics

Iterations	6
Adjusted Observations	147
Deg. of Freedom for Error	134
R-Squared	0.860
Adjusted R-Squared	0.847
AIC	13.248
BIC	13.512
F-Statistic	63.147
Prob (F-Statistic)	-0.000
Log-Likelihood	-1169.28
Model Sum of Squares	427616101
Sum of Squared Errors	69801155
Mean Squared Error	520904.14
Std. Error of Regression	721.74
Mean Abs. Dev. (MAD)	451.91
Mean Abs. % Err. (MAPE)	3.89%
Durbin-Watson Statistic	1.806
Durbin-H Statistic	0.000
Ljung-Box Statistic	35.04
Prob (Ljung-Box)	0.068
Skewness	0.014
Kurtosis	14.798
Jarque-Bera	852.590
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	13072.664	0.088	0.088
mBin.Feb	12094.813	0.088	0.081
mBin.Mar	13217.874	0.088	0.089
mBin.Apr	12543.430	0.088	0.084
mBin.May	12917.551	0.081	0.080

Variable	Coefficient	Mean	Elast
mBin.Jun	13015.812	0.081	0.081
mBin.Jul	13011.377	0.081	0.081
mBin.Aug	14071.406	0.081	0.087
mBin.Sep	13436.054	0.081	0.083
mBin.Oct	13883.075	0.081	0.086
mBin.Nov	12743.041	0.081	0.079
mBin.Dec	11933.407	0.081	0.074

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	861.648	3.895	221.209	0%
AR(1)	0.951	0.022	43.008	0%

Model Statistics

Iterations	4
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.994
Adjusted R-Squared	0.994
AIC	8.922
BIC	8.963
F-Statistic	13099.556
Prob (F-Statistic)	0.000
Log-Likelihood	-862.34
Model Sum of Squares	193696529
Sum of Squared Errors	1072021
Mean Squared Error	7393.25
Std. Error of Regression	85.98
Mean Abs. Dev. (MAD)	56.88
Mean Abs. % Err. (MAPE)	0.18%
Durbin-Watson Statistic	2.457
Durbin-H Statistic	0.037
Ljung-Box Statistic	29.58
Prob (Ljung-Box)	0.199
Skewness	-1.151
Kurtosis	15.602
Jarque-Bera	1005.114
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	861.648	38.071	1.003

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.060	0.001	67.113	0%
AR(1)	0.927	0.031	30.331	0%

Model Statistics

Iterations	5
Adjusted Observations	147
Deg. of Freedom for Error	145
R-Squared	0.668
Adjusted R-Squared	0.666
AIC	6.469
BIC	6.510
F-Statistic	145.857
Prob (F-Statistic)	0.000
Log-Likelihood	-682.05
Model Sum of Squares	185578
Sum of Squared Errors	92244
Mean Squared Error	636.16
Std. Error of Regression	25.22
Mean Abs. Dev. (MAD)	13.92
Mean Abs. % Err. (MAPE)	0.70%
Durbin-Watson Statistic	2.245
Durbin-H Statistic	0.000
Ljung-Box Statistic	21.59
Prob (Ljung-Box)	0.604
Skewness	2.422
Kurtosis	19.564
Jarque-Bera	1824.297
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
ResCusts.Filled	0.060	32708.108	0.990

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.991	0.089	22.345	0%
mPeakVars.CoolingVar	3.685	0.184	20.012	0%
mPeakVars.BaseVar	0.252	0.007	38.277	0%
mBin.Yr2016Plus	-6.122	1.603	-3.819	0%
mBin.Mar	15.731	2.908	5.410	0%
mBin.May	-5.673	2.941	-1.929	6%
mBin.Nov	-4.685	2.969	-1.578	12%
mBin.Mar16	-19.399	8.944	-2.169	3%
mBin.Apr18	25.601	8.694	2.945	0%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	115
R-Squared	0.902
Adjusted R-Squared	0.895
AIC	4.351
BIC	4.556
F-Statistic	117.364
Prob (F-Statistic)	0.000
Log-Likelihood	-436.73
Model Sum of Squares	76424
Sum of Squared Errors	8321
Mean Squared Error	72.35
Std. Error of Regression	8.51
Mean Abs. Dev. (MAD)	6.52
Mean Abs. % Err. (MAPE)	4.42%
Durbin-Watson Statistic	1.579
Durbin-H Statistic	0.000
Ljung-Box Statistic	34.17
Prob (Ljung-Box)	0.082
Skewness	-0.179
Kurtosis	3.025
Jarque-Bera	0.668
Prob (Jarque-Bera)	0.716

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	1.991	13.666	0.188
mPeakVars.CoolingVar	3.685	5.680	0.145
mPeakVars.BaseVar	0.252	396.277	0.689
mBin.Yr2016Plus	-6.122	0.613	-0.026
mBin.Mar	15.731	0.089	0.010
mBin.May	-5.673	0.081	-0.003
mBin.Nov	-4.685	0.081	-0.003
mBin.Mar16	-19.399	0.008	-0.001
mBin.Apr18	25.601	0.008	0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	138.368	2.574	53.747	0%
mBin.Yr2016Plus	-20.929	3.251	-6.438	0%
AR(1)	0.758	0.055	13.681	0%

Model Statistics

Iterations	6
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.839
Adjusted R-Squared	0.836
AIC	3.447
BIC	3.508
F-Statistic	374.408
Prob (F-Statistic)	0.000
Log-Likelihood	-458.95
Model Sum of Squares	23051
Sum of Squared Errors	4433
Mean Squared Error	30.78
Std. Error of Regression	5.55
Mean Abs. Dev. (MAD)	2.60
Mean Abs. % Err. (MAPE)	2.18%
Durbin-Watson Statistic	1.662
Durbin-H Statistic	0.289
Ljung-Box Statistic	186.49
Prob (Ljung-Box)	0.000
Skewness	0.499
Kurtosis	12.497
Jarque-Bera	558.566
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.Yr2016Plus	-20.929	0.514	-0.084

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Nolin.
Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	33.421	0.542	61.629	0%
mBin.Yr2018Plus	-0.166	0.544	-0.305	76%
AR(1)	0.899	0.036	24.642	0%

Model Statistics

Iterations	4
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.814
Adjusted R-Squared	0.812
AIC	-0.977
BIC	-0.916
F-Statistic	315.820
Prob (F-Statistic)	0.000
Log-Likelihood	-133.77
Model Sum of Squares	233
Sum of Squared Errors	53
Mean Squared Error	0.37
Std. Error of Regression	0.61
Mean Abs. Dev. (MAD)	0.27
Mean Abs. % Err. (MAPE)	0.80%
Durbin-Watson Statistic	2.042
Durbin-H Statistic	-0.689
Ljung-Box Statistic	21.83
Prob (Ljung-Box)	0.589
Skewness	-2.203
Kurtosis	31.830
Jarque-Bera	5209.744
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	-0.166	0.351	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2014:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	3.251	0.072	45.247	0%
mStructResRev.XCool	0.566	0.023	25.085	0%
mStructResRev.XOther	0.774	0.024	32.906	0%
mBin.Yr2017Plus	-46.575	12.072	-3.858	0%
mBin.Mar2022	-153.154	56.460	-2.713	1%

Model Statistics

Iterations	1
Adjusted Observations	100
Deg. of Freedom for Error	95
R-Squared	0.965
Adjusted R-Squared	0.964
AIC	8.093
BIC	8.224
F-Statistic	526.254
Prob (F-Statistic)	0.000
Log-Likelihood	-541.56
Model Sum of Squares	8201883
Sum of Squared Errors	296123
Mean Squared Error	3117.08
Std. Error of Regression	55.83
Mean Abs. Dev. (MAD)	40.72
Mean Abs. % Err. (MAPE)	3.86%
Durbin-Watson Statistic	2.195
Durbin-H Statistic	0.000
Ljung-Box Statistic	27.53
Prob (Ljung-Box)	0.280
Skewness	0.731
Kurtosis	4.284
Jarque-Bera	15.767
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	3.251	117.473	0.357
mStructResRev.XCool	0.566	284.577	0.151
mStructResRev.XOther	0.774	720.903	0.521
mBin.Yr2017Plus	-46.575	0.640	-0.028
mBin.Mar2022	-153.154	0.010	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	14509.056	1822.041	7.963	0%
mStructComRev.XCool	5421.492	482.493	11.236	0%
mStructComRev.XOther	717.786	35.265	20.354	0%
mBin.Yr2016Plus	1234.441	198.293	6.225	0%
mBin.Apr	-503.476	152.583	-3.300	0%
mBin.TrendVar	22.732	27.173	0.837	40%
mBin.Year2020	-539.355	182.395	-2.957	0%
MA(1)	0.171	0.085	2.024	4%

Model Statistics

Iterations	8
Adjusted Observations	148
Deg. of Freedom for Error	140
R-Squared	0.734
Adjusted R-Squared	0.721
AIC	12.433
BIC	12.595
F-Statistic	48.270
Prob (F-Statistic)	0.000
Log-Likelihood	-1122.02
Model Sum of Squares	91920340
Sum of Squared Errors	33324834
Mean Squared Error	238034.53
Std. Error of Regression	487.89
Mean Abs. Dev. (MAD)	356.78
Mean Abs. % Err. (MAPE)	3.48%
Durbin-Watson Statistic	1.917
Durbin-H Statistic	0.000
Ljung-Box Statistic	56.19
Prob (Ljung-Box)	0.000
Skewness	0.356
Kurtosis	4.779
Jarque-Bera	22.651
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	14509.056	0.041	0.057
mStructComRev.XCool	5421.492	0.146	0.076
mStructComRev.XOther	717.786	11.258	0.778
mBin.Yr2016Plus	1234.441	0.514	0.061
mBin.Apr	-503.476	0.088	-0.004
mBin.TrendVar	22.732	16.208	0.035
mBin.Year2020	-539.355	0.081	-0.004

