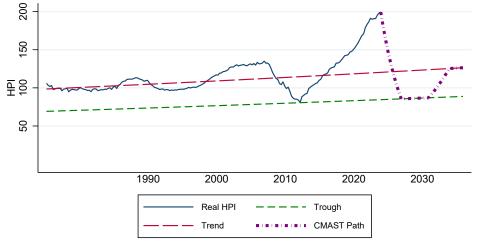
12060 - Atlanta-Sandy Springs-Alpharetta, GA Q4 2023 Scenario

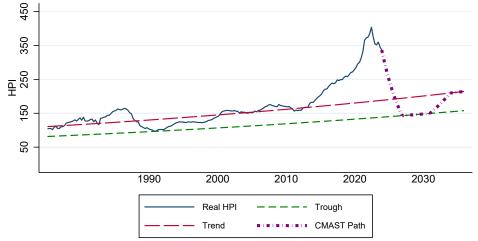
Nominal Percent Decline: 55.7%



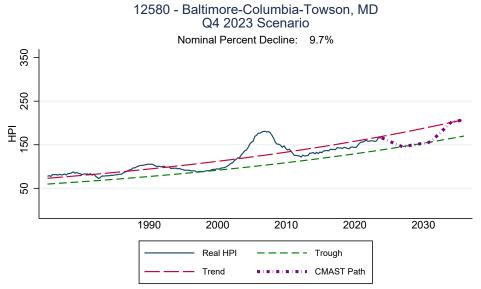
The graph above shows real HPI from Q1 1975 through Q4 2023 for Atlanta-Sandy Springs-Alpharetta, GA. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 55.7% from current price levels.

12420 - Austin-Round Rock-Georgetown, TX Q4 2023 Scenario

Nominal Percent Decline: 56.2%



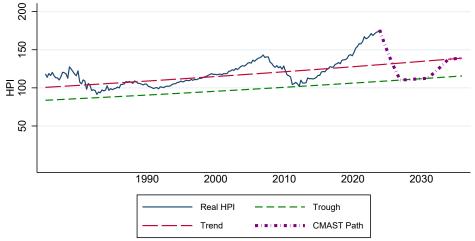
The graph above shows real HPI from Q1 1975 through Q4 2023 for Austin-Round Rock-Georgetown, TX. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 56.2% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Baltimore-Columbia-Towson, MD. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 9.7% from current price levels.

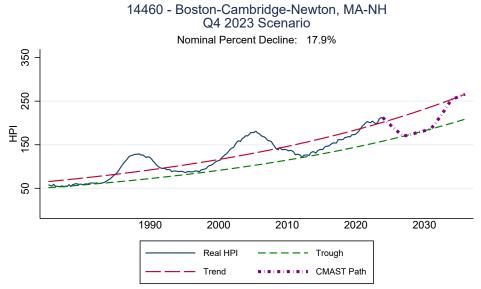
13820 - Birmingham-Hoover, AL Q4 2023 Scenario

Nominal Percent Decline: 35.5%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Birmingham-Hoover, AL.

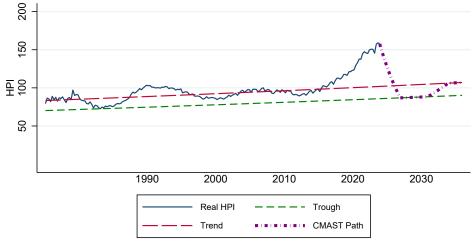
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 35.5% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Boston-Cambridge-Newton, MA-NH. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 17.9% from current price levels.

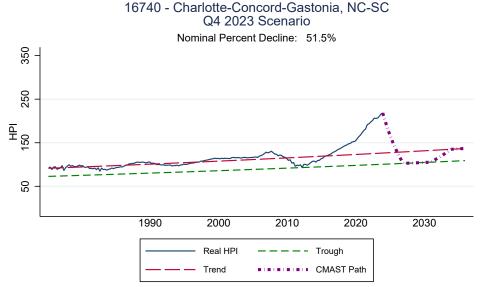
15380 - Buffalo-Cheektowaga, NY Q4 2023 Scenario

Nominal Percent Decline: 43.2%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Buffalo-Cheektowaga, NY.

