## Forecasting Strategy and **Economic Insights**

Idaho Economic Outlook and Revenue Assessment Committee January 4, 2024



## **Setting the Stage**

- 1. Forecasting Strategy Amid Uncertainty
- 2. 2024 Forecast Uncertain Normalcy
- 3. Intentionally Select Risk Tolerance Level **Considering Overall Fiscal Health**

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## **Budget Forecast Strategy**

## **A Cloudy Crystal Ball**

Pandemic Forecasting Challenges Highlight Need for Budget Relief Valves



- Highlights forecasting and budget management lessons learned from the pandemic
- Tool kit on various best practices and how states forecast budgets

 $\underline{https://www.volckeralliance.org/sites/default/files/2022-11/ACloudyCrystalBall\ 113022.pdf}$ 

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Note: Fiscal 2023 figure is based on preliminary actual data; fiscal 2024 figure is based on states' enacted budgets.

Source: National Association of State Budget Officers

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# Select Forecast Risk Considering Overall Fiscal Health (Strength or Weakness of Other Budget Tools)

#### STRENGTH OF OTHER BUDGET MANAGEMENT TOOLS

(including revenue stability, reserve accounts, and long-term liabilities)

WEAK

**EMPLOY VERY LOW-RISK FORECAST** 

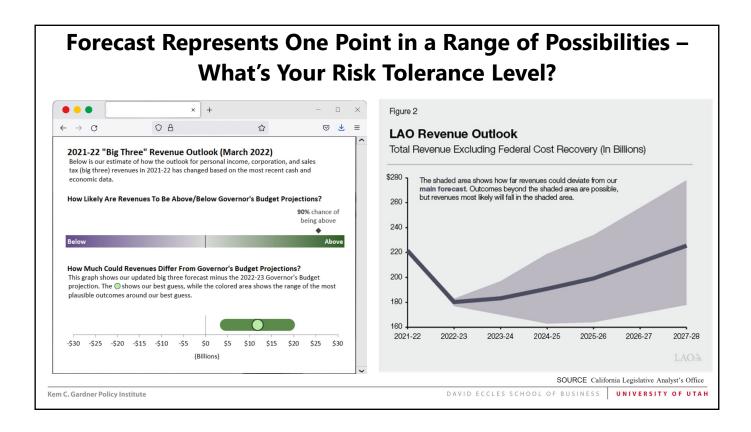
**EMPLOY 50-50 FORECAST** 

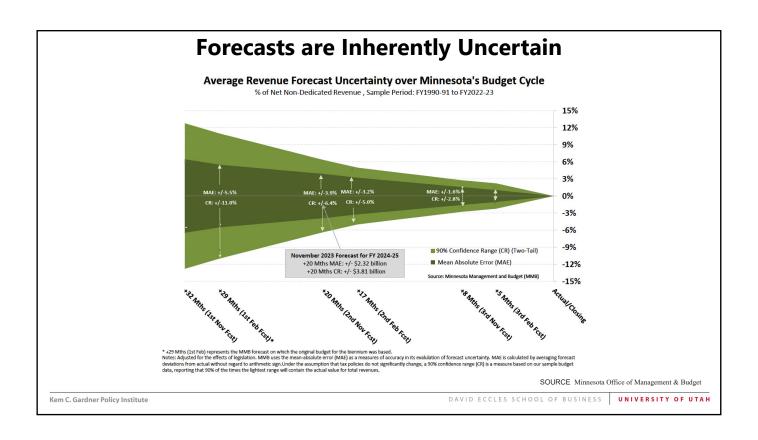
#### States control broad range of budget management tools

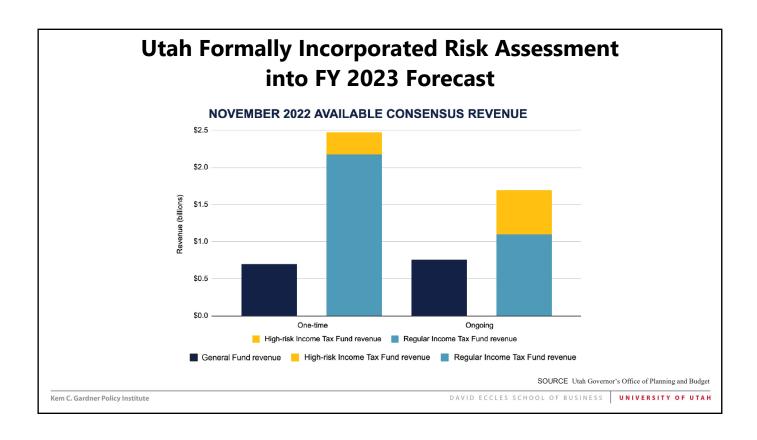
- Revenue system design
- Budget reserves
  - · Formal rainy day funds
  - · Other balances in special/restricted accounts
- Cash flow management
- State spending levels

