

MaineDOT AASHTOWare *ESTIMATION*

Creating an Item Unit Cost by using
Item Bid History

MaineDOT AASHTOWare *ESTIMATION*

Creating an item unit cost outside of a **Concept/Cost Estimate**.

Navigate to the **Home** page of *Estimation*. Click on Item Bid History.

Home Previous My Pages Actions Help Log off

On this page: Reference Data Estimation Preconstruction

PROJECT MAINEDOT ESTIMATION

- Estimation
 - Bid History Profiles
 - Concepts
 - Contingency Assignment Profiles
 - Cost Estimates
 - Item Bid History
 - Life Cycle Maintenance Schedule Profiles
 - Planning Groups
 - Review Reference Profile Recommendations
 - Roadway Cost Sets
 - Snapshots
 - Typical Section Profiles
- Preconstruction
 - Projects
- Reference Data
 - Budget Class Mapping
 - Code Tables
 - Cost Index Sets
 - Cost Sheets
 - Counties
 - Crews
 - Custom Entities
 - Districts
 - Equipment
 - Estimation Reference Data
 - Formulas
 - Funds
 - Issues
 - Item Bulk Editor

MaineDOT AASHTOWare *ESTIMATION*

The *Item Bid History Summary* page will open. Click the *blue* action arrow on the right of the *Spec Book* field. Click on *90*.

The screenshot displays the 'Item Bid History Summary' interface. At the top, there is a blue header bar with a 'Calculate Price' button and a help icon. Below this, a 'Criteria' section contains a 'Spec Book' dropdown menu. The dropdown is open, showing a list of items: 01, 09, 13, 14, 19, 20, 77, 85, 88, and 90. A red arrow points to the number 90. Below the list is a 'Letting Date' field with a date format 'mm/dd/yyyy' and a calendar icon. To the right of the 'Spec Book' dropdown are several search fields: 'County' (with a search icon and placeholder text 'Begin typing to search or press Enter'), 'Highway Type', 'Improvement Type', 'Terrain', 'Urban/Rural', and 'Work Type', each with a dropdown arrow. Below these are fields for 'Last Updated Date' and 'Last Updated By'. At the bottom, there is a 'Results' section with a 'Price' field and a 'Regression' button. The 'Cost Indexed' and 'Comment' fields are also visible.

MaineDOT AASHTOWare *ESTIMATION*

In the **Item** field type in the item a drop down will appear pick the required item.

Item Bid History Summary

Item Bid History Calculate Price ?

Criteria

Spec Book *
90

Item *
462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity *

Bid History Profile *
Begin typing to search or press Enter

Letting Date
mm/dd/yyyy

County
Begin typing to search or press Enter

Highway Type

Improvement Type

Terrain

Urban/Rural

Work Type

Last Updated Date


Last Updated By

Results

Price
Regression

Cost Indexed

Comment



MaineDOT AASHTOWare *ESTIMATION*

In the *Quantity* field type in the amount of the quantity required.

Item Bid History Summary

Item Bid History Calculate Price ?

Criteria

Spec Book *
90

Item *
462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity *
76,780.000

Bid History Profile *
Begin typing to search or press Enter

Letting Date
mm/dd/yyyy

County
Begin typing to search or press Enter

Highway Type

Improvement Type

Terrain

Urban/Rural

Work Type

Last Updated Date

Last Updated By

Results

Price

Cost Indexed

Comment

Regression

↑

MaineDOT AASHTOWare *ESTIMATION*

In the **Bid History Profile** field begin typing desired profile (suggest to begin with the system default the **3 Year Statewide** profile).

Item Bid History Summary

Item Bid History Calculate Price ?


Criteria

Spec Book *
90

Item *
Q 462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity *
76,780.000

Bid History Profile *
Q 3 Year
3 Year History Statewide 

Letting Date
mm/dd/yyyy

County
Q Begin typing to search or press Enter

Highway Type

Improvement Type

Terrain

Urban/Rural

Work Type

Last Updated Date

Last Updated By


Results

Price

Regression

Cost Indexed

Comment



MaineDOT AASHTOWare *ESTIMATION*

In the **County** field begin typing desired county and click on the county.

Item Bid History Summary

Item Bid History Calculate Price ?

Criteria

Spec Book *
90

Item *
462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity *
76,780.000

Bid History Profile *
3 Year
3 Year History Statewide

Letting Date
mm/dd/yyyy

County
C011|
KENNEBEC

Highway Type

Improvement Type

Terrain

Urban/Rural

Work Type

Last Updated Date

Last Updated By


Results

Price

Regression

Cost Indexed

Comment



MaineDOT AASHTOWare *ESTIMATION*

Click on [Calculate Price](#) in the upper right to begin the pricing process.

Item Bid History Summary

Item Bid History Calculate Price ?

Criteria

Spec Book*
90

Item*
462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity*
76,780.000

Bid History Profile*
3 Year
3 Year History Statewide

Letting Date
mm/dd/yyyy

County
C011
KENNEBEC

Highway Type

Improvement Type

Terrain

Urban/Rural

Work Type

Last Updated Date


Last Updated By

Results

Price
Regression

Cost Indexed

Comment



MaineDOT AASHTOWare *ESTIMATION*

Once the process has run and the calculation is completed the unit **Price** will be shown in the Results section. There were enough data points for a **Regression** to run.

Bid History Summary Calculation completed ×

Item Bid History Calculate Price ?

Criteria

Spec Book *
90

Item *
462.301
POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90

Unit of Measure
SY - SQUARE YARD

Quantity *
76780

Bid History Profile *
3 Year
3 Year History Statewide

Letting Date
mm/dd/yyyy

County
C011
KENNEBEC

Highway Type

Improvement Type

Terrain

Urban/Rural



Work Type

Last Updated Date

Last Updated By

Results

Price	8.64	Regression	Yes
Cost Indexed	No		
Comment	Date to price is blank; using date of 02/16/2026. Regression price based on quantity and date.		



MaineDOT AASHTOWare ESTIMATION

To analyze the price further click on the Action arrow to the right of the Calculate Price button. The Action drop down will open. Under Tasks click on the Price vs. Quantity.

The screenshot displays the 'Bid History Summary' page in the AASHTOWare ESTIMATION software. The page is titled 'Bid History Summary' and includes a green notification bar at the top stating 'Calculation completed'. The main content area is divided into several sections:

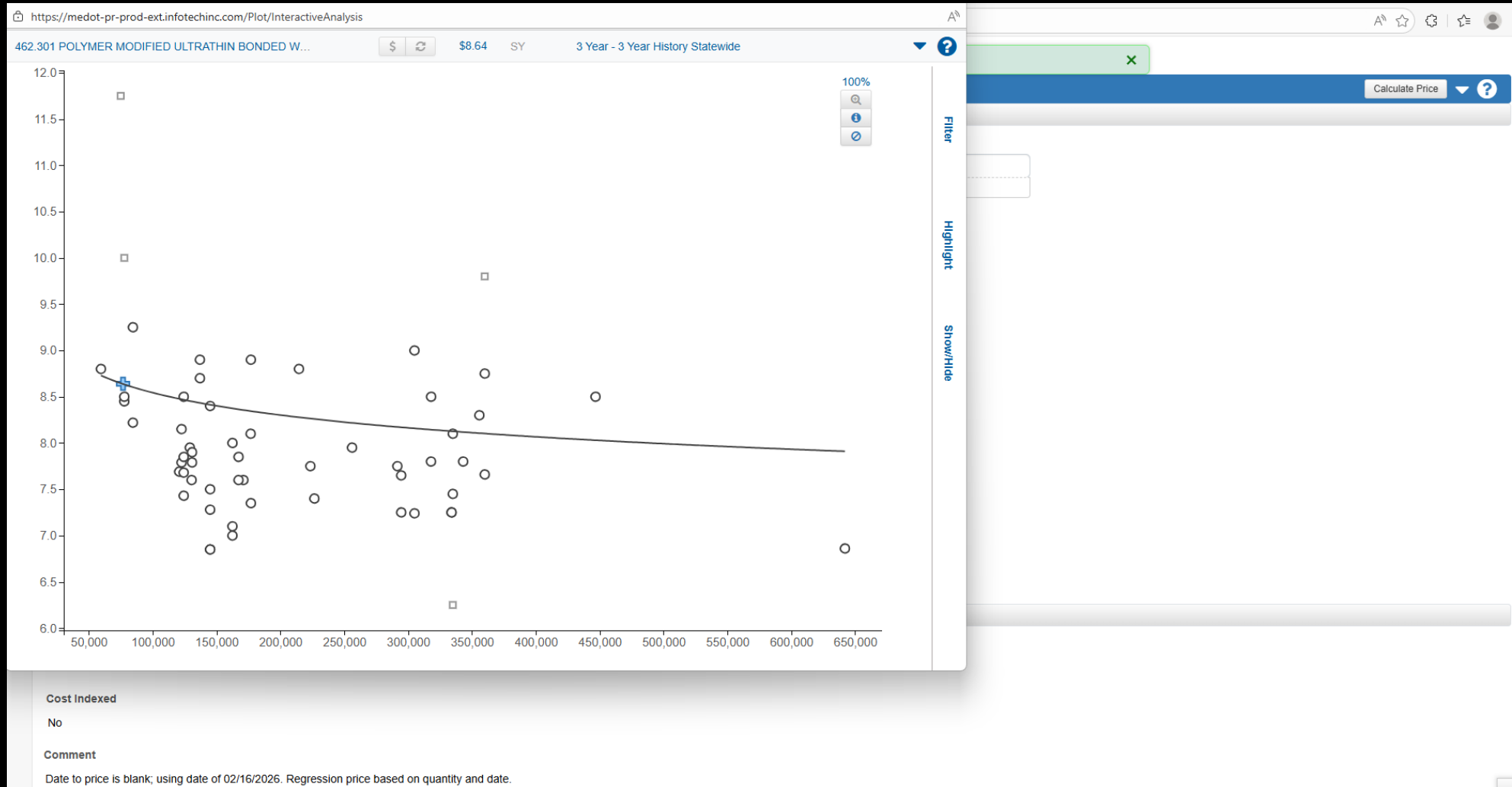
- Item Bid History:** A blue header bar with a 'Calculate Price' button on the right. A red arrow points to this button.
- Criteria:** A section containing various filters and search criteria:
 - Spec Book *:** A dropdown menu set to '90'.
 - Item *:** A search box containing '462.301' with a dropdown showing 'POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE 90'.
 - Unit of Measure:** 'SY - SQUARE YARD'.
 - Quantity *:** A text input field containing '76780'.
 - Bid History Profile *:** A search box containing '3 Year' with a dropdown showing '3 Year History Statewide'.
 - Letting Date:** A date input field with the format 'mm/dd/yyyy'.
 - County:** A search box containing 'C011' with a dropdown showing 'KENNEBEC'.
 - Highway Type:** A dropdown menu.
 - Improvement Type:** A dropdown menu.
 - Terrain:** A dropdown menu.
 - Urban/Rural:** A dropdown menu.
 - Work Type:** A dropdown menu.
 - Last Updated Date:** A text input field.
 - Last Updated By:** A text input field.
- Results:** A section containing the following data:
 - Price:** 8.64
 - Regression:** Yes
 - Cost Indexed:** No
 - Comment:** Date to price is blank; using date of 02/16/2026. Regression price based on quantity and date.