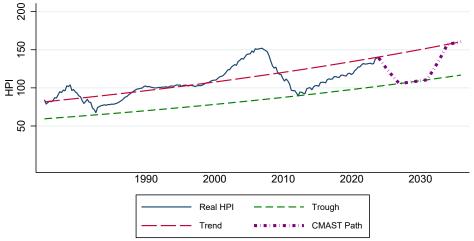
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 43.2% form current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Charlotte-Concord-Gastonia, NC-SC. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 51.5% from current price levels.

16980 - Chicago-Naperville-Elgin, IL-IN-WI Q4 2023 Scenario

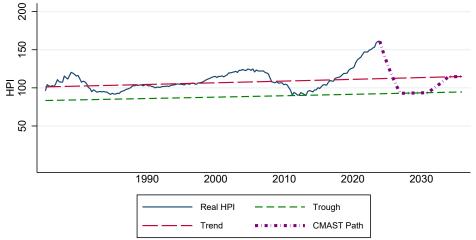
Nominal Percent Decline: 21.9%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Chicago-Naperville-Elgin, IL-IN-WI. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 21.9% from current price levels.

17140 - Cincinnati, OH-KY-IN Q4 2023 Scenario

Nominal Percent Decline: 40.6%

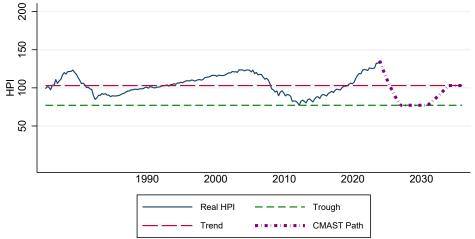


The graph above shows real HPI from Q1 1975 through Q4 2023 for Cincinnati, OH-KY-IN.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 40.6% from current price levels.

17460 - Cleveland-Elyria, OH Q4 2023 Scenario

Nominal Percent Decline: 41.4%

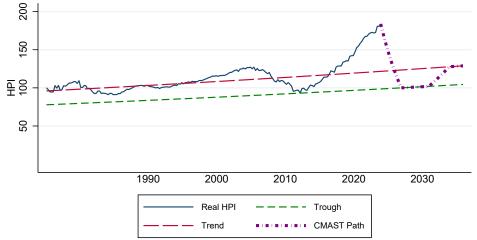


The graph above shows real HPI from Q1 1975 through Q4 2023 for Cleveland-Elyria, OH.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 41.4% form current price levels.

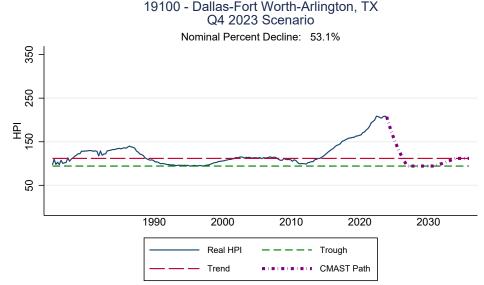
18140 - Columbus, OH Q4 2023 Scenario

Nominal Percent Decline: 43.9%

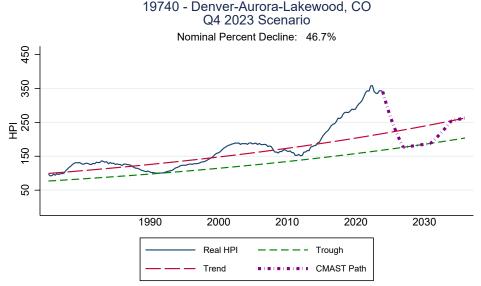


The graph above shows real HPI from Q1 1975 through Q4 2023 for Columbus, OH.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 43.9% from current price levels.



