



Wire Harness Industry Economics – The Future and Now

Taylor St. Germain **Analyst and Speaker**

About ITR Economics



- Founded in 1948
- Provides industry-renowned economic intelligence to reduce risk and drive practical and profitable business decisions
- Content provider for IEWC's Hotwire® monthly e-newsletter



Summary February 2019

Business Cycle Decline for 2019

US

Global

Segment Thinking Into 3 Time Periods

2018 - 2020

2021 - 2029

2030 - 2040

Global Issues Impacting Our Businesses

Tariffs

Leading Indicator Signals are Mixed

Know which ones matter to you How to track the leading indicators



2018 Preliminary Forecast Results If you heard ITR around two years prior...

	Duration	Accuracy
US GDP	24	99.7%
US Ind. Production	34	99.4%
Europe Ind. Production	24	97.2%
Canada Ind. Production	27	94.5%
China Ind. Production	30	99.9%
Retail Sales	28	99.6%
Housing (Single Family Units)	26	99.2%
Employment (private sector)	30	99.4%

ITR Economics provides the best economic intelligence to reduce risk and drive practical and profitable business decisions.





Rate-of-Change & Leading Indicators

Tools for Seeing the Future



A Powerful Management Tool Rate-of-Change

	Nate-C							410-0		
		Raw		3MMT		3/12		12MMT		12/12
	Feb-17	1.5								
	Mar-17	1.5								
	Apr-17	1.4		4.4						
	May-17	1.5		4.4						
	Jun-17	1.3		4.4						
	Jul-17	1.3		4.2						
	Aug-17	1.6		4.1						
	Sep-17	1.6		4.2						
	Oct-17	1.5		4.5						
	Nov-17	1.7		4.7						
	Dec-17	1.6		4.8						
	Jan-18	1.7	_	+.0	-		=	18.0		
	Feb-18	1.7	1	5.0				18.2		
	Mar-18	1.7		5.0				18.4		
	Apr-18	1.6		5.1		15.9%		18.6		
	May-18	1.7		5.0		13.6%		18.8		
	Jun-18	1.5		5.0		13.6%		19.0		26.7%
	Jul-18	1.5		4.8		14.3%		19.2		25.5%
	Aug-18	1.9		4.7		14.6%		19.4		25.2%
	Sep-18	1.7		4.9		16.7%		19.7		22.4%
	Oct-18	1.7	L	5.1		13.3%		19.8		20.0%
ĺ	Nov-18	1.9		5.3		12.8%		20.0		18.3%
ĺ	Dec-18	1.7		5.3		10.4%		20.2		15.4%
	Jan-19	1.7	_	5.0		10.4%		20.3		12.7%

3/12 Rate-of-Change

$$= \frac{January\ 2019\ 3MMT}{January\ 2018\ 3MMT} \times 100 - 100$$

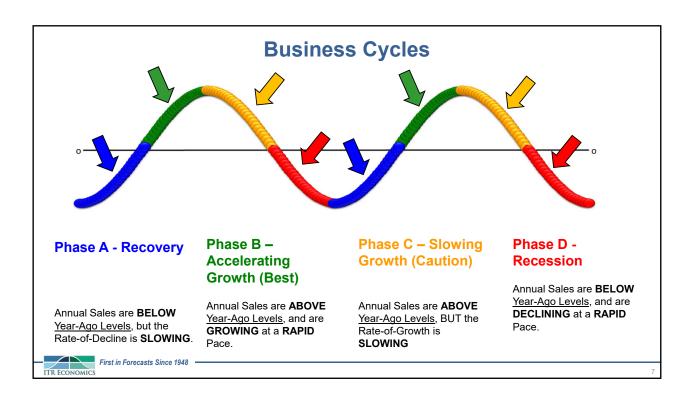
$$=\frac{5.3}{4.8} \times 100 - 100 = \frac{10.4\%}{100}$$

12/12 Rate-of-Change

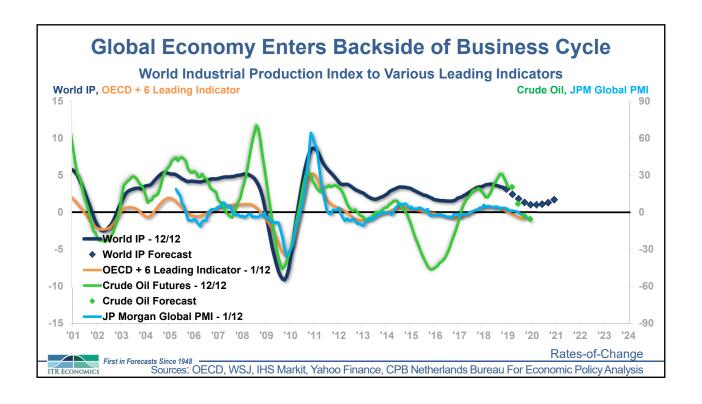
$$= \frac{January\ 2019\ 12MMT}{January\ 2018\ 12MMT} \times 100 - 100$$