An 'Actions' dropdown menu is open on the right side of the page, showing the following options:

- There are no actions available.
- Tasks
 - Price vs Quantity Analysis** (highlighted with a red arrow)
 - Attachments and Links
 - TEDOCS

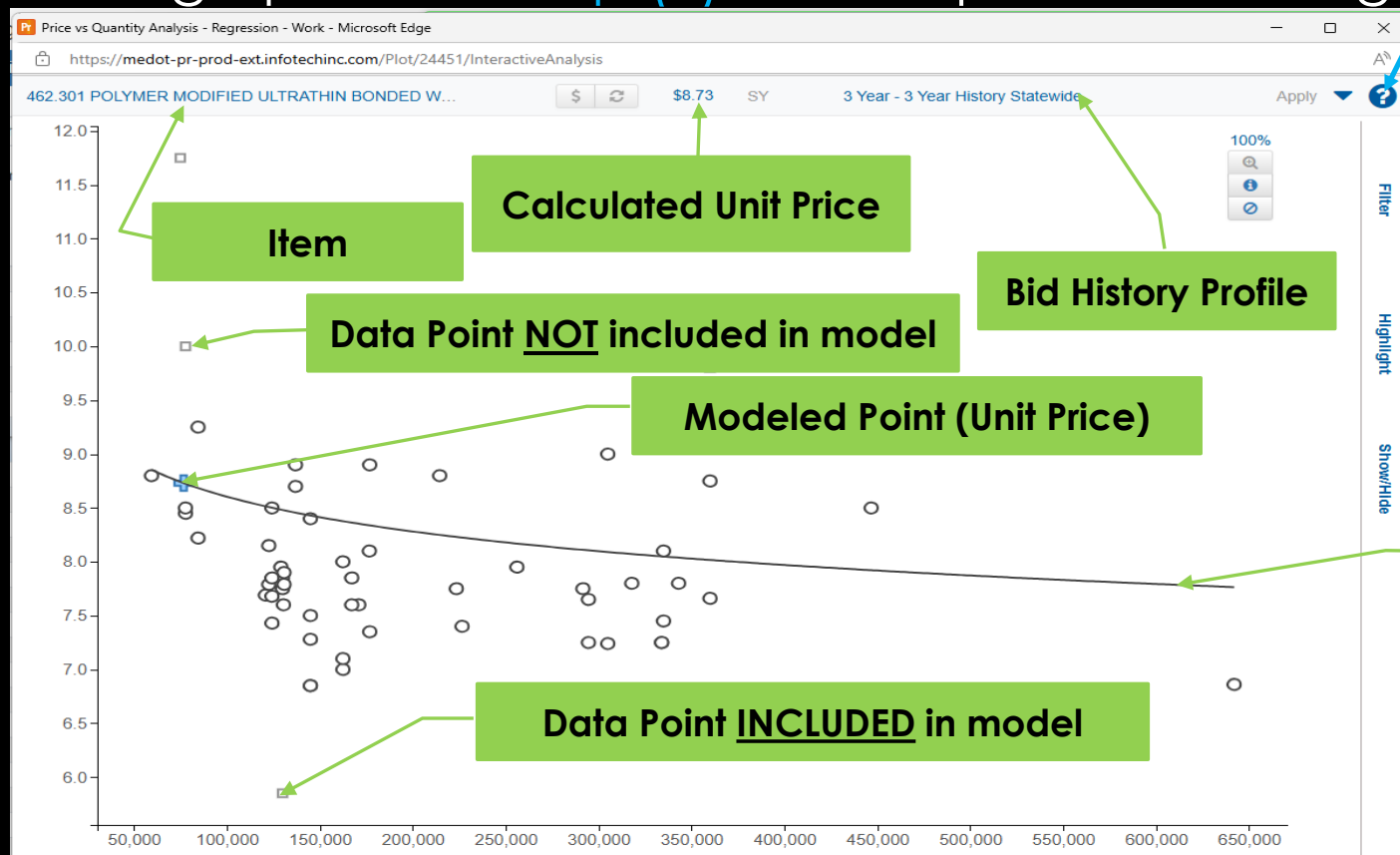
MaineDOT AASHTOWare *ESTIMATION*

The scatter plot for the item will open for further analyzing.



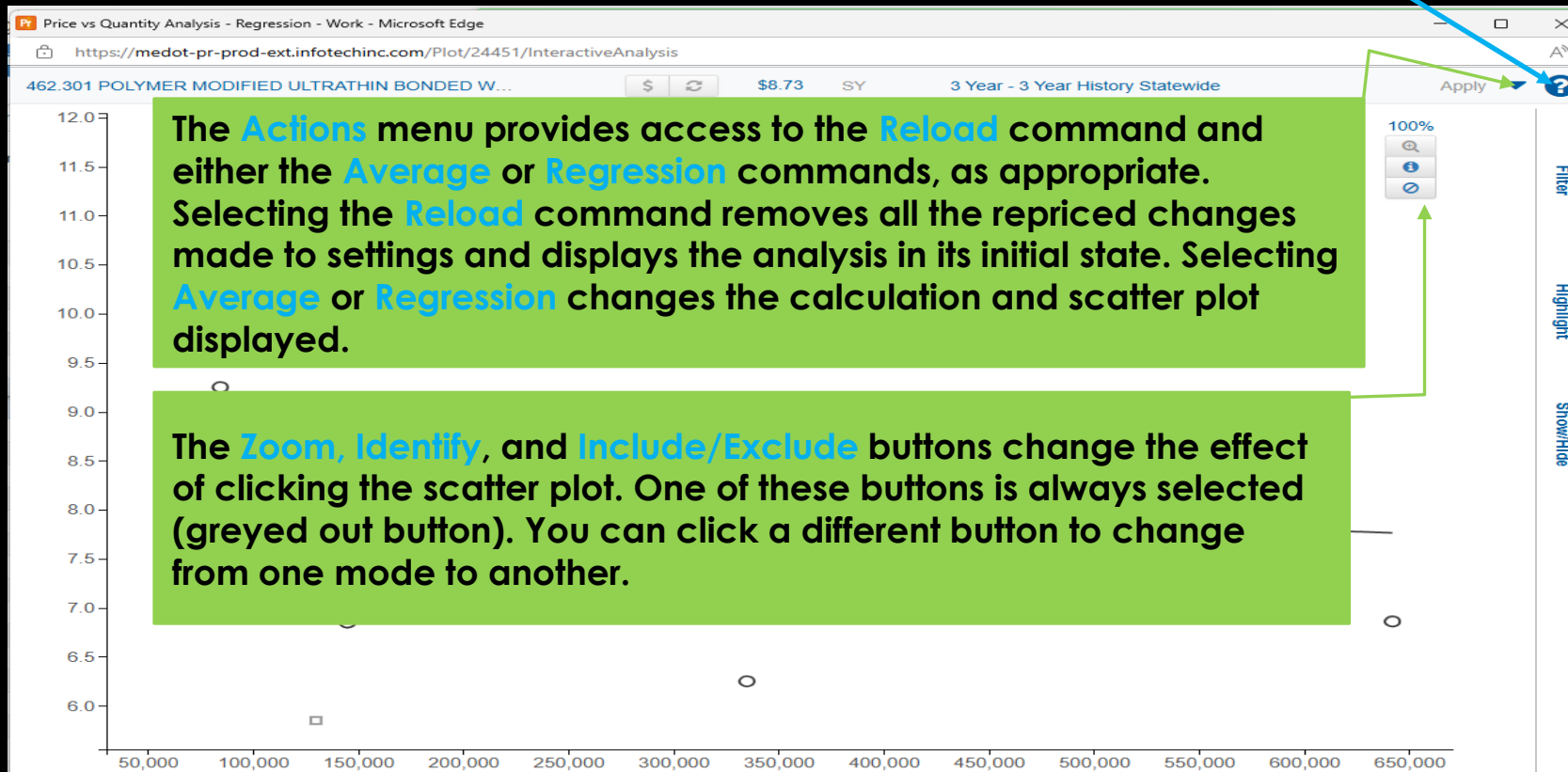
MaineDOT AASHTOWare *ESTIMATION*

The *Price vs Quantity - Analysis Scatter Plot unit price* model will open showing the regression curve, data points, calculated unit price and bid history profile used to modeled price. Added information to better understand the functions of the *Scatter Plot* are available at “*Using the Scatter Plat to Analyze Bid Items Prices*” by clicking open the *Help (?)* in the top bar on the right.



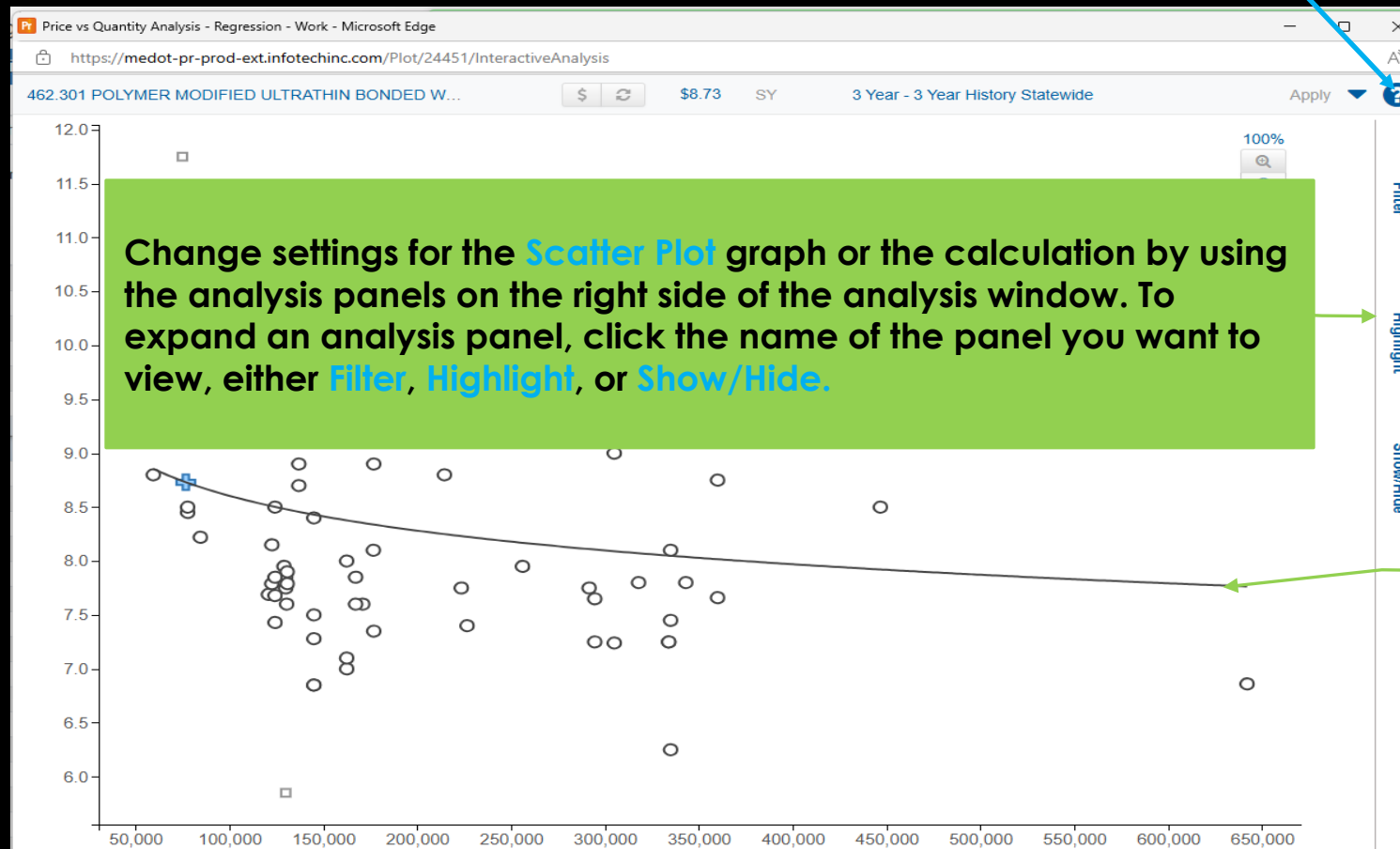
MaineDOT AASHTOWare *ESTIMATION*

Scatter Plot functions include **Actions** button, **Zoom**, **Identify**, and **Include/Exclude**. Added information to better understand the functions of the **Scatter Plot** are available at "*Using the Scatter Plot to Analyze Bid Items Prices*" by clicking open the **Help (?)** in the top bar on the right.