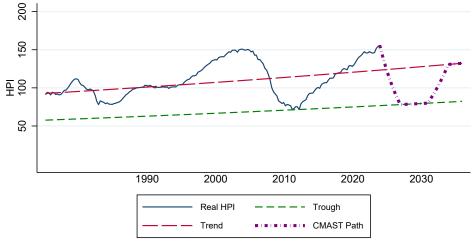
The graph above shows real HPI from Q1 1975 through Q4 2023 for Dallas-Fort Worth-Arlington, TX. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 53.1% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Denver-Aurora-Lakewood, CO. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 46.7% from current price levels.

19820 - Detroit-Warren-Dearborn, MI Q4 2023 Scenario

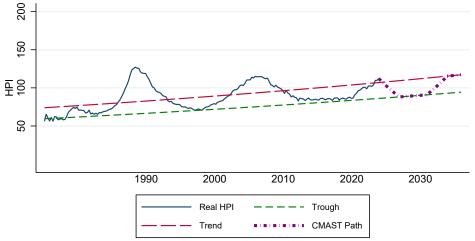
Nominal Percent Decline: 48.4%



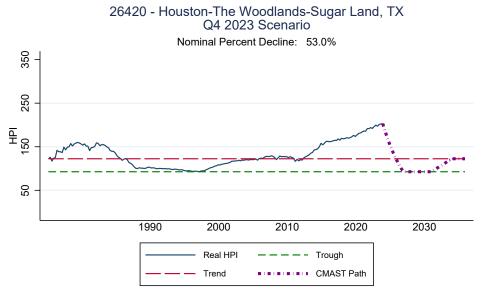
The graph above shows real HPI from Q1 1975 through Q4 2023 for Detroit-Warren-Dearborn, MI. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 48.4% from current price levels.

25540 - Hartford-East Hartford-Middletown, CT Q4 2023 Scenario

Nominal Percent Decline: 19.2%



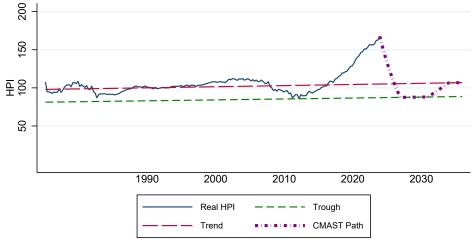
The graph above shows real HPI from Q1 1975 through Q4 2023 for Hartford-East Hartford-Middletown, CT. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 19.2% from current price levels.



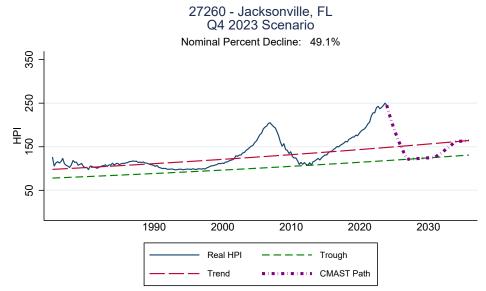
The graph above shows real HPI from Q1 1975 through Q4 2023 for Houston-The Woodlands-Sugar Land, TX. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 53.0% from current price levels.

26900 - Indianapolis-Carmel-Anderson, IN Q4 2023 Scenario

Nominal Percent Decline: 46.2%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Indianapolis-Carmel-Anderson, IN. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 46.2% from current price levels.

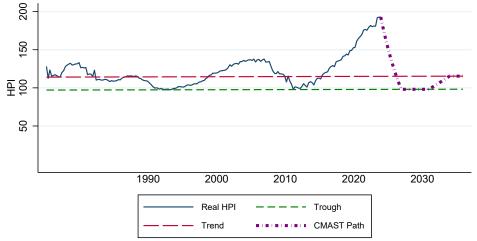


The graph above shows real HPI from Q1 1975 through Q4 2023 for Jacksonville, FL.