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# Utah's Forecast Risk Assessment Kept Budget on Track When FY 2023 Revenues Closed Out Short of Target

#### Monthly State Revenue Snapshot July 2023

based on the Utah State Tax Commission Monthly Revenue Summary (Report TC-23)

	Projected Growth	YoY							
	Rate - February	Growth	Projected Range in Collections						
General Fund	Estimates (Annual)	Rate	Through 12 Months	<b>Actual Collections</b>	Year-End Forecast	Mar-23	Apr-23	May-23	Jun-23
Sales & Use Tax	6.4%	5.8%	\$2,968,000,000 - \$3,628,000,000	\$3,300,305,784	\$3,297,805,000	8.1%	6.4%	5.5%	5.8%
All Other Sources	28.9%	38.3%	\$688,000,000 - \$841,000,000	\$821,007,662	\$800,493,229	31.6%	31.9%	36.5%	38.3%
Subtotal General Fund	10.2%	11.0%		\$4,121,313,446	\$4,098,298,229	11.8%	10.5%	10.6%	11.0%
Sales & Use Tax Set-Asides	10.9%	7.9%	\$1,087,000,000 - \$1,328,000,000	\$1,154,077,713	\$1,207,400,759	11.3%	10.4%	10.0%	7.9%
Income Tax Fund/Uniform School Fund Individual Income Tax	-1.6%	-5.3%	\$5,997,000,000 - \$7,330,000,000	\$6,422,390,636	\$6,663,306,667	18.0%	-5.0%	-5.6%	-5.3%
Withholding Final Payments (plus SALT Passthrough)		4.9% -28.9%		\$4,968,133,093 \$1,454,257,543		5.2%	6.0% -27.6%	4.9% -28.7%	4.9% -28.9%
Corporate Tax	-16.5%	-7.0%	\$704,000,000 - \$861,000,000	\$874,639,803	\$782,651,333	-11.6%	-8.3%	-8.2%	-7.0%
All Other Sources	19.3%	82.6%	\$103,000,000 - \$126,000,000	\$107,643,434	\$114,556,667	76.5%	96.1%	86.6%	82.6%
Subtotal Income Tax Fund	-3.1%	-4.8%		\$7,404,673,873	\$7,560,514,667	14.9%	-4.8%	-5.4%	-4.8%
Subtotal GF/ITF/USF	1.2%	0.3%		\$11,525,987,320	\$11,658,812,895	13.7%	0.1%	-0.3%	0.3%

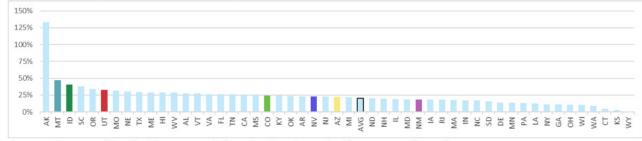
SOURCE Utah Governor's Office of Planning and Budget and Office of the Legislative Fiscal Analyst

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#### **State Revenue Forecast Accuracy**

For 2022, the legislatures of every state except Wyoming underestimated the amount collected in taxes and fees.

Fiscal 2022 Budget Underestimations by State



Note: Estimates reflect the figures used when the fiscal 2022 budgets were adopted. Source: NASBO, Fiscal Survey of States, Fall 2022. Utah Foundation calculations.

Source: Utah Foundation

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#### **State Revenue Forecast Accuracy**

General Fund Revenue Collections Compared To Original Revenue Projections (By Fiscal Year)



\*Fiscal 2024 figures were reported early in the fiscal year and are subject to change; not all states were able to report for fiscal 2024 at the time of data collection.