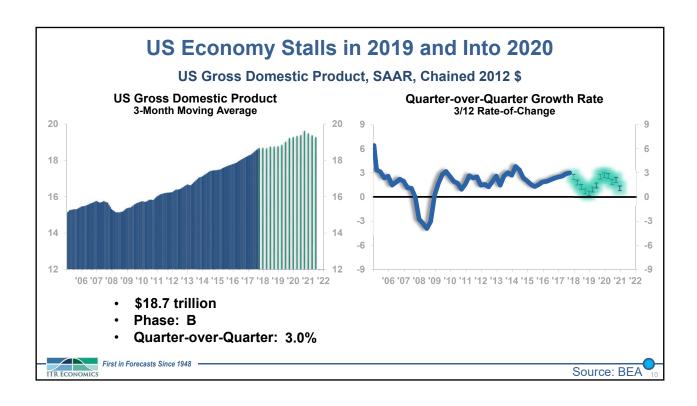
$$=\frac{20.3}{18.0} \times 100 - 100 = 12.7\%$$

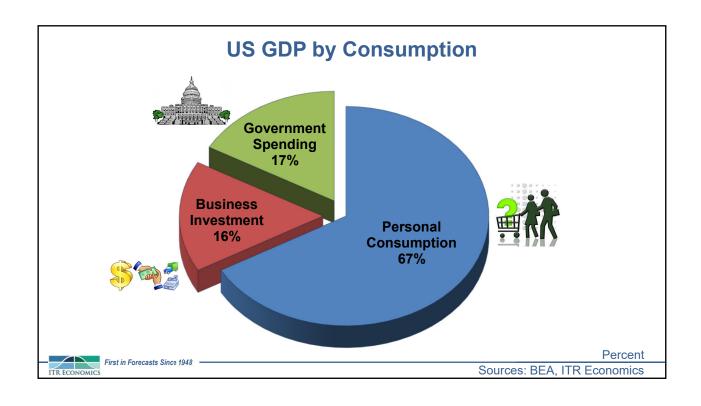
First in Forecasts Since 1948

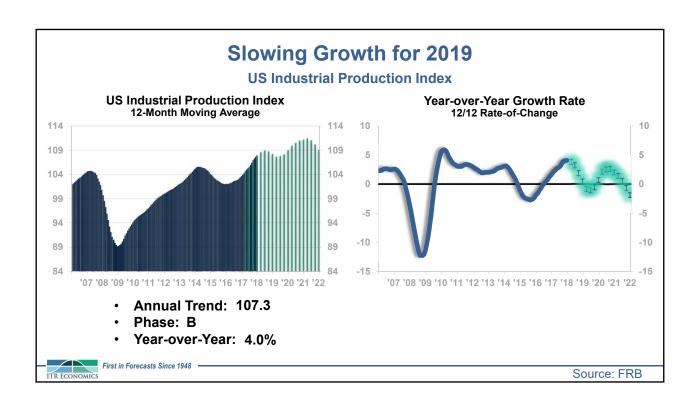


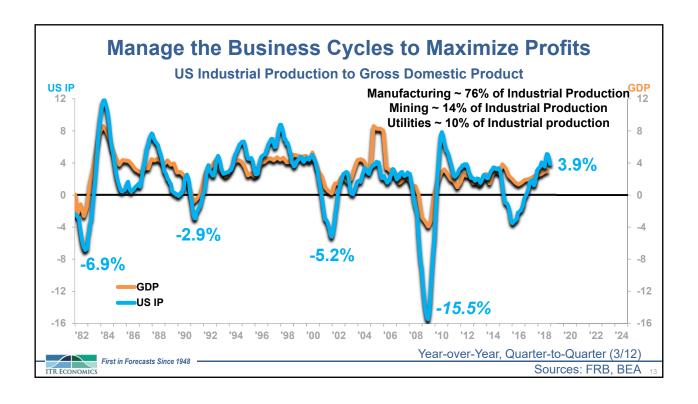


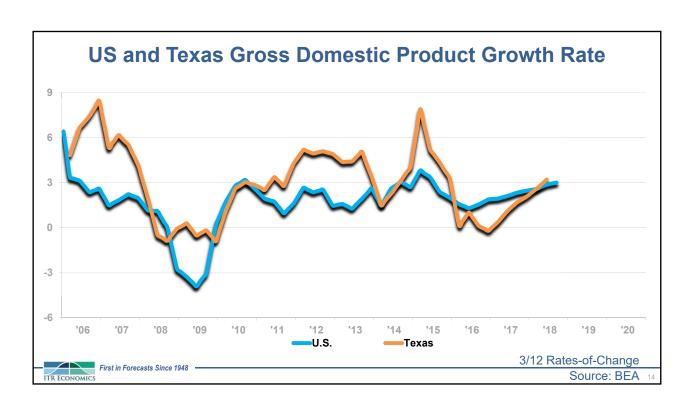


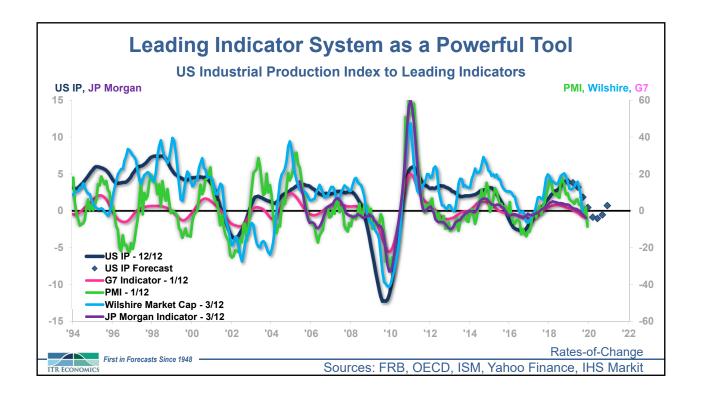


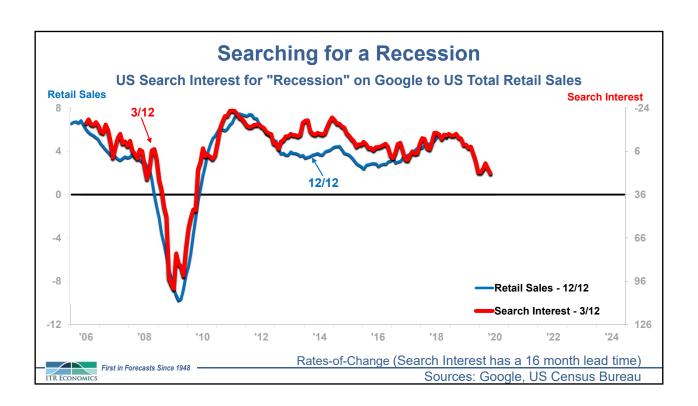


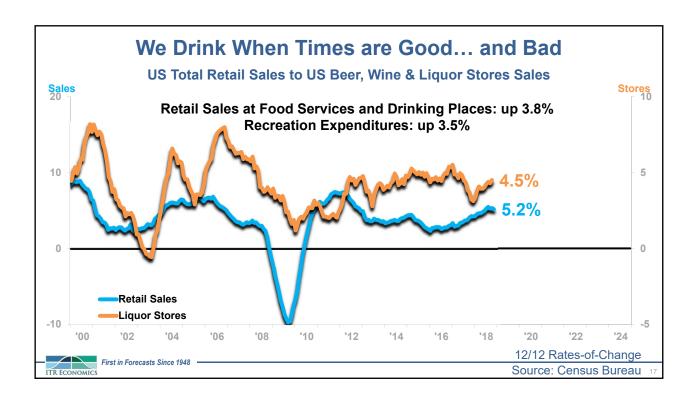