The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 49.1% from current price levels.

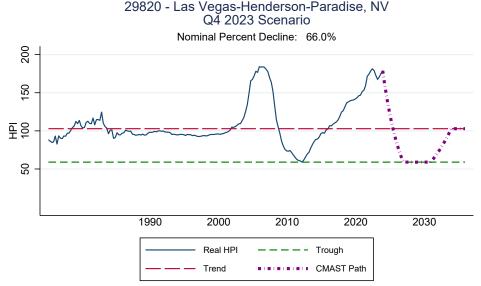
28140 - Kansas City, MO-KS Q4 2023 Scenario

Nominal Percent Decline: 47.6%

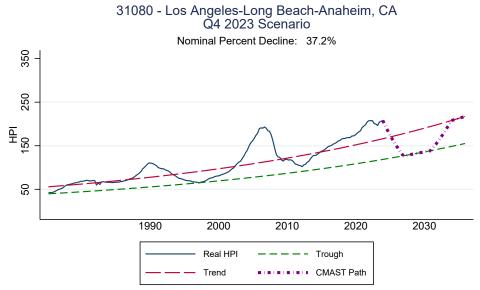


The graph above shows real HPI from Q1 1975 through Q4 2023 for Kansas City, MO-KS.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 47.6% from current price levels.



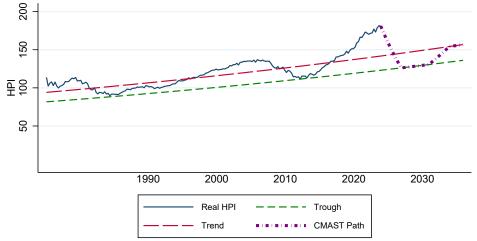
The graph above shows real HPI from Q1 1975 through Q4 2023 for Las Vegas-Henderson-Paradise, NV. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 66.0% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Los Angeles-Long Beach-Anaheim, CA. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of *37.2%* from current price levels.

31140 - Louisville-Jefferson County, KY-IN Q4 2023 Scenario

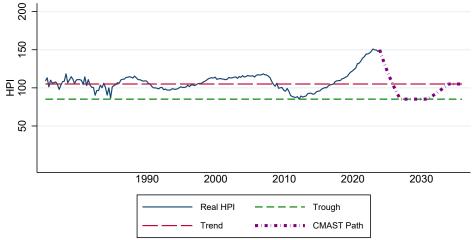
Nominal Percent Decline: 28.2%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Louisville-Jefferson County, KY-IN. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 28.2% from current price levels.

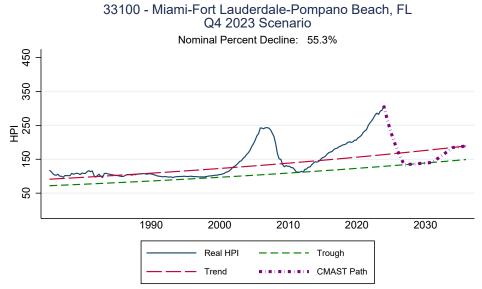
32820 - Memphis, TN-MS-AR Q4 2023 Scenario

Nominal Percent Decline: 41.4%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Memphis, TN-MS-AR.

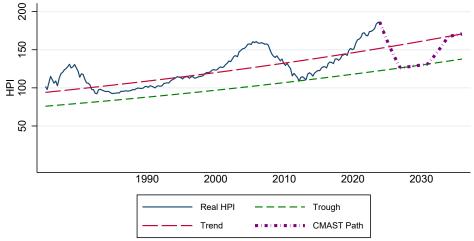
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 41.4% form current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Miami-Fort Lauderdale-Pompano Beach, FL. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 55.3% from current price levels.

