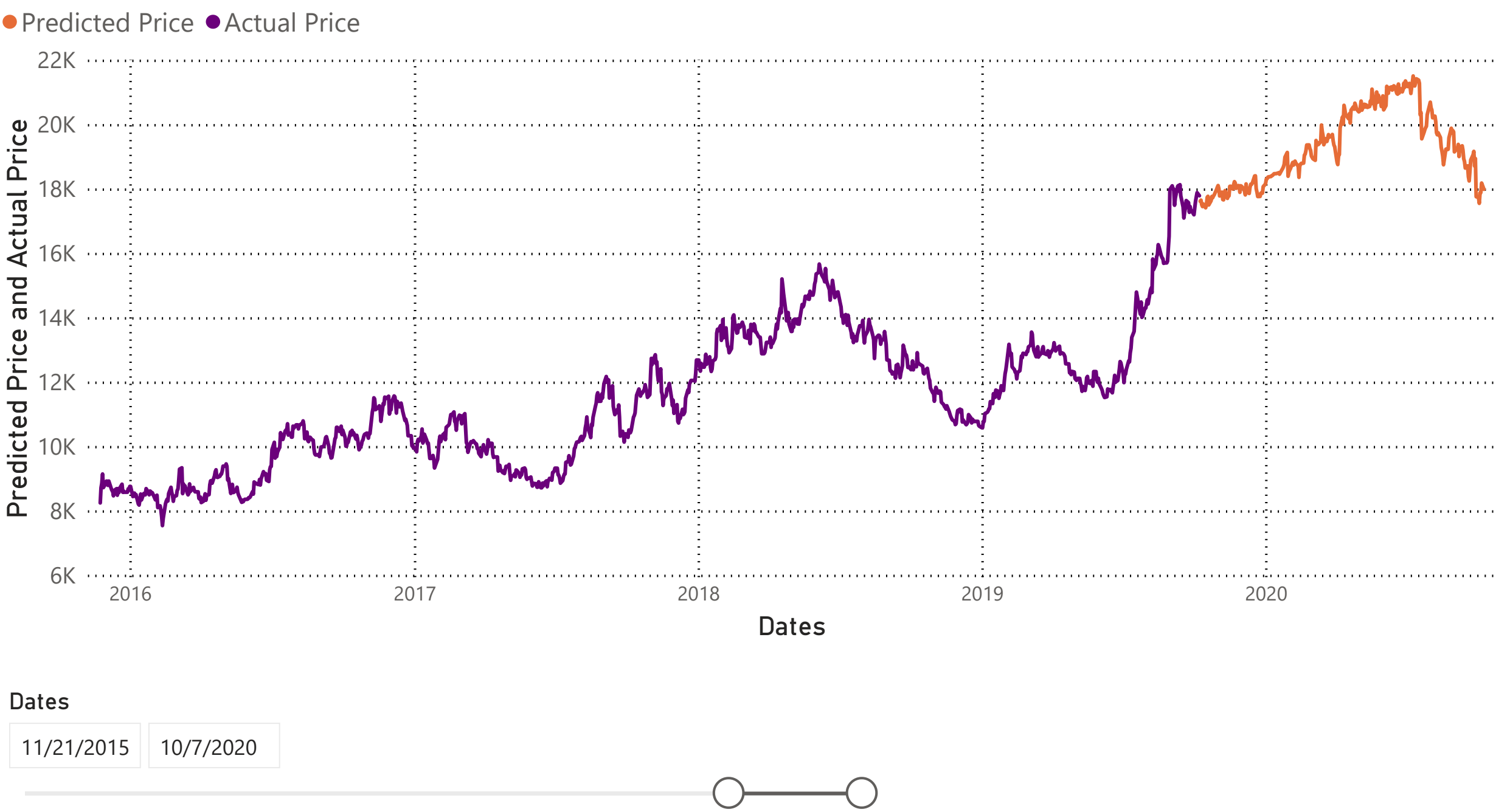


Nickel Price Forecasting

Regression Analysis and Time Series Forecasting

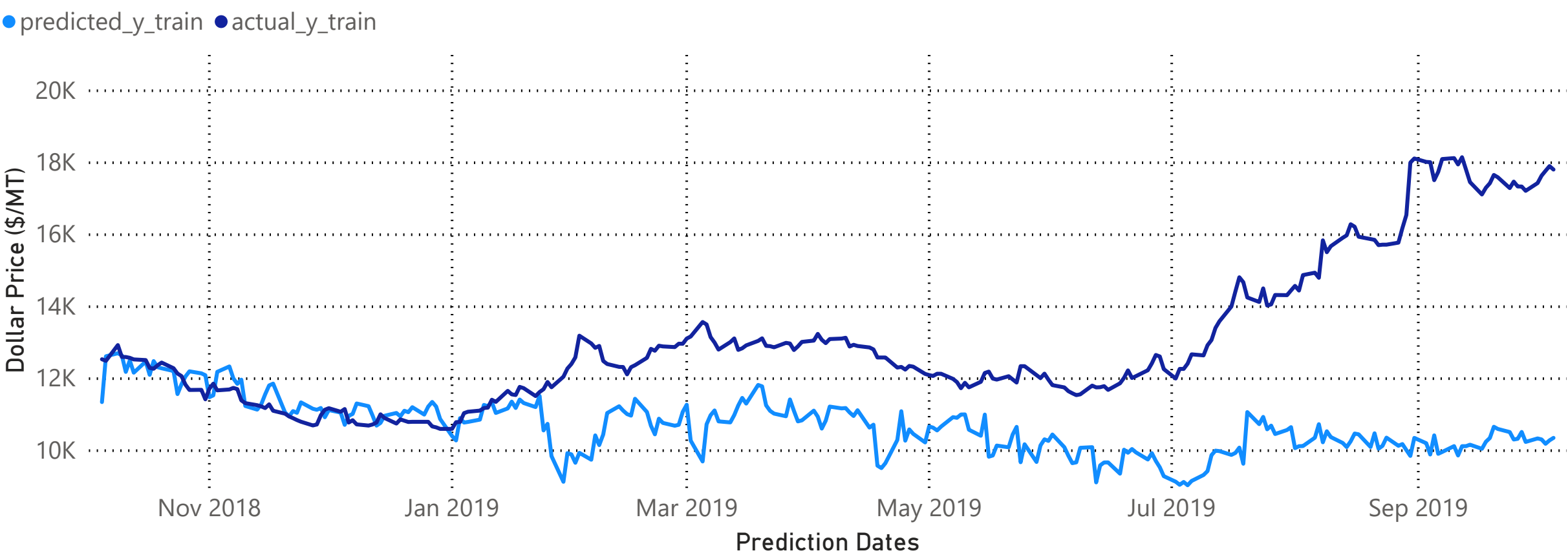
Nickel Predictions Results



Performance Analysis Using Backtesting