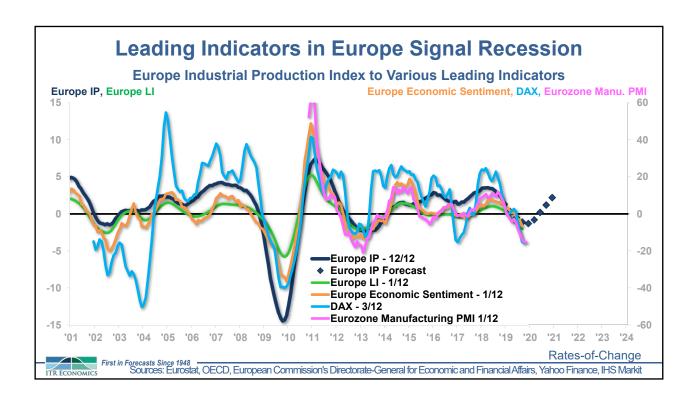


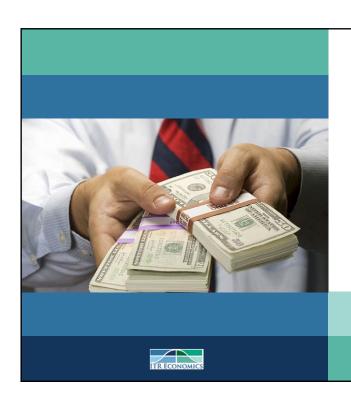




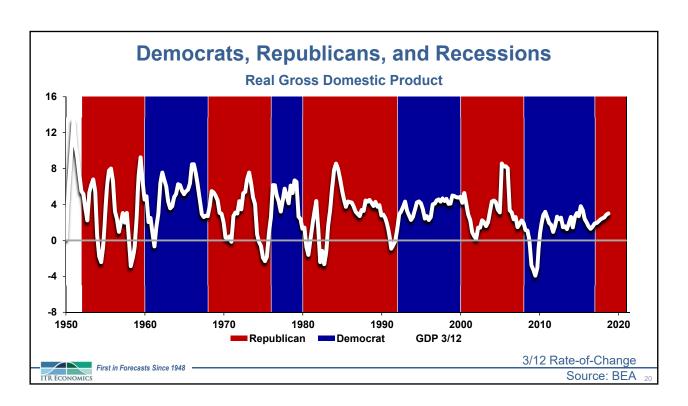


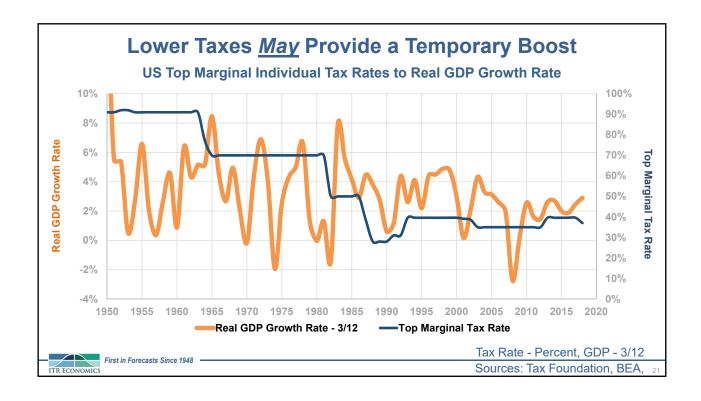


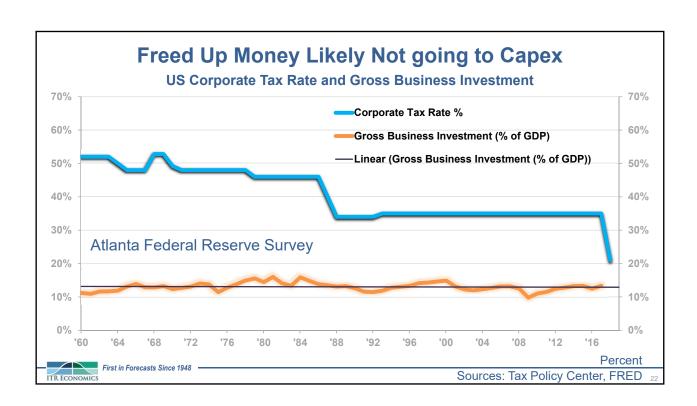




Tax Reform & Tariffs







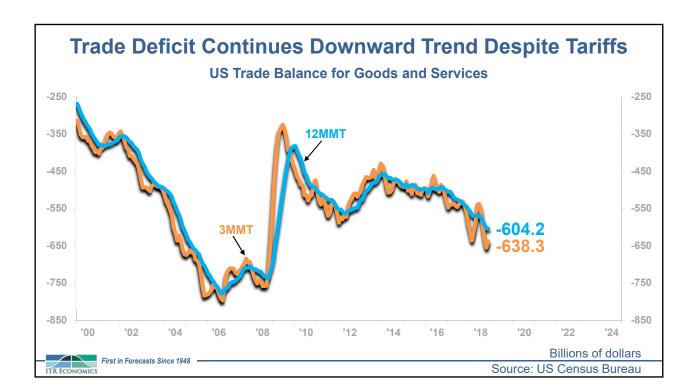
ATLANTA FED IS WATCHING . . .

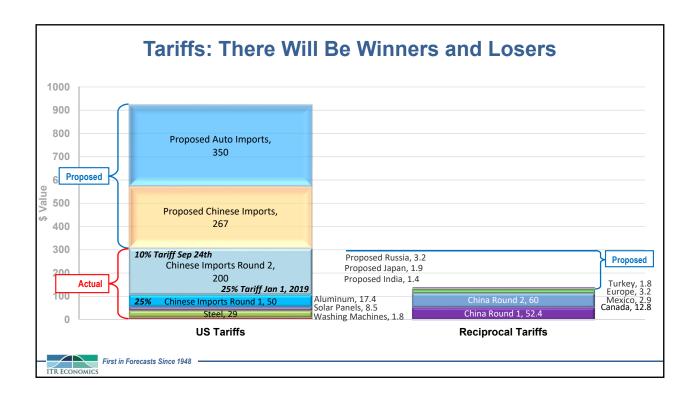


First in Forecasts Since 1948

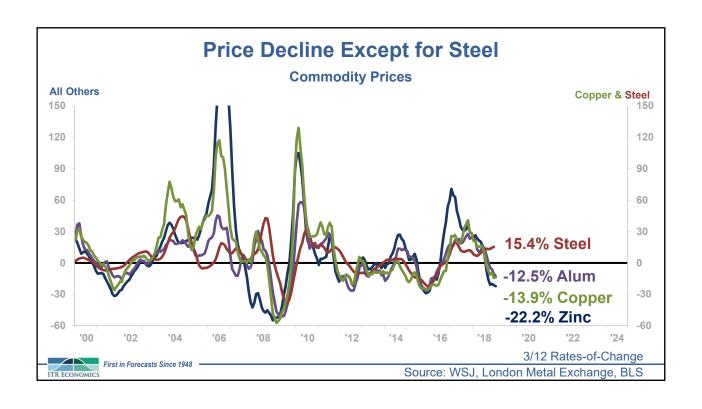