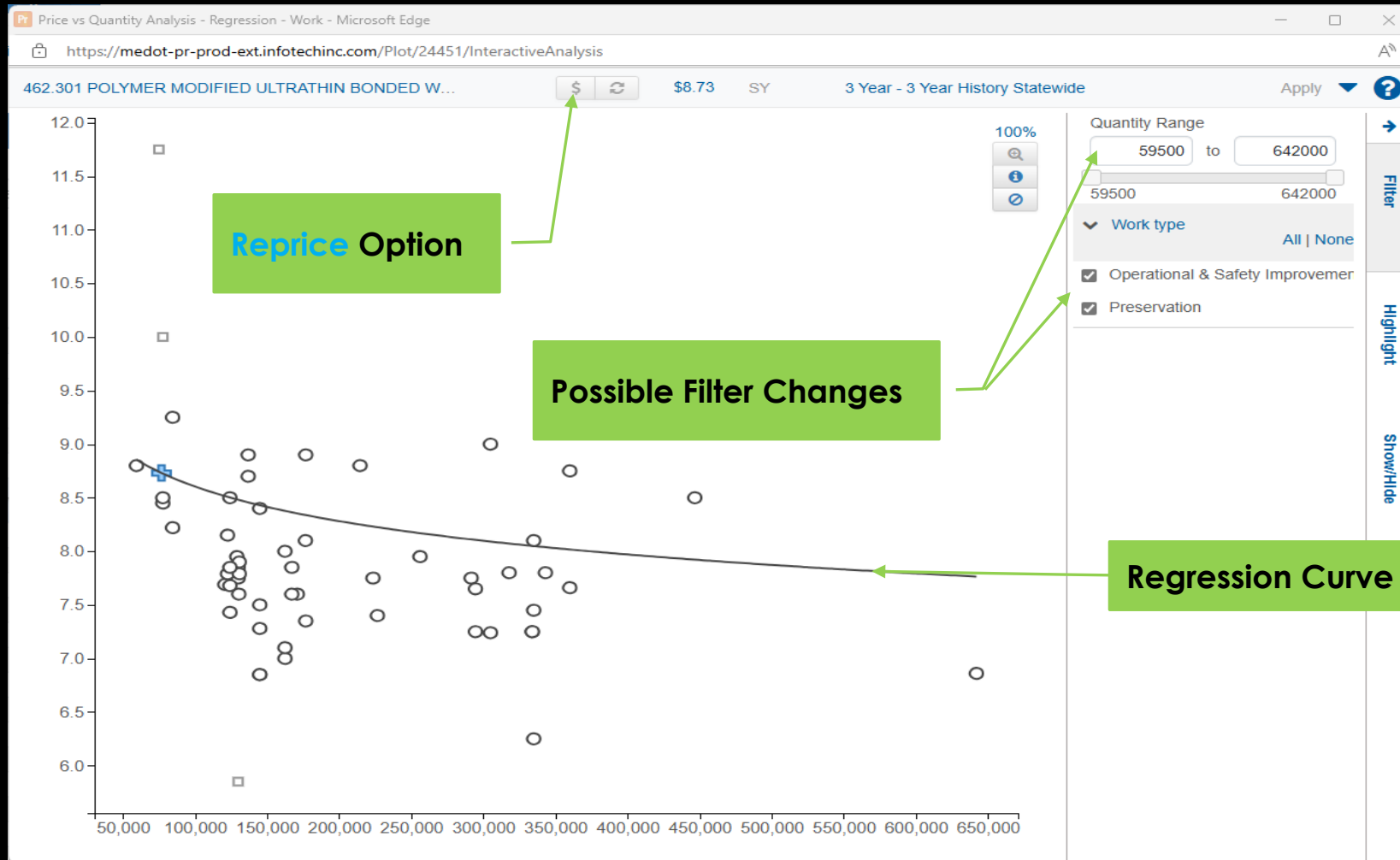
MaineDOT AASHTOWare *ESTIMATION*

Scatter Plot also includes the Analysis Panels called: **Filter**, **Highlight**, and **Show/Hide**. Added information to better understand the functions of the Scatter Plot are available at "*Using the Scatter Plot to Analyze Bid Items Prices*" by clicking open the **Help (?)** in the top bar on the right.



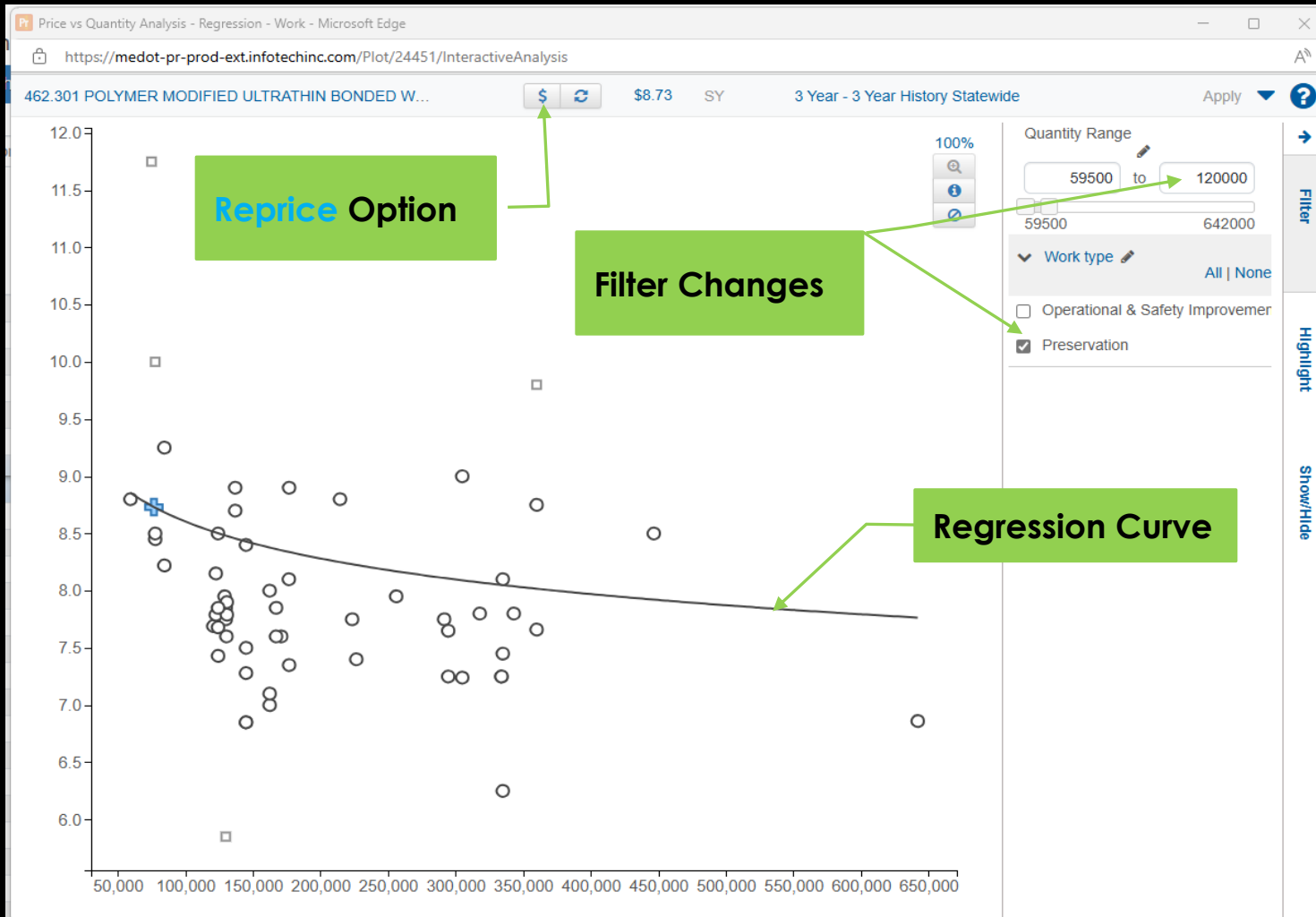
MaineDOT AASHTOWare *ESTIMATION*

Open **Filter** and change the **Quantity Range** and **Work Type**. Once there is a filter change the **Repricing (\$)** option is now available.



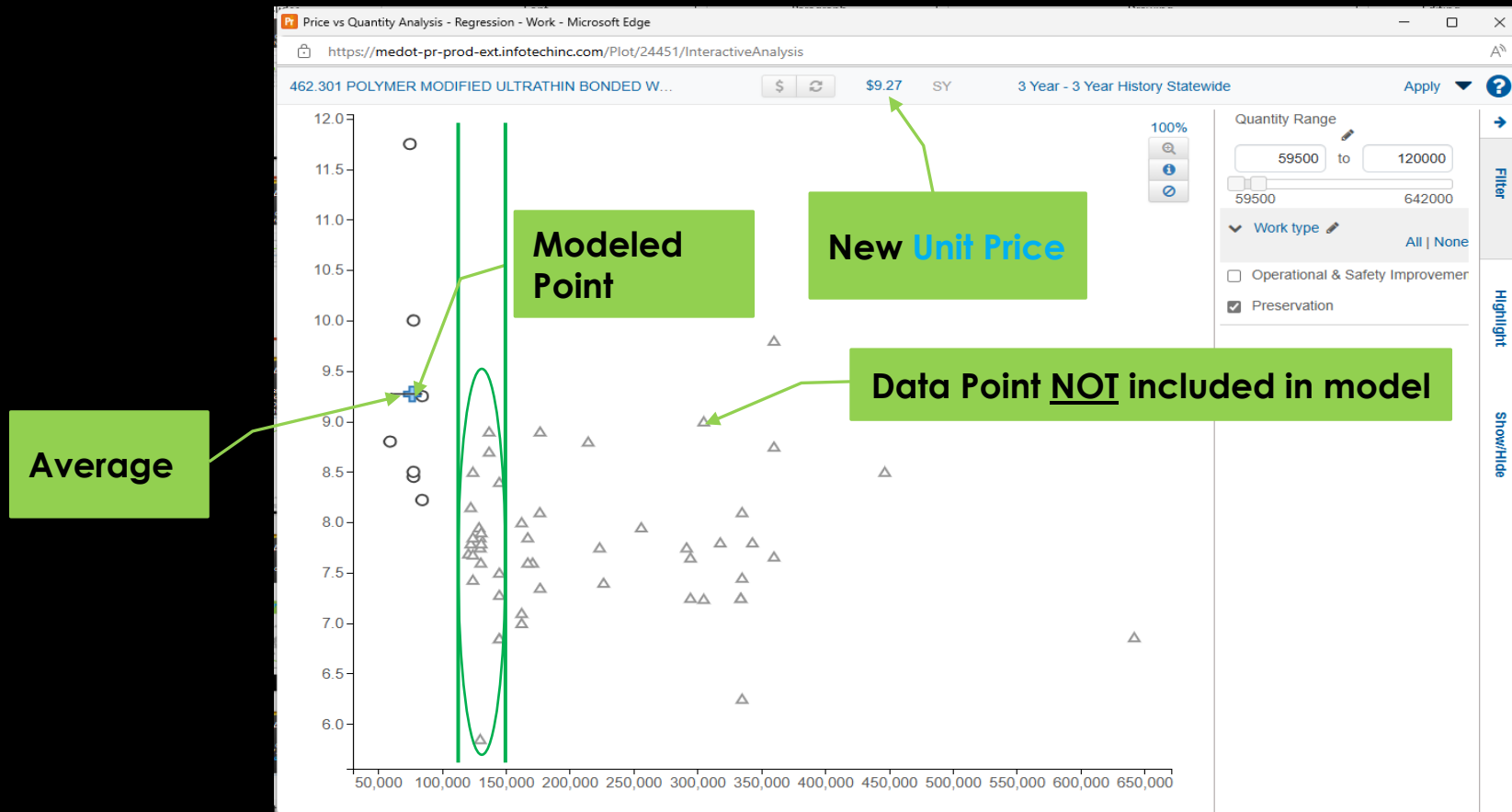
MaineDOT AASHTOWare *ESTIMATION*

Open **Filter** and change the **Quantity Range** and **Work Type**. Once the filter change is made the **Repricing (\$)** option is now available.