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	43035.501	1829.041	23.529	0%
mBin.Feb	37978.638	1801.264	21.084	0%
mBin.Mar	41494.489	1783.076	23.271	0%
mBin.Apr	40408.015	1785.991	22.625	0%
mBin.May	42290.031	1789.965	23.626	0%
mBin.Jun	41302.826	1790.368	23.069	0%
mBin.Jul	42038.982	1789.019	23.498	0%
mBin.Aug	44249.528	1786.935	24.763	0%
mBin.Sep	43312.557	1784.668	24.269	0%
mBin.Oct	45657.429	1782.501	25.614	0%
mBin.Nov	41990.586	1780.560	23.583	0%
mBin.Dec	43953.716	1762.878	24.933	0%
mBin.AprNov15	-9089.245	2614.920	-3.476	0%
mBin.Aft2019	4989.982	2583.500	1.931	6%
AR(1)	0.782	0.055	14.327	0%

Model Statistics

Iterations	10
Adjusted Observations	147
Deg. of Freedom for Error	132
R-Squared	0.757
Adjusted R-Squared	0.732
AIC	16.420
BIC	16.725
F-Statistic	27.451
Prob (F-Statistic)	0.000
Log-Likelihood	-1400.46
Model Sum of Squares	5057318246
Sum of Squared Errors	1621212660
Mean Squared Error	12281914.09
Std. Error of Regression	3504.56
Mean Abs. Dev. (MAD)	2546.89
Mean Abs. % Err. (MAPE)	5.99%
Durbin-Watson Statistic	2.237
Durbin-H Statistic	0.000
Ljung-Box Statistic	37.93
Prob (Ljung-Box)	0.035
Skewness	0.642
Kurtosis	3.707
Jarque-Bera	13.151
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.Jan	43035.501	0.088	0.089
mBin.Feb	37978.638	0.088	0.078
mBin.Mar	41494.489	0.088	0.086

Variable	Coefficient	Mean	Elast
mBin.Apr	40408.015	0.088	0.083
mBin.May	42290.031	0.081	0.081
mBin.Jun	41302.826	0.081	0.079
mBin.Jul	42038.982	0.081	0.080
mBin.Aug	44249.528	0.081	0.084
mBin.Sep	43312.557	0.081	0.083
mBin.Oct	45657.429	0.081	0.087
mBin.Nov	41990.586	0.081	0.080
mBin.Dec	43953.716	0.081	0.084
mBin.AprNov15	-9089.245	0.054	-0.012
mBin.Aft2019	4989.982	0.189	0.022

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2013:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	1014.489	22.087	45.932	0%
mBin.Apr2017	-375.120	69.608	-5.389	0%
AR(1)	0.986	0.012	82.959	0%
MA(1)	-0.535	0.084	-6.372	0%

Model Statistics

Iterations	17
Adjusted Observations	111
Deg. of Freedom for Error	107
R-Squared	0.968
Adjusted R-Squared	0.968
AIC	8.781
BIC	8.879
F-Statistic	819.713
Prob (F-Statistic)	0.000
Log-Likelihood	-640.84
Model Sum of Squares	20599337
Sum of Squared Errors	672226
Mean Squared Error	6282.49
Std. Error of Regression	79.26
Mean Abs. Dev. (MAD)	61.53
Mean Abs. % Err. (MAPE)	0.27%
Durbin-Watson Statistic	2.151
Durbin-H Statistic	0.214
Ljung-Box Statistic	30.94
Prob (Ljung-Box)	0.156
Skewness	-0.374
Kurtosis	3.154
Jarque-Bera	2.691
Prob (Jarque-Bera)	0.260

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	1014.489	22.892	1.024
mBin.Apr2017	-375.120	0.009	-0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Feb2019	61.724	6.916	8.925	0%
ResCusts.Filled	0.028	0.008	3.401	0%
Econ.EmpNonMan	73.089	13.310	5.491	0%
AR(1)	1.003	0.008	130.819	0%

Model Statistics

Iterations	13
Adjusted Observations	112
Deg. of Freedom for Error	108
R-Squared	0.944
Adjusted R-Squared	0.942
AIC	4.883
BIC	4.980
F-Statistic	453.719
Prob (F-Statistic)	0.000
Log-Likelihood	-428.38
Model Sum of Squares	231395
Sum of Squared Errors	13770
Mean Squared Error	127.50
Std. Error of Regression	11.29
Mean Abs. Dev. (MAD)	8.25
Mean Abs. % Err. (MAPE)	0.48%
Durbin-Watson Statistic	2.258
Durbin-H Statistic	0.000
Ljung-Box Statistic	76.13
Prob (Ljung-Box)	0.000
Skewness	-0.023
Kurtosis	3.976
Jarque-Bera	4.454
Prob (Jarque-Bera)	0.108

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	61.724	0.009	0.000
ResCusts.Filled	0.028	22687.036	0.365
Econ.EmpNonMan	73.089	13.471	0.571

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.036	0.058	17.754	0%
mPeakVars.CoolingVar	1.682	0.183	9.198	0%
mPeakVars.BaseVar	0.412	0.005	76.242	0%
mBin.Mar	7.117	1.801	3.951	0%
mBin.May	-7.251	1.923	-3.770	0%
mBin.Oct15	-17.990	4.997	-3.600	0%
MA(1)	0.601	0.068	8.826	0%

Model Statistics

Iterations	15
Adjusted Observations	100
Deg. of Freedom for Error	93
R-Squared	0.854
Adjusted R-Squared	0.845
AIC	4.104
BIC	4.286
F-Statistic	77.781
Prob (F-Statistic)	0.000
Log-Likelihood	-340.07
Model Sum of Squares	30819
Sum of Squared Errors	5264
Mean Squared Error	56.60
Std. Error of Regression	7.52
Mean Abs. Dev. (MAD)	5.90
Mean Abs. % Err. (MAPE)	3.98%
Durbin-Watson Statistic	2.112
Durbin-H Statistic	0.000
Ljung-Box Statistic	35.81
Prob (Ljung-Box)	0.057
Skewness	0.089
Kurtosis	2.593
Jarque-Bera	0.822
Prob (Jarque-Bera)	0.663

Forecast Statistics

Forecast Observations	1
Mean Abs. Dev. (MAD)	0.78
Mean Abs. % Err. (MAPE)	0.58%
Avg. Forecast Error	-0.78
Mean % Error	-0.58%
Root Mean-Square Error	0.78
Theil's Inequality Coefficient	0.003
-- Bias Proportion	100.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Variable	Coefficient	Mean	Elast
mPeakVars.HeatingVar	1.036	15.141	0.105
mPeakVars.CoolingVar	1.682	3.757	0.042
mPeakVars.BaseVar	0.412	308.816	0.855
mBin.Mar	7.117	0.090	0.004
mBin.May	-7.251	0.080	-0.004
mBin.Oct15	-17.990	0.010	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Fleming
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	8.625	1.258	6.856	0%
mBin.Feb	8.617	1.258	6.850	0%
mBin.Mar	8.636	1.258	6.867	0%
mBin.Apr	8.621	1.257	6.856	0%
mBin.May	8.664	1.258	6.887	0%
mBin.Jun	8.658	1.258	6.881	0%
mBin.Jul	8.667	1.259	6.886	0%
mBin.Aug	8.636	1.259	6.861	0%
mBin.Sep	8.621	1.259	6.849	0%
mBin.Oct	8.636	1.259	6.861	0%
mBin.Nov	8.617	1.259	6.847	0%
mBin.Dec	8.613	1.258	6.844	0%
AR(1)	0.989	0.011	89.666	0%

Model Statistics

Iterations	11
Adjusted Observations	147
Deg. of Freedom for Error	134
R-Squared	0.983
Adjusted R-Squared	0.982
AIC	-4.376
BIC	-4.112
F-Statistic	614.209
Prob (F-Statistic)	0.000
Log-Likelihood	126.07
Model Sum of Squares	92
Sum of Squared Errors	2
Mean Squared Error	0.01
Std. Error of Regression	0.11
Mean Abs. Dev. (MAD)	0.05
Mean Abs. % Err. (MAPE)	0.70%
Durbin-Watson Statistic	1.679
Durbin-H Statistic	0.862
Ljung-Box Statistic	45.21
Prob (Ljung-Box)	0.006
Skewness	1.965
Kurtosis	12.594
Jarque-Bera	658.382
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	8.625	0.088	0.099
mBin.Feb	8.617	0.088	0.099
mBin.Mar	8.636	0.088	0.099
mBin.Apr	8.621	0.088	0.099
mBin.May	8.664	0.081	0.092

Variable	Coefficient	Mean	Elast
mBin.Jun	8.658	0.081	0.092
mBin.Jul	8.667	0.081	0.092
mBin.Aug	8.636	0.081	0.091
mBin.Sep	8.621	0.081	0.091
mBin.Oct	8.636	0.081	0.091
mBin.Nov	8.617	0.081	0.091
mBin.Dec	8.613	0.081	0.091

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\F
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.IndCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	1.000

Model Statistics

Iterations	5
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.942
Adjusted R-Squared	0.942
AIC	-4.984
BIC	-4.963
F-Statistic	2395.703
Prob (F-Statistic)	0.000
Log-Likelihood	159.79
Model Sum of Squares	16
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)	0.11%
Durbin-Watson Statistic	2.000
Durbin-H Statistic	0.000
Ljung-Box Statistic	0.16
Prob (Ljung-Box)	1.000
Skewness	12.042
Kurtosis	146.007
Jarque-Bera	129691.0
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\2022\Fcst2022\Projects\South
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.249	0.037	34.193	0%
mStructResRev.XCool	0.946	0.043	21.839	0%
mStructResRev.XOther	0.831	0.039	21.219	0%
mBin.Mar2020	-29.347	70.060	-0.419	68%
mBin.Aft2019	-47.143	20.673	-2.280	2%
mBin.Jun2020	85.755	70.240	1.221	22%
AR(1)	0.243	0.089	2.712	1%

