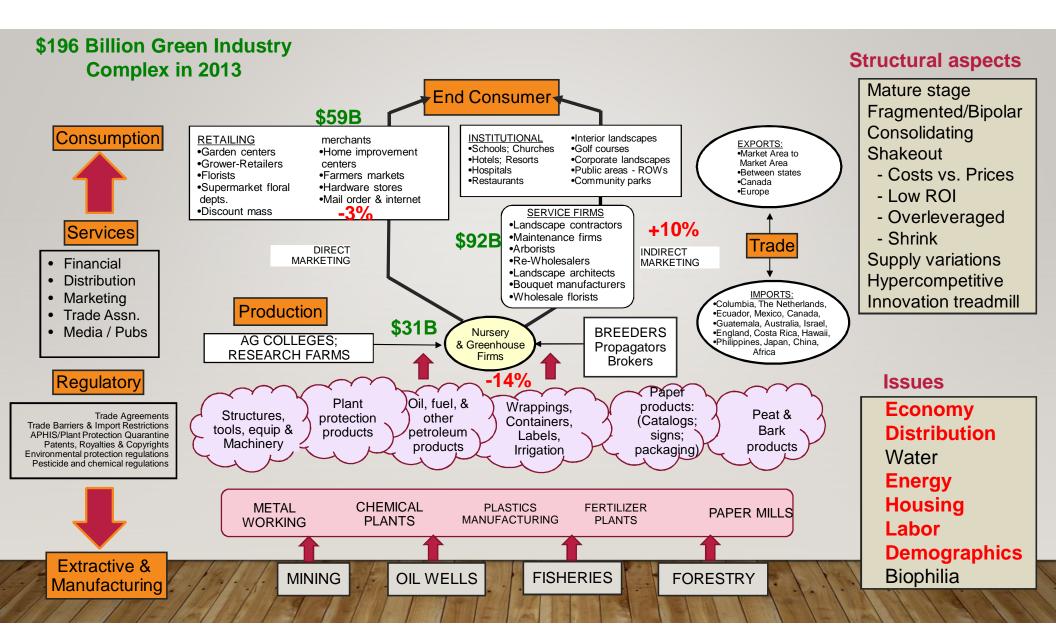
The Paradigm Has Changed. Now What?

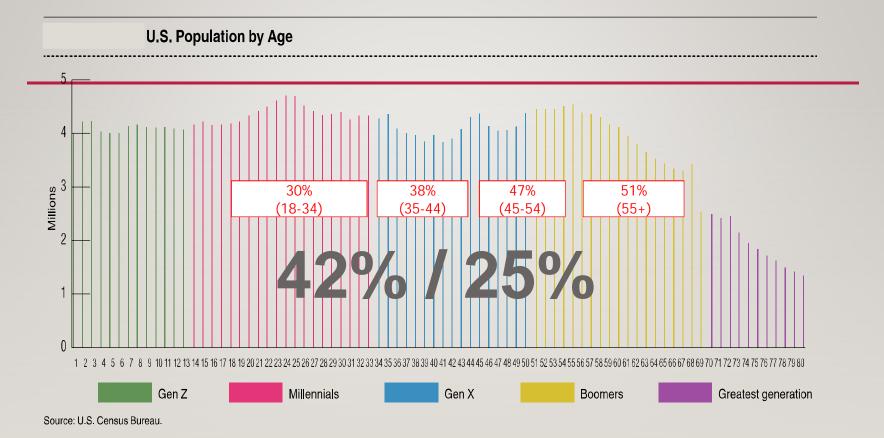
Economic Outlook for the Green Industry

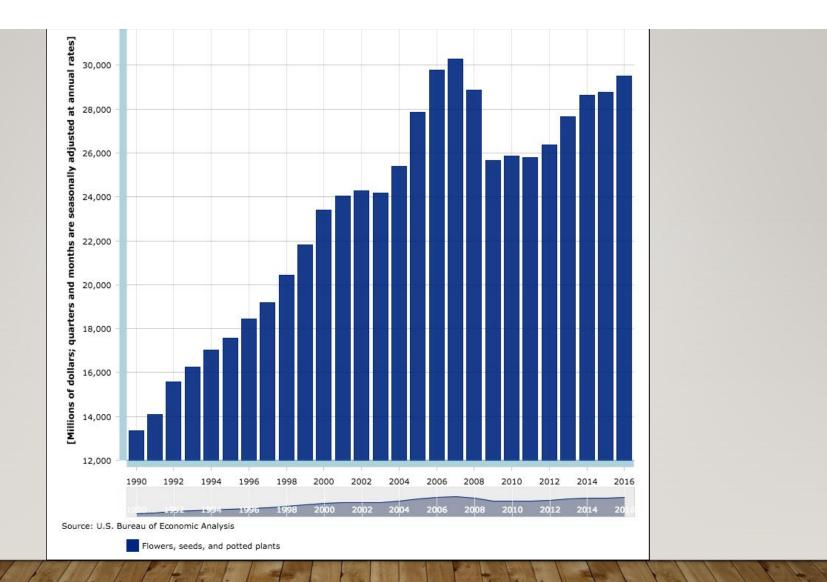
Dr. Charlie Hall

Ellison Chair in International Floriculture Texas A&M University charliehall@tamu.edu



