

Sonoma Clean Power

Board of Directors Regular Meeting June 4, 2020

Economic Forensics and Analytics

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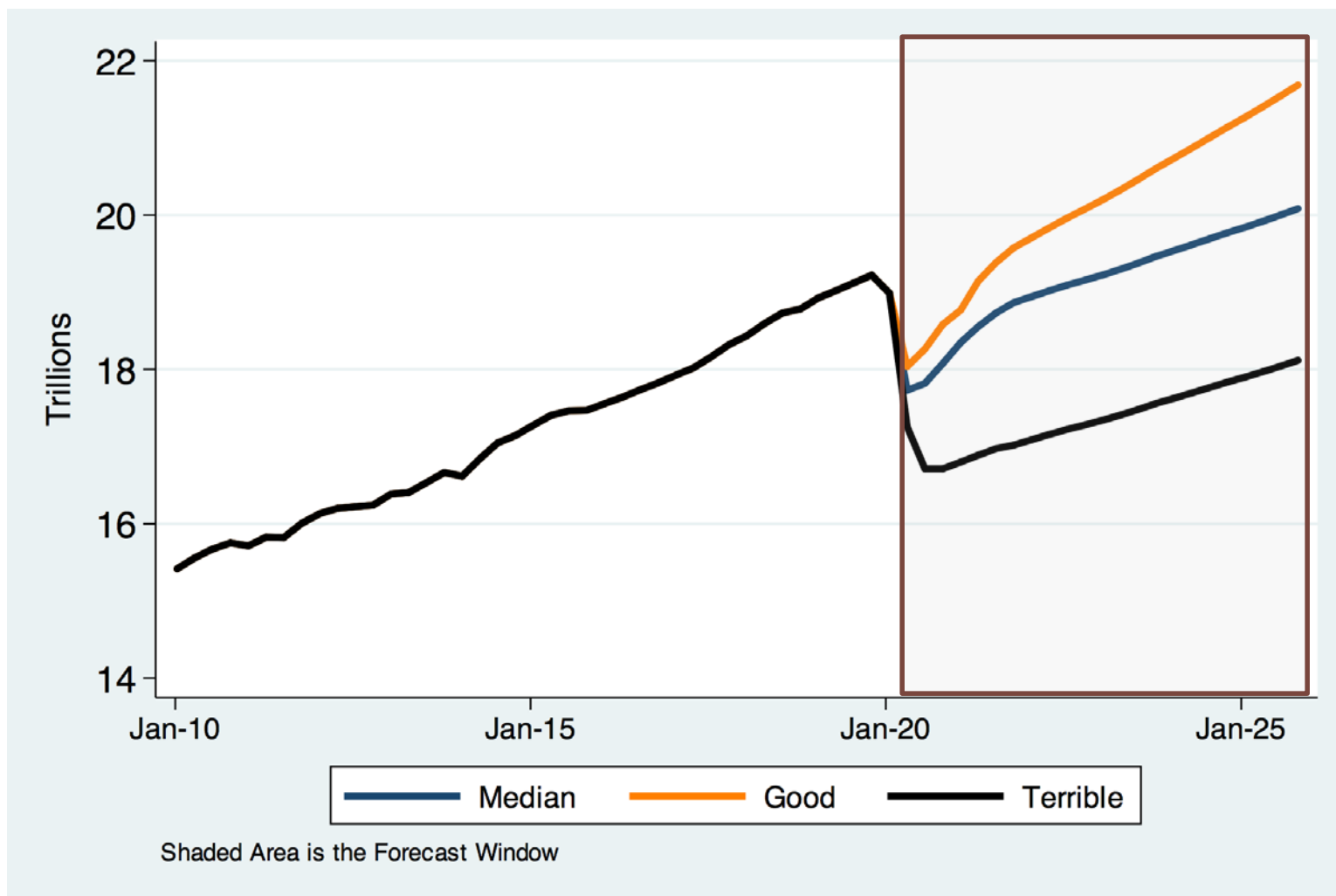
National Economic Education Delegation

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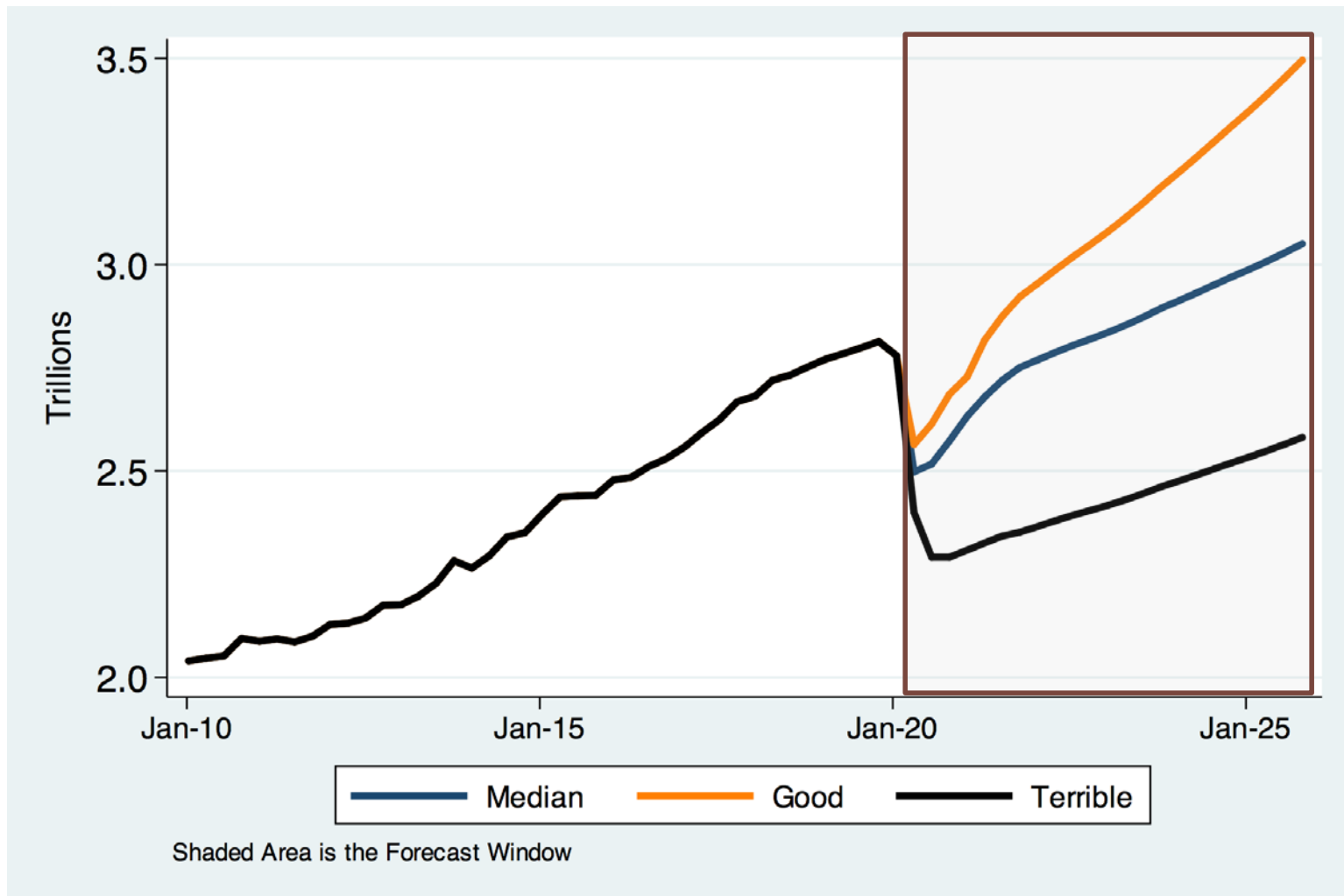
Overview