Model Statistics

Iterations	6
Adjusted Observations	123
Deg. of Freedom for Error	116
R-Squared	0.941
Adjusted R-Squared	0.937
AIC	8.597
BIC	8.757
F-Statistic	261.974
Prob (F-Statistic)	0.000
Log-Likelihood	-696.27
Model Sum of Squares	9400673
Sum of Squared Errors	594649
Mean Squared Error	5126.29
Std. Error of Regression	71.60
Mean Abs. Dev. (MAD)	52.34
Mean Abs. % Err. (MAPE)	4.76%
Durbin-Watson Statistic	2.064
Durbin-H Statistic	0.000
Ljung-Box Statistic	39.72
Prob (Ljung-Box)	0.023
Skewness	0.434
Kurtosis	3.960
Jarque-Bera	8.587
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
mStructResRev.XHeat	1.249	336.500	0.390
mStructResRev.XCool	0.946	206.301	0.181
mStructResRev.XOther	0.831	567.006	0.437
mBin.Mar2020	-29.347	0.008	-0.000
mBin.Aft2019	-47.143	0.226	-0.010
mBin.Jun2020	85.755	0.008	0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	45335.661	2572.385	17.624	0%
mStructComRev.XCool	14931.222	615.535	24.257	0%
mStructComRev.XOther	1633.775	18.010	90.716	0%
mBin.Mar2020	-549.022	833.051	-0.659	51%
mBin.Apr2020	-1543.431	833.085	-1.853	7%
mBin.May2020	-2429.514	835.074	-2.909	0%
mBin.Aft2019	-262.782	185.860	-1.414	16%
mBin.Jun2020	-1790.144	833.183	-2.149	3%
mBin.Jul2020	-279.827	834.039	-0.336	74%

Model Statistics

Iterations	1
Adjusted Observations	136
Deg. of Freedom for Error	127
R-Squared	0.871
Adjusted R-Squared	0.863
AIC	13.466
BIC	13.658
F-Statistic	95.283
Prob (F-Statistic)	0.000
Log-Likelihood	-1099.63
Model Sum of Squares	566939086
Sum of Squared Errors	83962070
Mean Squared Error	661118.66
Std. Error of Regression	813.09
Mean Abs. Dev. (MAD)	596.25
Mean Abs. % Err. (MAPE)	2.56%
Durbin-Watson Statistic	1.694
Durbin-H Statistic	0.000
Ljung-Box Statistic	95.00
Prob (Ljung-Box)	0.000
Skewness	0.178
Kurtosis	3.366
Jarque-Bera	1.474
Prob (Jarque-Bera)	0.479

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	45335.661	0.041	0.081
mStructComRev.XCool	14931.222	0.157	0.102
mStructComRev.XOther	1633.775	11.567	0.821
mBin.Mar2020	-549.022	0.007	-0.000
mBin.Apr2020	-1543.431	0.007	-0.000
mBin.May2020	-2429.514	0.007	-0.001
mBin.Aft2019	-262.782	0.206	-0.002
mBin.Jun2020	-1790.144	0.007	-0.001
mBin.Jul2020	-279.827	0.007	-0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.ManEmp	108.696	375.513	0.289	77%
mBin.Feb14Plus	3663.216	152.184	24.071	0%
mBin.Yr19Plus	-503.120	234.939	-2.141	3%
mBin.Jan	10414.211	3100.101	3.359	0%
mBin.Feb	10836.904	3105.361	3.490	0%
mBin.Mar	9827.769	3116.715	3.153	0%
mBin.Apr	10802.897	3123.852	3.458	0%
mBin.May	10470.325	3119.887	3.356	0%
mBin.Jun	11424.706	3120.400	3.661	0%
mBin.Jul	12093.667	3119.274	3.877	0%
mBin.Aug	12194.786	3108.289	3.923	0%
mBin.Sep	12859.652	3110.785	4.134	0%
mBin.Oct	11463.338	3113.280	3.682	0%
mBin.Nov	11528.869	3115.776	3.700	0%
mBin.Dec	10156.715	3115.483	3.260	0%
mBin.Aft2019	215.691	253.368	0.851	40%
mBin.Mar2020	367.620	555.718	0.662	51%
mBin.Apr2020	-262.995	617.013	-0.426	67%
mBin.May2020	-2123.775	623.757	-3.405	0%
mBin.Jun2020	-2951.854	629.206	-4.691	0%
mBin.Jul2020	-1226.162	567.367	-2.161	3%
MA(1)	0.420	0.085	4.914	0%

Model Statistics

Iterations	12
Adjusted Observations	136
Deg. of Freedom for Error	114
R-Squared	0.939
Adjusted R-Squared	0.928
AIC	12.629
BIC	13.101
F-Statistic	79.931
Prob (F-Statistic)	0.000
Log-Likelihood	-1029.77
Model Sum of Squares	463572839
Sum of Squared Errors	30052865
Mean Squared Error	263621.62
Std. Error of Regression	513.44
Mean Abs. Dev. (MAD)	340.18
Mean Abs. % Err. (MAPE)	2.37%
Durbin-Watson Statistic	1.750
Durbin-H Statistic	0.000
Ljung-Box Statistic	33.62
Prob (Ljung-Box)	0.092
Skewness	0.698
Kurtosis	5.773
Jarque-Bera	54.623

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%

Model Statistics

Prob (Jarque-Bera)

0.000

Variable	Coefficient	Mean	Elast
mEcon.ManEmp	108.696	8.323	0.062
mBin.Feb14Plus	3663.216	0.728	0.183
mBin.Yr19Plus	-503.120	0.294	-0.010
mBin.Jan	10414.211	0.088	0.063
mBin.Feb	10836.904	0.088	0.066
mBin.Mar	9827.769	0.088	0.059
mBin.Apr	10802.897	0.088	0.065
mBin.May	10470.325	0.081	0.058
mBin.Jun	11424.706	0.081	0.063
mBin.Jul	12093.667	0.081	0.067
mBin.Aug	12194.786	0.081	0.068
mBin.Sep	12859.652	0.081	0.071
mBin.Oct	11463.338	0.081	0.064
mBin.Nov	11528.869	0.081	0.064
mBin.Dec	10156.715	0.081	0.056
mBin.Aft2019	215.691	0.206	0.003
mBin.Mar2020	367.620	0.007	0.000
mBin.Apr2020	-262.995	0.007	-0.000
mBin.May2020	-2123.775	0.007	-0.001
mBin.Jun2020	-2951.854	0.007	-0.001
mBin.Jul2020	-1226.162	0.007	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: PubBldgSales
Dependent Variable: mSales.PubBldgSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2021:12
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	10619.721	446.681	23.775	0%
mStructComRev.XCool	1401.208	103.634	13.521	0%
mStructComRev.XOther	28.291	3.397	8.329	0%
mBin.Jan2018	535.981	103.082	5.200	0%
mBin.Yr2015Plus_Trend	6.455	1.308	4.934	0%
MA(1)	0.306	0.099	3.084	0%

Model Statistics

Iterations	9
Adjusted Observations	132
Deg. of Freedom for Error	126
R-Squared	0.908
Adjusted R-Squared	0.904
AIC	9.393
BIC	9.524
F-Statistic	206.691
Prob (F-Statistic)	0.000
Log-Likelihood	-801.21
Model Sum of Squares	14234511
Sum of Squared Errors	1446241
Mean Squared Error	11478.11
Std. Error of Regression	107.14
Mean Abs. Dev. (MAD)	81.44
Mean Abs. % Err. (MAPE)	7.96%
Durbin-Watson Statistic	1.894
Durbin-H Statistic	0.000
Ljung-Box Statistic	91.53
Prob (Ljung-Box)	0.000
Skewness	0.005
Kurtosis	3.488
Jarque-Bera	1.309
Prob (Jarque-Bera)	0.520

Forecast Statistics

Forecast Observations	4
Mean Abs. Dev. (MAD)	216.99
Mean Abs. % Err. (MAPE)	15.42%
Avg. Forecast Error	125.50
Mean % Error	7.90%
Root Mean-Square Error	238.55
Theil's Inequality Coefficient	0.088
-- Bias Proportion	27.68%
-- Variance Proportion	3.88%
-- Covariance Proportion	68.44%

Variable	Coefficient	Mean	Elast
mStructComRev.XHeat	10619.721	0.040	0.402
mStructComRev.XCool	1401.208	0.162	0.213
mStructComRev.XOther	28.291	11.574	0.308
mBin.Jan2018	535.981	0.008	0.004
mBin.Yr2015Plus_Trend	6.455	11.799	0.072

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\S
Exponential Smoothing Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.449

Model Statistics

Iterations	7
Adjusted Observations	124
Deg. of Freedom for Error	123
R-Squared	0.914
Adjusted R-Squared	0.914
AIC	3.078
BIC	3.101
F-Statistic	1304.066
Prob (F-Statistic)	0.000
Log-Likelihood	-365.81
Model Sum of Squares	28102
Sum of Squared Errors	2651
Mean Squared Error	21.55
Std. Error of Regression	4.64
Mean Abs. Dev. (MAD)	2.12
Mean Abs. % Err. (MAPE)	2.33%
Durbin-Watson Statistic	2.054
Durbin-H Statistic	0.000
Ljung-Box Statistic	13.98
Prob (Ljung-Box)	0.947
Skewness	-2.202
Kurtosis	14.864
Jarque-Bera	827.4
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\2022\Fcst2022\Projects\South
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	1102.297	1.402	785.959	0%
mBin.Aft2019	1737.909	160.329	10.840	0%
MA(1)	0.678	0.067	10.083	0%

Model Statistics

Iterations	10
Adjusted Observations	124
Deg. of Freedom for Error	121
R-Squared	0.790
Adjusted R-Squared	0.787
AIC	12.287
BIC	12.355
F-Statistic	151.786
Prob (F-Statistic)	0.000
Log-Likelihood	-934.76
Model Sum of Squares	96441510
Sum of Squared Errors	25626893
Mean Squared Error	211792.51
Std. Error of Regression	460.21
Mean Abs. Dev. (MAD)	368.83
Mean Abs. % Err. (MAPE)	0.60%
Durbin-Watson Statistic	1.107
Durbin-H Statistic	2.680
Ljung-Box Statistic	619.46
Prob (Ljung-Box)	0.000
Skewness	-0.653
Kurtosis	3.284
Jarque-Bera	9.228
Prob (Jarque-Bera)	0.010

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	1102.297	55.531	0.993
mBin.Aft2019	1737.909	0.226	0.006

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Yr2015Plus_Trend	2.292	2.414	0.950	34%
AR(1)	1.001	0.001	1592.020	0%

