

Manufacturing Deep Dive NIA Naples

Chris Kuehl, Managing Director

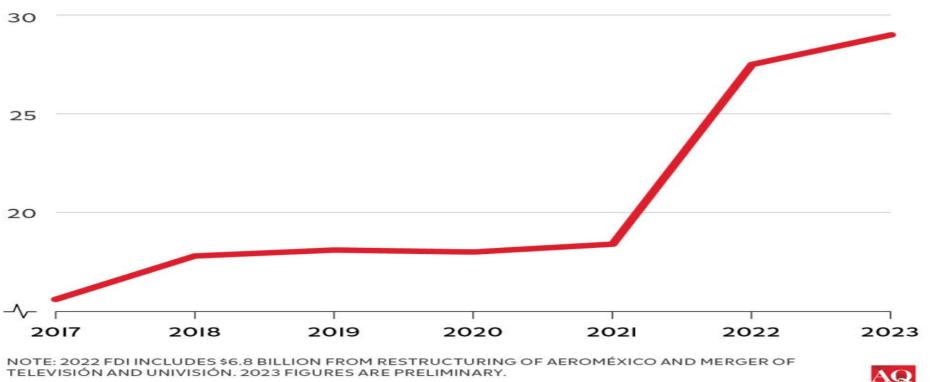
If all the economists were laid end to end, they'd never reach a conclusion. **George Bernard Shaw BrainyQuote**





FDI in Mexico soars

FOREIGN DIRECT INVESTMENT (BILLIONS USD), FIRST SEMESTER



SOURCE: SECRETARÍA DE ECONOMÍA DE MÉXICO (AUGUST 2023)

Chart 4: US importing more from Mexico than China for first time since 2003

China and Mexico as % of US imports (12-month moving average)





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Mexico Makes History – Xochitl Galvez or Claudia Scheinbaum





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Global Manufacturing Still Sluggish

- Preliminary data shows 15 countries had manufacturing sectors in contraction in March.
- Europe still in recession (Germany in deep trouble).
- Asia is reeling from lack of demand in NA and Europe but was showing signs of recovery in March.
- India is still booming because of shifting sourcing patterns.
- Canada in slight contraction; United States and Mexico expanding at a more solid rate for now.
- Raw material demand and the impact of the Red Sea are big questions; some input costs were rising across all but European sectors. New order activity was good, and destocking trends were slowing.

	Manufacturing						Serv	ices		
	Tra	de with		Latest	Prior			Latest	Prior	
Country PMI		US	Current	Month	Month	M/M	Current	Month	Month	M/M
	(in k	oillions)	Month	PMI	PMI	Change	Month	PMI	PMI	Change
US			Mar	51.9	52.2	-0.3	Mar	51.7	52.3	-0.6
Global PMI	\$	4,700	Mar	50.6	50.3	0.3	Mar	52.5	52.4	0.1
Canada	\$	665	Mar	49.8	49.7	0.1	Mar	46.4	46.6	-0.2
Mexico	\$	661	Mar	52.2	52.3	-0.1				
China	\$	655	Mar	51.1	50.9	0.2	Mar	52.7	52.5	0.
Eurozone PMI	\$	632	Mar	46.1	46.5	-0.4	Mar	50.3	49.2	1.
ASEAN	\$	369	Mar	51.5	50.4	1.1				
Japan	\$	210	Mar	48.2	47.2	1.0	Mar	54.1	52.9	1.
Germany	\$	201	Mar	41.9	42.5	-0.6	Mar	50.1	48.3	1.
South Korea	\$	161	Mar	49.8	50.7	-0.9				
UK	\$	118	Mar	50.3	47.5	2.8	Mar	53.1	53.8	-0.
Taiwan	\$	114	Mar	49.3	48.6	0.7				
India	\$	113	Mar	59.1	56.9	2.2	Mar	61.2	60.6	0.
Vietnam	\$	113	Mar	49.9	50.4	-0.5				
Netherlands	\$	88	Mar	49.7	49.3	0.4				
Ireland	\$	88	Mar	49.6	52.2	-2.6	Mar	56.6	54.4	2.
Switzerland	\$	87	Mar	45.2	44.0	1.2				
Italy	\$	83	Mar	50.4	48.7	1.7	Mar	54.6	52.2	2.
France	\$	80	Mar	46.2	47.1	-0.9	Mar	48.3	48.4	-0.
Brazil	\$	78	Mar	53.6	54.1	-0.5	Mar	54.8	54.6	0.
Singapore	\$	65	Mar	55.7	56.8	-1.1				
Thailand	\$	60	Mar	49.1	45.3	3.8				
Australia	\$	39	Mar	47.3	47.8	-0.5	Mar	54.4	53.1	1.
Indonesia	\$	37	Mar	54.2	52.7	1.5				
Russia	\$	36	Mar	55.7	54.7	1.0	Mar	51.4	51.1	0.
Spain	\$	35	Mar	51.4	51.5	-0.1	Mar	56.1	54.7	1.
Hong Kong	\$	34	Feb	49.7	49.9	-0.2				
Philippines	\$	23	Mar	50.9	51.0	-0.1				
Poland	\$	11	Mar	48.0	47.9	0.1				
Greece	Ś	3	Mar	56.9	55.7	1.2				