Source: National Association of State Budget Officers

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#### **High and Low Missed Forecasts Carry Different Risks**

#### Revenue forecast too high (year-end shortfall)

- Risks future budget cuts or tax increases
- Forecast miss leads to drawing down rainy day funds or other
- Most states hedge slightly to avoid shortfalls
- Managing from budget crisis to crisis undermines long-term strategic management, shifting focus to short-term pressures

#### Revenue forecast too low (year-end surplus)

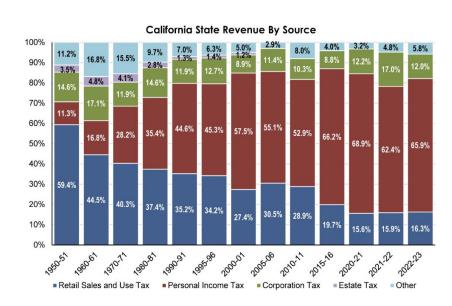
- Risks missing opportunities to productively use funds in highinflation economy
- · May shift funding from ongoing people-oriented programs to onetime object-oriented programs
- Consistent large under-forecast undermines credibility
- Collected funds spendable later
- Avoids forecast-driven future budget cuts or tax increases

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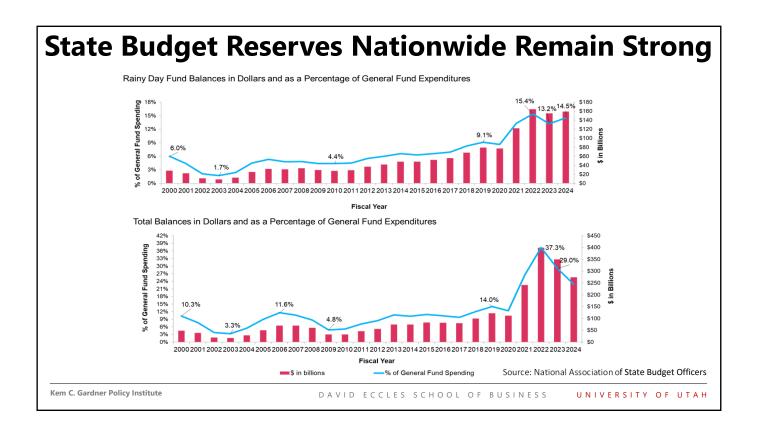
#### **System Design Impacts State Revenues**

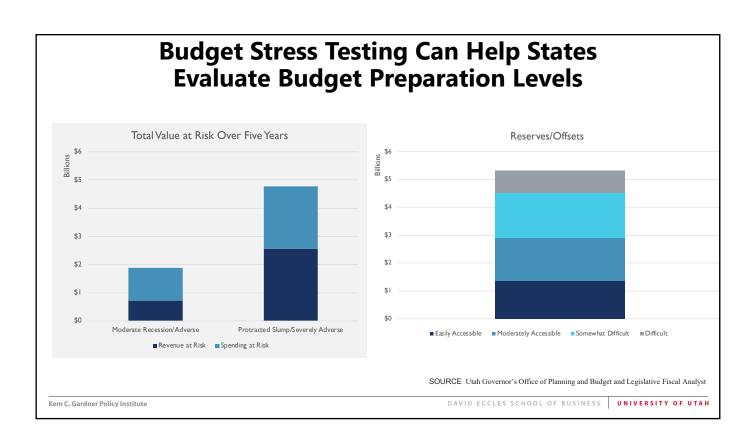


Like many states, California's tax system design has selected more volatile income taxes over time, increasing forecast challenges

SOURCE California Department of Finance

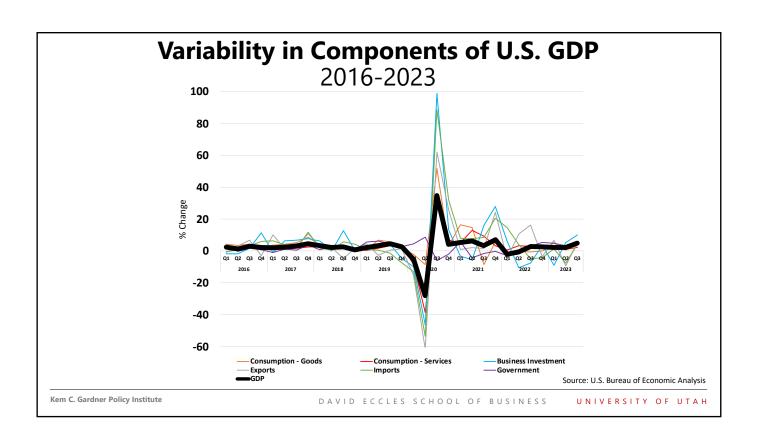
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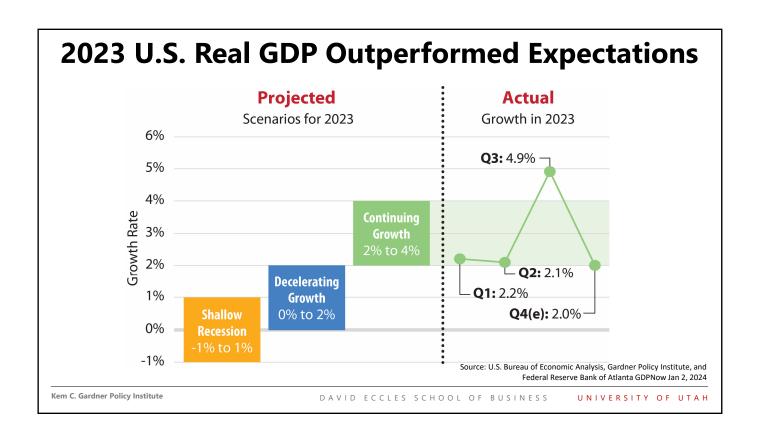