33340 - Milwaukee-Waukesha, WI Q4 2023 Scenario

Nominal Percent Decline: 30.3%

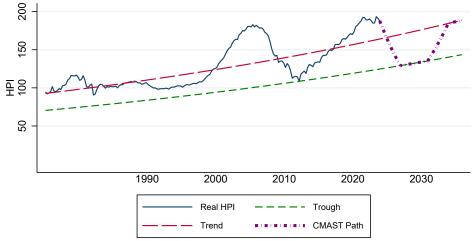


The graph above shows real HPI from Q1 1975 through Q4 2023 for Milwaukee-Waukesha, WI.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 30.3% from current price levels.

33460 - Minneapolis-St. Paul-Bloomington, MN-WI Q4 2023 Scenario

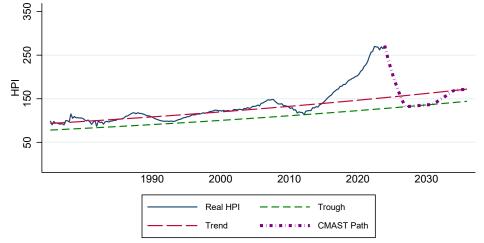
Nominal Percent Decline: 29.2%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Minneapolis-St. Paul-Bloomington, MN-WI. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 29.2% from current price levels.

34980 - Nashville-Davidson--Murfreesboro--Franklin, TN Q4 2023 Scenario

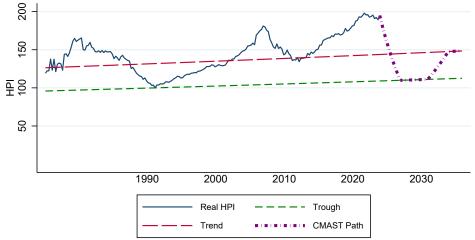
Nominal Percent Decline: 50.1%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Nashville-Davidson--Murfreesboro--Franklin, TN. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 50.1% from current price levels.

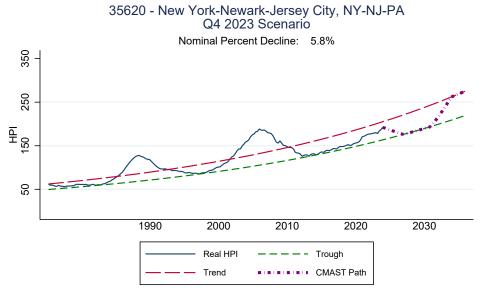
35380 - New Orleans-Metairie, LA Q4 2023 Scenario

Nominal Percent Decline: 41.9%



The graph above shows real HPI from Q1 1975 through Q4 2023 for New Orleans-Metairie, LA.

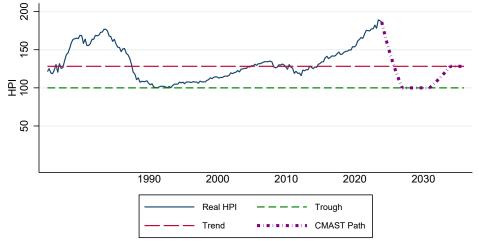
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 41.9% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for New York-Newark-Jersey City, NY-NJ-PA. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 5.8% from current price levels.

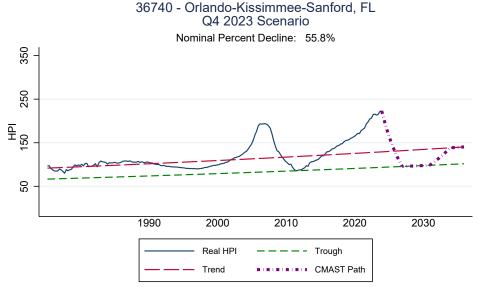
36420 - Oklahoma City, OK Q4 2023 Scenario

Nominal Percent Decline: 44.7%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Oklahoma City, OK.