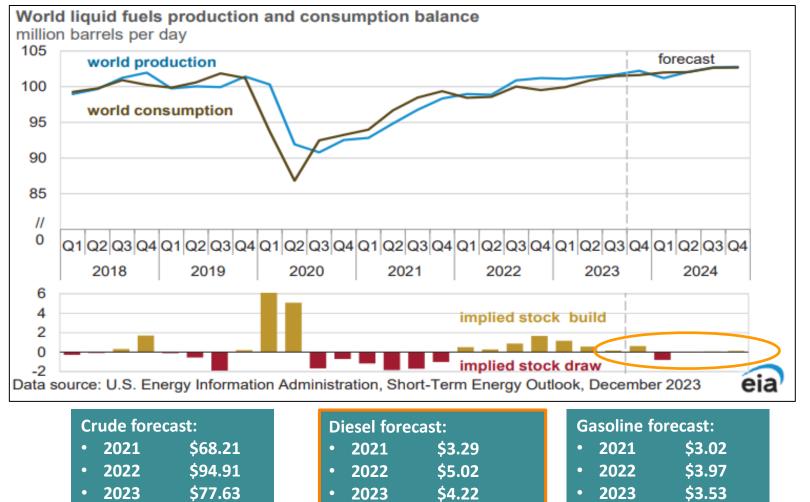
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Oil and Gasoline – Fairly Balanced for 2024

- Fairly balanced outlook through 2024
 - Anecdotal evidence suggests that many new wells have been built and are ready for production – but are shut-in and waiting on demand to resurface before starting production.
- The United States may have officially hit a "dynamic production" zone in which production can quickly keep pace with demand. That could lead to oil prices hovering in the \$70 range in perpetuity.



2024

\$3.95

Source: EIA; Baker Hughes; Conoco-Philips

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\$78.07

2024

\$3.36

• 2024

United States Production Touching New All-Time Highs at 13.31M BPD



- Prior record was 13M BPD in Nov of 2019.
- Significant shut-in capacity is ready and could be tapped at any time. Again, oil prices remaining in the \$70-\$80 per barrel range is optimum for producers.
- SPR inventories still at 1980s lows. Officials state that it can only be refilled at a specific rate because of limitations on storage facilities.