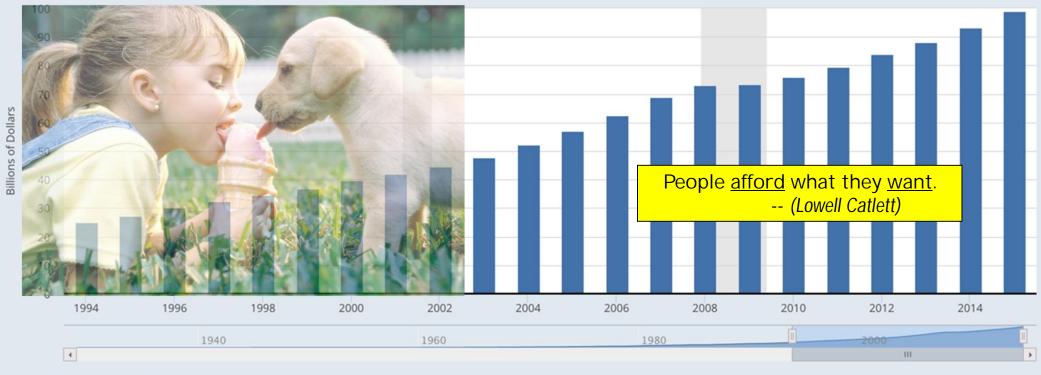
DEMOGRAPHIC INFLUENCES ON THE GREEN INDUSRY





U.S. PET EXPENDITURES (\$BILLIONS)

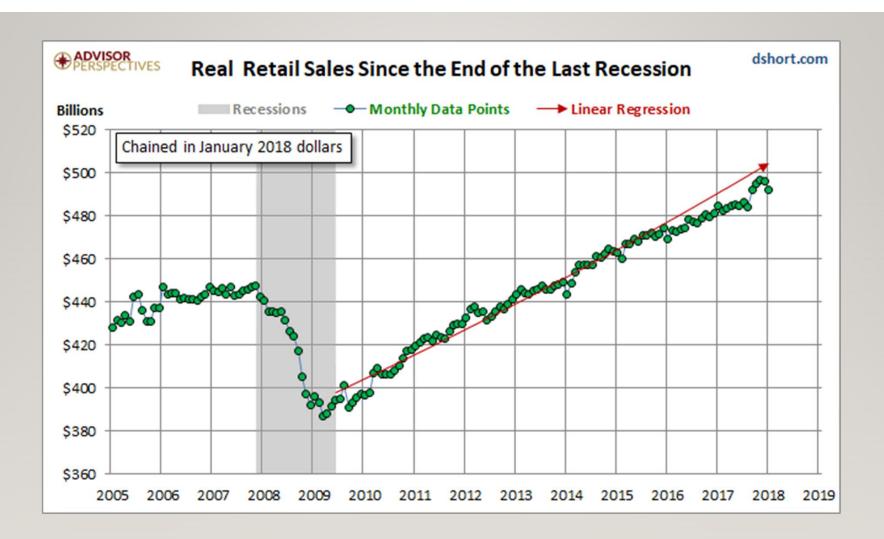




Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Economic Analysis

fred.stlouisfed.org

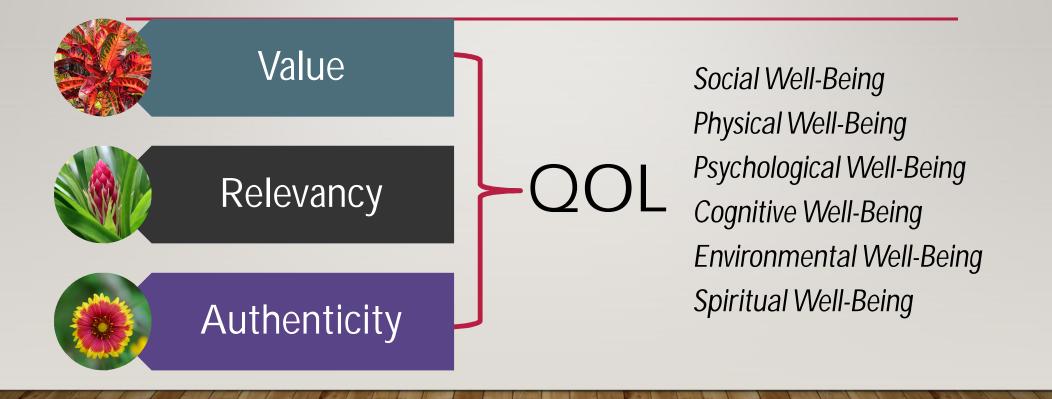


What are the implications?