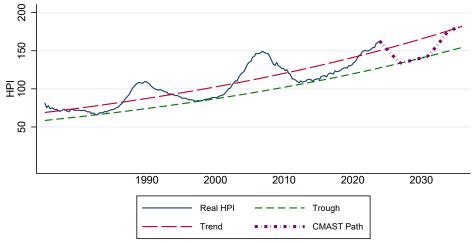
The frend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 44.7% from current price levels.



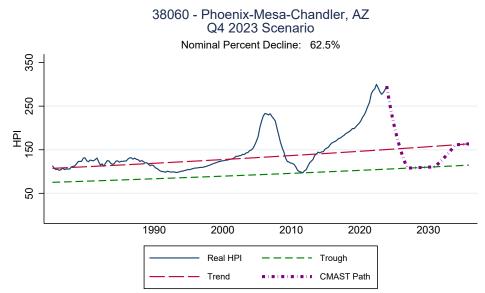
The graph above shows real HPI from Q1 1975 through Q4 2023 for Orlando-Kissimmee-Sanford, FL. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 55.8% from current price levels.

37980 - Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Q4 2023 Scenario

Nominal Percent Decline: 15.5%



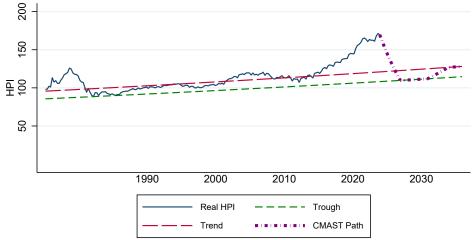
The graph above shows real HPI from Q1 1975 through Q4 2023 for Philadelphia-Camden-Wilmington, PA-NJ-DE-MD. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 15.5% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Phoenix-Mesa-Chandler, AZ. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 62.5% from current price levels.

38300 - Pittsburgh, PA Q4 2023 Scenario

Nominal Percent Decline: 33.4%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Pittsburgh, PA.

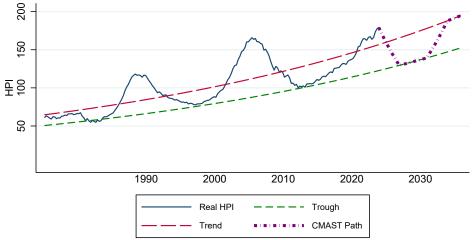
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 33.4% from current price levels.

38900 - Portland-Vancouver-Hillsboro, OR-WA Q4 2023 Scenario Nominal Percent Decline: 26.9% 450 350 HPI 250 150 50 1990 2000 2010 2020 2030 Real HPI Trough CMAST Path Trend

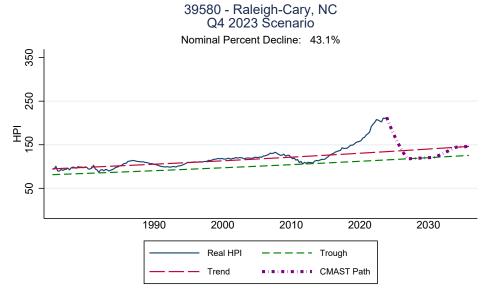
The graph above shows real HPI from Q1 1975 through Q4 2023 for Portland-Vancouver-Hillsboro, OR-WA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 26.9% from current price levels.

39300 - Providence-Warwick, RI-MA Q4 2023 Scenario

Nominal Percent Decline: 25.6%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Providence-Warwick, RI-MA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 25.6% from current price levels.

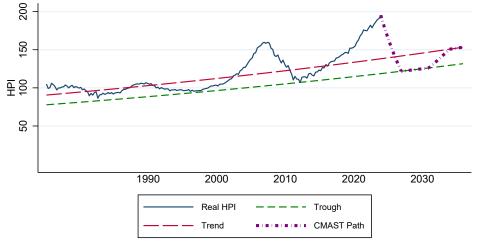


The graph above shows real HPI from Q1 1975 through Q4 2023 for Raleigh-Cary, NC.

The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 43.1% form current price levels.