- Forecast to 2025, with emphasis on 2020-2021 for:
 - US Gross Domestic Product (GDP), California Gross State Product (GSP), California Personal Income (PI), all in 2012 dollars.
 - California, Sonoma County, Mendocino County Employment
 - Establishments to Small and Large Commercial Meters
 - Occupied Housing Units in Sonoma and Mendocino counties
 - Permits, Sonoma and Mendocino counties
 - Electric Vehicles, California
 - Delinquencies in California (data not available at county level)
 - **SCP area when applicable = Sonoma and Mendocino counties less Healdsburg and Ukiah**
- Assuming history is a guide, as are the connections of national to state to county economies.

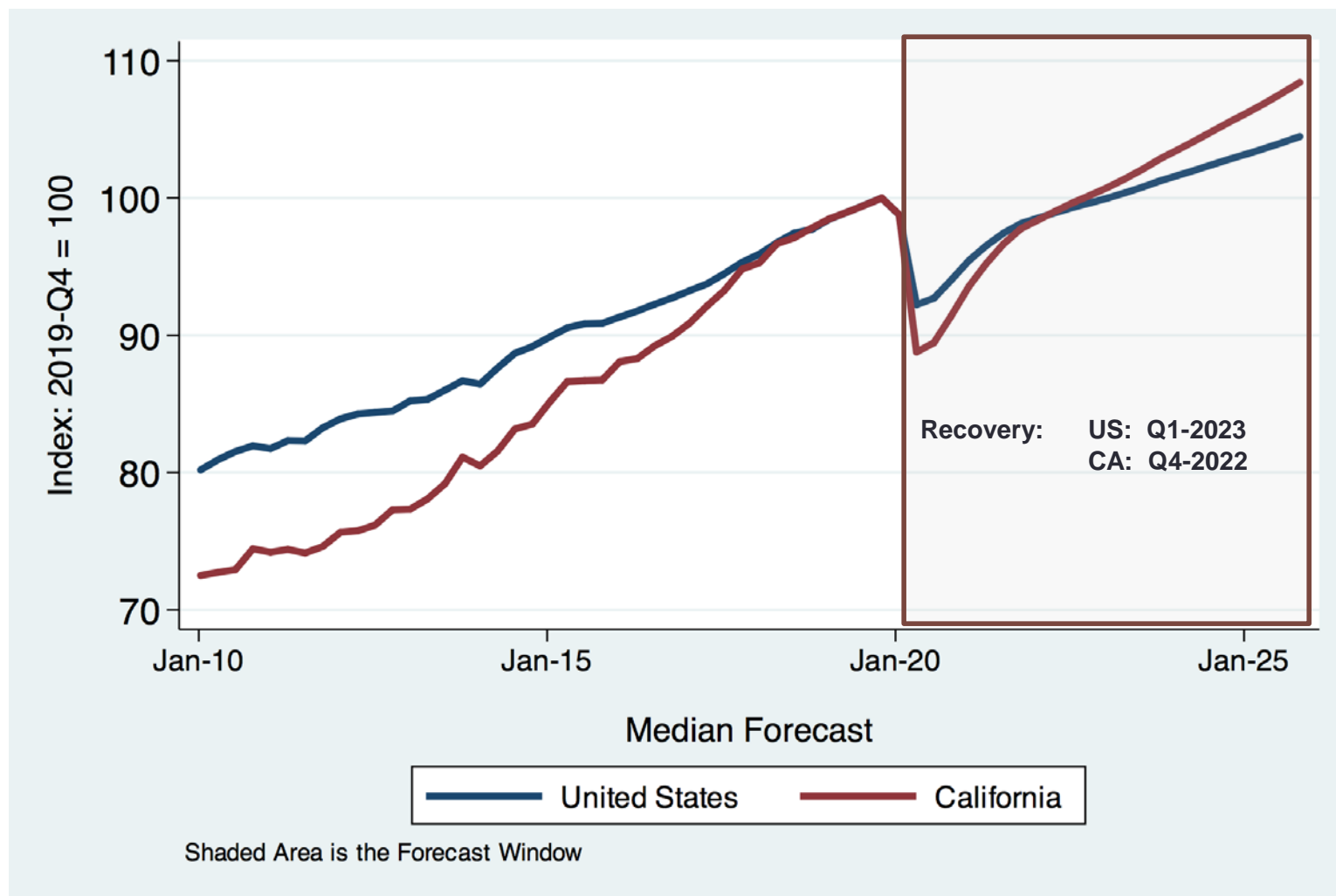
GDP: United States



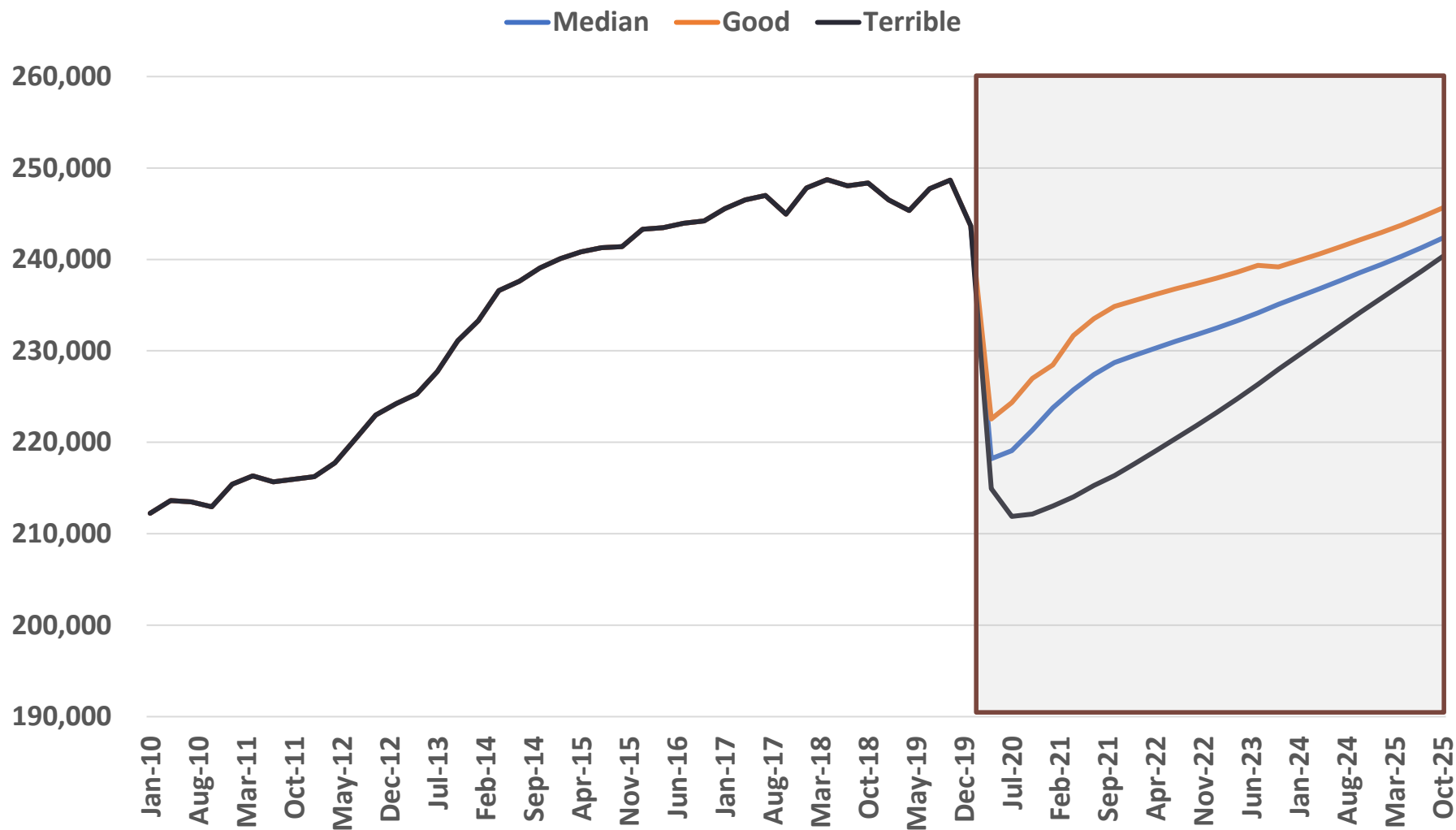
GDP: California



GDP: Comparing Median Forecasts

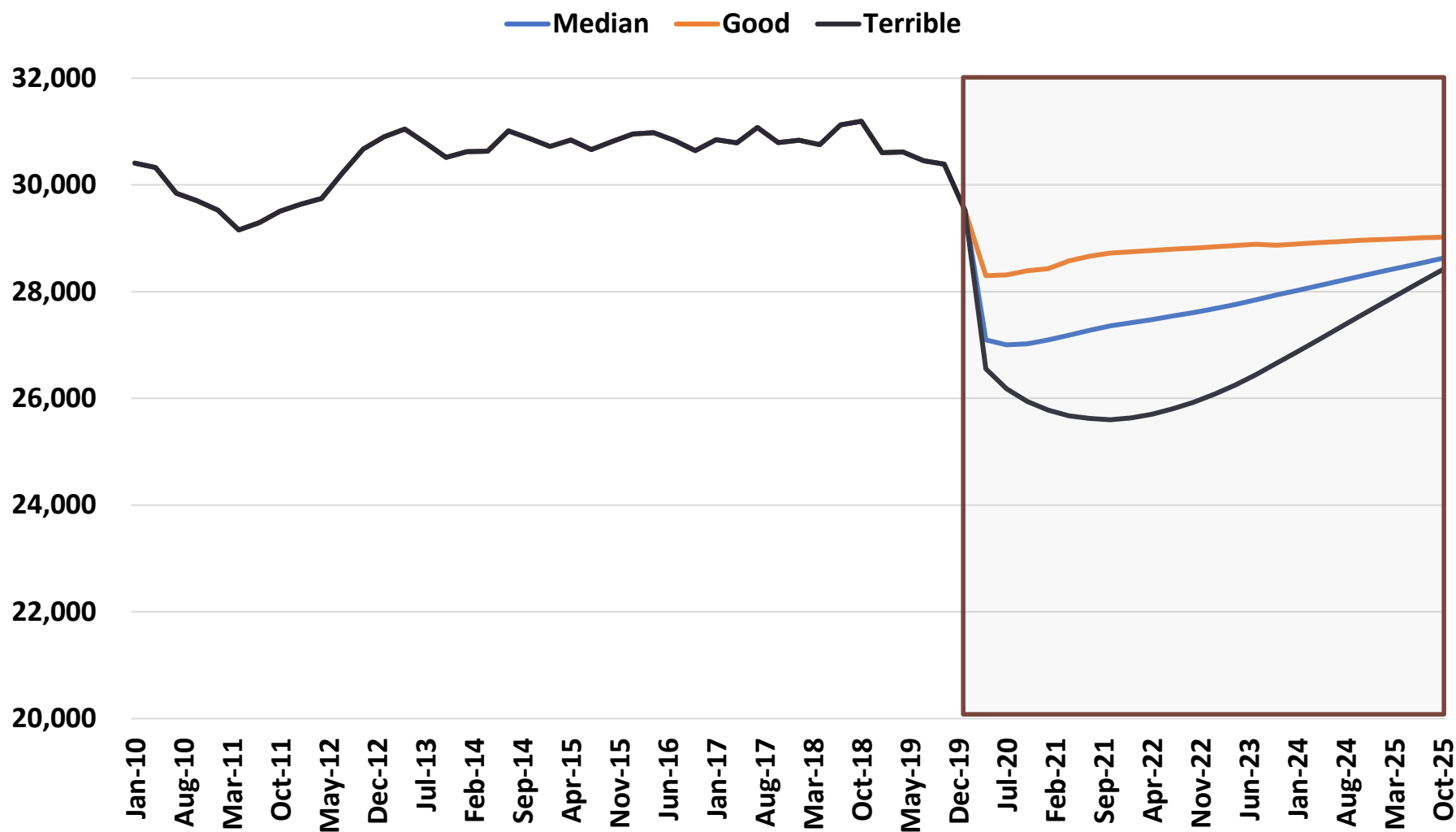


Employment: Sonoma County



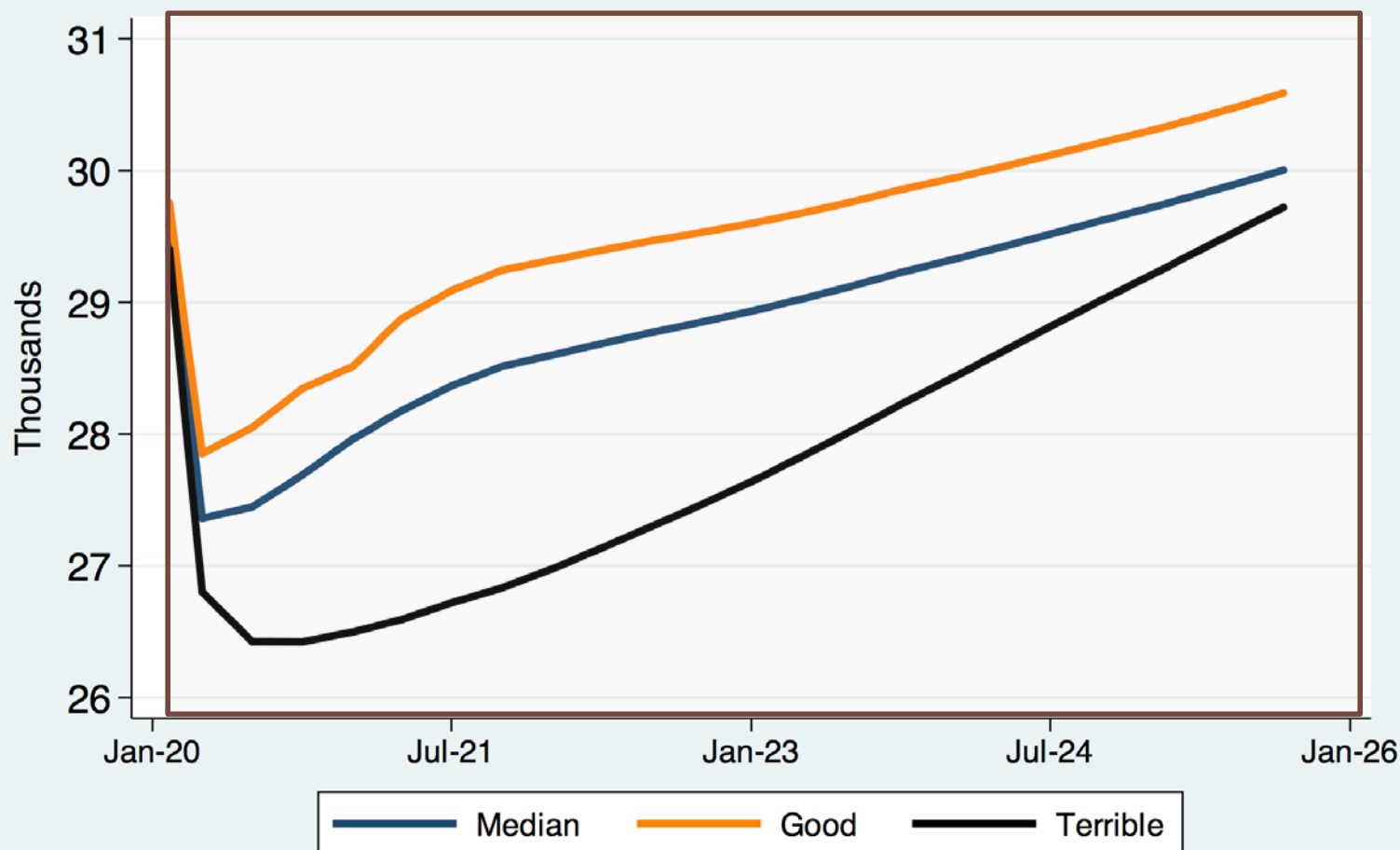