People, regardless of age or any other demographic characteristic, want things that enhance the quality of their lives!

WHAT DEFINES QUALITY OF LIFE?



WEARE MORE THAN PRETTY!

Economic Benefits

- Beautification draws customers & reduces shopping stress
- Boosts occupancy rates
- Generates tourism revenue
- Job creation from increased services demanded
- Reduced health care costs
- Increased property values
- Tax revenue generation
- Reduced street repairs and maintenance costs
- Upgrade effects of surrounding areas
- Revenue from educational programs & special events

Environmental Benefits

- Carbon sequestration
- Improved air quality
- Attracts wildlife and promotes biodiversity
- Energy cost savings associated with heating / cooling
- Reduced heat and cold damage
- Offsets heat islands
- Reduced noise pollution
- Reduced soil erosion
- Reduced storm water runoff
- Improved water quality
- Reduced urban glare
- Effective windbreaks
- Increased biodiversity

Health/Well-being Benefits

- Improved concentration and memory retention
- Enhanced learning capacity
- Plants generate happiness
- Reduced stress and depression
- Health and recreation benefits
- Accelerates healing process
- Therapeutic effects of gardening
- Improves relationships / compassion
- Improved human performance / energy
- Medicinal properties
- Improved mental health
- Reduced community crime
- Traffic safety / driver satisfaction

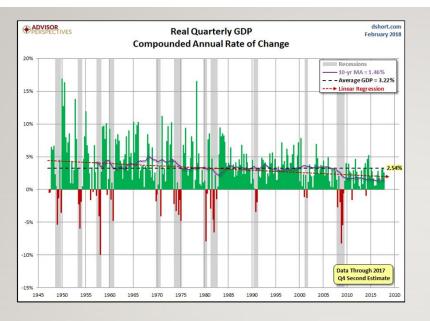
BOTTOM LINE...

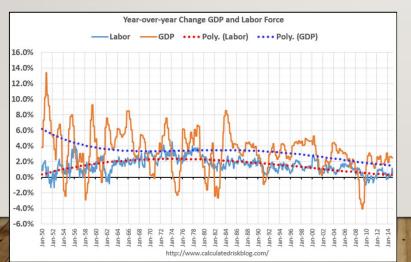
- 1. Demographics are working in our favor.
- 2. We have what people need to enhance their QOL.
- 3. We have an opportunity to help solve societal issues. BUT... Will the economy be the spoiler?

CLEARING UP ERRANT ASSUMPTIONS

- Stock market performance does not equal economic performance.
- Consumer confidence does not equal economic performance.