Model Statistics

Iterations	5
Adjusted Observations	135
Deg. of Freedom for Error	133
R-Squared	0.963
Adjusted R-Squared	0.963
AIC	7.199
BIC	7.242
F-Statistic	1745.606
Prob (F-Statistic)	0.000
Log-Likelihood	-675.49
Model Sum of Squares	4603356
Sum of Squared Errors	175368
Mean Squared Error	1318.56
Std. Error of Regression	36.31
Mean Abs. Dev. (MAD)	22.61
Mean Abs. % Err. (MAPE)	0.45%
Durbin-Watson Statistic	2.770
Durbin-H Statistic	-0.062
Ljung-Box Statistic	41.96
Prob (Ljung-Box)	0.013
Skewness	1.359
Kurtosis	12.180
Jarque-Bera	515.557
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.Yr2015Plus_Trend	2.292	12.105	0.006

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	4.645	0.183	25.426	0%
mPeakVars.CoolingVar	6.937	0.701	9.889	0%
mPeakVars.BaseVar	0.229	0.007	35.001	0%
mBin.Mar	22.246	6.396	3.478	0%
mBin.Oct	-21.502	6.707	-3.206	0%
mBin.Nov	-15.074	6.484	-2.325	2%
mBin.Mar16	-59.421	18.649	-3.186	0%
mBin.Apr17	-37.659	18.009	-2.091	4%
mBin.Feb19	-40.049	17.910	-2.236	3%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	103
R-Squared	0.920
Adjusted R-Squared	0.914
AIC	5.823
BIC	6.042
F-Statistic	131.717
Prob (F-Statistic)	0.000
Log-Likelihood	-476.02
Model Sum of Squares	371052
Sum of Squared Errors	32239
Mean Squared Error	313.00
Std. Error of Regression	17.69
Mean Abs. Dev. (MAD)	12.92
Mean Abs. % Err. (MAPE)	5.03%
Durbin-Watson Statistic	1.711
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.82
Prob (Ljung-Box)	0.650
Skewness	0.241
Kurtosis	3.957
Jarque-Bera	5.354
Prob (Jarque-Bera)	0.069

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	4.645	14.394	0.258
mPeakVars.CoolingVar	6.937	2.830	0.076
mPeakVars.BaseVar	0.229	763.569	0.674
mBin.Mar	22.246	0.089	0.008
mBin.Oct	-21.502	0.080	-0.007
mBin.Nov	-15.074	0.080	-0.005
mBin.Mar16	-59.421	0.009	-0.002
mBin.Apr17	-37.659	0.009	-0.001
mBin.Feb19	-40.049	0.009	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\South
Model: PubBldgCusts
Dependent Variable: mSales.PubBldgCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	709.969	5.422	130.937	0%
mBin.TrendVar	10.043	0.311	32.324	0%
MA(1)	0.517	0.090	5.725	0%
MA(2)	0.152	0.090	1.682	10%

Model Statistics

Iterations	15
Adjusted Observations	124
Deg. of Freedom for Error	120
R-Squared	0.959
Adjusted R-Squared	0.958
AIC	3.710
BIC	3.801
F-Statistic	940.549
Prob (F-Statistic)	0.000
Log-Likelihood	-402.00
Model Sum of Squares	111725
Sum of Squared Errors	4751
Mean Squared Error	39.60
Std. Error of Regression	6.29
Mean Abs. Dev. (MAD)	4.51
Mean Abs. % Err. (MAPE)	0.51%
Durbin-Watson Statistic	1.942
Durbin-H Statistic	-0.580
Ljung-Box Statistic	41.90
Prob (Ljung-Box)	0.013
Skewness	1.151
Kurtosis	5.749
Jarque-Bera	66.446
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	10.043	17.208	0.196

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\S
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:44 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.326

Model Statistics

Iterations	7
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.392
Adjusted R-Squared	0.392
AIC	0.184
BIC	0.204
F-Statistic	94.706
Prob (F-Statistic)	0.000
Log-Likelihood	-222.61
Model Sum of Squares	113
Sum of Squared Errors	176
Mean Squared Error	1.19
Std. Error of Regression	1.09
Mean Abs. Dev. (MAD)	0.62
Mean Abs. % Err. (MAPE)	2.76%
Durbin-Watson Statistic	2.193
Durbin-H Statistic	0.000
Ljung-Box Statistic	33.56
Prob (Ljung-Box)	0.093
Skewness	-0.361
Kurtosis	8.398
Jarque-Bera	182.9
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\2022\Fcst2022\Projects\Licking
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.148	0.049	23.521	0%
mStructResRev.XCool	1.403	0.121	11.614	0%
mStructResRev.XOther	1.001	0.031	32.564	0%
mBin.Yr2016Plus	-92.952	14.415	-6.448	0%
mBin.Feb	-88.656	26.235	-3.379	0%
mBin.Mar	-152.755	26.592	-5.744	0%
mBin.Apr	-109.971	27.200	-4.043	0%
mBin.Nov	73.590	26.342	2.794	1%
mBin.Mar2020	14.515	78.487	0.185	85%
mBin.Apr2020	57.323	78.334	0.732	47%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	114
R-Squared	0.901
Adjusted R-Squared	0.893
AIC	8.698
BIC	8.925
F-Statistic	103.913
Prob (F-Statistic)	0.000
Log-Likelihood	-705.22
Model Sum of Squares	5762398
Sum of Squared Errors	632177
Mean Squared Error	5545.42
Std. Error of Regression	74.47
Mean Abs. Dev. (MAD)	55.71
Mean Abs. % Err. (MAPE)	5.75%
Durbin-Watson Statistic	1.919
Durbin-H Statistic	0.000
Ljung-Box Statistic	48.71
Prob (Ljung-Box)	0.002
Skewness	0.258
Kurtosis	3.170
Jarque-Bera	1.528
Prob (Jarque-Bera)	0.466

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	1.148	212.853	0.251
mStructResRev.XCool	1.403	72.324	0.104
mStructResRev.XOther	1.001	710.176	0.729
mBin.Yr2016Plus	-92.952	0.613	-0.058
mBin.Feb	-88.656	0.089	-0.008
mBin.Mar	-152.755	0.089	-0.014
mBin.Apr	-109.971	0.089	-0.010
mBin.Nov	73.590	0.081	0.006

Variable	Coefficient	Mean	Elast
mBin.Mar2020	14.515	0.008	0.000
mBin.Apr2020	57.323	0.008	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Lickin
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	8697.681	584.451	14.882	0%
mStructComRev.XCool	2034.858	168.961	12.043	0%
mStructComRev.XOther	246.286	4.950	49.755	0%
mBin.Yr2013	-326.168	62.856	-5.189	0%
mBin.Yr2015Plus	133.066	35.998	3.697	0%
mBin.Dec13	-937.776	181.913	-5.155	0%
mBin.Mar2020	-269.355	174.537	-1.543	13%
mBin.Apr2020	-309.031	175.003	-1.766	8%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	116
R-Squared	0.765
Adjusted R-Squared	0.751
AIC	10.364
BIC	10.546
F-Statistic	47.217
Prob (F-Statistic)	0.000
Log-Likelihood	-810.53
Model Sum of Squares	11251835
Sum of Squared Errors	3455392
Mean Squared Error	29787.86
Std. Error of Regression	172.59
Mean Abs. Dev. (MAD)	125.16
Mean Abs. % Err. (MAPE)	3.56%
Durbin-Watson Statistic	1.743
Durbin-H Statistic	0.000
Ljung-Box Statistic	40.00
Prob (Ljung-Box)	0.021
Skewness	0.556
Kurtosis	5.905
Jarque-Bera	49.986
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	8697.681	0.040	0.102
mStructComRev.XCool	2034.858	0.140	0.083
mStructComRev.XOther	246.286	11.133	0.801
mBin.Yr2013	-326.168	0.097	-0.009
mBin.Yr2015Plus	133.066	0.710	0.028
mBin.Dec13	-937.776	0.008	-0.002
mBin.Mar2020	-269.355	0.008	-0.001
mBin.Apr2020	-309.031	0.008	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Lickin
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	1080.563	81.917	13.191	0%
mBin.Jan	43.047	37.698	1.142	26%
mBin.Feb	-62.703	47.124	-1.331	19%
mBin.Mar	117.654	54.003	2.179	3%
mBin.Apr	131.573	58.011	2.268	3%
mBin.May	215.538	60.064	3.588	0%
mBin.Jun	196.798	61.037	3.224	0%
mBin.Jul	363.274	60.392	6.015	0%
mBin.Aug	303.582	58.078	5.227	0%
mBin.Sep	106.891	53.842	1.985	5%
mBin.Oct	91.321	47.071	1.940	6%
mBin.Nov	24.023	36.182	0.664	51%
mBin.Dec13	980.904	84.705	11.580	0%
mBin.Dec14	-795.941	84.702	-9.397	0%
mBin.Mar2020	-104.963	96.135	-1.092	28%
mBin.Apr2020	-92.867	96.336	-0.964	34%
mBin.Aft2019	-126.484	98.943	-1.278	20%
AR(1)	0.863	0.051	16.770	0%

Model Statistics

Iterations	11
Adjusted Observations	123
Deg. of Freedom for Error	105
R-Squared	0.882
Adjusted R-Squared	0.863
AIC	9.454
BIC	9.866
F-Statistic	46.052
Prob (F-Statistic)	0.000
Log-Likelihood	-737.97
Model Sum of Squares	8735546
Sum of Squared Errors	1171598
Mean Squared Error	11158.08
Std. Error of Regression	105.63
Mean Abs. Dev. (MAD)	62.49
Mean Abs. % Err. (MAPE)	5.27%
Durbin-Watson Statistic	2.248
Durbin-H Statistic	0.000
Ljung-Box Statistic	46.25
Prob (Ljung-Box)	0.004
Skewness	1.056
Kurtosis	13.894
Jarque-Bera	631.129
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
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Variable	Coefficient	Mean	Elast
mBin.Jan	43.047	0.089	0.003
mBin.Feb	-62.703	0.089	-0.005
mBin.Mar	117.654	0.089	0.009
mBin.Apr	131.573	0.089	0.010
mBin.May	215.538	0.081	0.015
mBin.Jun	196.798	0.081	0.013
mBin.Jul	363.274	0.081	0.025
mBin.Aug	303.582	0.081	0.021
mBin.Sep	106.891	0.081	0.007
mBin.Oct	91.321	0.081	0.006
mBin.Nov	24.023	0.081	0.002
mBin.Dec13	980.904	0.008	0.007
mBin.Dec14	-795.941	0.008	-0.005
mBin.Mar2020	-104.963	0.008	-0.001
mBin.Apr2020	-92.867	0.008	-0.001
mBin.Aft2019	-126.484	0.226	-0.024