On business investment, roughly two-thirds of respondents to our national survey...indicated that the reform wouldn't affect their capital expenditures at all. Just **15 percent** said they would increase their capital spending by **10 percent** or more, and those responses came mostly from smaller firms.

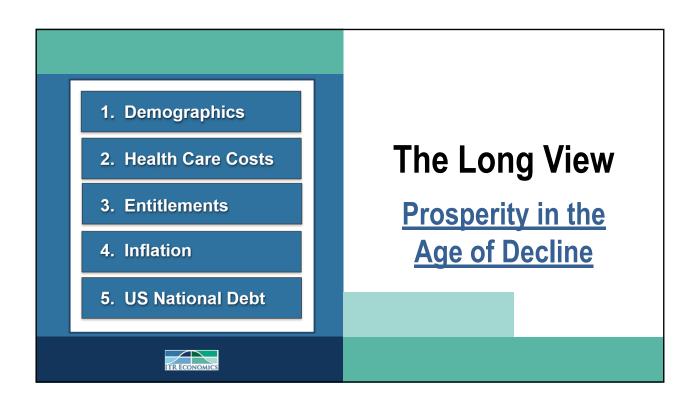
~ Raphael Bostic Atlanta Federal Reserve Chair Rotary Club of Atlanta January 8, 2018