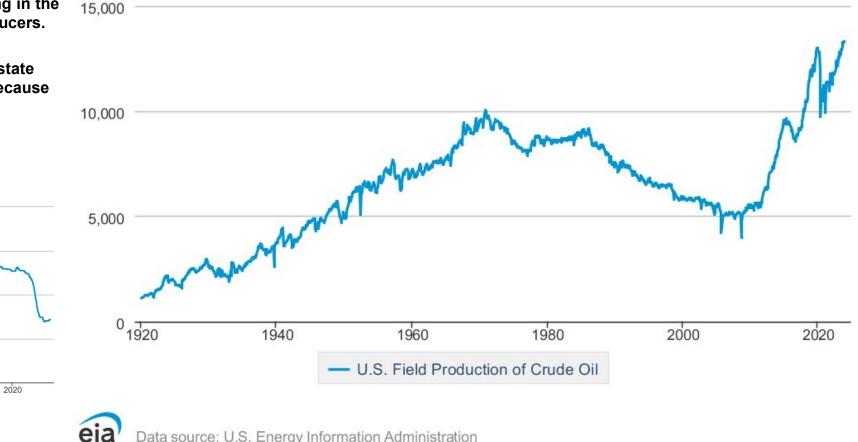
2000

- Weekly U.S. Ending Stocks of Crude Oil in SPR

2010

U.S. Field Production of Crude Oil

Thousand Barrels per Day



Data source: U.S. Energy Information Administration

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Weekly U.S. Ending Stocks of Crude Oil in SPR

1990

Data source: U.S. Energy Information Administration

Thousand Barrels 1,000,000

750,000

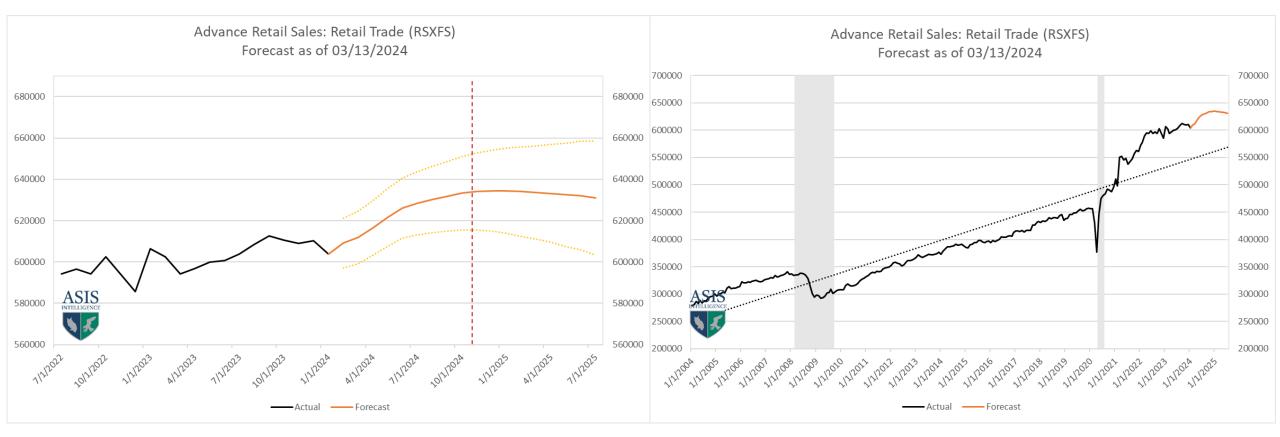
500,000

250.000

eia

Forecast Growth: Retail Spending (Consumer Spending) Forecast from The Watch





				1 mo	3 mo
			TRUCK D11	94.72%	93.70%
		_	RAILFRTCARLOADSD11	98.88%	99.75%
			RSXFS	98.68%	97.89%
8 Chris.kuehl@armadaci.com Kprather@armadaci.com	www.armada-intel.com		PNRESCONS	94.40%	93.99%