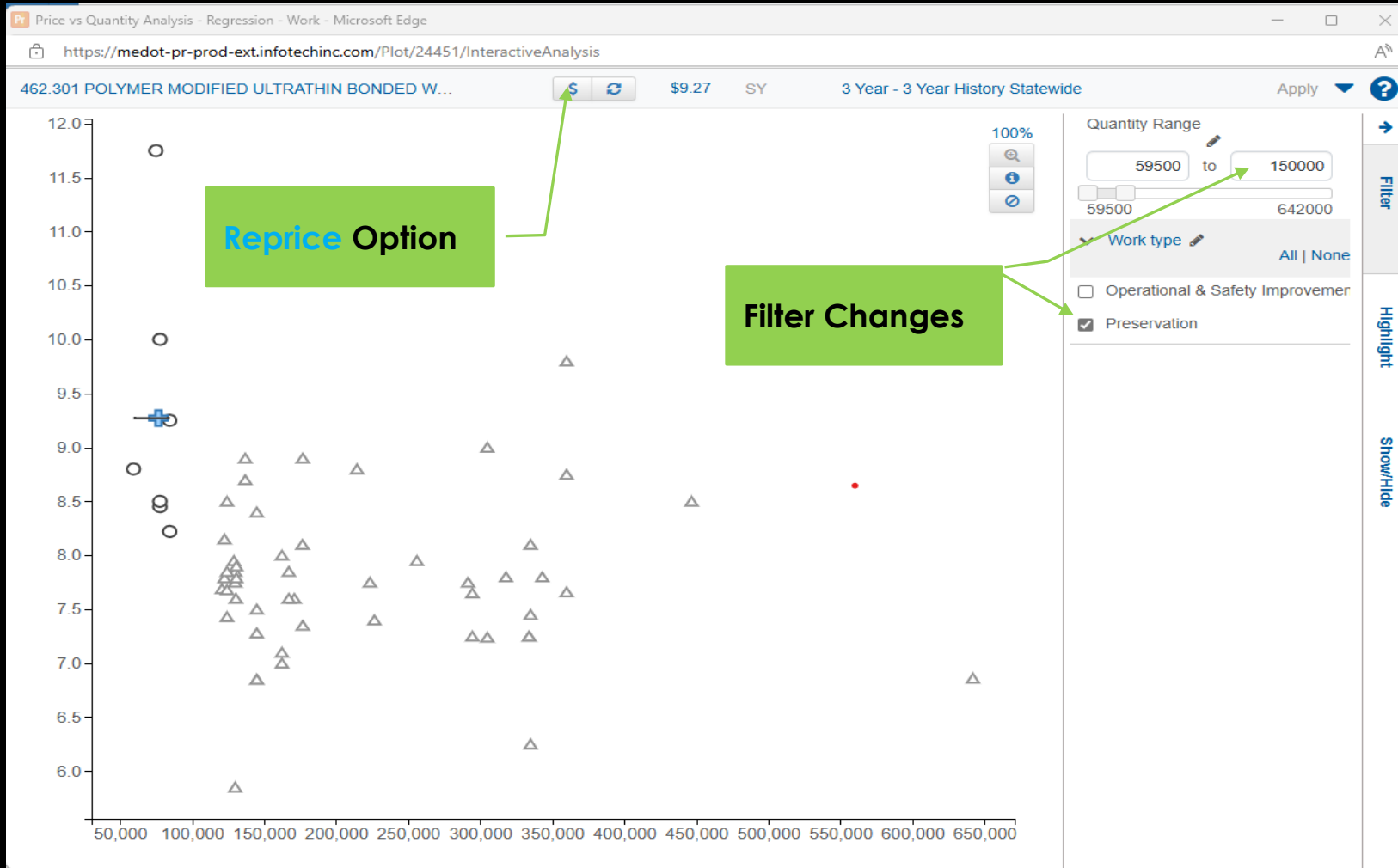
MaineDOT AASHTOWare *ESTIMATION*

Click the **Repricing (\$)** option. Data points were eliminated based on new filters. A new **Unit Price** was calculated based on **Average** price because of the lack of data points (straight line at modeled data point). Change Quantity Range upper limit to filter to 150,000 SY to add data points and to determine if a regression curve can be calculated.



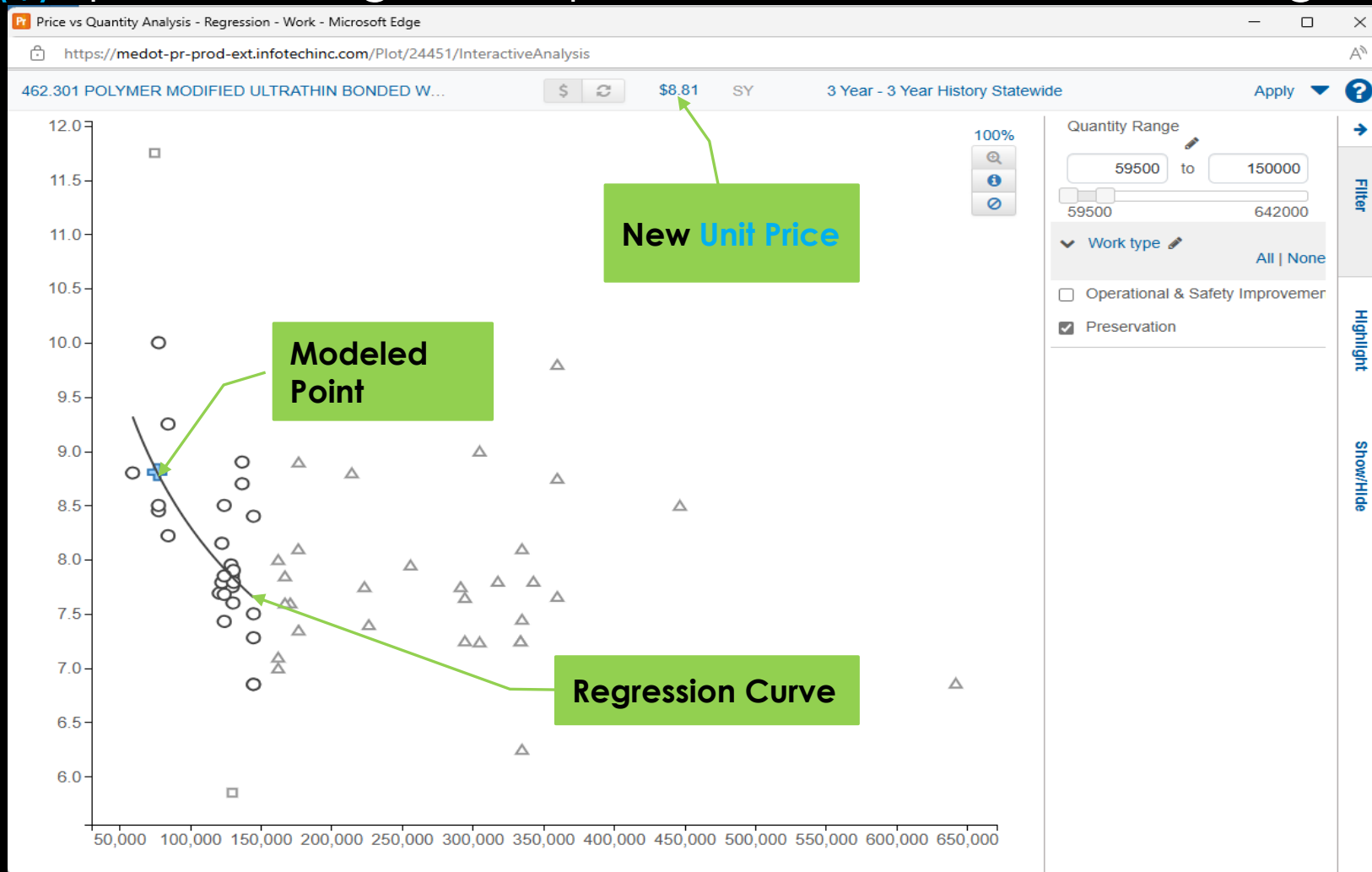
MaineDOT AASHTOWare *ESTIMATION*

Change Quantity Range upper limit to filter to 150,000 SY and click the Repricing (\$) option.



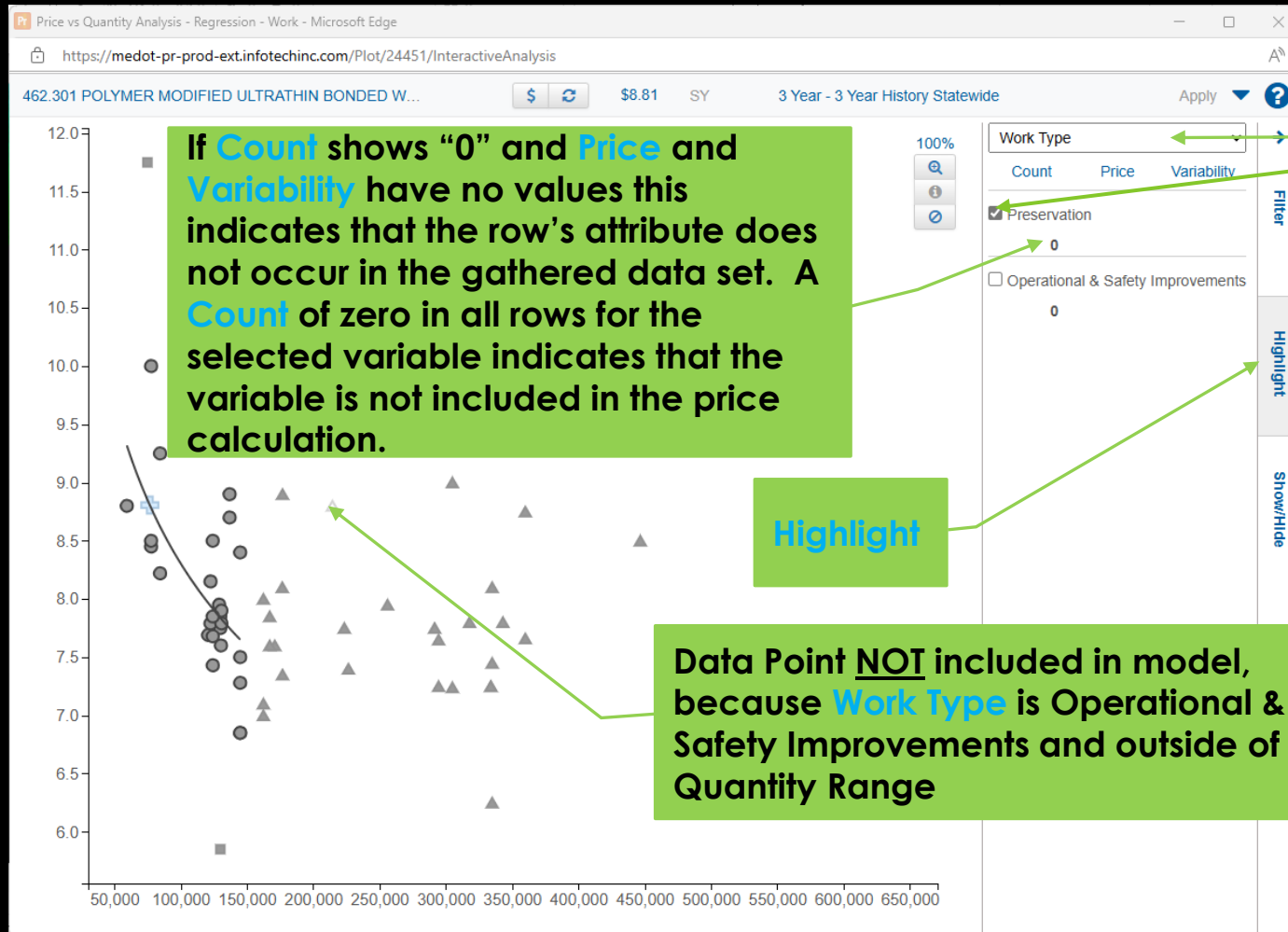
MaineDOT AASHTOWare *ESTIMATION*

Change Quantity Range upper limit to filter to 150,000 SY and click the **Repricing (\$)** option. Enough data points are now included for regression.



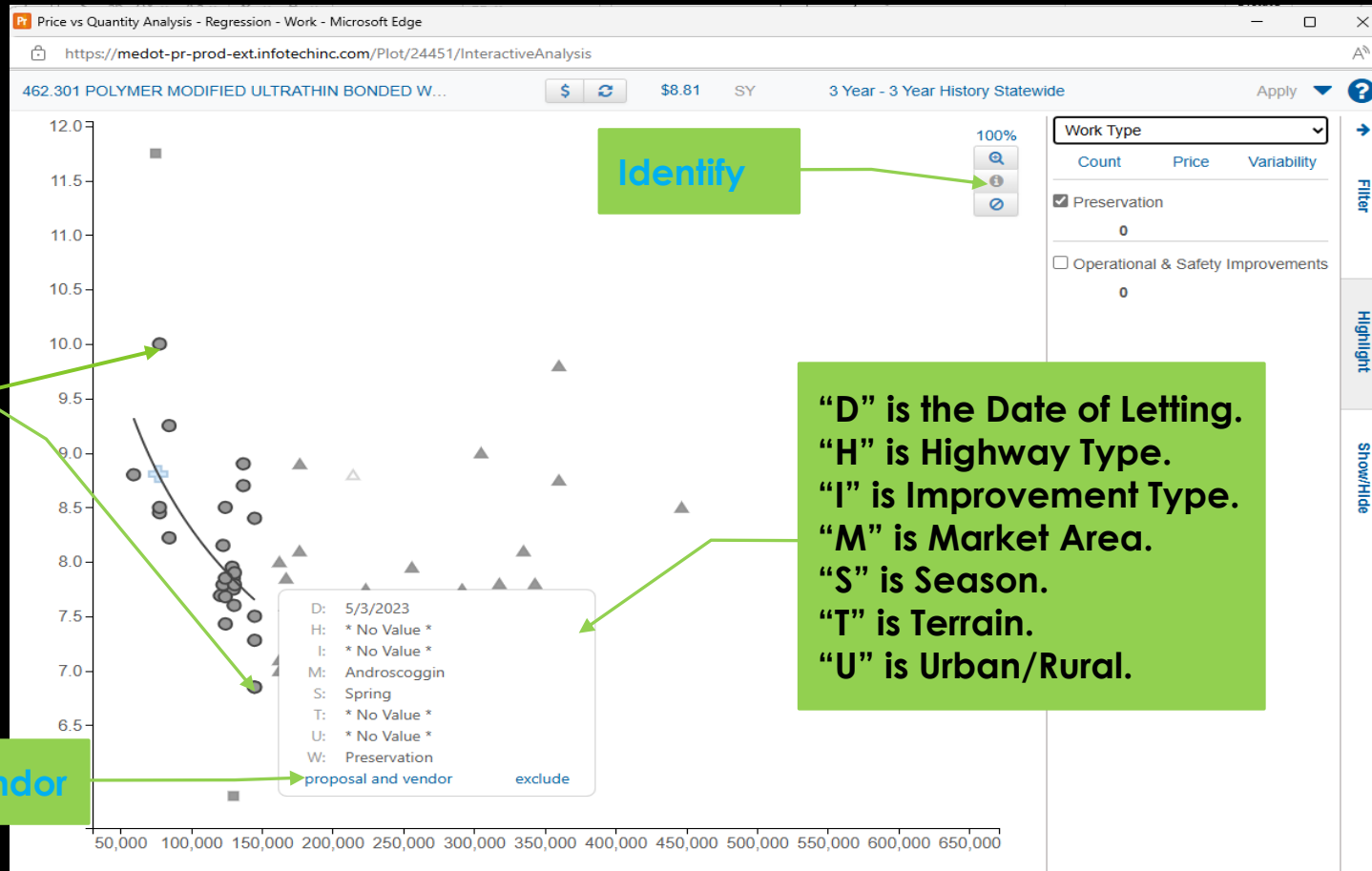
MaineDOT AASHTOWare *ESTIMATION*

To take a closer look at data points near the curve open **Highlight** and click on **Work Types - Preservation**. All dark circles are used data points.