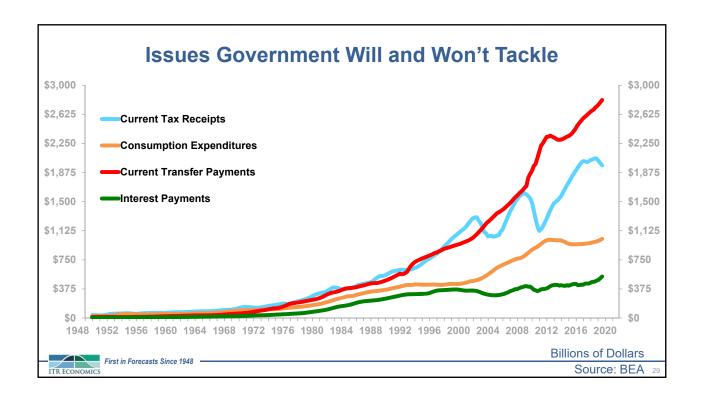


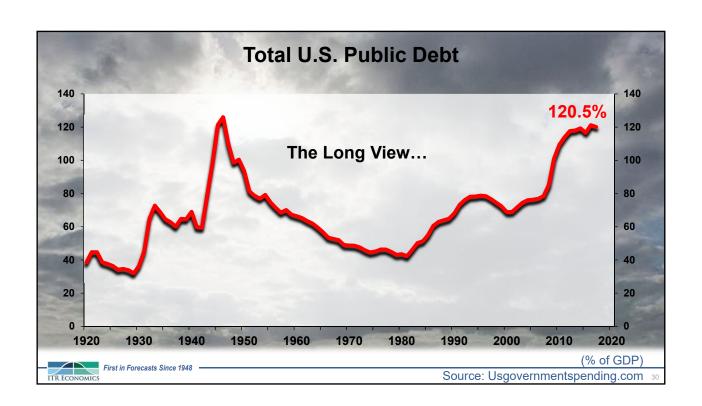








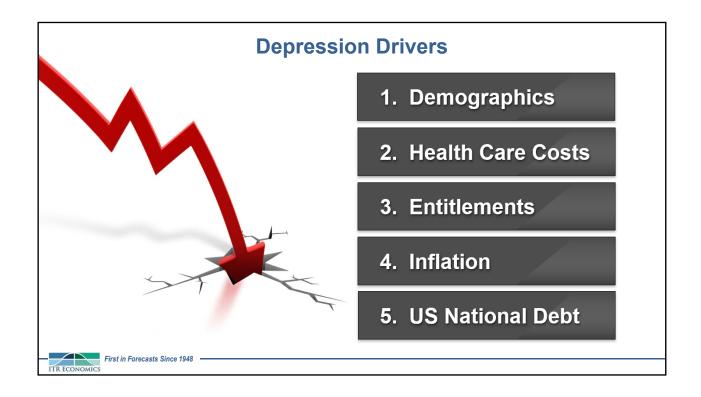


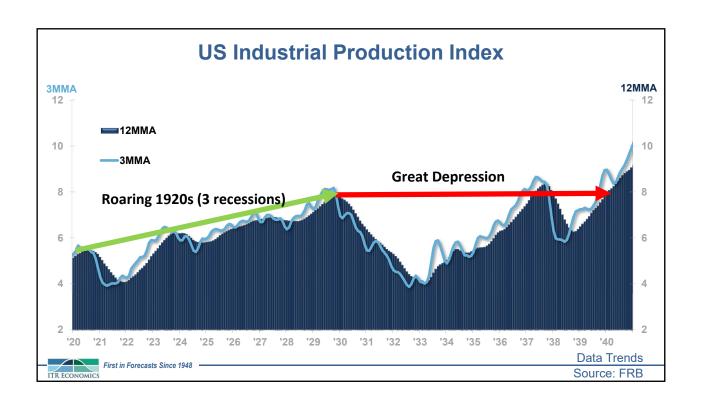


CBO I	Projection	Statistics
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	Α	В	С	D	E
	(B+C+D)/E	Net Interest	<u>Healthcare</u>	Social <u>Security</u>	Total Spending as <u>% of GDP</u>
2018	56.8%	1.6%	5.2%	4.9%	20.6%
2019 - 2028	63.4%	2.7%	6.0%	5.5%	22.4%
2029 - 2038	69.1%	3.6%	7.4%	6.2%	24.9%
Siret in	Envenanta Simos 1049				Percentage of GDP

Data Source: CBO, 2018 Long-Term Budget Outlook





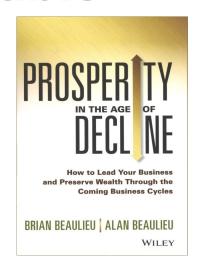
Now Available

The next Great Depression is coming.

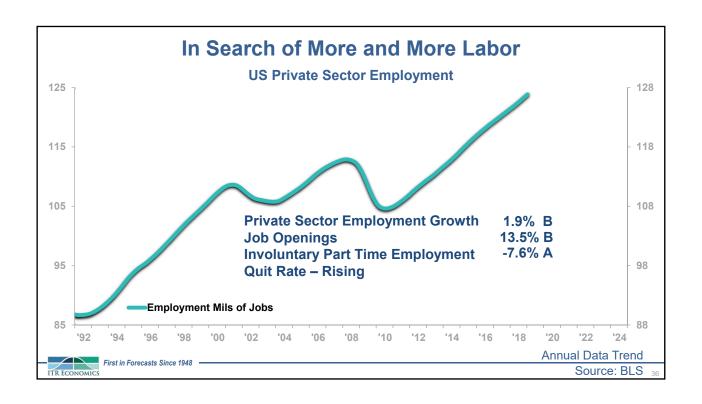
Are you ready?