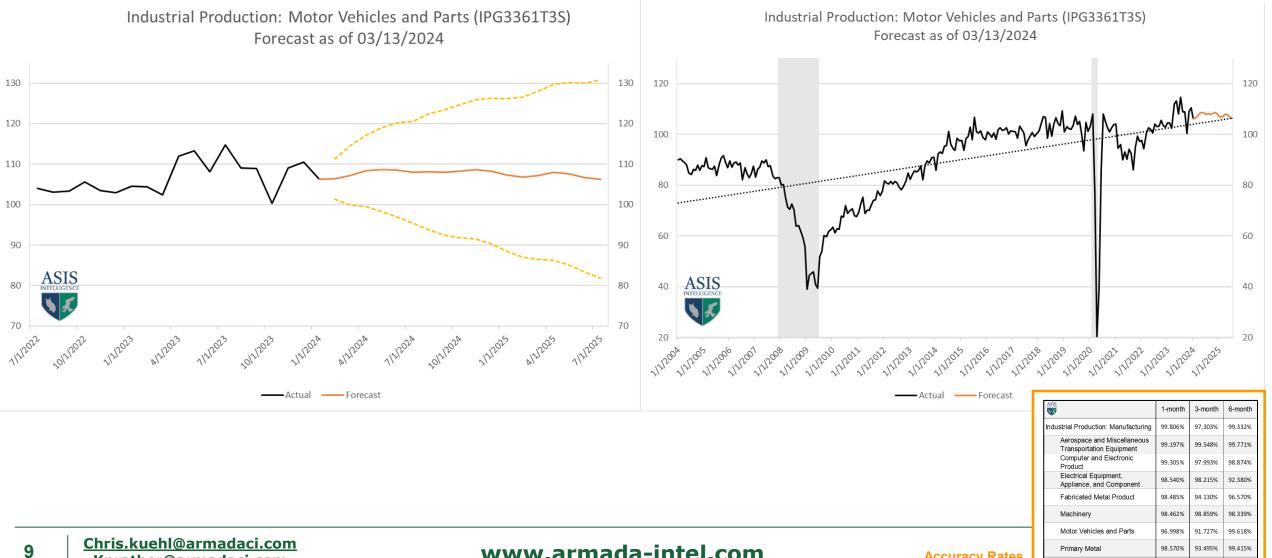
Automotive Production Forecast from The Watch



98.670%

98.037%

96.409%



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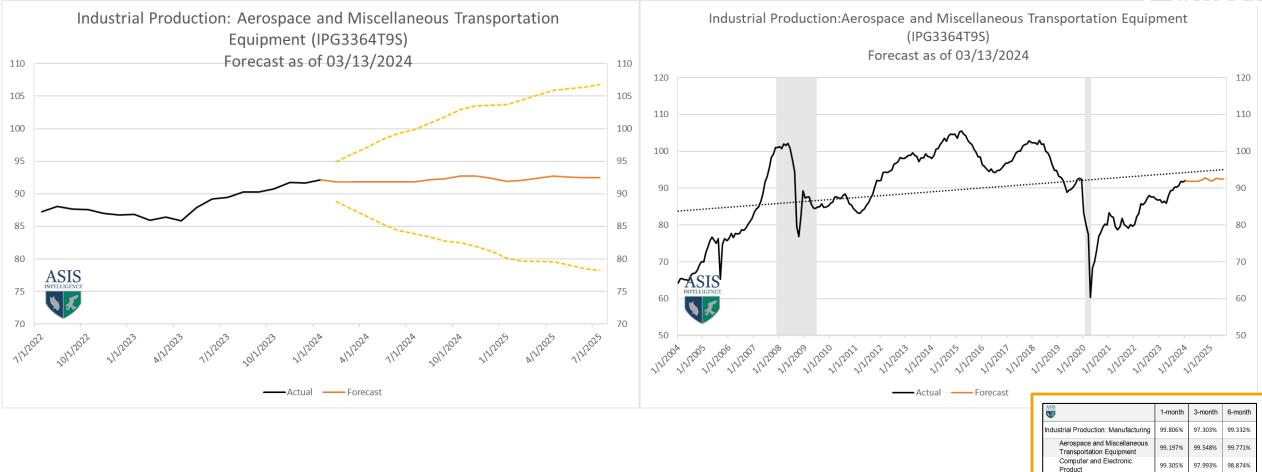
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Accuracy Rates