MaineDOT AASHTOWare *ESTIMATION*

To see more detail on the data point near the curve click on **Identify** (greyed out). Click on the data point. Bid information for the data point is shown. By clicking on **proposal** and **vendor** more information is show.

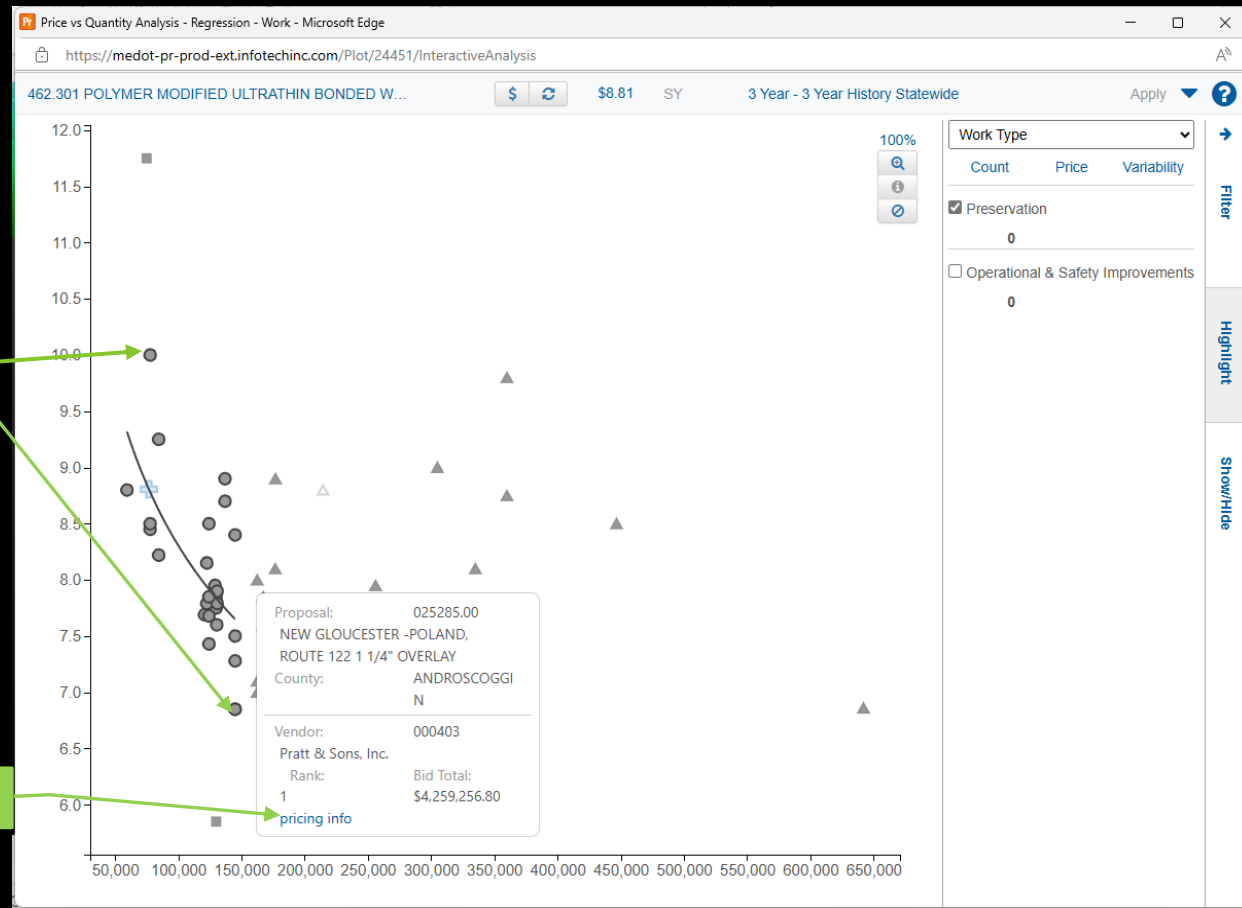


MaineDOT AASHTOWare *ESTIMATION*

Once **proposal** and **vendor** is open it shows the project WIN, Description, County, Contractor, Bid Rank and Total Bid. By clicking on **pricing info** you return to first window that will allow you to exclude the high and low unit price data points. Always click on **Reprice** after excluding points.

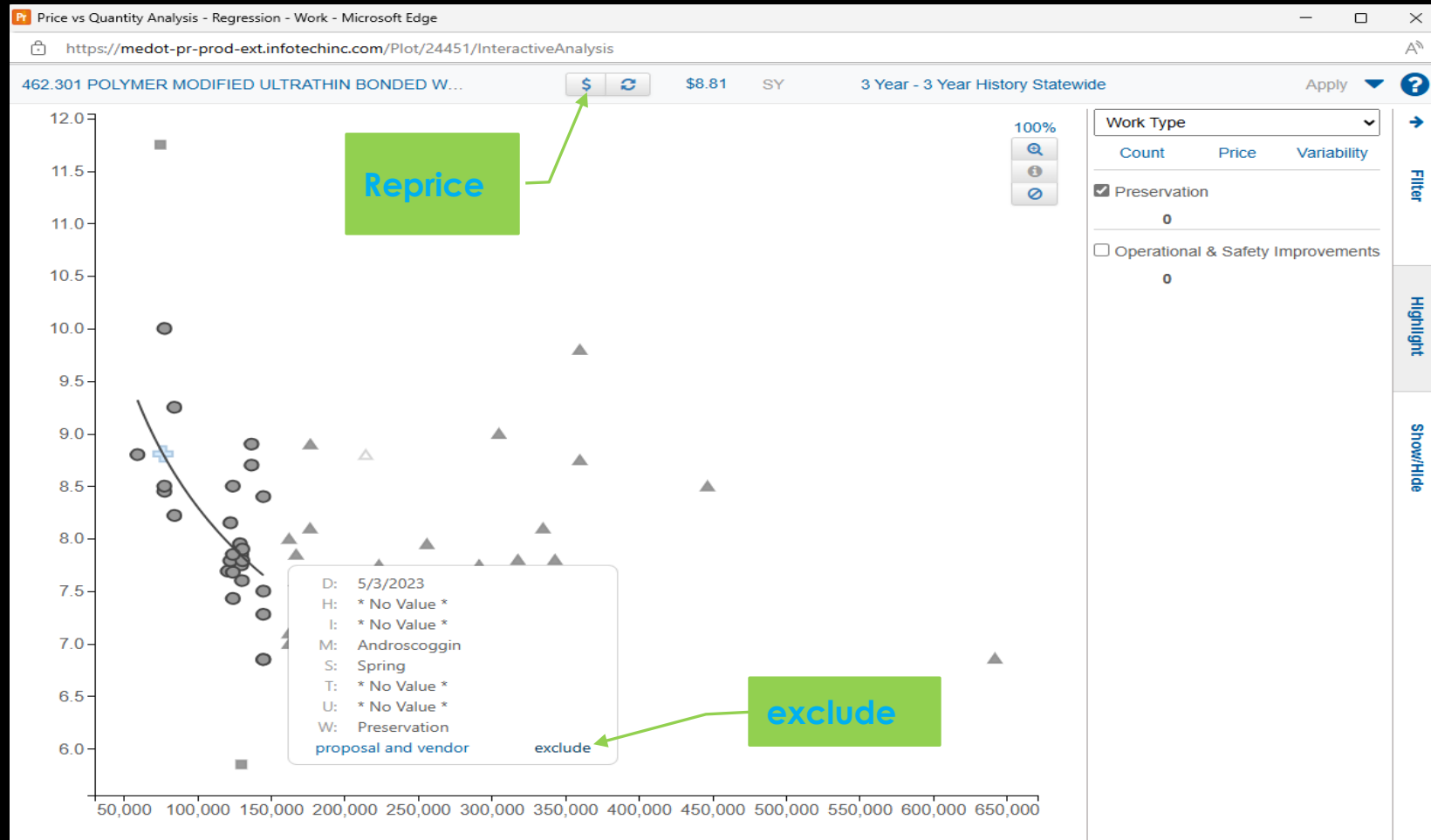
High and low
Unit Price
Data Points

pricing info



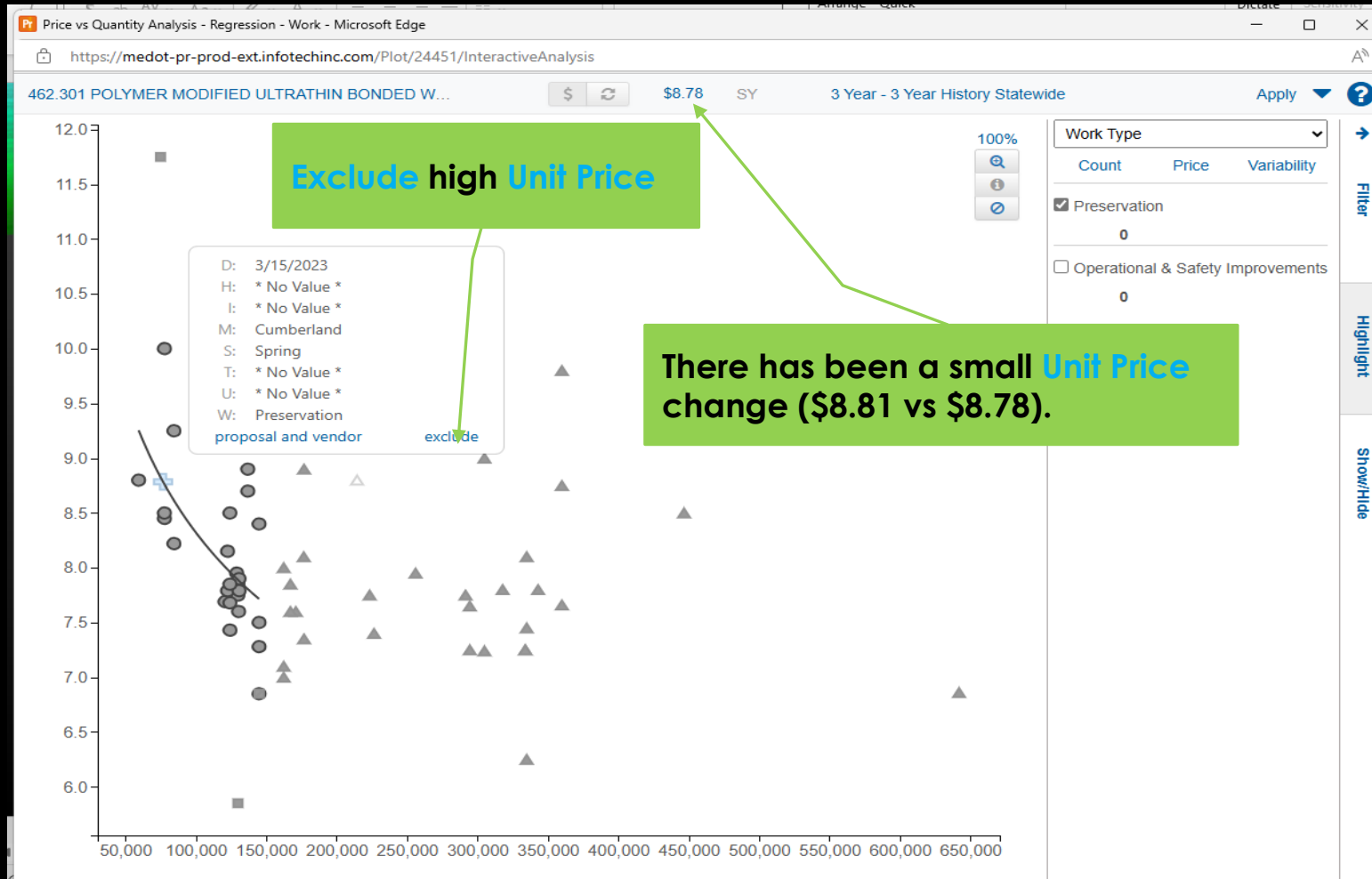
MaineDOT AASHTOWare *ESTIMATION*

Click on **excluded** (that will change to **include**). Always click on **Reprice** after excluding points.