40060 - Richmond, VA Q4 2023 Scenario

Nominal Percent Decline: 35.7%

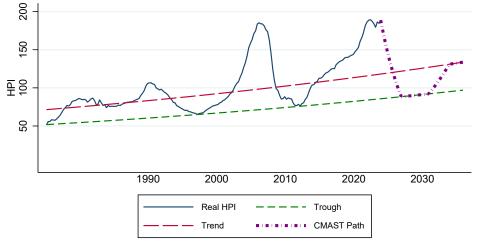


The graph above shows real HPI from Q1 1975 through Q4 2023 for Richmond, VA.

The frend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 35.7% from current price levels.

40140 - Riverside-San Bernardino-Ontario, CA Q4 2023 Scenario

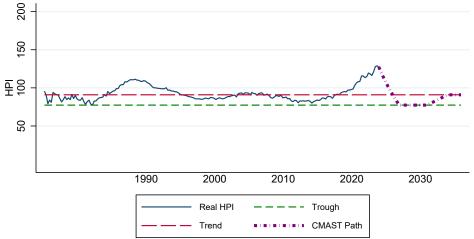
Nominal Percent Decline: 51.7%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Riverside-San Bernardino-Ontario, CA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 51.7% from current price levels.

40380 - Rochester, NY Q4 2023 Scenario

Nominal Percent Decline: 37.5%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Rochester, NY.

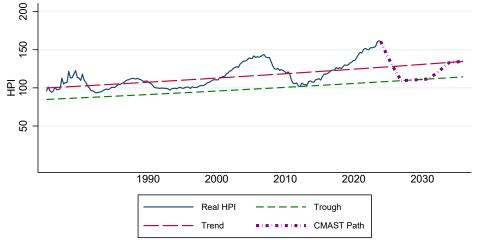
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 37.5% from current price levels.

40900 - Sacramento-Roseville-Folsom, CA Q4 2023 Scenario Nominal Percent Decline: 43.1% 200 150 ₫₿ 50 1990 2000 2010 2020 2030 Real HPI Trough Trend CMAST Path

The graph above shows real HPI from Q1 1975 through Q4 2023 for Sacramento-Roseville-Folsom, CA. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 43.1% from current price levels.

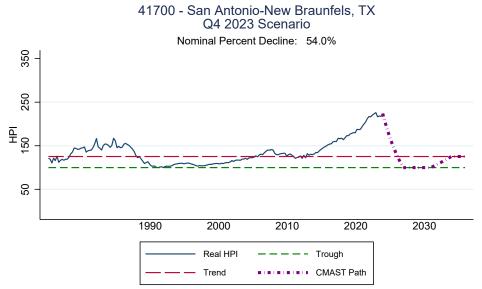
41180 - St. Louis, MO-IL Q4 2023 Scenario

Nominal Percent Decline: 29.9%

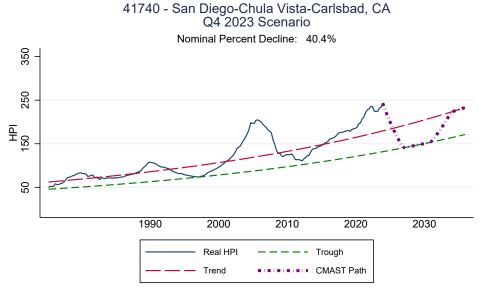


The graph above shows real HPI from Q1 1975 through Q4 2023 for St. Louis, MO-IL.

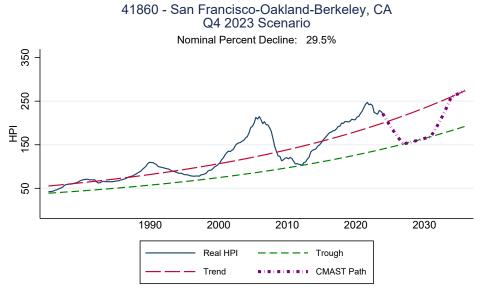
The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path beginning in Q1 2024. The CMAST path is associated with a nominal price decline of 22.9% from current price levels.