Average

Aerospace Production Forecast from The Watch





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Accuracy Rates

Electrical Equipment,

Machinery

Primary Metal

Average

Appliance, and Component Fabricated Metal Product

Motor Vehicles and Parts

98 540%

98.485%

98.462%

96.998%

98.570%

98.670%

92 380%

96.570%

98.339%

99.618%

99.415%

98.037%

98.215%

94.130%

98.859%

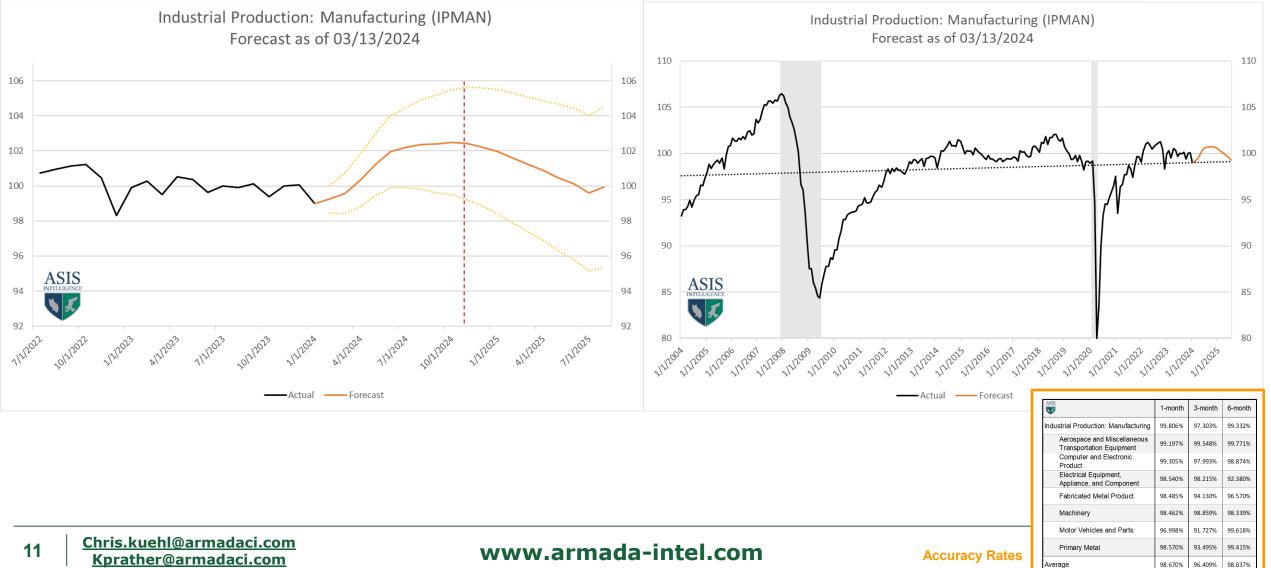
91.727%

93.495%

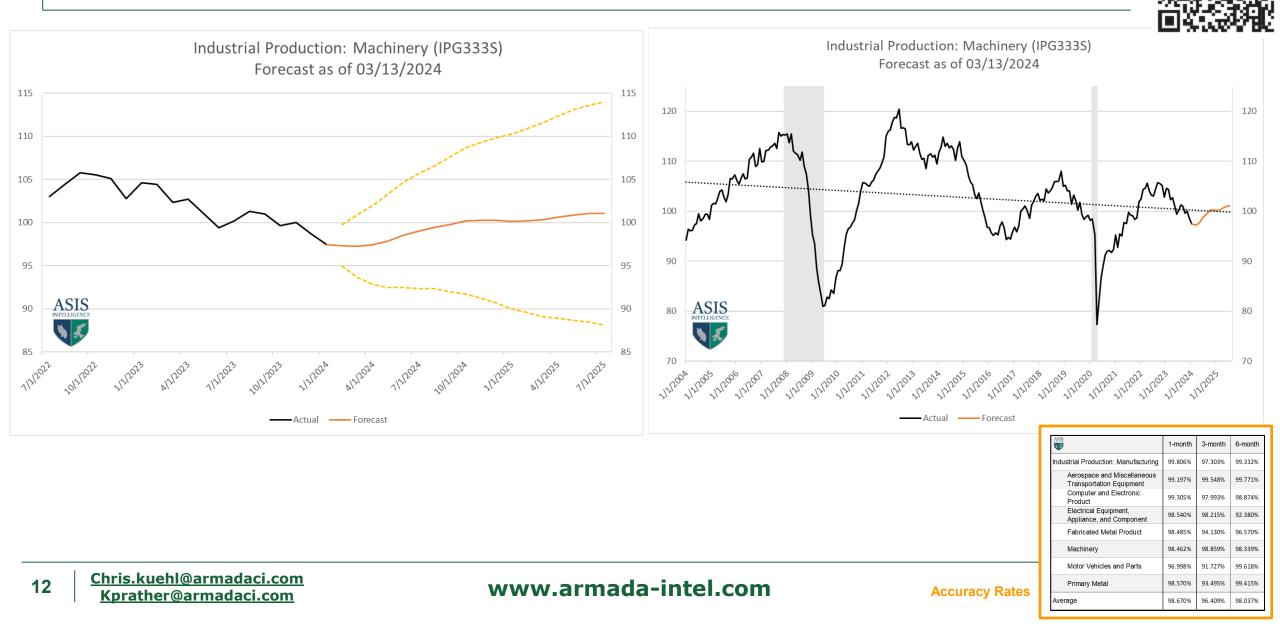
96.409%

Broad Manufacturing Forecast from The Watch



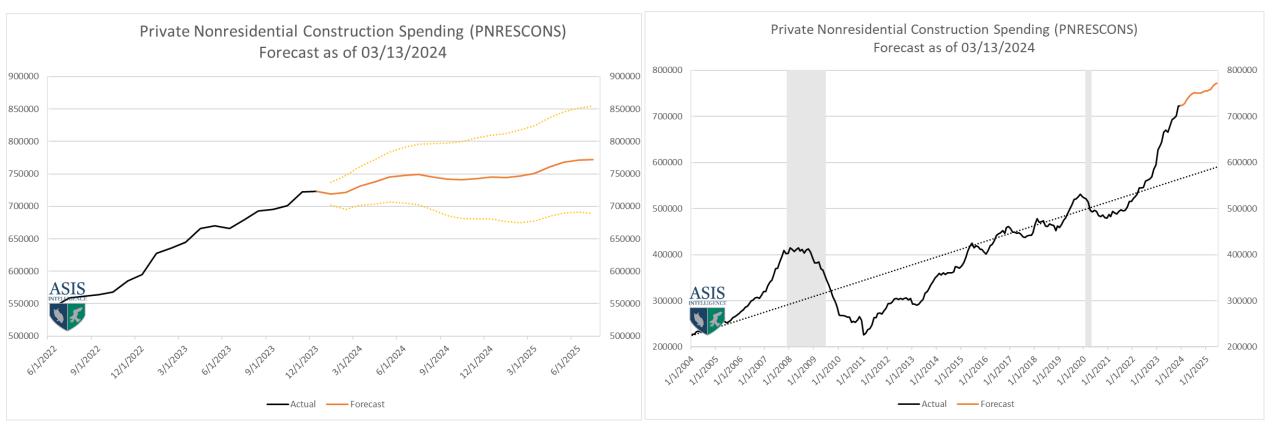


Machinery Production Forecast from The Watch