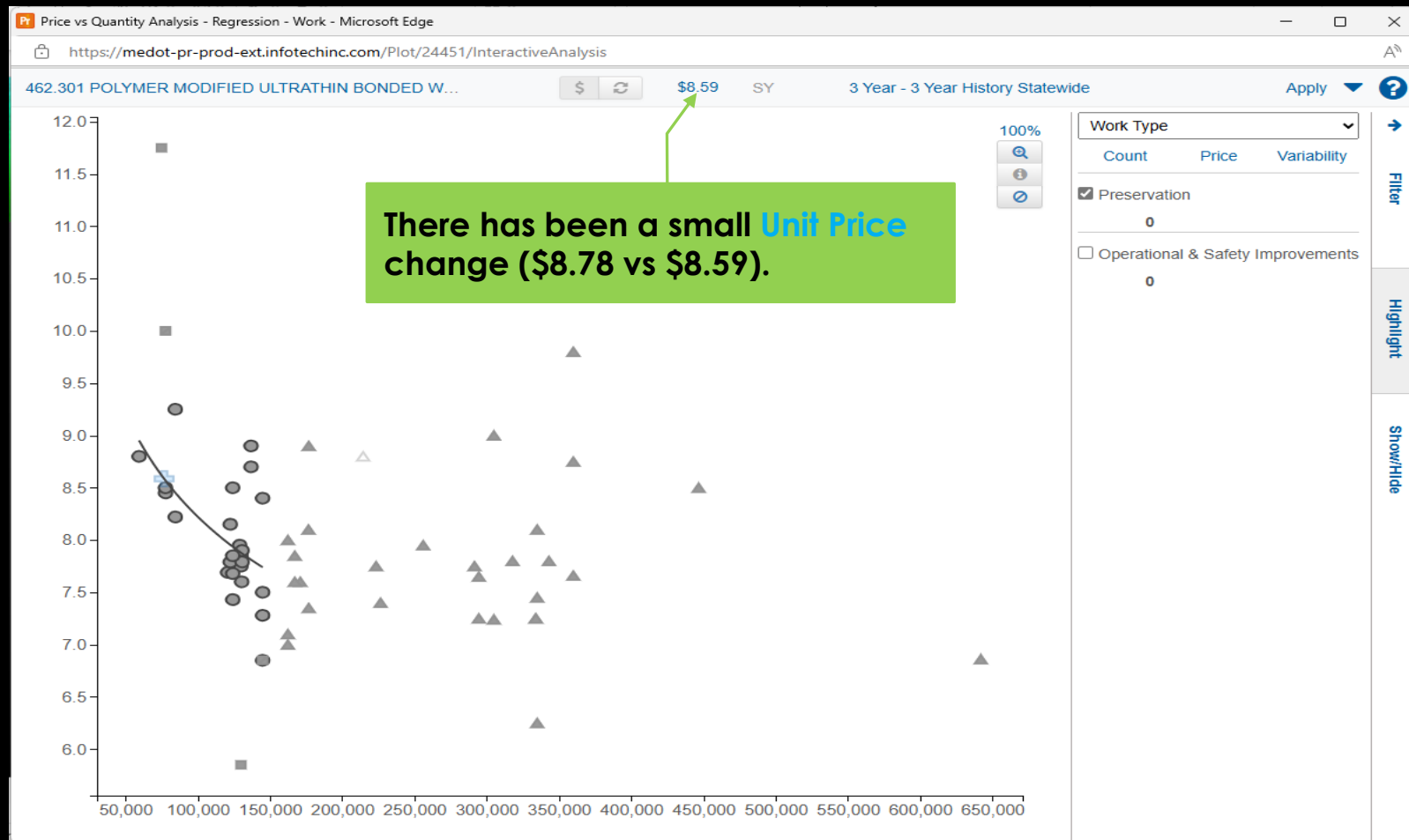
MaineDOT AASHTOWare *ESTIMATION*

Click on **excluded**. Always click on **Reprice** after excluding points.



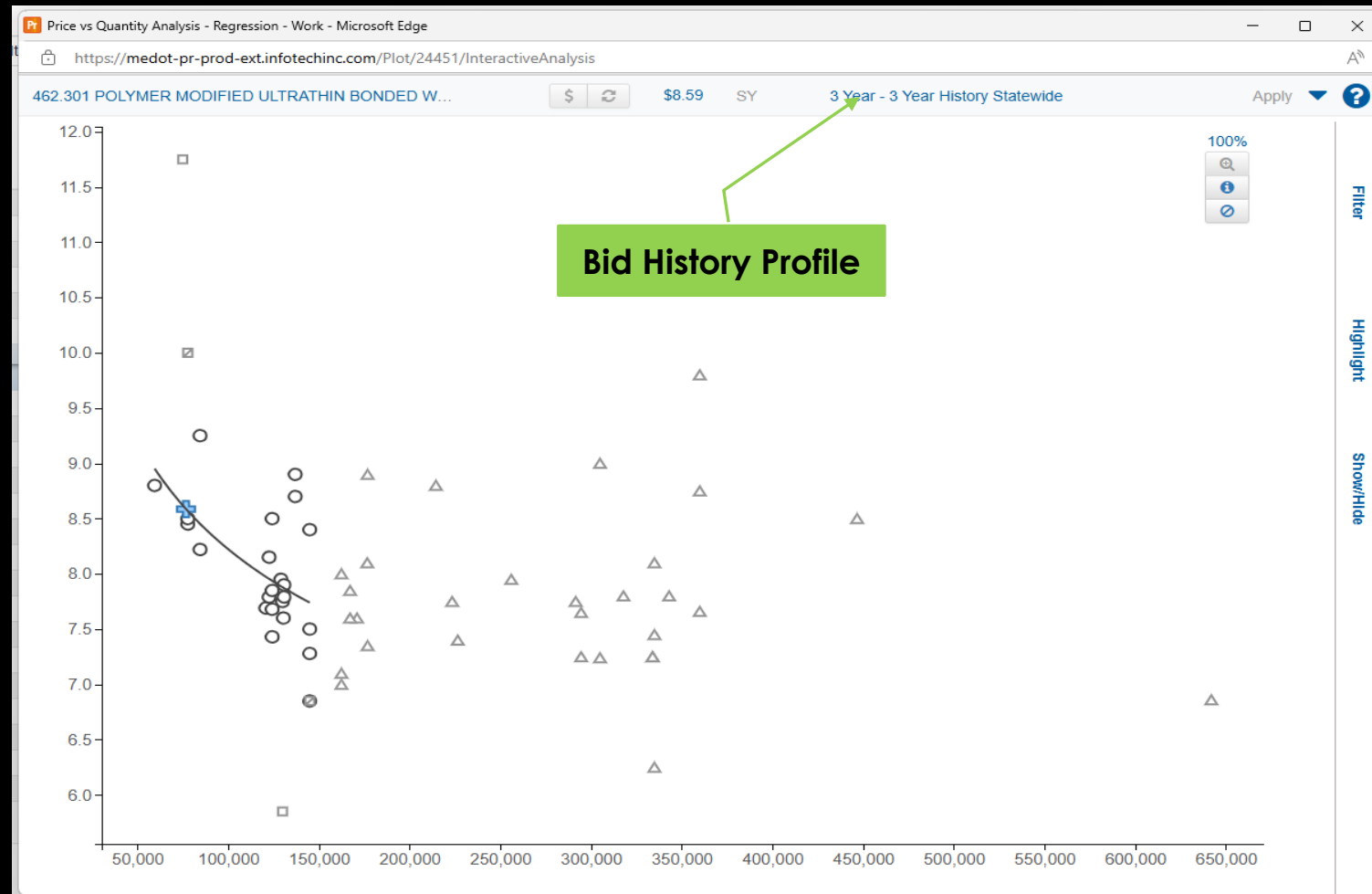
MaineDOT AASHTOWare *ESTIMATION*

Quantity Range has been set, and high and low Unit Prices have been eliminated.



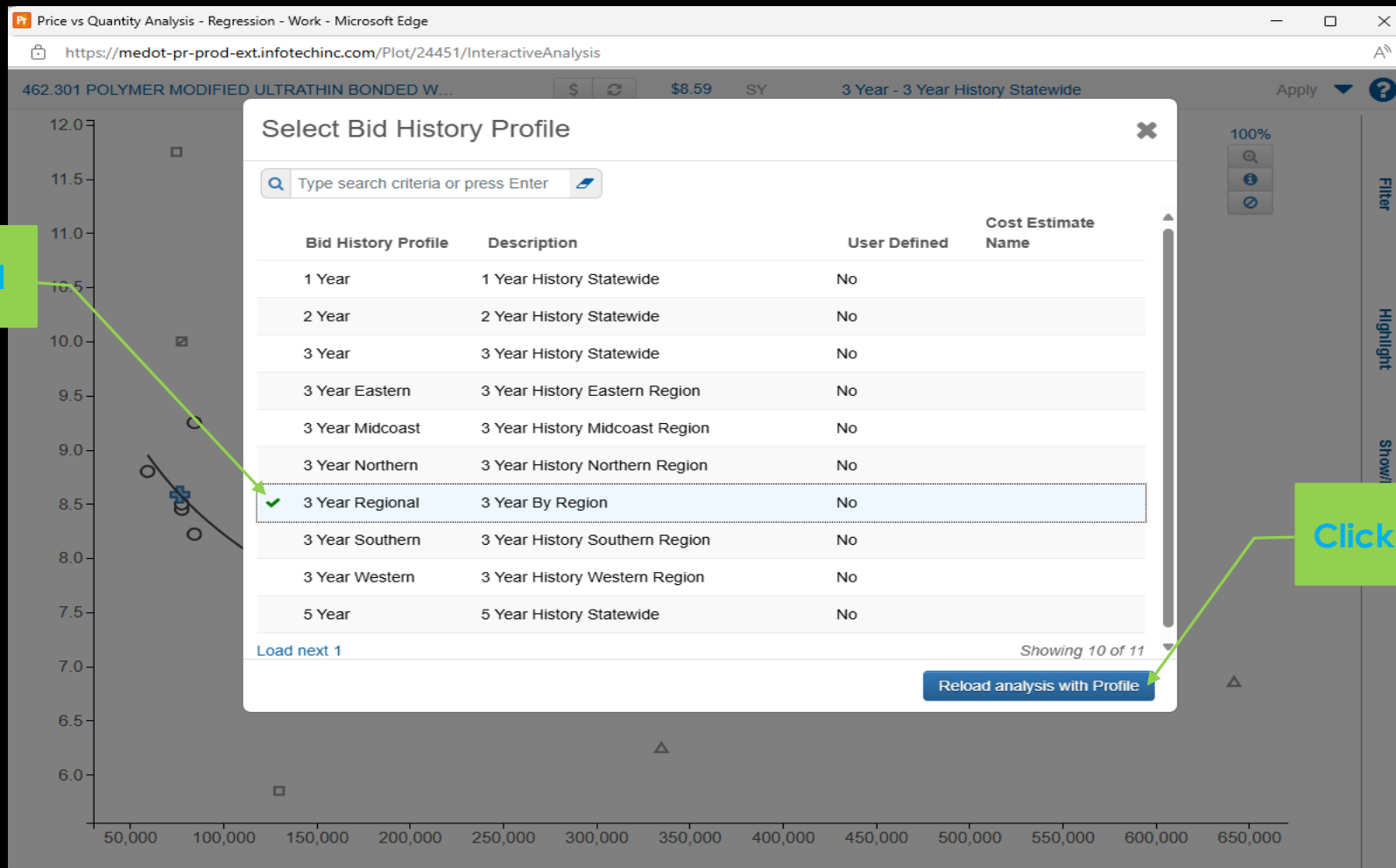
MaineDOT AASHTOWare *ESTIMATION*

The [Bid History Profile](#) should be clicked to show a list of [Bid History Profiles](#) to determine if the a more refined market area would impact the unit price.