Note: Shaded Area Forecast Window

Employment: Mendocino County



Note: Shaded Area Forecast Window

Forecast: Establishments SCP

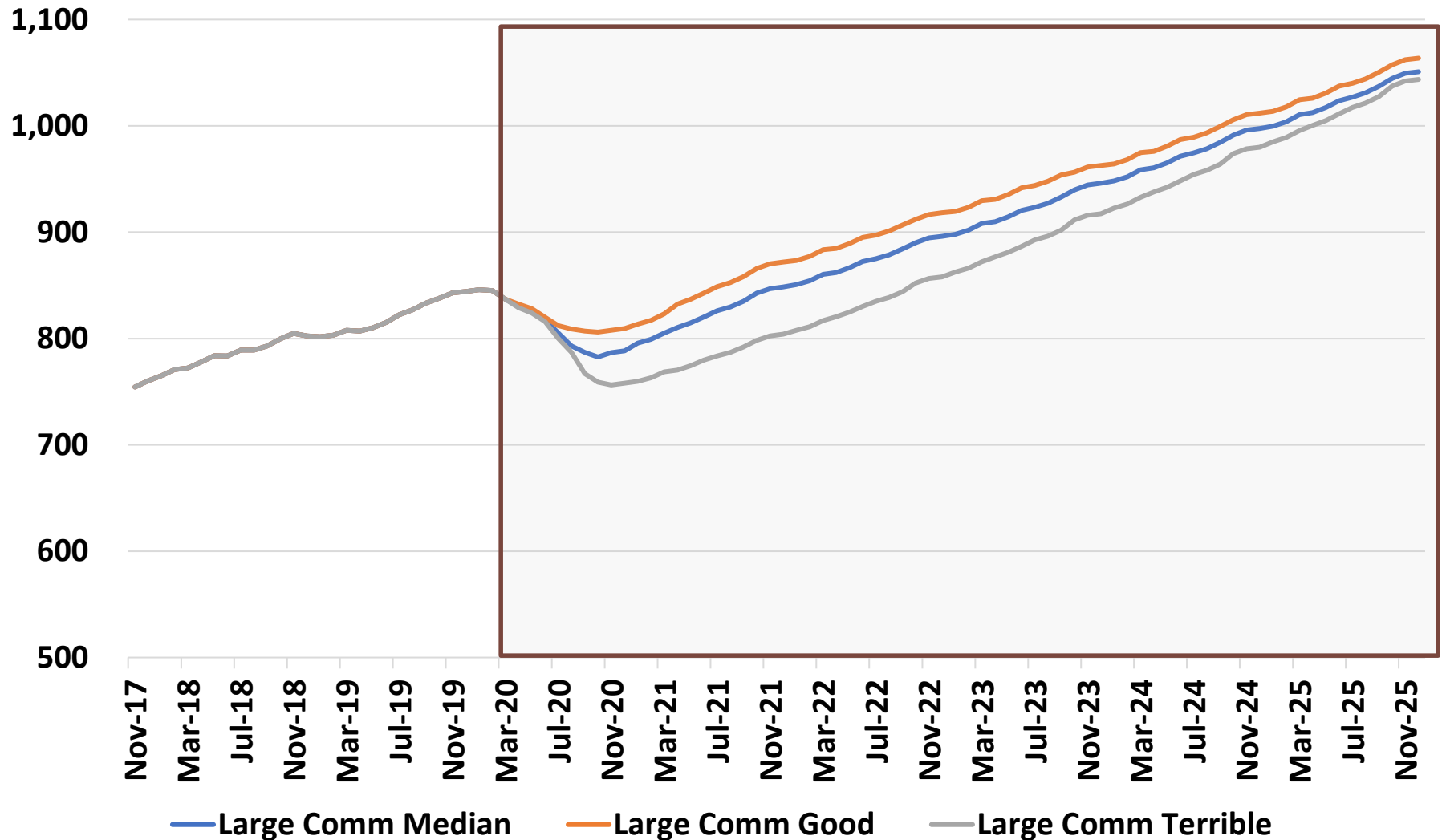


Shaded Area is the Forecast Window

Vulnerability

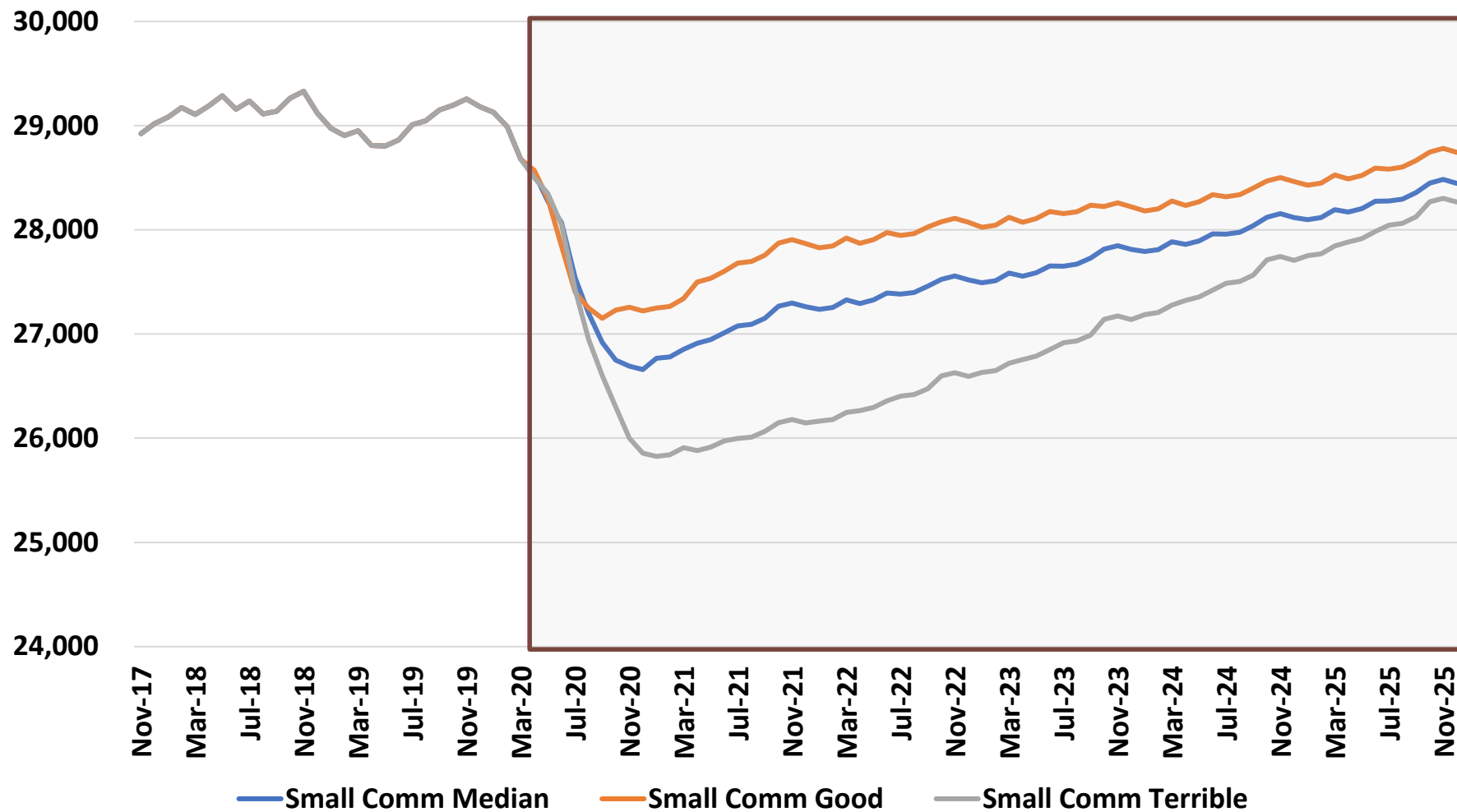
NAICS-2 Code	Vulnerable (%)	Industry Sector
11	30	Agriculture, Forestry, Fishing and Hunting
21	30	Mining
22	30	Utilities
23	50	Construction
31-33	50	Manufacturing
42	40	Wholesale Trade
44-45	70	Retail Trade
48-49	35	Transportation and Warehousing
51	20	Information
52	30	Finance and Insurance
53	50	Real Estate and Rental and Leasing
54	40	Professional, Scientific, and Technical Services
55	0	Management of Companies and Enterprises
56	60	Admin, Support, and Waste Services
61	60	Educational Services
62	20	Health Care and Social Assistance
71	70	Arts, Entertainment, and Recreation
72	70	Accommodation and Food Services
81	50	Other Services (except Public Administration)
92	35	Public Administration
99	40	Other