Backtesting means recursively testing how well the model makes predictions using older data where the "future prices" are already known.

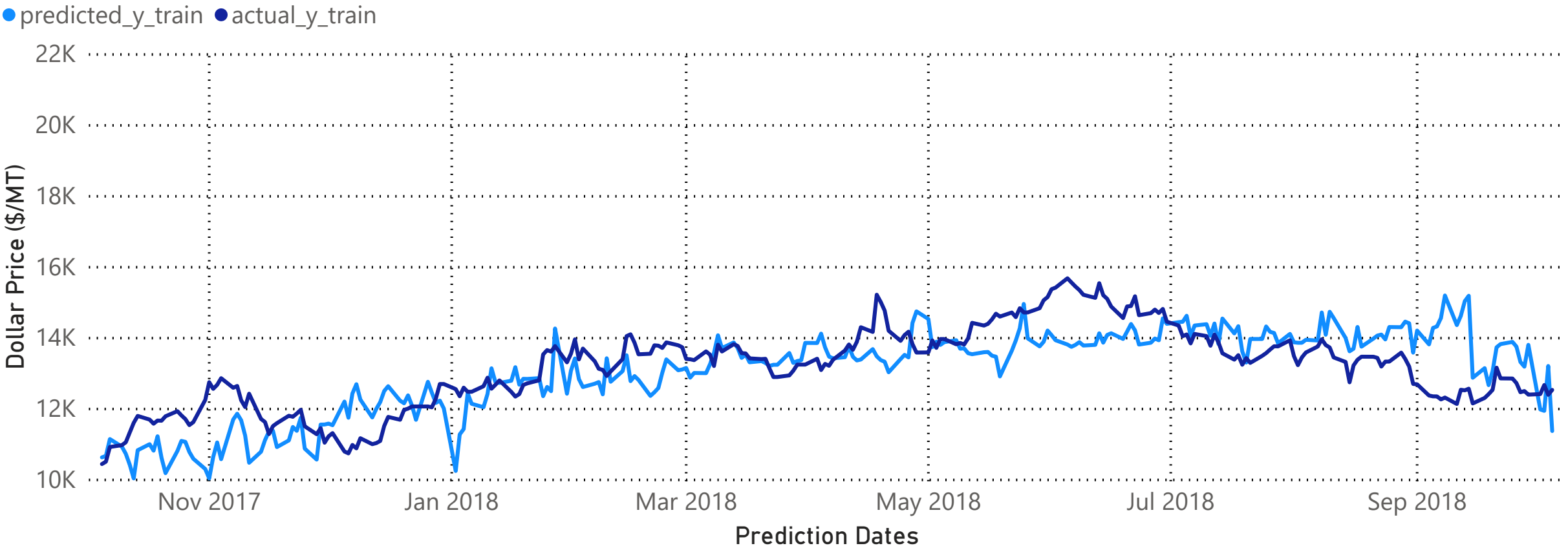
Performance Results (2018-2019)