Growth Forecast: Nonresidential Construction Forecast from The Watch

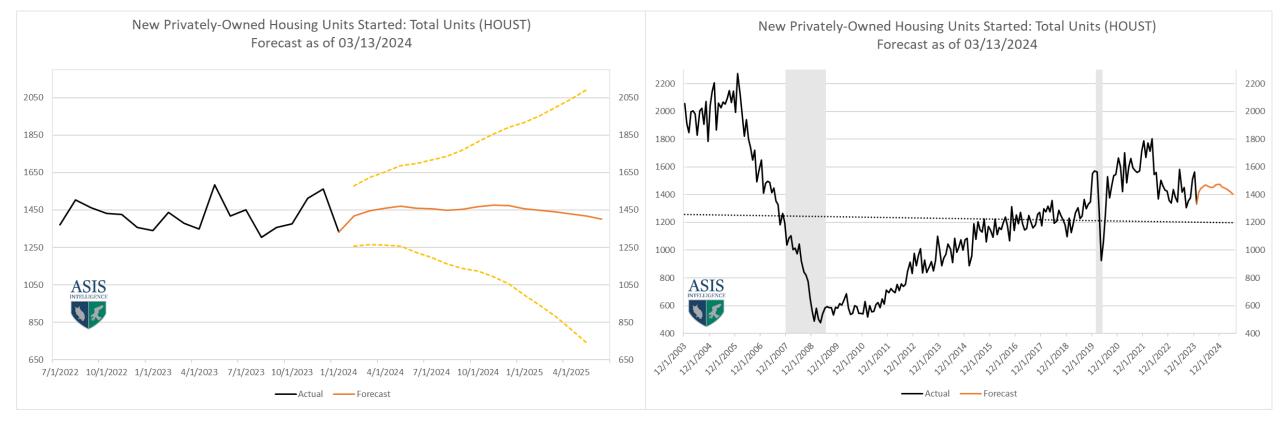




			1 mo	3 mo
		TRUCK D11	94.72%	93.70%
		RAILFRTCARLOADSD11	98.88%	99.75%
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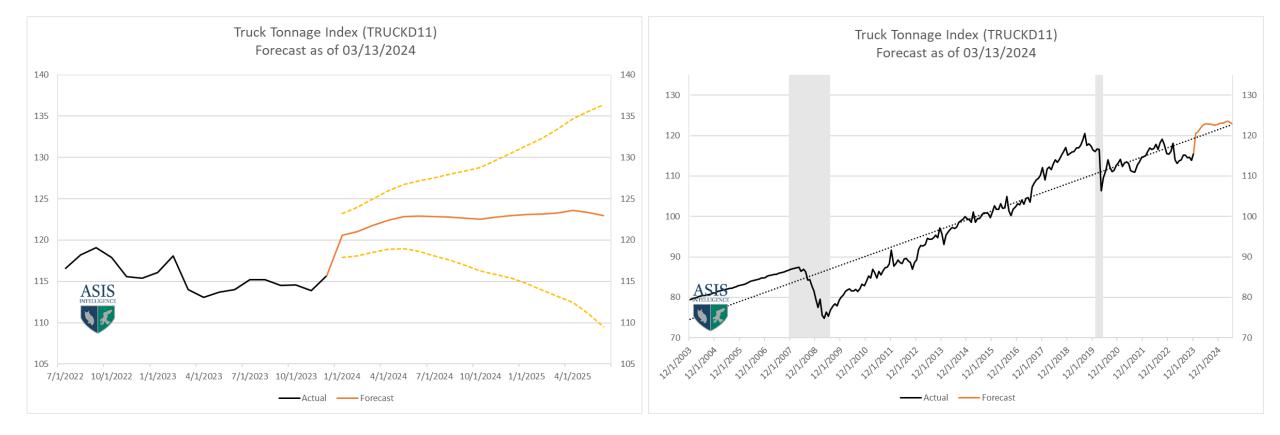
Growth Forecast: Residential Construction Forecast from The Watch