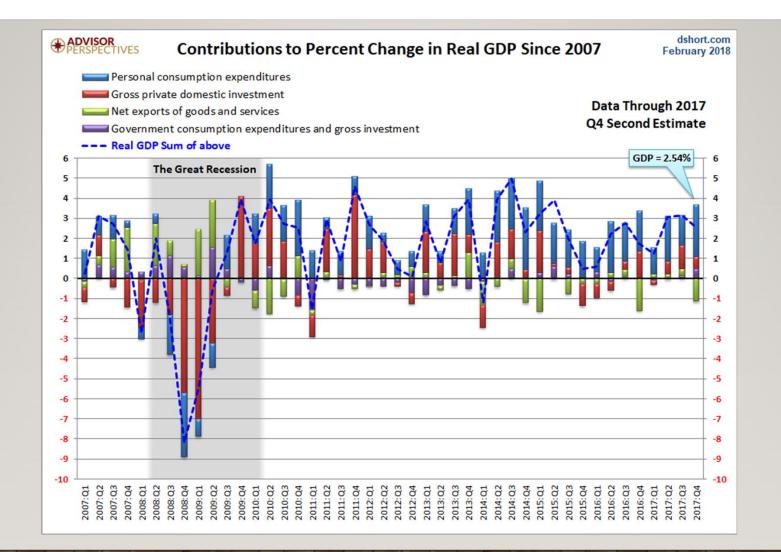


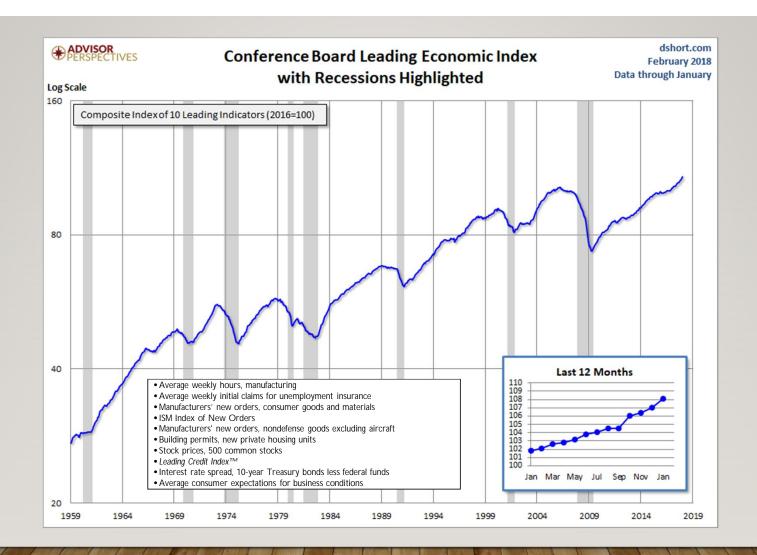


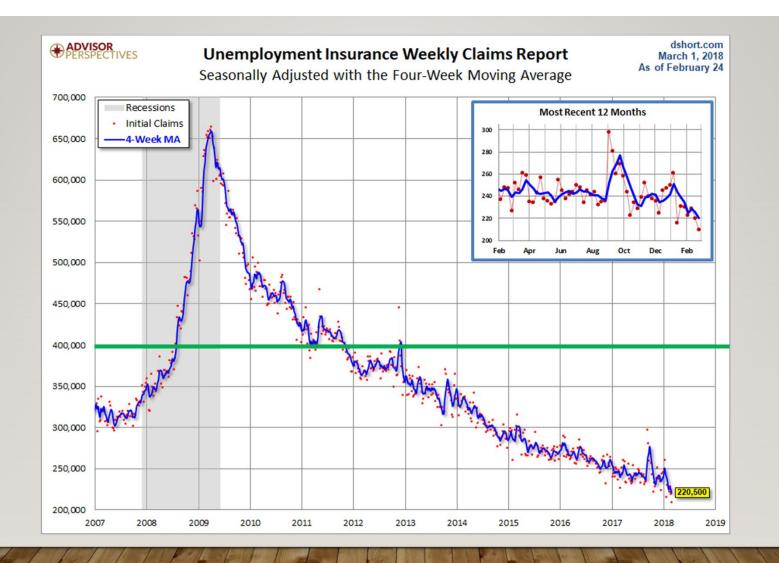


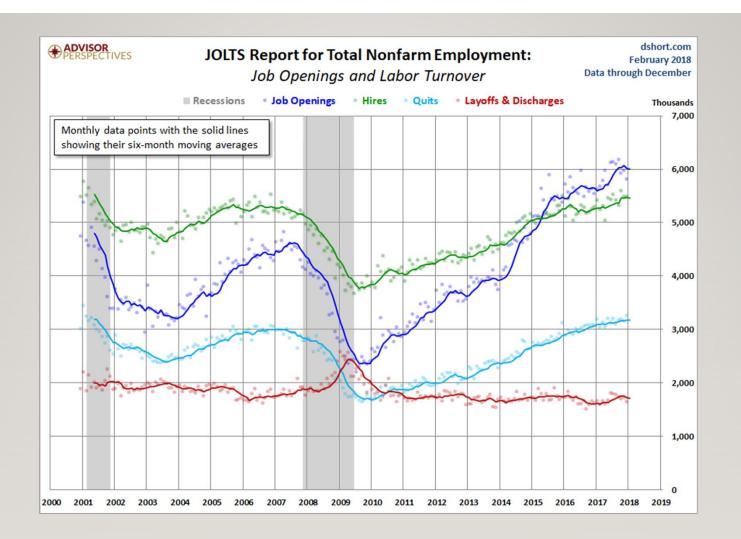


2% is "slow and steady!"