MaineDOT AASHTOWare *ESTIMATION*

Click the **3 Year Regional** and a green check mark should appear. Click on **Reload Analysis**.

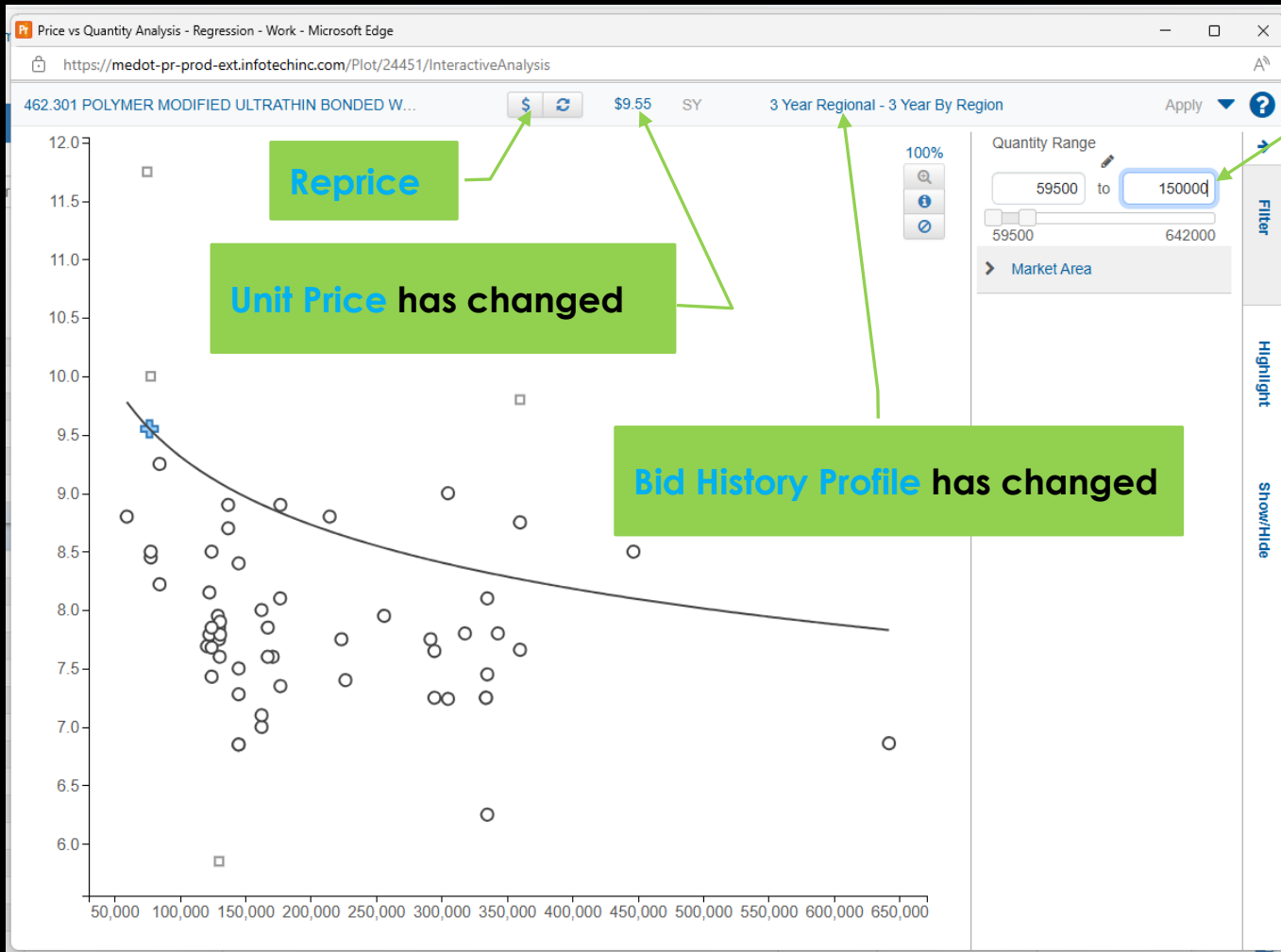


3 Year Reginal

Click on Reload Analysis

MaineDOT AASHTOWare *ESTIMATION*

Unit Price and Bid History Profile has changed. Quantity Range needs to be retuned to upper limit of 150,000 SY and click on Reprice.



Reprice

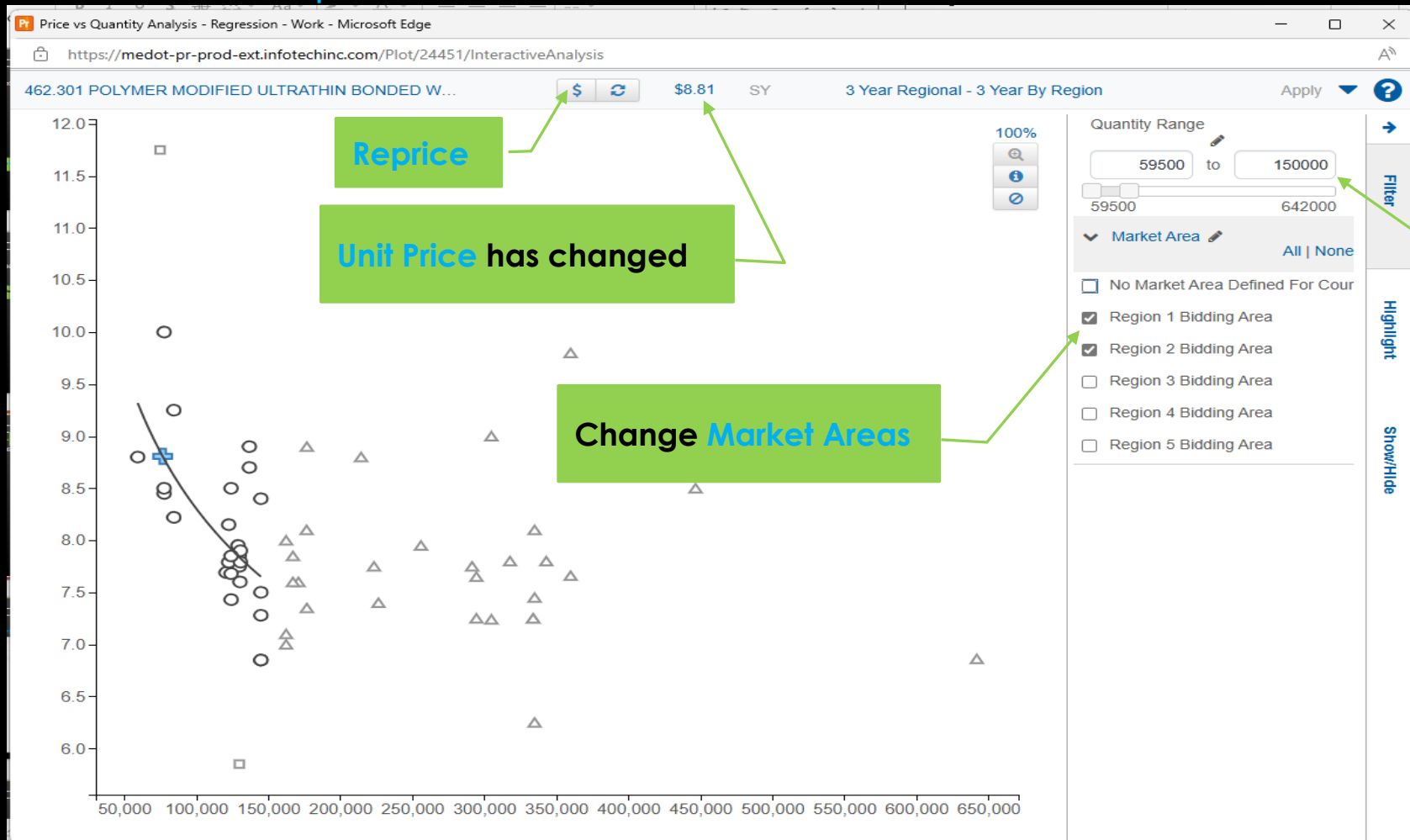
Unit Price has changed

Bid History Profile has changed

Refilter Quantity Range

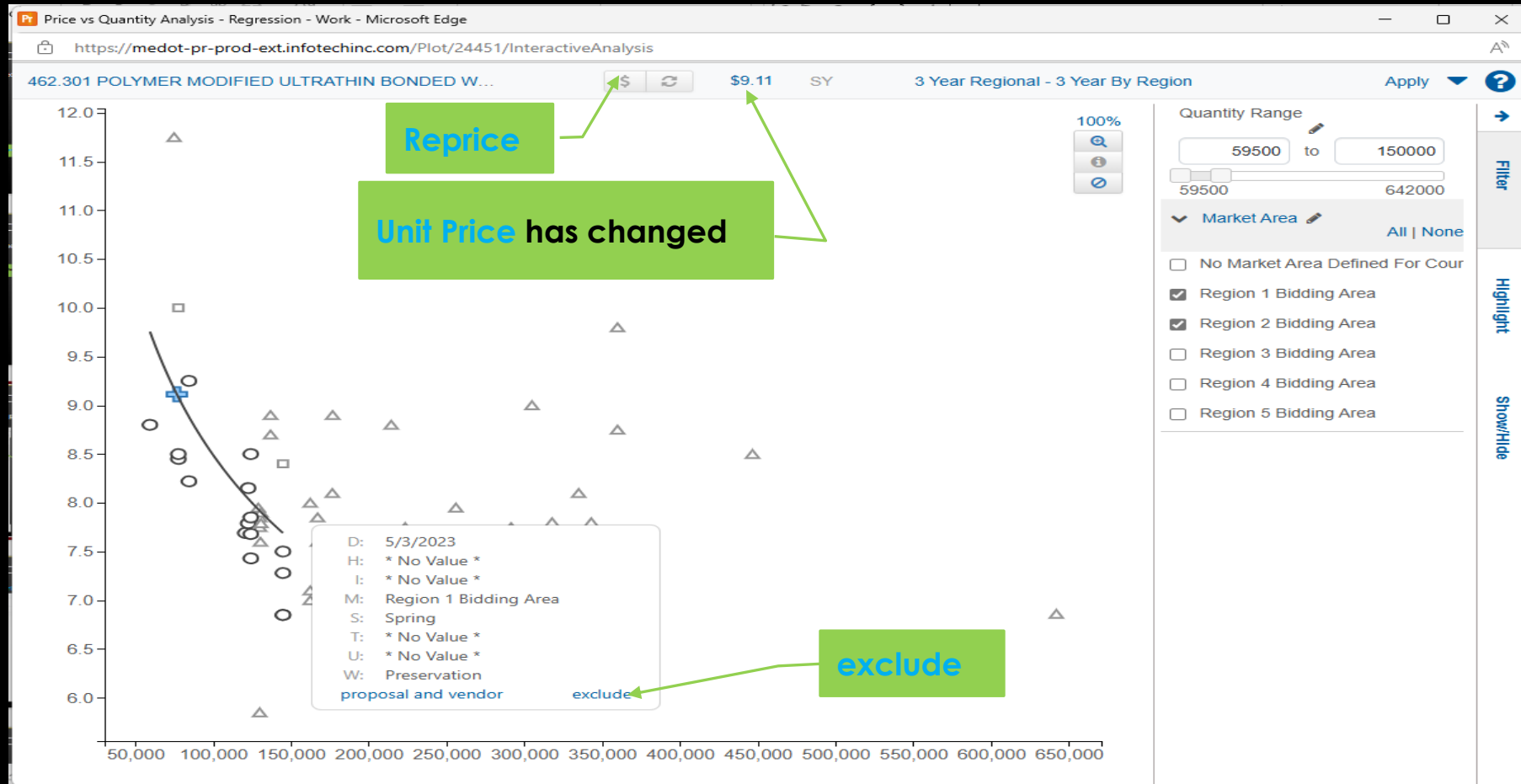
MaineDOT AASHTOWare *ESTIMATION*

Unit Price has changed. Open Market Area filter click off all but Regions 1 and 2 then click on Reprice.