Forecast: Large Comm Meters to 2025



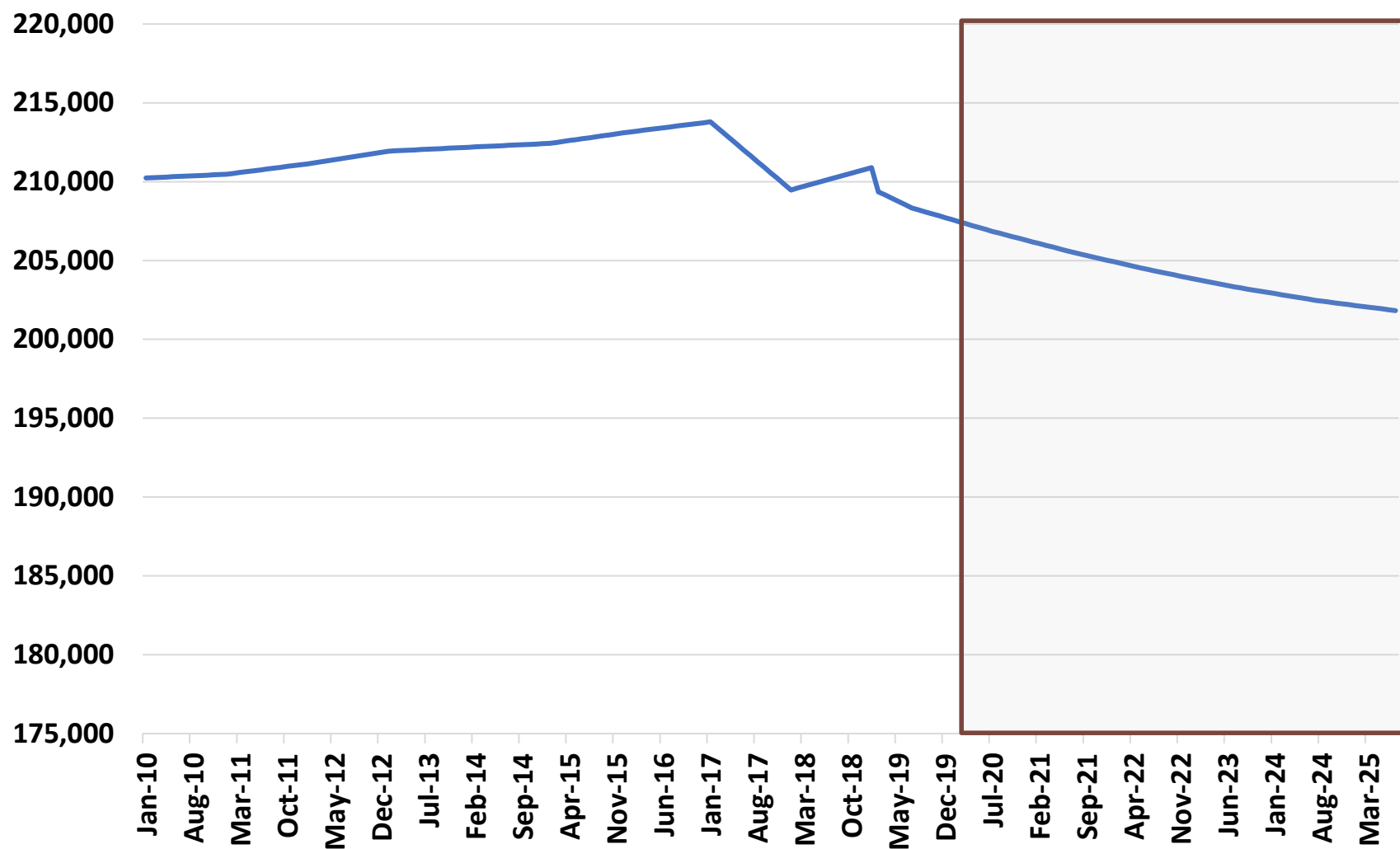
Note: Shaded Area Forecast Window

Forecast: Small Comm Meters to 2025



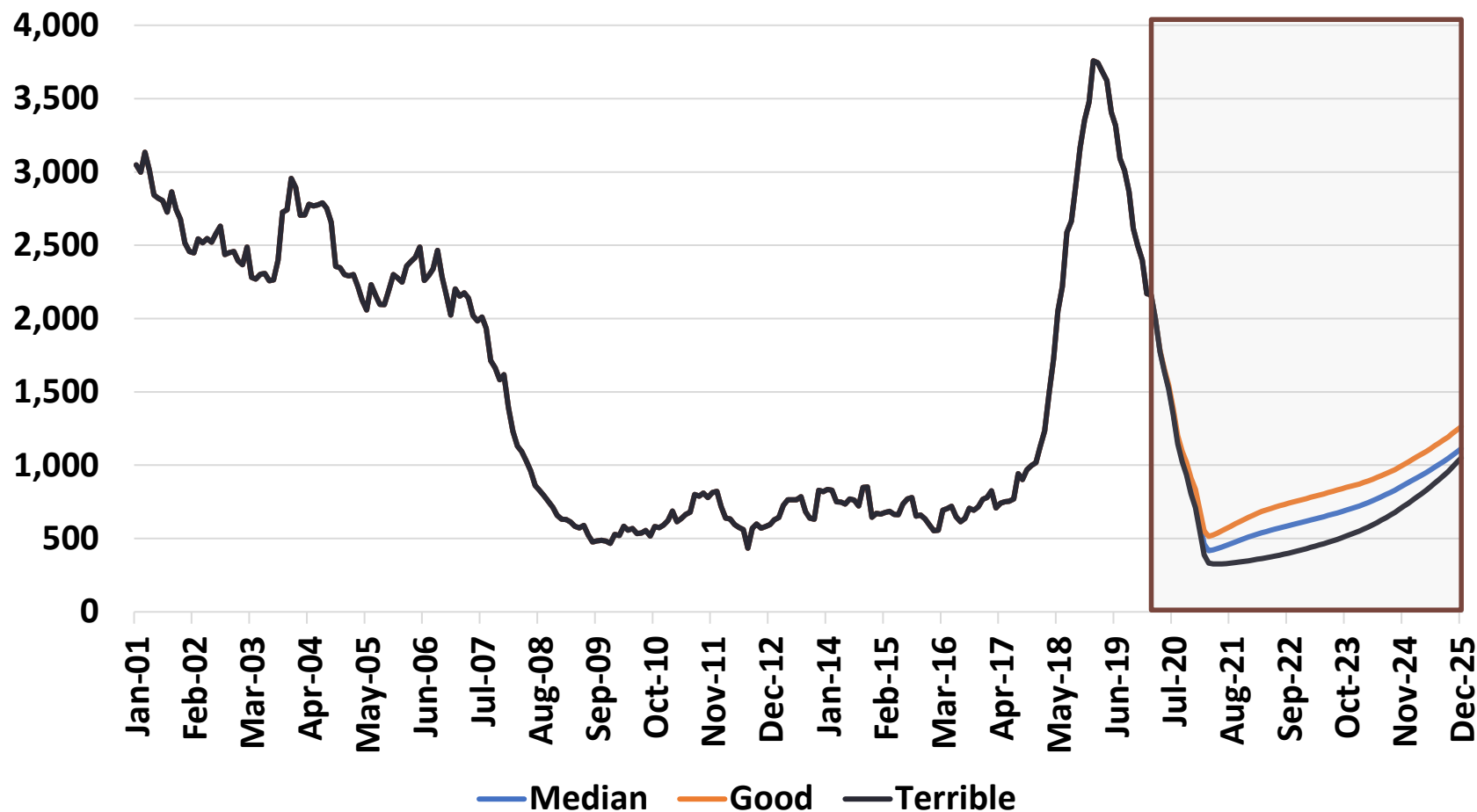
Note: Shaded Area Forecast Window

Occupied Housing Units



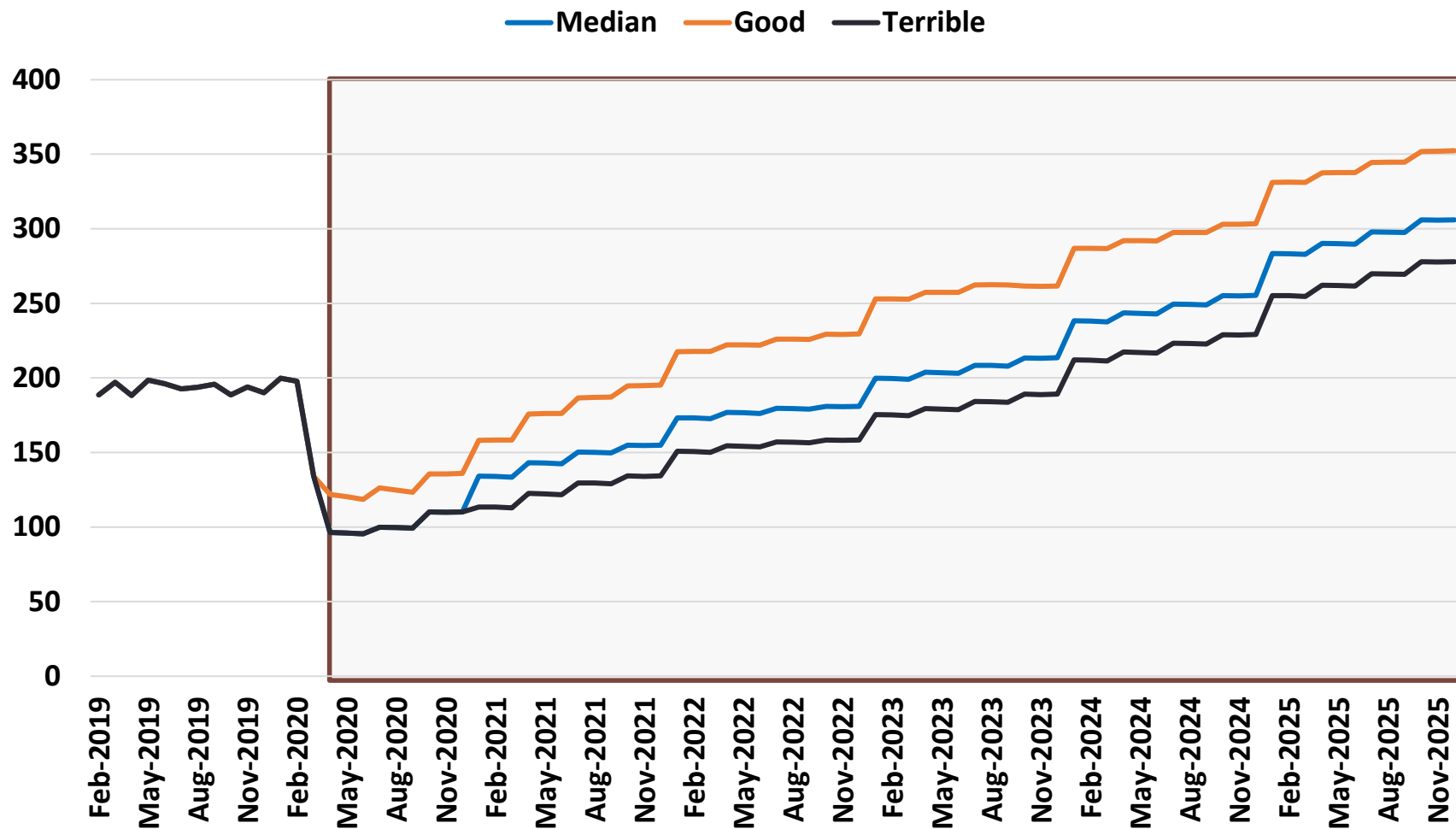
Permits, 12-month Run Rate

SCP Area Forecasts: Permits



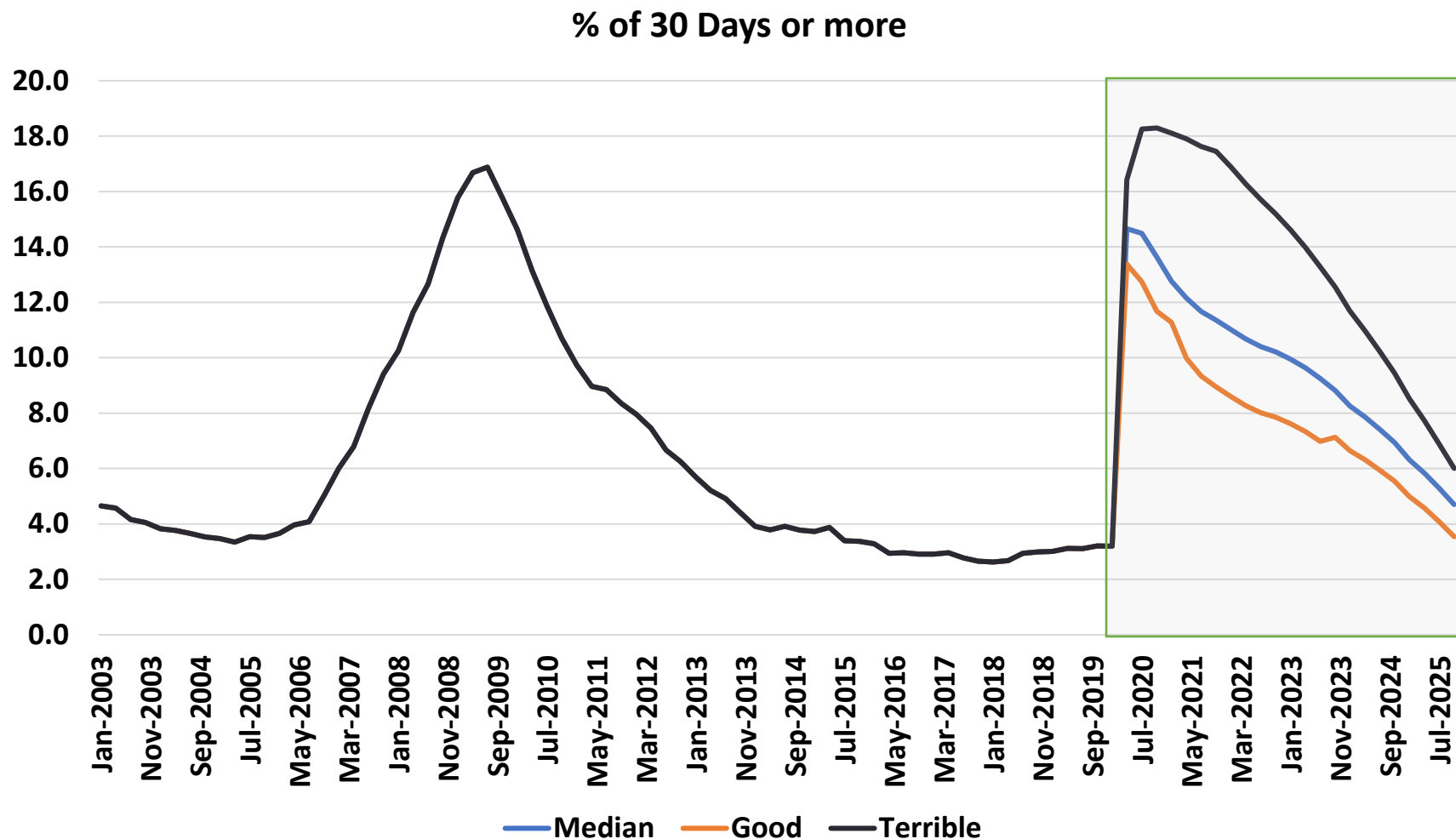
Note: Shaded Area Forecast Window

EV Sales CA, Thousands of Units, 12-month Run Rate



Note: Shaded Area Forecast Window

% Transition to 30 Days or more on Household Debt, Quarterly



Note: Shaded Area Forecast Window

Summary

- **Economic forecasts:** Good, Median, Terrible
 - Median forecast:
 - Recovery of **large** commercial meters in late 2021.
 - Recovery of **small** commercial meters – outside of our forecast window.
- **Occupied units** forecast: based on CA-DOF
 - Continuous trend downward.
- **Permits**
 - Back to 2009-2016 levels by late 2023.
- **EV Sales**
 - Trending upward throughout forecast window.
 - Recovery by early 2023.
- **Delinquencies**
 - Close to recovery of 2018/19 levels by 2025.

Thanks!
Questions?

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