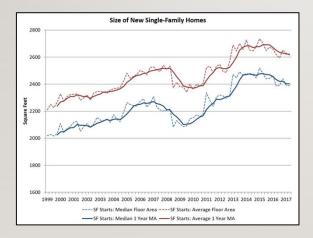


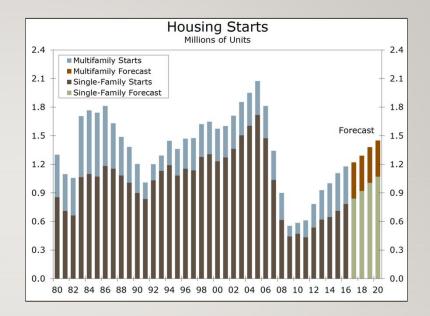




HOUSING MARKET

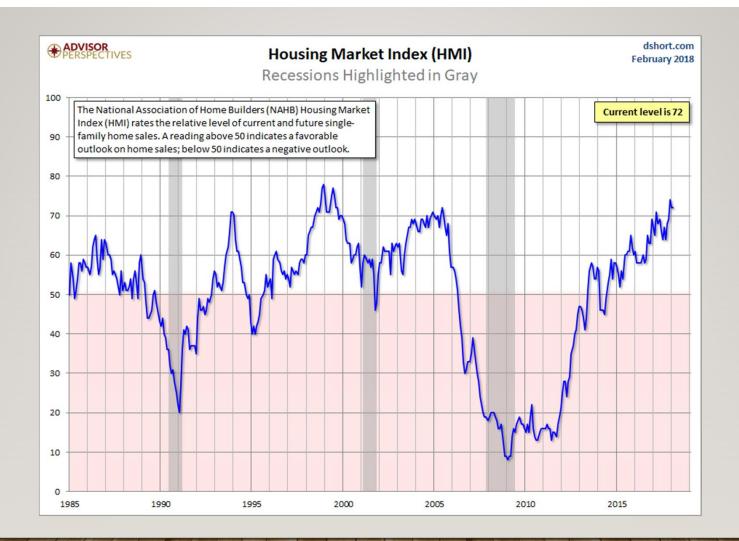
- LMI **1** for most metro areas
- Home prices up YOY
- Certain MSA's skewing the avg.
- Geographic mismatch
- Lack of existing home turnover
- Rising number of 1st-time buyers

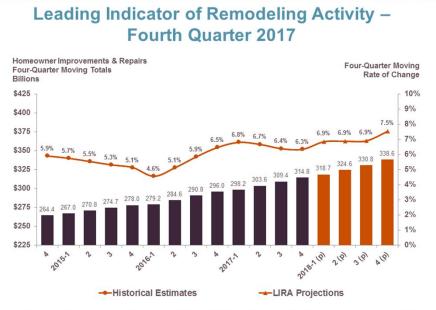




HEADWINDS

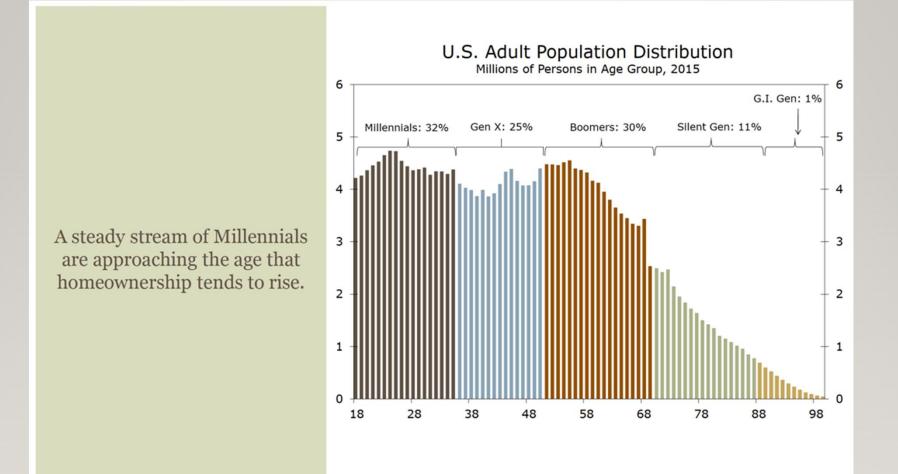
- Lumber prices are up
- Shortage of lots
- Labor availability