Mean Absolute Error (MAE)

2,443

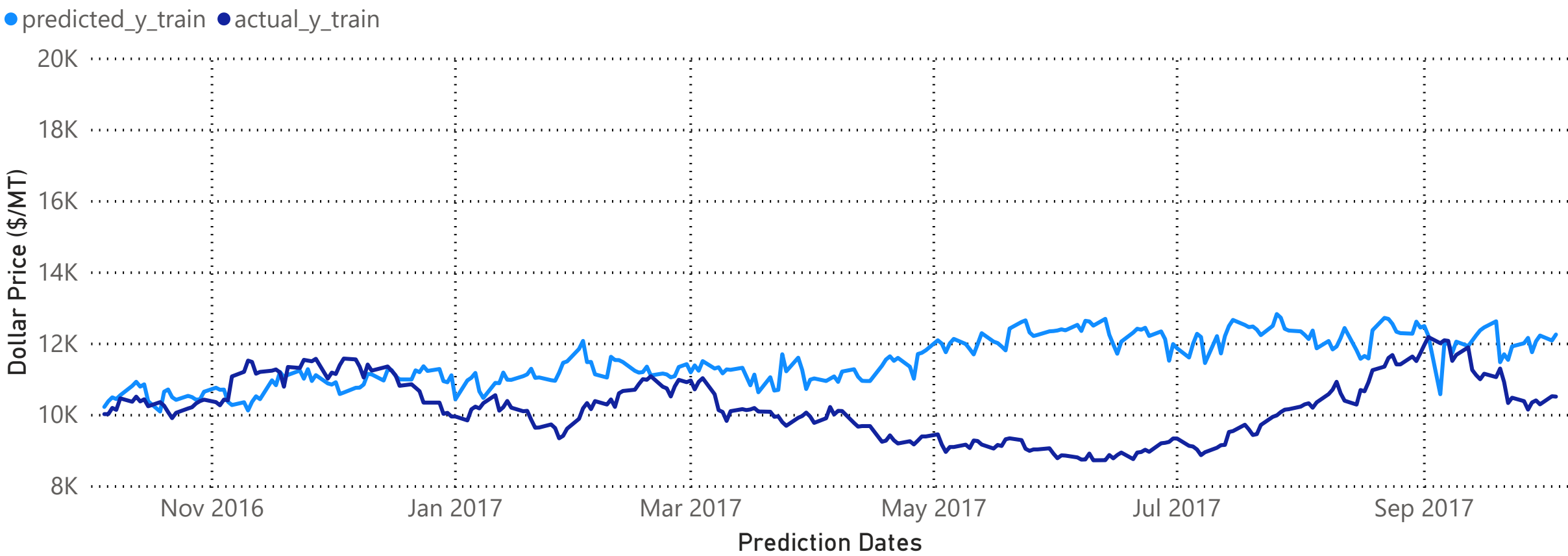
Performance Results (2017-2018)



Mean Absolute Error (MAE)

745

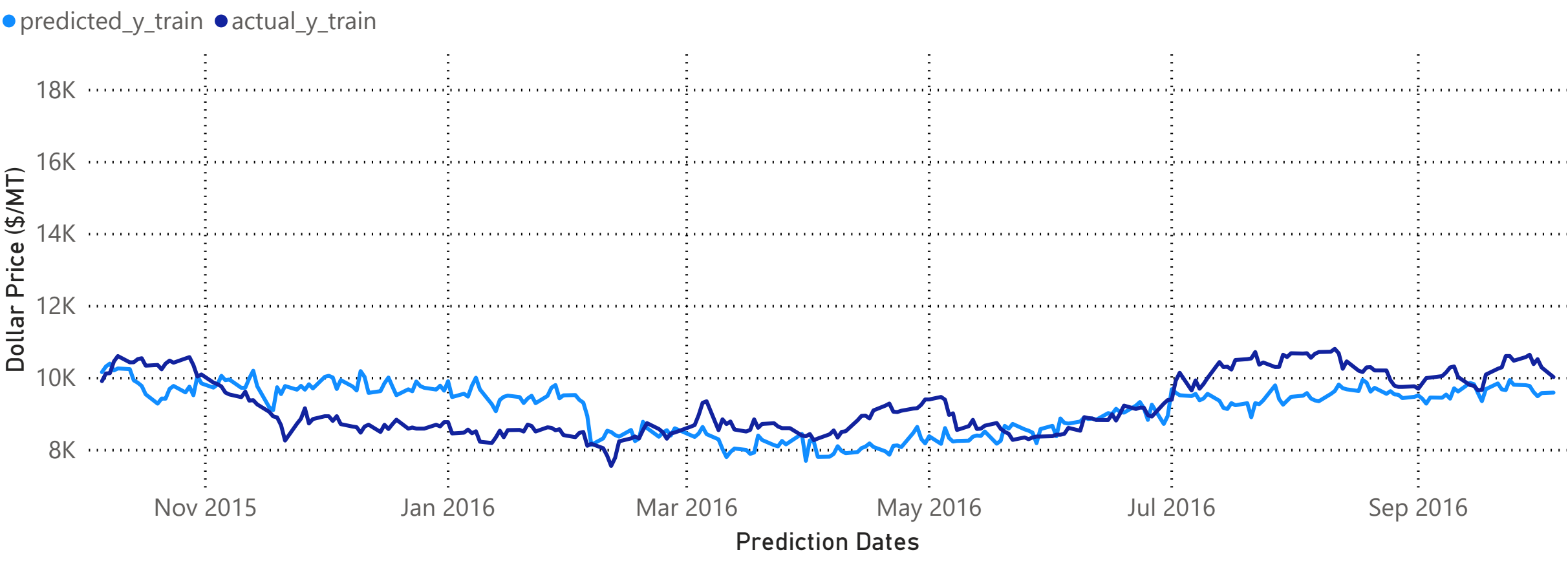
Performance Results (2016-2017)