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Lickin
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2014:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	16757.173	1050.166	15.957	0%
Econ.HH	-35.350	69.107	-0.512	61%
mBin.Aft2019	160.237	26.044	6.153	0%
MA(1)	0.695	0.075	9.263	0%

Model Statistics

Iterations	29
Adjusted Observations	100
Deg. of Freedom for Error	96
R-Squared	0.817
Adjusted R-Squared	0.812
AIC	7.656
BIC	7.760
F-Statistic	143.338
Prob (F-Statistic)	0.000
Log-Likelihood	-520.68
Model Sum of Squares	873625
Sum of Squared Errors	195035
Mean Squared Error	2031.61
Std. Error of Regression	45.07
Mean Abs. Dev. (MAD)	30.22
Mean Abs. % Err. (MAPE)	0.19%
Durbin-Watson Statistic	1.047
Durbin-H Statistic	1.166
Ljung-Box Statistic	179.55
Prob (Ljung-Box)	0.000
Skewness	-1.132
Kurtosis	7.669
Jarque-Bera	112.185
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	-35.350	15.111	-0.033
mBin.Aft2019	160.237	0.280	0.003

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Lickin
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	791.533	322.685	2.453	2%
ResCusts.Filled	0.023	0.020	1.146	25%
AR(1)	1.004	0.007	137.835	0%

Model Statistics

Iterations	12
Adjusted Observations	100
Deg. of Freedom for Error	97
R-Squared	0.951
Adjusted R-Squared	0.950
AIC	3.449
BIC	3.527
F-Statistic	946.830
Prob (F-Statistic)	0.000
Log-Likelihood	-311.32
Model Sum of Squares	57834
Sum of Squared Errors	2962
Mean Squared Error	30.54
Std. Error of Regression	5.53
Mean Abs. Dev. (MAD)	4.12
Mean Abs. % Err. (MAPE)	0.37%
Durbin-Watson Statistic	2.110
Durbin-H Statistic	0.000
Ljung-Box Statistic	20.90
Prob (Ljung-Box)	0.645
Skewness	-0.650
Kurtosis	3.957
Jarque-Bera	10.850
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
ResCusts.Filled	0.023	16267.160	0.337

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Lickin
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:41 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	0.622	0.040	15.495	0%
mPeakVars.CoolingVar	1.307	0.112	11.653	0%
mPeakVars.BaseVar	0.216	0.006	37.664	0%
mBin.Yr2016Plus	-3.362	0.752	-4.473	0%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	120
R-Squared	0.804
Adjusted R-Squared	0.799
AIC	2.850
BIC	2.941
F-Statistic	123.262
Prob (F-Statistic)	0.000
Log-Likelihood	-348.64
Model Sum of Squares	8256
Sum of Squared Errors	2009
Mean Squared Error	16.75
Std. Error of Regression	4.09
Mean Abs. Dev. (MAD)	3.16
Mean Abs. % Err. (MAPE)	6.25%
Durbin-Watson Statistic	1.782
Durbin-H Statistic	0.000
Ljung-Box Statistic	32.67
Prob (Ljung-Box)	0.111
Skewness	0.343
Kurtosis	3.629
Jarque-Bera	4.472
Prob (Jarque-Bera)	0.107

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	0.622	13.710	0.168
mPeakVars.CoolingVar	1.307	3.681	0.095
mPeakVars.BaseVar	0.216	181.886	0.776
mBin.Yr2016Plus	-3.362	0.613	-0.041

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.070	0.033	32.855	0%
mStructResRev.XCool	1.336	0.068	19.672	0%
mStructResRev.XOther	0.929	0.031	30.389	0%
mBin.Oct18	-199.299	81.220	-2.454	2%
mBin.May2021	-231.905	81.717	-2.838	1%
mBin.Yr2018Plus	-32.877	14.982	-2.194	3%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	118
R-Squared	0.923
Adjusted R-Squared	0.919
AIC	8.820
BIC	8.957
F-Statistic	234.965
Prob (F-Statistic)	0.000
Log-Likelihood	-716.80
Model Sum of Squares	9103353
Sum of Squared Errors	761955
Mean Squared Error	6457.25
Std. Error of Regression	80.36
Mean Abs. Dev. (MAD)	63.10
Mean Abs. % Err. (MAPE)	5.49%
Durbin-Watson Statistic	2.389
Durbin-H Statistic	0.000
Ljung-Box Statistic	28.55
Prob (Ljung-Box)	0.237
Skewness	-0.060
Kurtosis	2.652
Jarque-Bera	0.701
Prob (Jarque-Bera)	0.705

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	1.070	337.920	0.312
mStructResRev.XCool	1.336	134.370	0.155
mStructResRev.XOther	0.929	683.875	0.548
mBin.Oct18	-199.299	0.008	-0.001
mBin.May2021	-231.905	0.008	-0.002
mBin.Yr2018Plus	-32.877	0.419	-0.012

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	16361.579	1353.090	12.092	0%
mStructComRev.XCool	4576.566	382.922	11.952	0%
mStructComRev.XOther	433.078	11.822	36.634	0%
mBin.Yr2013Plus	549.438	96.443	5.697	0%
mBin.Yr2015	629.323	105.890	5.943	0%
mBin.Mar13	-1420.886	346.547	-4.100	0%
mBin.May2020	-950.847	346.567	-2.744	1%
mBin.Year2020Plus	-510.815	77.103	-6.625	0%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	116
R-Squared	0.778
Adjusted R-Squared	0.765
AIC	11.715
BIC	11.897
F-Statistic	50.807
Prob (F-Statistic)	0.000
Log-Likelihood	-894.28
Model Sum of Squares	46739830
Sum of Squared Errors	13339144
Mean Squared Error	114992.62
Std. Error of Regression	339.11
Mean Abs. Dev. (MAD)	261.13
Mean Abs. % Err. (MAPE)	4.01%
Durbin-Watson Statistic	2.208
Durbin-H Statistic	0.000
Ljung-Box Statistic	50.05
Prob (Ljung-Box)	0.001
Skewness	0.287
Kurtosis	3.034
Jarque-Bera	1.710
Prob (Jarque-Bera)	0.425

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	16361.579	0.040	0.100
mStructComRev.XCool	4576.566	0.140	0.098
mStructComRev.XOther	433.078	11.130	0.737
mBin.Yr2013Plus	549.438	0.903	0.076
mBin.Yr2015	629.323	0.097	0.009
mBin.Mar13	-1420.886	0.008	-0.002
mBin.May2020	-950.847	0.008	-0.001
mBin.Year2020Plus	-510.815	0.226	-0.018

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Jan	3416.444	1788.515	1.910	6%
mBin.Feb	3896.148	1786.853	2.180	3%
mBin.Mar	3341.796	1792.032	1.865	6%
mBin.Apr	3864.967	1789.886	2.159	3%
mBin.May	3783.953	1794.704	2.108	4%
mBin.Jun	3917.042	1791.622	2.186	3%
mBin.Jul	3440.454	1794.211	1.918	6%
mBin.Aug	3880.163	1792.311	2.165	3%
mBin.Sep	3880.956	1792.986	2.165	3%
mBin.Oct	3620.013	1791.604	2.021	5%
mBin.Nov	3845.964	1791.122	2.147	3%
mBin.Dec	3711.880	1789.718	2.074	4%
mBin.AfterMarch2022	3585.881	431.282	8.314	0%
AR(1)	0.442	0.093	4.771	0%
AR(2)	0.530	0.092	5.755	0%

Model Statistics

Iterations	17
Adjusted Observations	146
Deg. of Freedom for Error	131
R-Squared	0.948
Adjusted R-Squared	0.942
AIC	12.401
BIC	12.707
F-Statistic	158.680
Prob (F-Statistic)	0.000
Log-Likelihood	-1097.41
Model Sum of Squares	524758564
Sum of Squared Errors	28881255
Mean Squared Error	220467.60
Std. Error of Regression	469.54
Mean Abs. Dev. (MAD)	302.71
Mean Abs. % Err. (MAPE)	5.59%
Durbin-Watson Statistic	1.898
Durbin-H Statistic	0.000
Ljung-Box Statistic	28.83
Prob (Ljung-Box)	0.227
Skewness	1.001
Kurtosis	9.472
Jarque-Bera	279.188
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	3416.444	0.088	0.056
mBin.Feb	3896.148	0.088	0.063
mBin.Mar	3341.796	0.088	0.054

Variable	Coefficient	Mean	Elast
mBin.Apr	3864.967	0.088	0.063
mBin.May	3783.953	0.081	0.057
mBin.Jun	3917.042	0.081	0.059
mBin.Jul	3440.454	0.081	0.052
mBin.Aug	3880.163	0.081	0.058
mBin.Sep	3880.956	0.081	0.058
mBin.Oct	3620.013	0.081	0.054
mBin.Nov	3845.964	0.081	0.058
mBin.Dec	3711.880	0.081	0.056
mBin.AfterMarch2022	3585.881	0.014	0.009

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	772.261	13.852	55.753	0%
AR(1)	0.986	0.013	77.262	0%
MA(1)	0.237	0.089	2.652	1%

Model Statistics

Iterations	10
Adjusted Observations	123
Deg. of Freedom for Error	120
R-Squared	0.932
Adjusted R-Squared	0.931
AIC	6.941
BIC	7.010
F-Statistic	545.392
Prob (F-Statistic)	0.000
Log-Likelihood	-598.43
Model Sum of Squares	1651928
Sum of Squared Errors	121155
Mean Squared Error	1009.63
Std. Error of Regression	31.77
Mean Abs. Dev. (MAD)	24.50
Mean Abs. % Err. (MAPE)	0.11%
Durbin-Watson Statistic	1.891
Durbin-H Statistic	0.302
Ljung-Box Statistic	27.66
Prob (Ljung-Box)	0.275
Skewness	-0.545
Kurtosis	3.707
Jarque-Bera	8.660
Prob (Jarque-Bera)	0.013