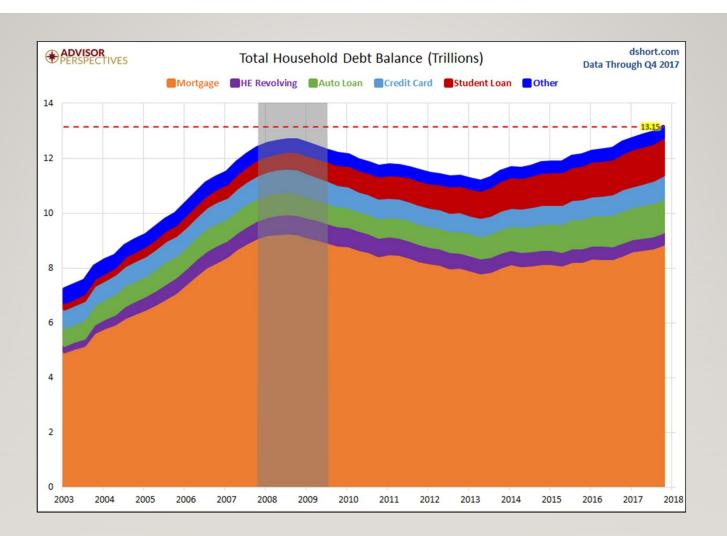


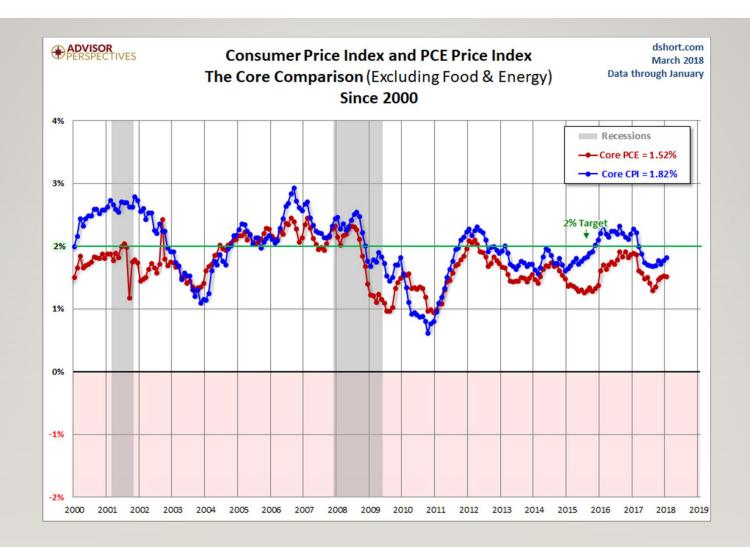
Notes: The former LIRA modeled homeowner improvement activity only, while the re-benchmarked LIRA models home improvement and repair activity. Historical estimates are produced using the LIRA model until American Housing Survey data become available. Source: Joint Center for Housing Studies.