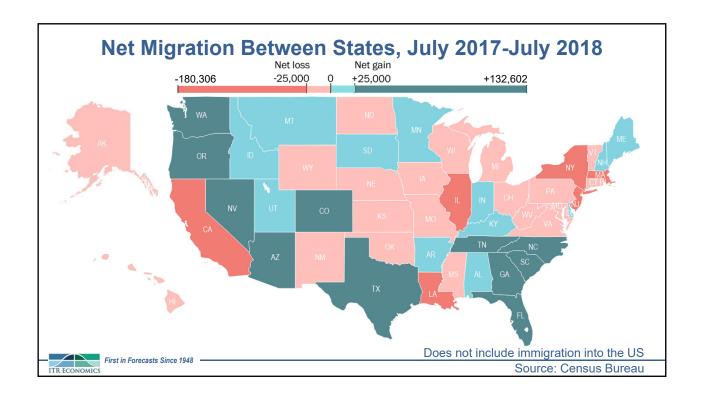
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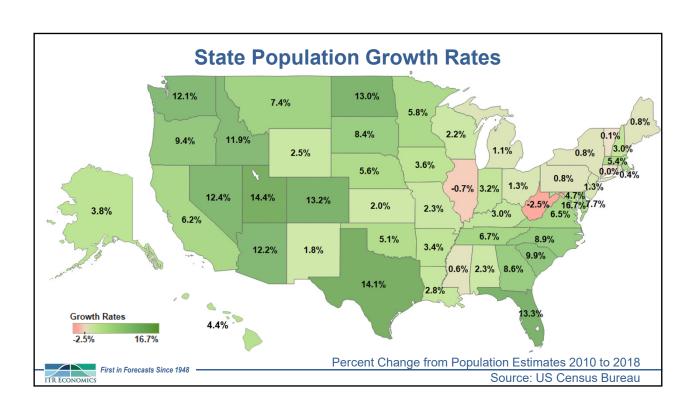
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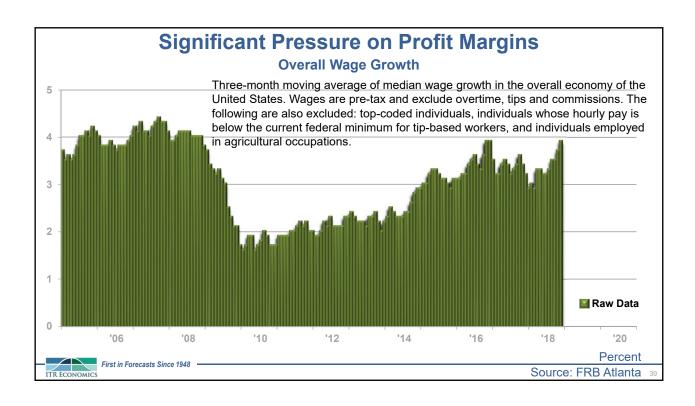