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	772.261	29.042	1.015

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.073	0.001	69.935	0%
AR(1)	0.969	0.022	43.631	0%

Model Statistics

Iterations	9
Adjusted Observations	123
Deg. of Freedom for Error	121
R-Squared	0.959
Adjusted R-Squared	0.959
AIC	3.406
BIC	3.452
F-Statistic	1413.699
Prob (F-Statistic)	0.000
Log-Likelihood	-382.01
Model Sum of Squares	83885
Sum of Squared Errors	3590
Mean Squared Error	29.67
Std. Error of Regression	5.45
Mean Abs. Dev. (MAD)	4.09
Mean Abs. % Err. (MAPE)	0.26%
Durbin-Watson Statistic	1.813
Durbin-H Statistic	0.000
Ljung-Box Statistic	18.19
Prob (Ljung-Box)	0.794
Skewness	0.416
Kurtosis	4.362
Jarque-Bera	13.057
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
ResCusts.Filled	0.073	22095.266	1.015

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Cumb
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:37 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	1.257	0.070	17.889	0%
mPeakVars.CoolingVar	2.053	0.223	9.203	0%
mPeakVars.BaseVar	0.231	0.006	39.187	0%
mBin.Yr2015	6.443	2.360	2.731	1%
mBin.May12	-19.793	7.872	-2.514	1%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	119
R-Squared	0.820
Adjusted R-Squared	0.813
AIC	4.138
BIC	4.252
F-Statistic	108.059
Prob (F-Statistic)	0.000
Log-Likelihood	-427.51
Model Sum of Squares	32557
Sum of Squared Errors	7171
Mean Squared Error	60.26
Std. Error of Regression	7.76
Mean Abs. Dev. (MAD)	5.88
Mean Abs. % Err. (MAPE)	6.55%
Durbin-Watson Statistic	1.811
Durbin-H Statistic	0.000
Ljung-Box Statistic	30.74
Prob (Ljung-Box)	0.161
Skewness	0.187
Kurtosis	3.084
Jarque-Bera	0.759
Prob (Jarque-Bera)	0.684

Forecast Statistics

Forecast Observations	1
Mean Abs. Dev. (MAD)	6.18
Mean Abs. % Err. (MAPE)	8.41%
Avg. Forecast Error	-6.18
Mean % Error	-8.41%
Root Mean-Square Error	6.18
Theil's Inequality Coefficient	0.040
-- Bias Proportion	100.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Variable	Coefficient	Mean	Elast
mPeakVars.HeatingVar	1.257	13.348	0.187
mPeakVars.CoolingVar	2.053	3.143	0.072
mPeakVars.BaseVar	0.231	284.953	0.734
mBin.Yr2015	6.443	0.097	0.007
mBin.May12	-19.793	0.008	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2013:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.163	0.026	44.505	0%
mStructResRev.XCool	1.540	0.065	23.850	0%
mStructResRev.XOther	0.968	0.033	28.927	0%
mBin.Yr2014Plus	-65.238	21.560	-3.026	0%
mBin.Yr2018Plus	-32.169	13.245	-2.429	2%
mBin.Jul15	755.102	66.991	11.272	0%
mBin.Apr16	-484.696	66.403	-7.299	0%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	105
R-Squared	0.964
Adjusted R-Squared	0.962
AIC	8.421
BIC	8.591
F-Statistic	397.598
Prob (F-Statistic)	0.000
Log-Likelihood	-623.48
Model Sum of Squares	11893762
Sum of Squared Errors	448711
Mean Squared Error	4273.44
Std. Error of Regression	65.37
Mean Abs. Dev. (MAD)	47.04
Mean Abs. % Err. (MAPE)	3.96%
Durbin-Watson Statistic	1.626
Durbin-H Statistic	0.000
Ljung-Box Statistic	16.63
Prob (Ljung-Box)	0.864
Skewness	0.620
Kurtosis	4.826
Jarque-Bera	22.738
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	1.163	329.520	0.323
mStructResRev.XCool	1.540	112.266	0.146
mStructResRev.XOther	0.968	722.533	0.590
mBin.Yr2014Plus	-65.238	0.893	-0.049
mBin.Yr2018Plus	-32.169	0.464	-0.013
mBin.Jul15	755.102	0.009	0.006
mBin.Apr16	-484.696	0.009	-0.004

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2013:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	11320.396	733.884	15.425	0%
mStructComRev.XCool	2778.827	207.013	13.423	0%
mStructComRev.XOther	321.166	6.299	50.991	0%
mBin.Yr2013	116.372	75.296	1.546	13%
mBin.Yr2016Plus	-252.916	53.306	-4.745	0%
mBin.Yr2019Plus	-10.328	48.723	-0.212	83%
MA(1)	0.262	0.096	2.736	1%

Model Statistics

Iterations	17
Adjusted Observations	112
Deg. of Freedom for Error	105
R-Squared	0.914
Adjusted R-Squared	0.909
AIC	10.326
BIC	10.496
F-Statistic	159.601
Prob (F-Statistic)	0.000
Log-Likelihood	-730.18
Model Sum of Squares	32096267
Sum of Squared Errors	3016554
Mean Squared Error	28729.09
Std. Error of Regression	169.50
Mean Abs. Dev. (MAD)	129.53
Mean Abs. % Err. (MAPE)	3.18%
Durbin-Watson Statistic	1.716
Durbin-H Statistic	0.000
Ljung-Box Statistic	44.72
Prob (Ljung-Box)	0.006
Skewness	-0.180
Kurtosis	3.488
Jarque-Bera	1.712
Prob (Jarque-Bera)	0.425

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	11320.396	0.039	0.108
mStructComRev.XCool	2778.827	0.135	0.091
mStructComRev.XOther	321.166	10.706	0.840
mBin.Yr2013	116.372	0.107	0.003
mBin.Yr2016Plus	-252.916	0.679	-0.042
mBin.Yr2019Plus	-10.328	0.357	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2013:2
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mEcon.NManEmp	-13.701	7.777	-1.762	8%
mBin.Jan	611.127	71.306	8.570	0%
mBin.Feb	584.964	71.968	8.128	0%
mBin.Mar	615.242	71.676	8.584	0%
mBin.Apr	617.117	71.600	8.619	0%
mBin.May	668.980	71.857	9.310	0%
mBin.Jun	686.638	71.948	9.544	0%
mBin.Jul	717.441	71.648	10.013	0%
mBin.Aug	717.240	71.591	10.019	0%
mBin.Sep	679.272	71.534	9.496	0%
mBin.Oct	634.170	71.477	8.872	0%
mBin.Nov	606.864	71.420	8.497	0%
mBin.Dec	612.895	71.363	8.588	0%
mBin.Feb19Feb20	-14.170	9.661	-1.467	15%
mBin.Jun17	-116.493	33.867	-3.440	0%

Model Statistics

Iterations	1
Adjusted Observations	111
Deg. of Freedom for Error	96
R-Squared	0.693
Adjusted R-Squared	0.648
AIC	7.050
BIC	7.416
F-Statistic	14.449
Prob (F-Statistic)	-0.000
Log-Likelihood	-533.79
Model Sum of Squares	220555
Sum of Squared Errors	97691
Mean Squared Error	1017.62
Std. Error of Regression	31.90
Mean Abs. Dev. (MAD)	23.44
Mean Abs. % Err. (MAPE)	4.56%
Durbin-Watson Statistic	2.260
Durbin-H Statistic	0.000
Ljung-Box Statistic	39.06
Prob (Ljung-Box)	0.027
Skewness	0.239
Kurtosis	2.738
Jarque-Bera	1.376
Prob (Jarque-Bera)	0.503

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
mEcon.NManEmp	-13.701	9.076	-0.240
mBin.Jan	611.127	0.081	0.096
mBin.Feb	584.964	0.090	0.102

Variable	Coefficient	Mean	Elast
mBin.Mar	615.242	0.090	0.107
mBin.Apr	617.117	0.090	0.107
mBin.May	668.980	0.081	0.105
mBin.Jun	686.638	0.081	0.108
mBin.Jul	717.441	0.081	0.112
mBin.Aug	717.240	0.081	0.112
mBin.Sep	679.272	0.081	0.106
mBin.Oct	634.170	0.081	0.099
mBin.Nov	606.864	0.081	0.095
mBin.Dec	612.895	0.081	0.096
mBin.Feb19Feb20	-14.170	0.117	-0.003
mBin.Jun17	-116.493	0.009	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	3811.392	321.834	11.843	0%
Econ.HH	548.080	21.845	25.090	0%

Model Statistics

Iterations	1
Adjusted Observations	124
Deg. of Freedom for Error	122
R-Squared	0.838
Adjusted R-Squared	0.836
AIC	8.115
BIC	8.160
F-Statistic	629.507
Prob (F-Statistic)	0.000
Log-Likelihood	-677.08
Model Sum of Squares	2071761
Sum of Squared Errors	401512
Mean Squared Error	3291.08
Std. Error of Regression	57.37
Mean Abs. Dev. (MAD)	42.38
Mean Abs. % Err. (MAPE)	0.36%
Durbin-Watson Statistic	0.629
Durbin-H Statistic	0.371
Ljung-Box Statistic	439.17
Prob (Ljung-Box)	0.000
Skewness	0.237
Kurtosis	4.388
Jarque-Bera	11.106
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
Econ.HH	548.080	14.731	0.679

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ResCusts.Filled	0.091	0.000	286.067	0%
AR(1)	0.851	0.049	17.282	0%

Model Statistics

Iterations	6
Adjusted Observations	123
Deg. of Freedom for Error	121
R-Squared	0.905
Adjusted R-Squared	0.905
AIC	3.655
BIC	3.701
F-Statistic	579.607
Prob (F-Statistic)	0.000
Log-Likelihood	-397.32
Model Sum of Squares	44114
Sum of Squared Errors	4605
Mean Squared Error	38.06
Std. Error of Regression	6.17
Mean Abs. Dev. (MAD)	4.86
Mean Abs. % Err. (MAPE)	0.45%
Durbin-Watson Statistic	2.428
Durbin-H Statistic	0.000
Ljung-Box Statistic	34.11
Prob (Ljung-Box)	0.083
Skewness	0.240
Kurtosis	3.116
Jarque-Bera	1.246
Prob (Jarque-Bera)	0.536