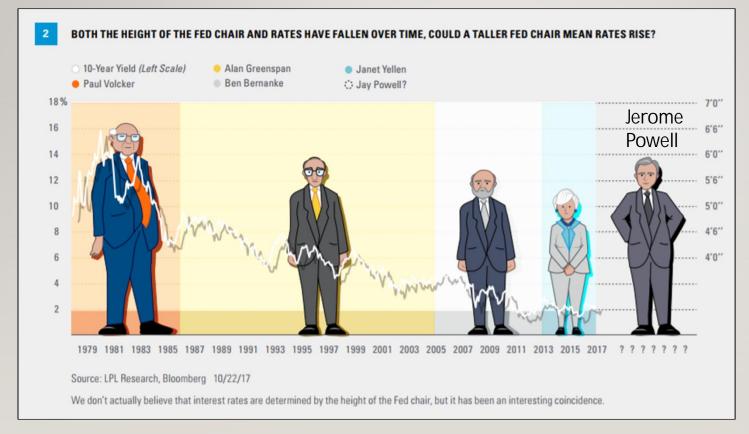


Source: U.S. Department of Commerce and Wells Fargo Securities

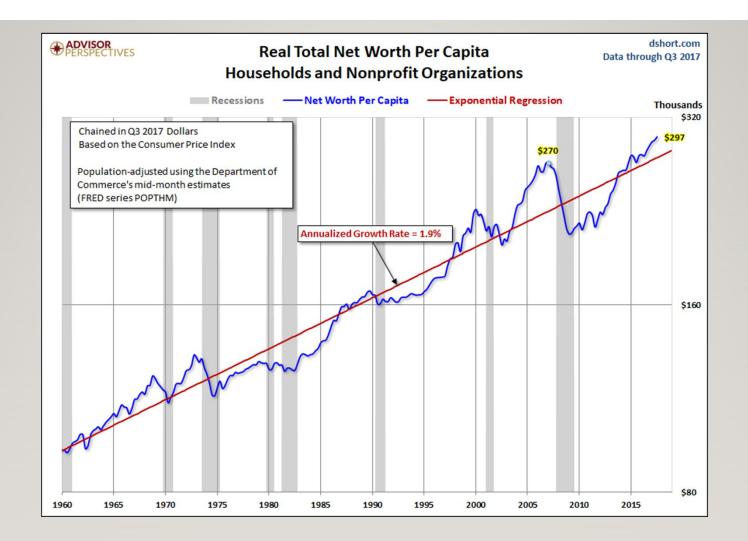


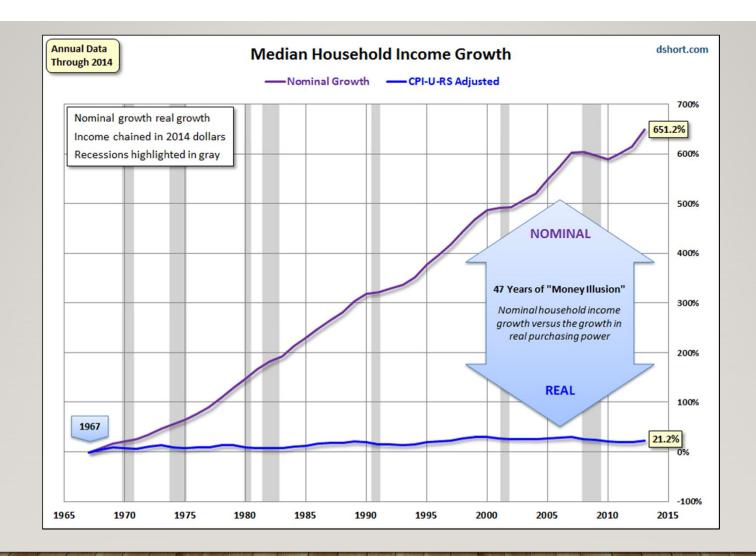


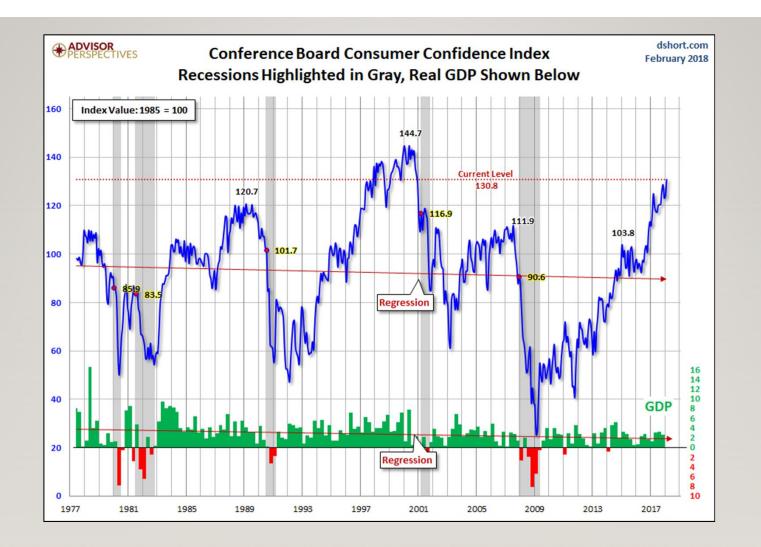
INTEREST RATES

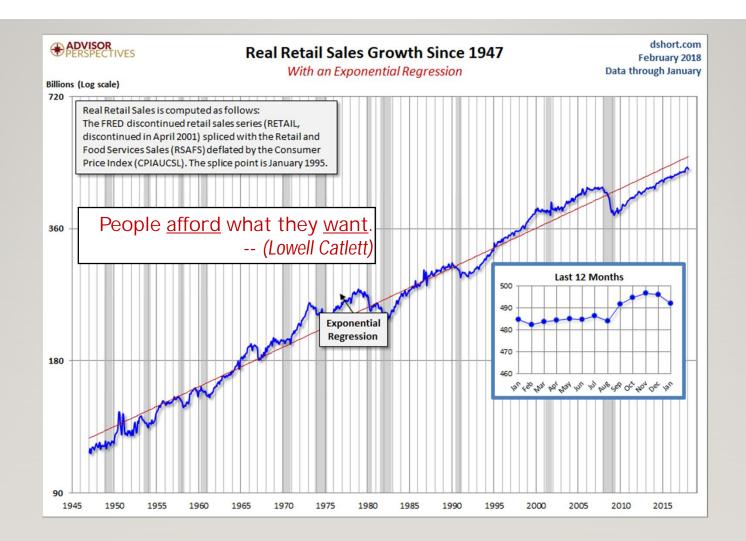


"Now--a decade from the onset of the crisis and nearly seven years since the passage of the Dodd-Frank Act and international agreement on the key banking reforms--a new question is being asked: Have reforms gone too far, resulting in a financial system that is too burdened to support prudent risk-taking and economic growth?"