Truck Tonnage Forecast from The Watch

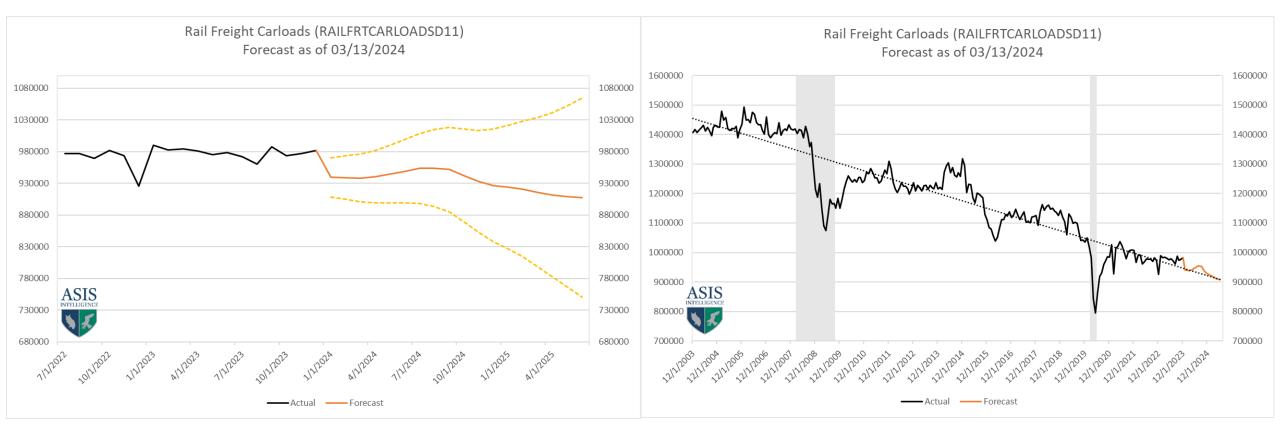




		1 mo	3 mo
	TRUCK D11	94.72%	93.70%
	RAILFRTCARLOADSD11	98.88%	99.75%
	RSXFS	98.68%	97.89%
	PNRESCONS	94.40%	93.99%

Rail Carload Forecast from The Watch

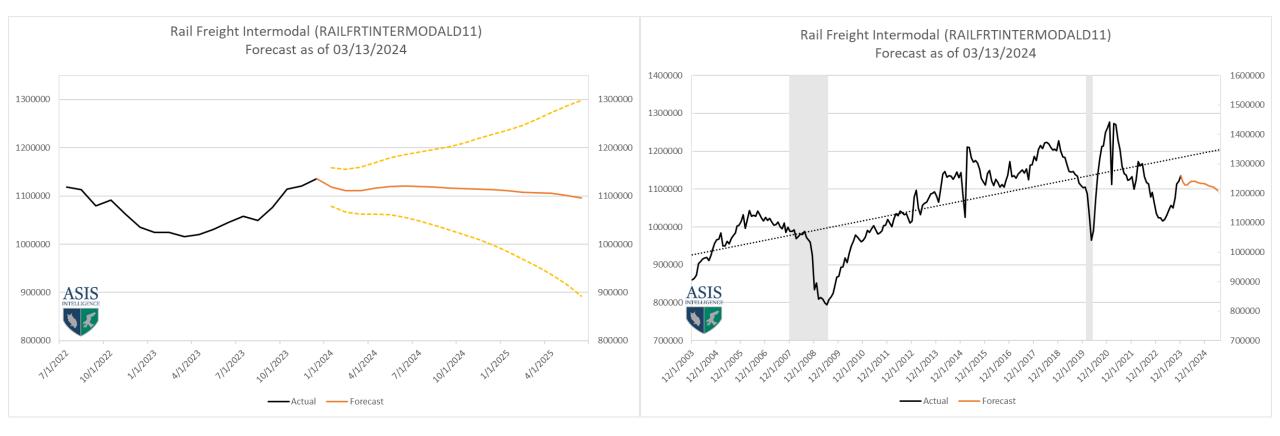




					1 mo	3 mo
			_	TRUCK D11	94 72%	93 70%
				RAILFRTCARLOADSD11	98.88%	99.75%
				RSXFS	98.68%	97.89%
16	<u>Chris.kuehl@armadaci.com</u> Kprather@armadaci.com	www.armada-intel.com	PNRESCONS	94.40%	93.99%	

Rail Intermodal Forecast from The Watch





For More Enlightenment



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Bonus Offer for Attendees – Aren't You Excited? Proof that I am as long-winded in print as in public!

Flagship – Three times a week (MWF). \$7 per month but free trial for a month

The Watch – \$44 monthly but free trial for TWO months