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	0.091	11885.169	0.999

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BigSa
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:34 AM
Estimation Begin Date: 2011:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	0.587	0.036	16.162	0%
mPeakVars.CoolingVar	0.867	0.104	8.360	0%
mPeakVars.BaseVar	0.269	0.007	41.017	0%
mBin.Yr2016Plus	-2.735	0.619	-4.415	0%
mBin.Yr2019	0.325	0.943	0.345	73%
mBin.Mar	7.711	1.053	7.320	0%
mBin.May	-3.789	1.096	-3.457	0%
mBin.Oct	-5.658	1.104	-5.125	0%
mBin.Jan14	12.039	3.106	3.876	0%
mBin.Dec14	-8.923	3.011	-2.963	0%
mBin.Feb15	17.911	3.110	5.760	0%
mBin.Mar16	-11.980	3.108	-3.855	0%

Model Statistics

Iterations	1
Adjusted Observations	112
Deg. of Freedom for Error	100
R-Squared	0.933
Adjusted R-Squared	0.926
AIC	2.256
BIC	2.547
F-Statistic	115.885
Prob (F-Statistic)	0.000
Log-Likelihood	-273.24
Model Sum of Squares	11994
Sum of Squared Errors	863
Mean Squared Error	8.63
Std. Error of Regression	2.94
Mean Abs. Dev. (MAD)	2.08
Mean Abs. % Err. (MAPE)	4.35%
Durbin-Watson Statistic	1.779
Durbin-H Statistic	0.000
Ljung-Box Statistic	22.17
Prob (Ljung-Box)	0.569
Skewness	0.101
Kurtosis	4.007
Jarque-Bera	4.922
Prob (Jarque-Bera)	0.085

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	0.587	12.987	0.160
mPeakVars.CoolingVar	0.867	3.297	0.060
mPeakVars.BaseVar	0.269	145.148	0.818
mBin.Yr2016Plus	-2.735	0.679	-0.039
mBin.Yr2019	0.325	0.107	0.001
mBin.Mar	7.711	0.089	0.014

Variable	Coefficient	Mean	Elast
mBin.May	-3.789	0.080	-0.006
mBin.Oct	-5.658	0.080	-0.010
mBin.Jan14	12.039	0.009	0.002
mBin.Dec14	-8.923	0.009	-0.002
mBin.Feb15	17.911	0.009	0.003
mBin.Mar16	-11.980	0.009	-0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Grays
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	13696.025	4124.773	3.320	0%
Econ.HH	16.964	177.382	0.096	92%
mBin.TrendVar	5.591	8.636	0.647	52%
mBin.Year2019	-39.590	36.701	-1.079	28%
mBin.Year2021After	40.361	46.009	0.877	38%
AR(1)	0.689	0.069	10.048	0%

Model Statistics

Iterations	21
Adjusted Observations	123
Deg. of Freedom for Error	117
R-Squared	0.578
Adjusted R-Squared	0.560
AIC	7.972
BIC	8.110
F-Statistic	32.098
Prob (F-Statistic)	0.000
Log-Likelihood	-658.84
Model Sum of Squares	443802
Sum of Squared Errors	323538
Mean Squared Error	2765.28
Std. Error of Regression	52.59
Mean Abs. Dev. (MAD)	39.15
Mean Abs. % Err. (MAPE)	0.28%
Durbin-Watson Statistic	2.168
Durbin-H Statistic	-1.091
Ljung-Box Statistic	23.43
Prob (Ljung-Box)	0.494
Skewness	-0.279
Kurtosis	3.480
Jarque-Bera	2.777
Prob (Jarque-Bera)	0.249

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	16.964	22.676	0.027
mBin.TrendVar	5.591	17.208	0.007
mBin.Year2019	-39.590	0.097	-0.000
mBin.Year2021After	40.361	0.129	0.000

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Grays
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
CONST	622.660	200.511	3.105	0%
ResCusts.Filled	0.041	0.014	2.876	0%
AR(1)	0.877	0.047	18.762	0%

Model Statistics

Iterations	13
Adjusted Observations	123
Deg. of Freedom for Error	120
R-Squared	0.693
Adjusted R-Squared	0.688
AIC	4.231
BIC	4.300
F-Statistic	135.509
Prob (F-Statistic)	-0.000
Log-Likelihood	-431.76
Model Sum of Squares	18205
Sum of Squared Errors	8061
Mean Squared Error	67.17
Std. Error of Regression	8.20
Mean Abs. Dev. (MAD)	5.58
Mean Abs. % Err. (MAPE)	0.47%
Durbin-Watson Statistic	2.618
Durbin-H Statistic	0.000
Ljung-Box Statistic	35.53
Prob (Ljung-Box)	0.061
Skewness	-0.216
Kurtosis	6.391
Jarque-Bera	59.899
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	0.041	14178.129	0.480

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\Grays
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2012:1
Estimation End Date: 2022:5
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	0.582	0.040	14.582	0%
mPeakVars.CoolingVar	1.487	0.110	13.497	0%
mPeakVars.BaseVar	0.208	0.007	31.630	0%
mBin.Yr11to15	2.496	0.685	3.645	0%
mBin.Mar	4.870	1.207	4.035	0%
mBin.Oct	-3.291	1.301	-2.529	1%

Model Statistics

Iterations	1
Adjusted Observations	125
Deg. of Freedom for Error	119
R-Squared	0.819
Adjusted R-Squared	0.812
AIC	2.681
BIC	2.816
F-Statistic	89.921
Prob (F-Statistic)	0.000
Log-Likelihood	-338.90
Model Sum of Squares	7514
Sum of Squared Errors	1657
Mean Squared Error	13.93
Std. Error of Regression	3.73
Mean Abs. Dev. (MAD)	2.76
Mean Abs. % Err. (MAPE)	5.47%
Durbin-Watson Statistic	1.734
Durbin-H Statistic	0.000
Ljung-Box Statistic	28.24
Prob (Ljung-Box)	0.250
Skewness	0.646
Kurtosis	4.513
Jarque-Bera	20.603
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	0.582	14.307	0.167
mPeakVars.CoolingVar	1.487	3.876	0.116
mPeakVars.BaseVar	0.208	166.279	0.694
mBin.Yr11to15	2.496	0.384	0.019
mBin.Mar	4.870	0.088	0.009
mBin.Oct	-3.291	0.080	-0.005

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\G
Exponential Smoothing Model: SLCusts
Dependent Variable: mSales.SLCusts
Date: August 20, 2025
Time: 10:39 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.500

Model Statistics

Iterations	0
Adjusted Observations	148
Deg. of Freedom for Error	147
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\2022\Fcst2022\Projects\BlueG
Model: ResAvgUse
Dependent Variable: mSales.ResAvgUse
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructResRev.XHeat	1.168	0.032	36.413	0%
mStructResRev.XCool	1.030	0.040	25.711	0%
mStructResRev.XOther	0.944	0.035	26.900	0%
mBin.Yr2015Plus	-78.579	16.288	-4.824	0%
mBin.Jan16	-333.455	95.023	-3.509	0%
mBin.Apr18	471.579	94.181	5.007	0%
mBin.Dec10	-408.419	95.622	-4.271	0%
mBin.Sep11	290.392	94.498	3.073	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	140
R-Squared	0.919
Adjusted R-Squared	0.915
AIC	9.126
BIC	9.288
F-Statistic	199.389
Prob (F-Statistic)	0.000
Log-Likelihood	-877.32
Model Sum of Squares	13908776
Sum of Squared Errors	1220747
Mean Squared Error	8719.62
Std. Error of Regression	93.38
Mean Abs. Dev. (MAD)	65.85
Mean Abs. % Err. (MAPE)	5.32%
Durbin-Watson Statistic	1.701
Durbin-H Statistic	0.000
Ljung-Box Statistic	67.69
Prob (Ljung-Box)	0.000
Skewness	0.657
Kurtosis	5.140
Jarque-Bera	38.884
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	1.168	367.612	0.343
mStructResRev.XCool	1.030	227.126	0.187
mStructResRev.XOther	0.944	670.593	0.507
mBin.Yr2015Plus	-78.579	0.595	-0.037
mBin.Jan16	-333.455	0.007	-0.002
mBin.Apr18	471.579	0.007	0.003
mBin.Dec10	-408.419	0.007	-0.002
mBin.Sep11	290.392	0.007	0.002

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: ComSales
Dependent Variable: mSales.ComSales
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mStructComRev.XHeat	26723.183	2286.800	11.686	0%
mStructComRev.XCool	9335.061	593.759	15.722	0%
mStructComRev.XOther	964.011	16.062	60.018	0%
mBin.MartoJun2020	-1532.340	349.433	-4.385	0%
mBin.Dec10	-2120.809	698.790	-3.035	0%
mBin.Bef13	-556.310	131.561	-4.229	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	142
R-Squared	0.714
Adjusted R-Squared	0.704
AIC	13.084
BIC	13.206
F-Statistic	59.021
Prob (F-Statistic)	0.000
Log-Likelihood	-1172.23
Model Sum of Squares	163798501
Sum of Squared Errors	65681076
Mean Squared Error	462542.79
Std. Error of Regression	680.10
Mean Abs. Dev. (MAD)	532.46
Mean Abs. % Err. (MAPE)	3.98%
Durbin-Watson Statistic	1.713
Durbin-H Statistic	0.000
Ljung-Box Statistic	104.09
Prob (Ljung-Box)	0.000
Skewness	0.262
Kurtosis	2.874
Jarque-Bera	1.788
Prob (Jarque-Bera)	0.409

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	26723.183	0.041	0.082
mStructComRev.XCool	9335.061	0.149	0.104
mStructComRev.XOther	964.011	11.538	0.828
mBin.MartoJun2020	-1532.340	0.027	-0.003
mBin.Dec10	-2120.809	0.007	-0.001
mBin.Bef13	-556.310	0.243	-0.010