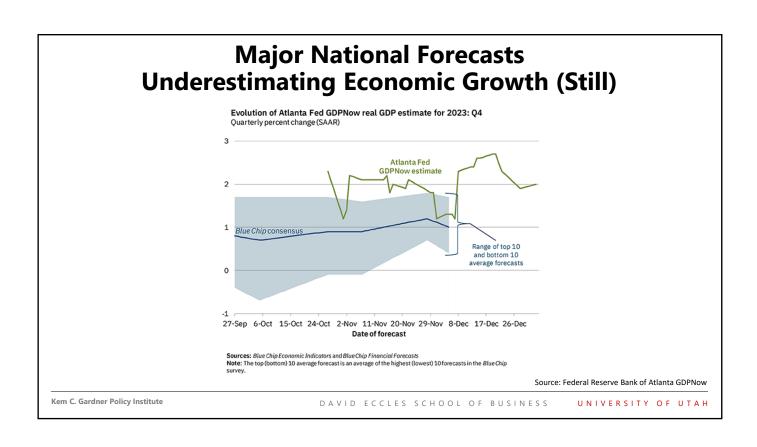


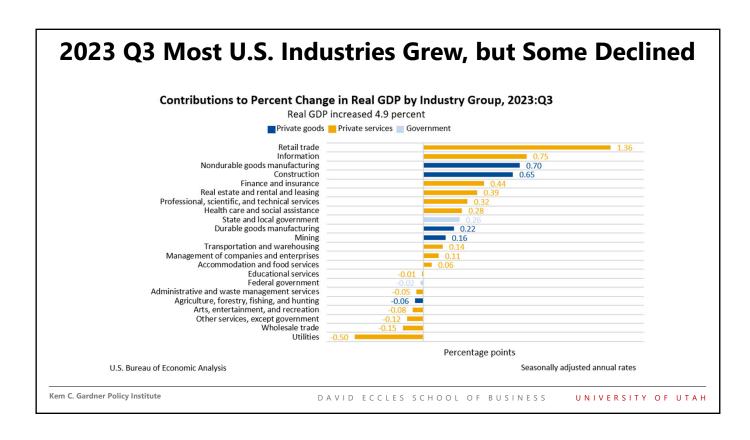
## **Current Economic Conditions**

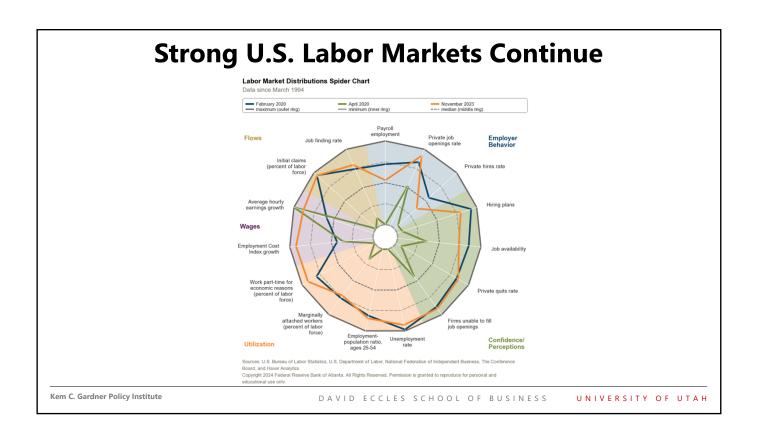
# **Stocks and Flows Generational Differences**