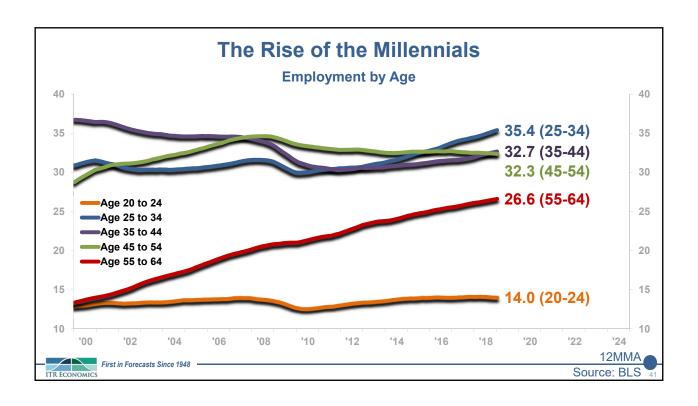


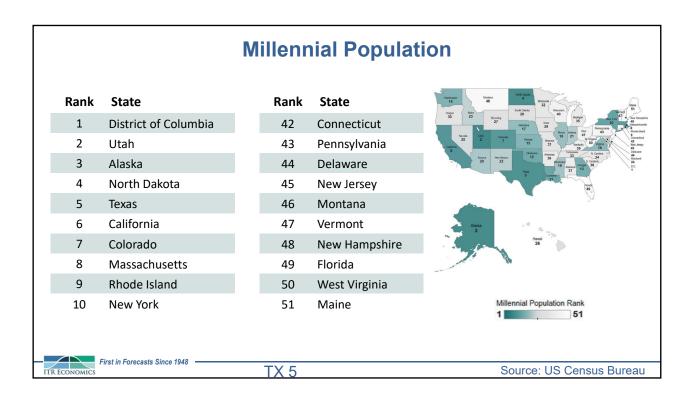


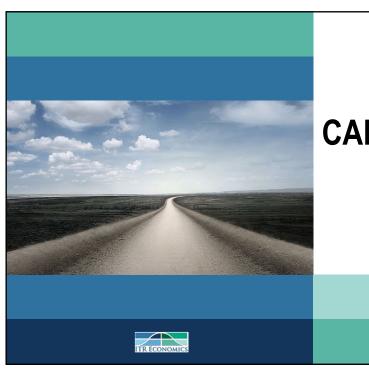




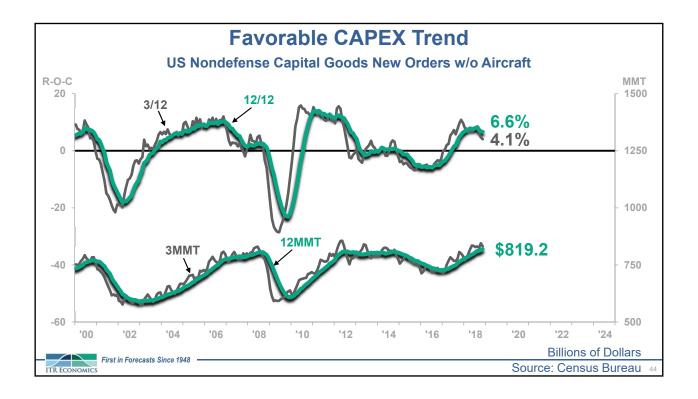


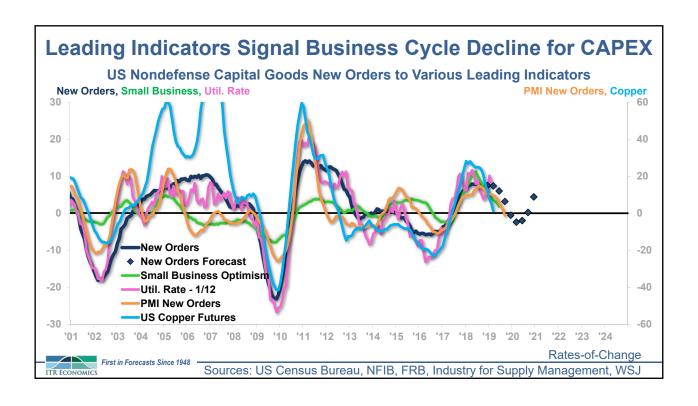




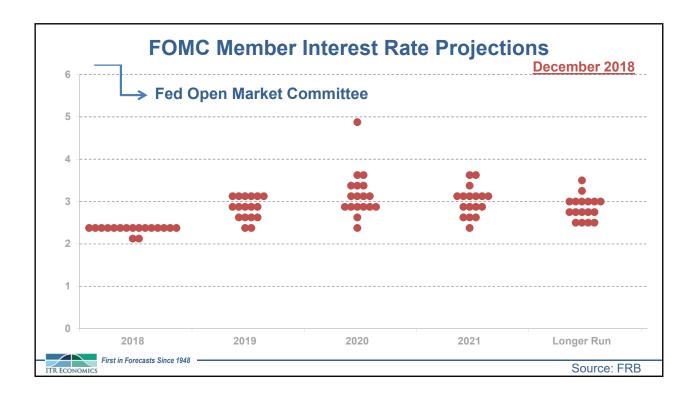


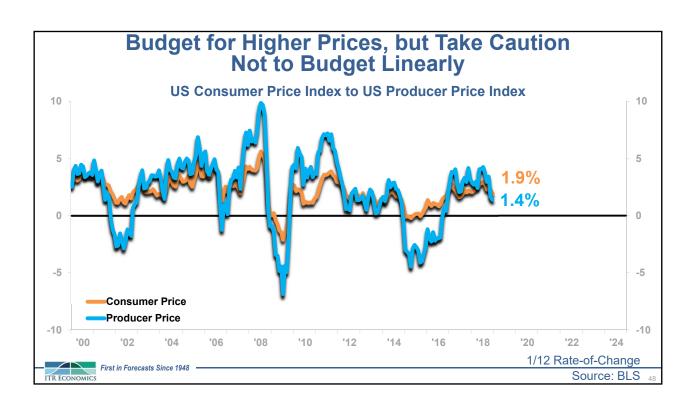
CAPEX, Interest Rates& Inflation



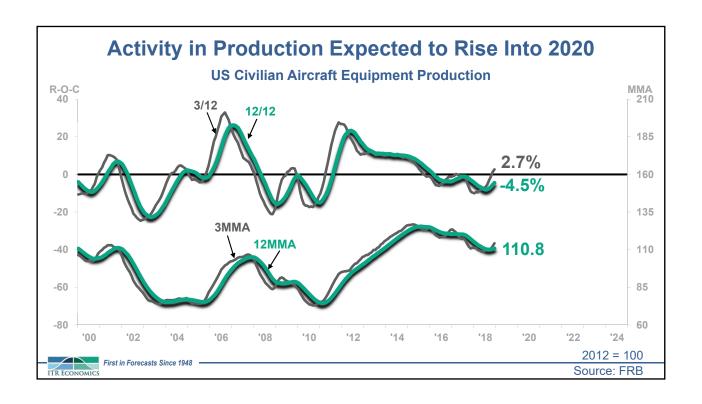


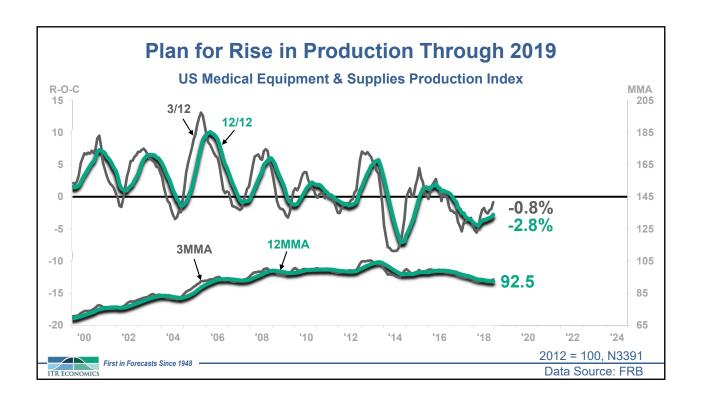








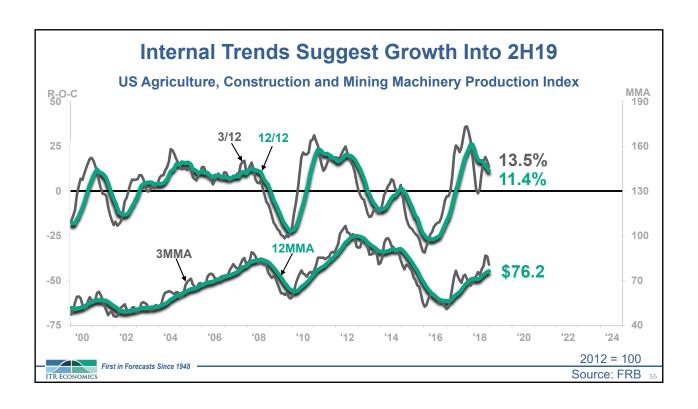




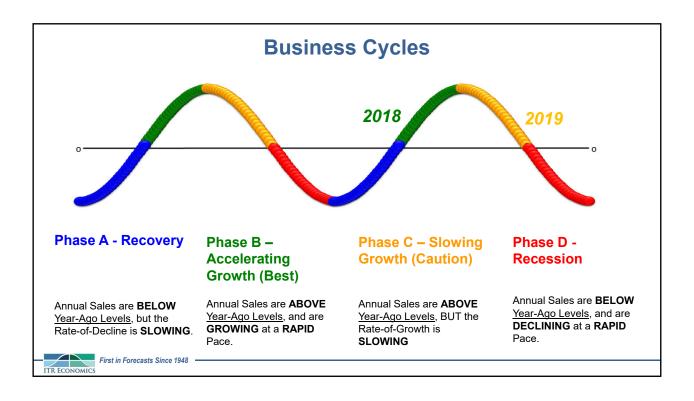












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SPEAKER PROFILE

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TAYLOR ST. GERMAIN

Taylor St. Germain is an economic analyst at ITR Economics™. He provides economic consulting services for small businesses, trade associations, and Fortune 500 companies across a spectrum of industries.



TESTIMONIALS

"Very informational! Great planning matrix with real data. Thanks for this speaker!""

Managing Director, Medium-Sized Manufacturing Company

"Taylor did an excellent job. He was well prepared and engaging. I thoroughly enjoyed his presentation." **Executive VP, Aerospace Design and Fabrication Company**

"Taylor had a great depth of knowledge. Answered all our questions beyond the slides!" **President, Medical Device Manufacturer**

ABOUT TAYLOR

Taylor's personality and understanding of the usability of economic trends in business are always refreshing and welcomed by those around him.

Before joining the Executive Vantage Point Team at ITR Economics, Taylor graduated from the University of Vermont with a major in statistics and a double minor in mathematics and political science. He is an asset to not only his EVP team but to ITR Economics as a whole!

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BOOKING INFORMATION

To learn more about ITR Economics, please call 603.796.2500 or email itr@itreconomics.com.

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ABOUT ITR ECONOMICS