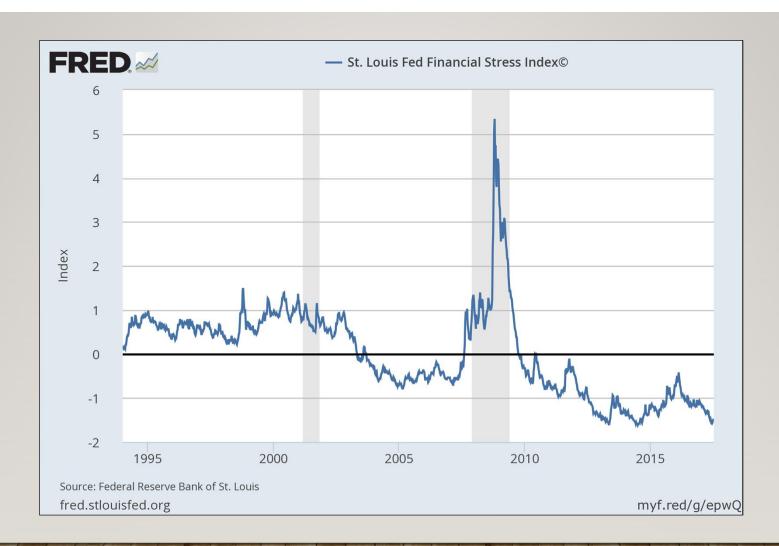


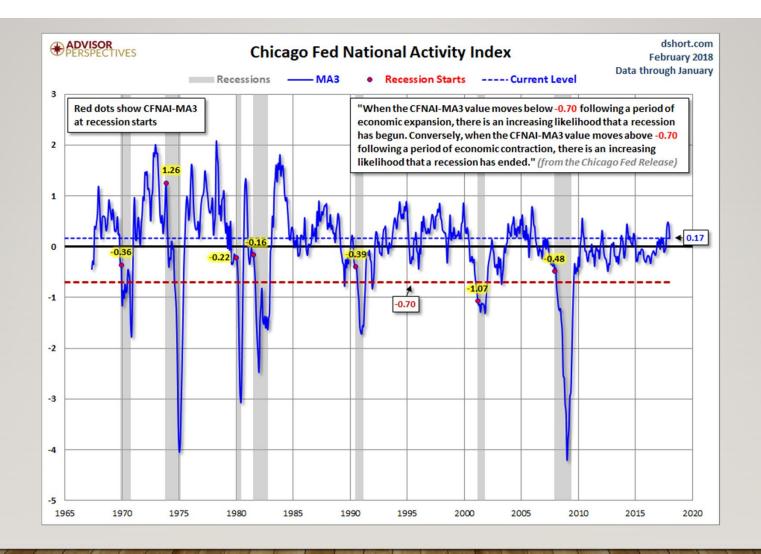


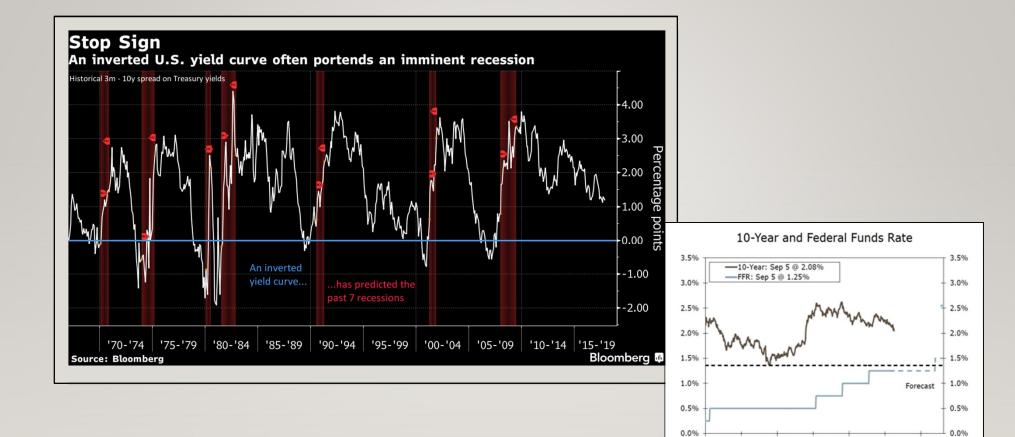


WHEN WILL THE NEXT RECESSION START?

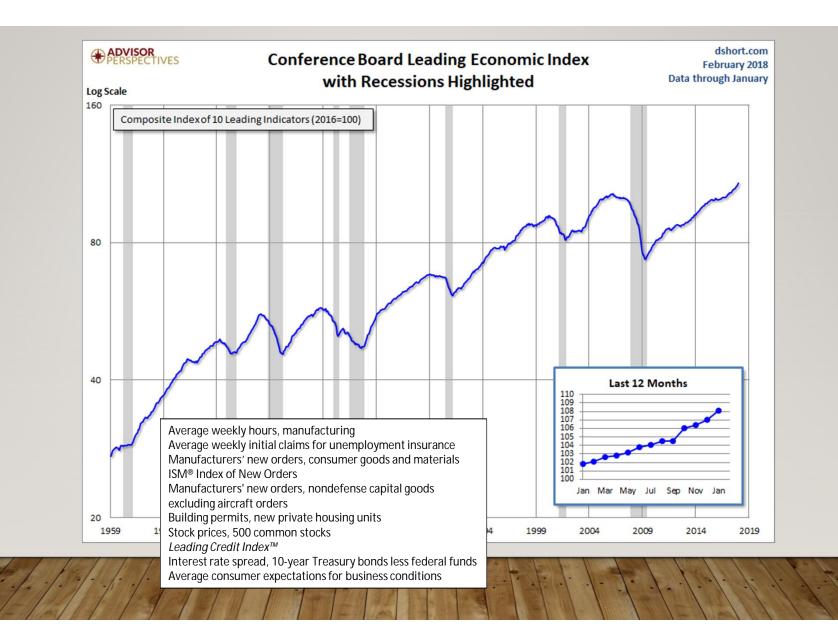








Dec-15 Apr-16 Aug-16 Dec-16 Apr-17 Sep-17 Dec-17



25% CHANCE OF RECESSION BEFORE THIS TIME NEXT YEAR

Ceteris paribus – Includes 15% risk factor.

DO YOU HAVE A CONTINGENCY PLAN IN PLACE?

- How well prepared am I for a mild economic slowdown or even a more severe downturn?
- 2. What predetermined cycle strategies should I have on my play sheet, ready to deploy at the right moment, instead of in the heat of battle?