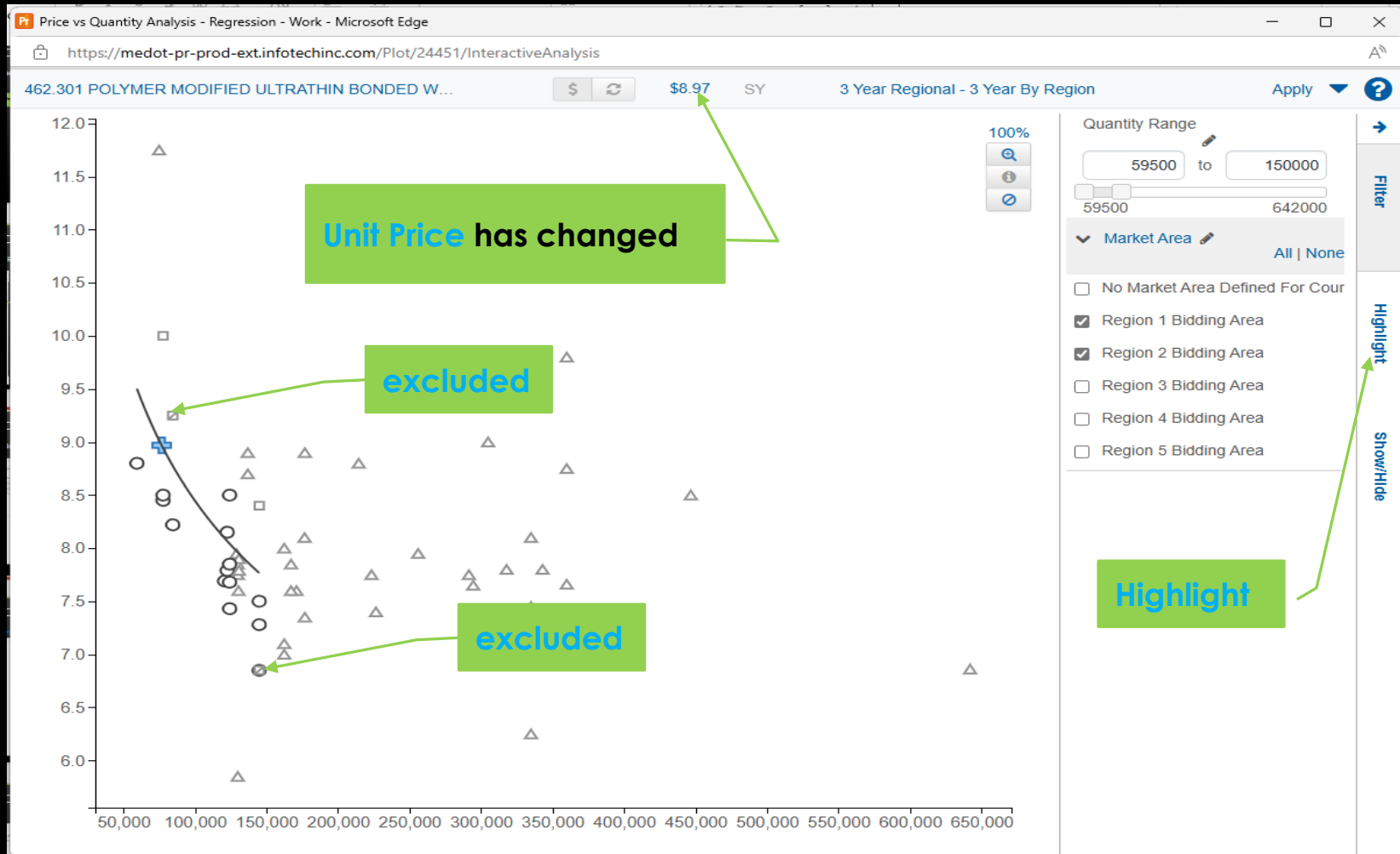
MaineDOT AASHTOWare *ESTIMATION*

Unit Price has changed. Exclude high and low Unit Costs then click on Reprice.



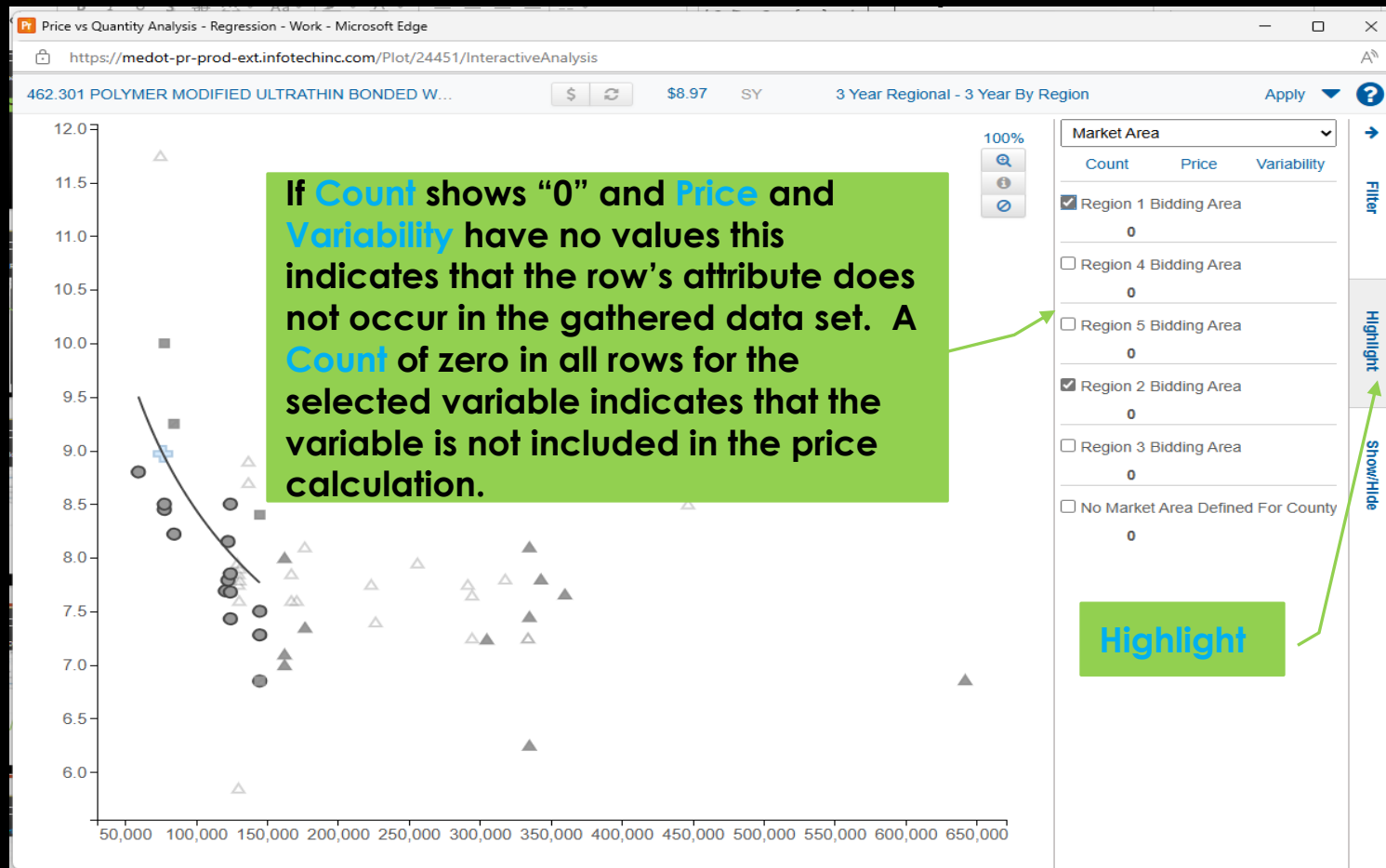
MaineDOT AASHTOWare *ESTIMATION*

Unit Price has changed. Exclude high and low Unit Costs then open Highlight.



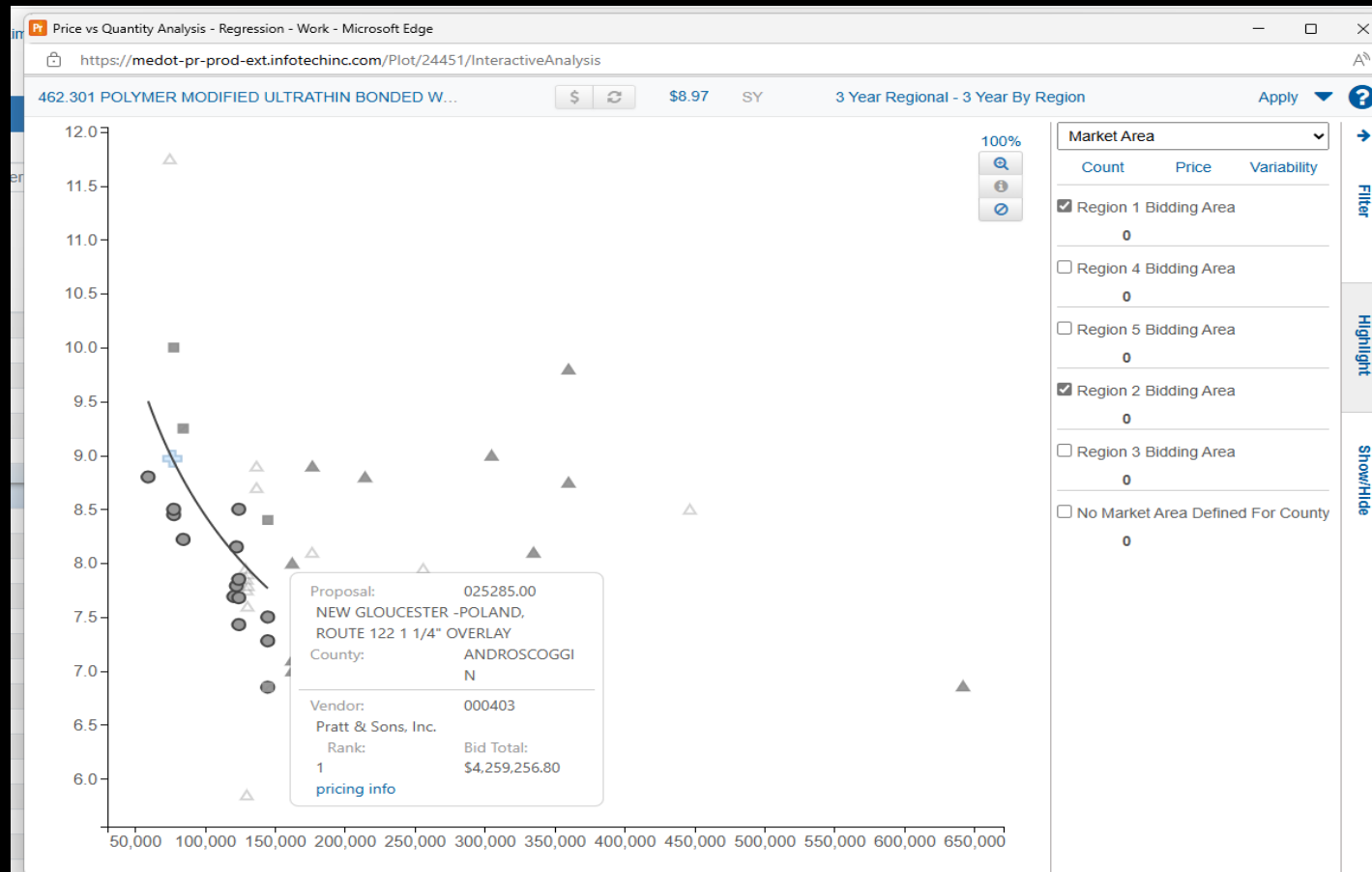
MaineDOT AASHTOWare *ESTIMATION*

Highlight is open and click on Region 1 and 2. Count is “0”.



MaineDOT AASHTOWare *ESTIMATION*

Review all data used points. In this case the most of these points are from Region 1. Given the project is in Woolwich (very close to Region 1) the new Unit Price should be considered the best price for this item. To print the results, make a “Snip-it” of the scatter plot and copy to Word or Excel file.



MaineDOT AASHTOWare *ESTIMATION*

MaineDOT *ESTIMATION* User Guide

For added information see the *Estimation* User Guide. This guide will be updated and revised with the installation of new versions of *Estimation* and based on user-based comments. The guide is available at this link: [Construction Support Documents | Maine Department of Transportation](#) (Note: Scroll down the page to the AWP Estimation Training Guide section)

MaineDOT AASHTOWare *ESTIMATION*

Questions & Comments?

If you have questions or comments after this document or the *Estimation* User Guide, contact Doug Coombs at:
douglas.coombs@tylin.com