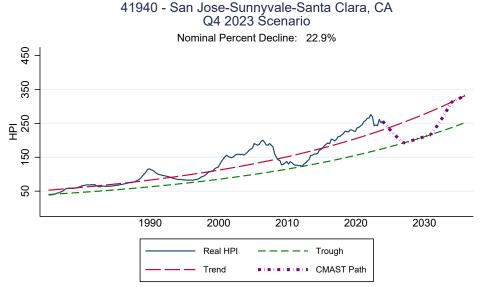
The graph above shows real HPI from Q1 1975 through Q4 2023 for San Antonio-New Braunfels, TX. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 54.0% from current price levels.



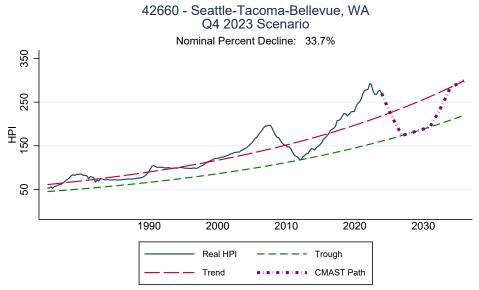
The graph above shows real HPI from Q1 1975 through Q4 2023 for San Diego-Chula Vista-Carlsbad, CA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 40.4% from current price levels.



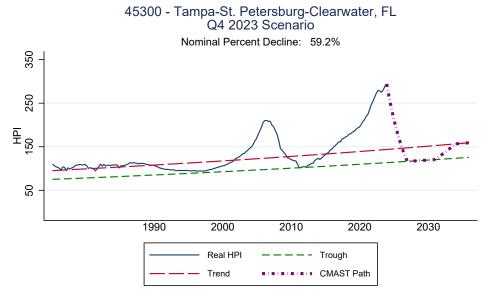
The graph above shows real HPI from Q1 1975 through Q4 2023 for San Francisco-Oakland-Berkeley, CA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 29.5% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for San Jose-Sunnyvale-Santa Clara, CA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 22.9% from current price levels.



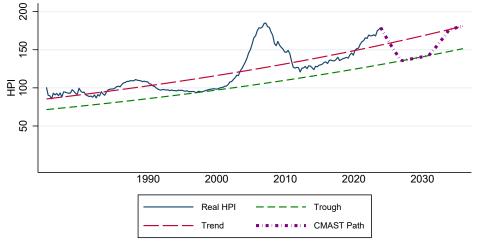
The graph above shows real HPI from Q1 1975 through Q4 2023 for Seattle-Tacoma-Bellevue, WA. The trend line represents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 33.7% from current price levels.



The graph above shows real HPI from Q1 1975 through Q4 2023 for Tampa-St. Petersburg-Clearwater, FL. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 59.2% from current price levels.

47260 - Virginia Beach-Norfolk-Newport News, VA-NC Q4 2023 Scenario

Nominal Percent Decline: 22.1%



The graph above shows real HPI from Q1 1975 through Q4 2023 for Virginia Beach-Norfolk-Newport News, VA-NC. The trend line reprents a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 22.1% from current price levels.

47900 - Washington-Arlington-Alexandria, DC-VA-MD-WV Q4 2023 Scenario Nominal Percent Decline: 16.1% 350 250 150⁻¹ 50 1990 2000 2010 2020 2030 Real HPI Trough Trend CMAST Path

The graph above shows real HPI from Q1 1975 through Q4 2023 for Washington-Arlington-Alexandria, DC-VA-MD-WV. The trend line represts a long-run smoothed price path. The trough line represents the lowest prices have historically fallen below trend. The CMAST path represents a forward stress price path begining in Q1 2024. The CMAST path is associated with a nominal price decline of 16.1% from current price levels.