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: IndSales
Dependent Variable: mSales.IndSales
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
ComSales.Filled	1.149	0.223	5.148	0%
mBin.Jan	11259.875	3346.851	3.364	0%
mBin.Feb	11020.111	3107.760	3.546	0%
mBin.Mar	12717.439	3056.575	4.161	0%
mBin.Apr	13377.945	2845.108	4.702	0%
mBin.May	13542.709	3038.254	4.457	0%
mBin.Jun	13104.051	3203.771	4.090	0%
mBin.Jul	12203.197	3473.216	3.514	0%
mBin.Aug	12666.005	3559.093	3.559	0%
mBin.Sep	12784.542	3282.737	3.894	0%
mBin.Oct	13353.436	3015.401	4.428	0%
mBin.Nov	12554.365	2923.672	4.294	0%
mBin.Dec	11520.279	3079.452	3.741	0%
mBin.Yr2013	-813.367	629.626	-1.292	20%
mBin.Bef13	-5622.446	485.439	-11.582	0%
mBin.Yr2018Plus	-1809.645	397.233	-4.556	0%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	132
R-Squared	0.726
Adjusted R-Squared	0.695
AIC	15.217
BIC	15.541
F-Statistic	21.887
Prob (F-Statistic)	0.000
Log-Likelihood	-1320.05
Model Sum of Squares	1284345656
Sum of Squared Errors	484116938
Mean Squared Error	3667552.56
Std. Error of Regression	1915.09
Mean Abs. Dev. (MAD)	1395.28
Mean Abs. % Err. (MAPE)	5.55%
Durbin-Watson Statistic	0.748
Durbin-H Statistic	0.000
Ljung-Box Statistic	340.33
Prob (Ljung-Box)	0.000
Skewness	-0.420
Kurtosis	3.706
Jarque-Bera	7.423
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
ComSales.Filled	1.149	13431.349	0.597
mBin.Jan	11259.875	0.088	0.038

Variable	Coefficient	Mean	Elast
mBin.Feb	11020.111	0.088	0.037
mBin.Mar	12717.439	0.088	0.043
mBin.Apr	13377.945	0.088	0.045
mBin.May	13542.709	0.081	0.042
mBin.Jun	13104.051	0.081	0.041
mBin.Jul	12203.197	0.081	0.038
mBin.Aug	12666.005	0.081	0.040
mBin.Sep	12784.542	0.081	0.040
mBin.Oct	13353.436	0.081	0.042
mBin.Nov	12554.365	0.081	0.039
mBin.Dec	11520.279	0.081	0.036
mBin.Yr2013	-813.367	0.081	-0.003
mBin.Bef13	-5622.446	0.243	-0.053
mBin.Yr2018Plus	-1809.645	0.351	-0.025

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: SLSales
Dependent Variable: mSales.SLSales
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2020:7
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.AftSep17	-37.936	1.630	-23.279	0%
mBin.Apr11	-16.523	1.147	-14.405	0%
AR(1)	1.001	0.001	698.387	0%

Model Statistics

Iterations	6
Adjusted Observations	126
Deg. of Freedom for Error	123
R-Squared	0.982
Adjusted R-Squared	0.982
AIC	1.000
BIC	1.068
F-Statistic	2234.791
Prob (F-Statistic)	0.000
Log-Likelihood	-238.80
Model Sum of Squares	17805
Sum of Squared Errors	327
Mean Squared Error	2.66
Std. Error of Regression	1.63
Mean Abs. Dev. (MAD)	0.70
Mean Abs. % Err. (MAPE)	0.77%
Durbin-Watson Statistic	2.760
Durbin-H Statistic	0.000
Ljung-Box Statistic	32.75
Prob (Ljung-Box)	0.110
Skewness	0.221
Kurtosis	17.498
Jarque-Bera	1104.540
Prob (Jarque-Bera)	0.000

Forecast Statistics

Forecast Observations	21
Mean Abs. Dev. (MAD)	0.28
Mean Abs. % Err. (MAPE)	0.38%
Avg. Forecast Error	-0.09
Mean % Error	-0.12%
Root Mean-Square Error	0.45
Theil's Inequality Coefficient	0.003
-- Bias Proportion	4.12%
-- Variance Proportion	0.58%
-- Covariance Proportion	95.30%

Variable	Coefficient	Mean	Elast
mBin.AftSep17	-37.936	0.276	-0.115
mBin.Apr11	-16.523	0.008	-0.001

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: ResCusts
Dependent Variable: mSales.ResCusts
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
Econ.HH	587.525	1.611	364.634	0%
AR(1)	0.957	0.023	41.767	0%
MA(1)	-0.405	0.083	-4.902	0%

Model Statistics

Iterations	11
Adjusted Observations	147
Deg. of Freedom for Error	144
R-Squared	0.995
Adjusted R-Squared	0.995
AIC	9.762
BIC	9.823
F-Statistic	10090.766
Prob (F-Statistic)	0.000
Log-Likelihood	-923.12
Model Sum of Squares	515233463
Sum of Squared Errors	2450875
Mean Squared Error	17019.97
Std. Error of Regression	130.46
Mean Abs. Dev. (MAD)	103.15
Mean Abs. % Err. (MAPE)	0.19%
Durbin-Watson Statistic	2.181
Durbin-H Statistic	-0.310
Ljung-Box Statistic	56.45
Prob (Ljung-Box)	0.000
Skewness	0.231
Kurtosis	3.095
Jarque-Bera	1.360
Prob (Jarque-Bera)	0.507

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	587.525	92.770	0.999

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: ComCusts
Dependent Variable: mSales.ComCusts
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mBin.Mar19	-3.737	3.474	-1.076	28%
ResCusts.Filled	0.027	0.008	3.403	0%
Econ.EmpMan	-76.931	34.201	-2.249	3%
Econ.EmpNonMan	30.937	9.074	3.410	0%
AR(1)	0.928	0.037	25.349	0%

Model Statistics

Iterations	13
Adjusted Observations	147
Deg. of Freedom for Error	142
R-Squared	0.987
Adjusted R-Squared	0.987
AIC	5.617
BIC	5.718
F-Statistic	2182.464
Prob (F-Statistic)	0.000
Log-Likelihood	-616.41
Model Sum of Squares	2901947
Sum of Squared Errors	37763
Mean Squared Error	265.93
Std. Error of Regression	16.31
Mean Abs. Dev. (MAD)	11.46
Mean Abs. % Err. (MAPE)	0.41%
Durbin-Watson Statistic	2.672
Durbin-H Statistic	0.000
Ljung-Box Statistic	40.61
Prob (Ljung-Box)	0.018
Skewness	0.543
Kurtosis	9.959
Jarque-Bera	303.844
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.Mar19	-3.737	0.081	-0.000
ResCusts.Filled	0.027	54567.534	0.528
Econ.EmpMan	-76.931	13.673	-0.379
Econ.EmpNonMan	30.937	76.368	0.852

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\BlueG
Model: Peaks
Dependent Variable: mLoad.Peak
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient	StdErr	T-Stat	P-Value
mPeakVars.HeatingVar	3.437	0.138	24.812	0%
mPeakVars.CoolingVar	6.452	0.407	15.844	0%
mPeakVars.BaseVar	0.195	0.005	38.255	0%
mBin.Yr2010	13.384	4.793	2.792	1%
mBin.Mar15Plus	-13.107	3.246	-4.039	0%
mBin.Mar	15.529	4.529	3.429	0%
mBin.Oct	-19.227	5.075	-3.788	0%
mBin.Oct21	42.589	16.027	2.657	1%
mBin.Yr2019Plus	8.540	3.299	2.588	1%

Model Statistics

Iterations	1
Adjusted Observations	148
Deg. of Freedom for Error	139
R-Squared	0.899
Adjusted R-Squared	0.893
AIC	5.488
BIC	5.670
F-Statistic	137.356
Prob (F-Statistic)	0.000
Log-Likelihood	-607.08
Model Sum of Squares	281655
Sum of Squared Errors	31669
Mean Squared Error	227.84
Std. Error of Regression	15.09
Mean Abs. Dev. (MAD)	11.85
Mean Abs. % Err. (MAPE)	4.71%
Durbin-Watson Statistic	1.275
Durbin-H Statistic	0.000
Ljung-Box Statistic	43.73
Prob (Ljung-Box)	0.008
Skewness	0.315
Kurtosis	3.091
Jarque-Bera	2.497
Prob (Jarque-Bera)	0.287

Forecast Statistics

Forecast Observations	1
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	100.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Variable	Coefficient	Mean	Elast
mPeakVars.HeatingVar	3.437	14.621	0.201
mPeakVars.CoolingVar	6.452	4.243	0.110
mPeakVars.BaseVar	0.195	901.518	0.705
mBin.Yr2010	13.384	0.081	0.004
mBin.Mar15Plus	-13.107	0.581	-0.031
mBin.Mar	15.529	0.088	0.005
mBin.Oct	-19.227	0.081	-0.006
mBin.Oct21	42.589	0.007	0.001
mBin.Yr2019Plus	8.540	0.270	0.009

Project: H:\Power Supply Analytics\Load Forecasting\Long-Term\2022\Fcst2022\Projects\B
Exponential Smoothing Model: SLCusts
Dependent Variable: Customers.SL
Date: August 20, 2025
Time: 10:36 AM
Estimation Begin Date: 2010:1
Estimation End Date: 2022:4
Forecast Period End Date: 2042:12

Variable	Coefficient
Simple	0.893

Model Statistics

Iterations	7
Adjusted Observations	148
Deg. of Freedom for Error	147
R-Squared	0.943
Adjusted R-Squared	0.943
AIC	2.023
BIC	2.043
F-Statistic	2446.164
Prob (F-Statistic)	0.000
Log-Likelihood	-358.71
Model Sum of Squares	18374
Sum of Squared Errors	1104
Mean Squared Error	7.51
Std. Error of Regression	2.74
Mean Abs. Dev. (MAD)	0.83
Mean Abs. % Err. (MAPE)	2.87%
Durbin-Watson Statistic	1.993
Durbin-H Statistic	0.000
Ljung-Box Statistic	2.99
Prob (Ljung-Box)	1.000
Skewness	-5.628
Kurtosis	51.556
Jarque-Bera	15320.3
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%