Mean Absolute Error (MAE)

1,434

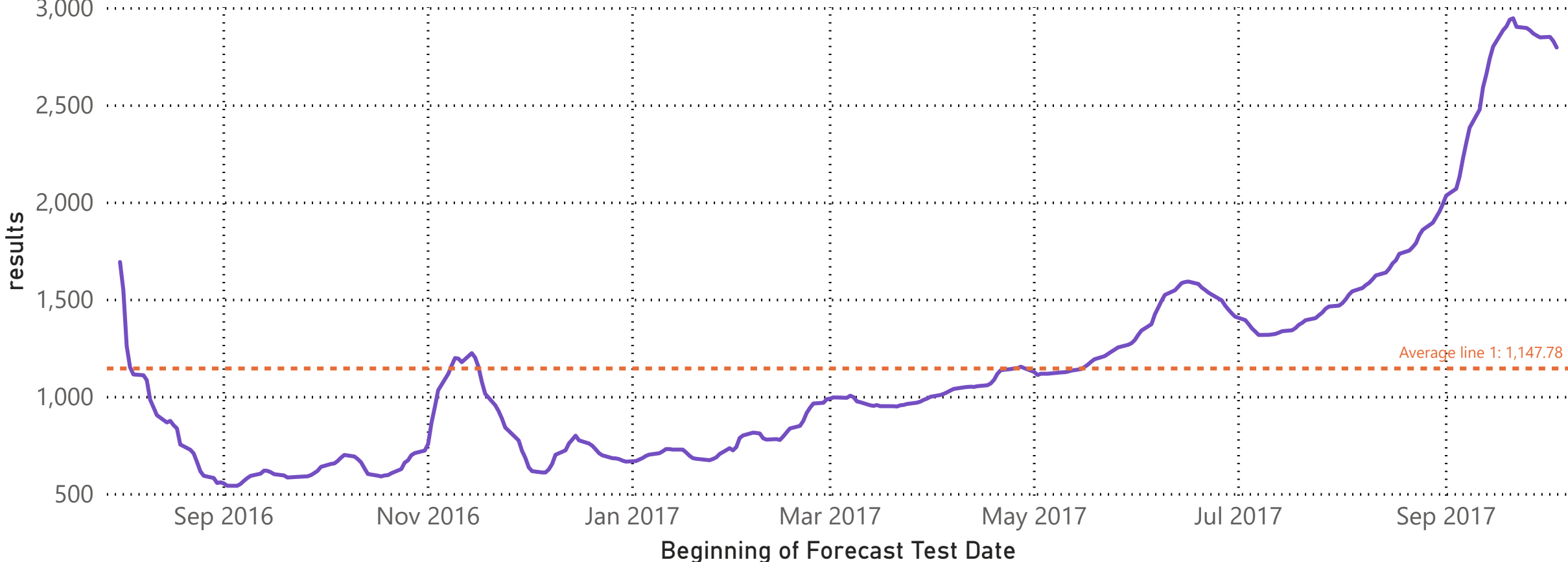
Performance Results (2015-2016)



Mean Absolute Error (MAE)

\$647

Performance Results (Mean Absolute Error)



Start Date Test Period

7/30/2016 3/29/2018

Cash Price (\$/MT) by index



13.42K

Average of Cash Price (\$/MT)

Cash Price (\$/MT) by index