Founded in 1948, ITR Economics is the oldest, privately-held, continuously operating economic research & consulting firm in the United States. With a long-term 94.7% accuracy rating, ITR Economics has forecast major economic events, such as the 2008 recession, well in advance and provides reliable industry and company forecasts tailored to client's needs. ITR Economics also offers economic webinars, subscription periodicals, consultative reports, and data collection services.



Want to reduce your risk when deciding where and when to allocate your resources?

Join the thousands of businesses who are doing just that by using ITR's forecasting tools ranging from monthly subscriptions to onsite consultations on industry trends that have a direct impact on your business.

ITR has a 94.7% Forecast Accuracy.

Our unmatched 94.7% forecast accuracy at four quarters out since 1985 allows us to help business executives make strategic movements with confidence. Our team of expert economists are ready to coach your team on how to use economic foresight to truly maximize your profitability. We will work directly with you to customize a program that will meet your specific planning needs.

Driving practical and profitable business decisions.

Our mission is to drive practical, profitable business decisions and strengthen your company through strategic use of industry trends. Thousands of business leaders from around the world are turning to ITR's subscriptions, consultative programs, and onsite speaking engagements for guidance in increasing their foresight of what is to come for their business.

	Available Solutions from ITR Economics TM						
Initiative	EVP Series	Trends Report	Company Forecasts	Insider			
Understanding events impacting business activity	•	•		•			
Resource Allocation	•	•					
Marketing Initiatives	•	•					
Sales Forecasting	•	•	•				
Setting Sales Goals	•						
Benchmarking for gauging internal success	•						
Budget Setting	•		•				
Increasing internal forecasting accuracy/ability	•						

ITR's insight and ability to relate global and US leading and lagging indicators to our industry was astounding and quite informative. I highly recommend ITR to anyone interested in sound knowledge of future economic conditions.

Jim Rohr, Co-Chairman, National Shipbuilding and Research Program