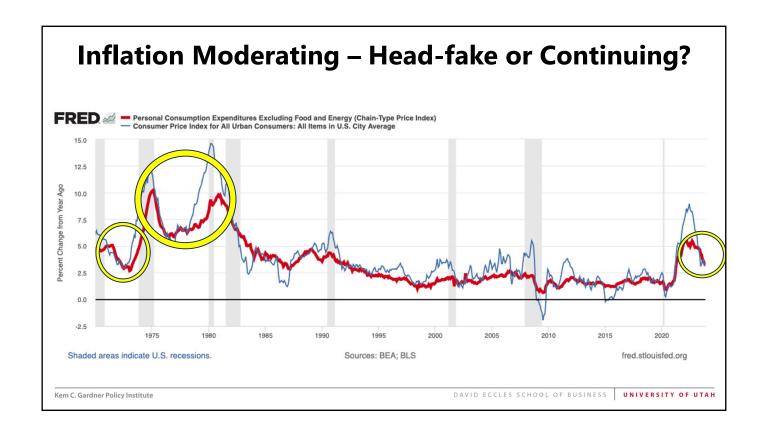


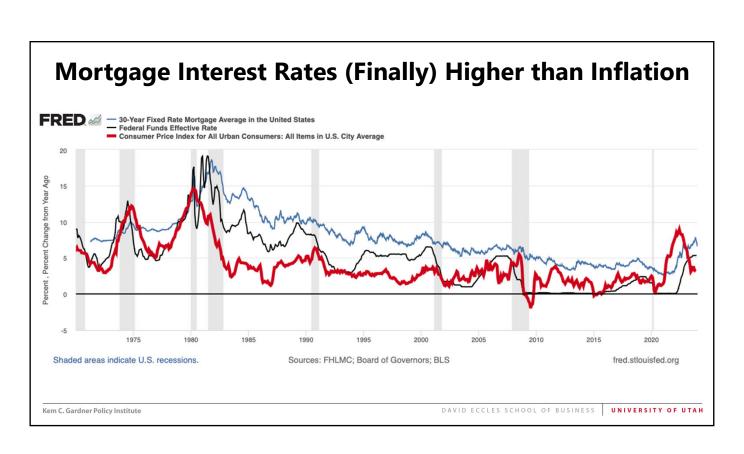


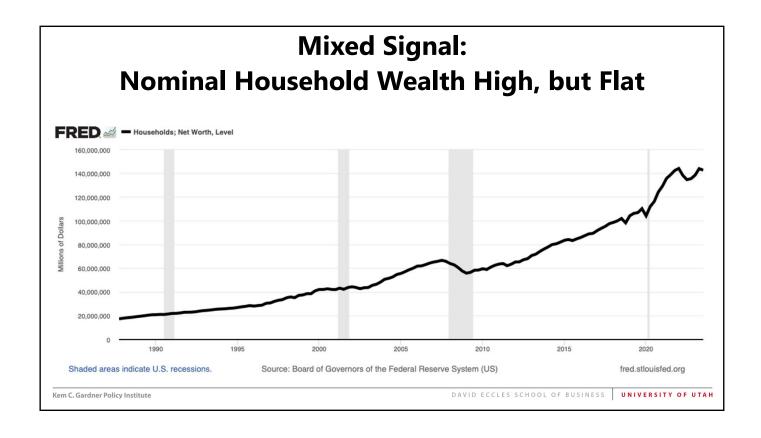


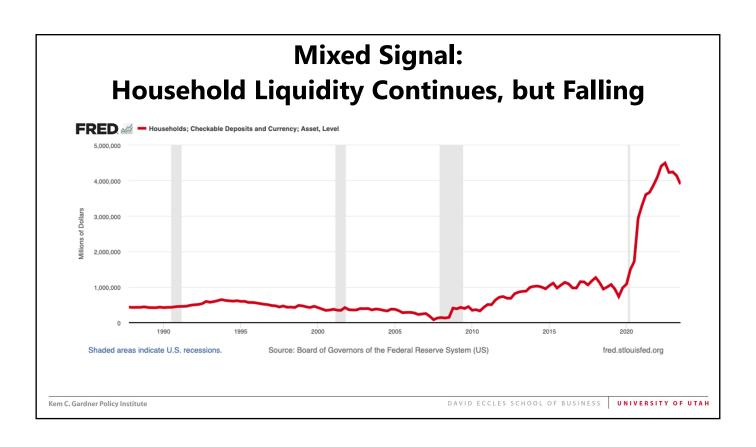


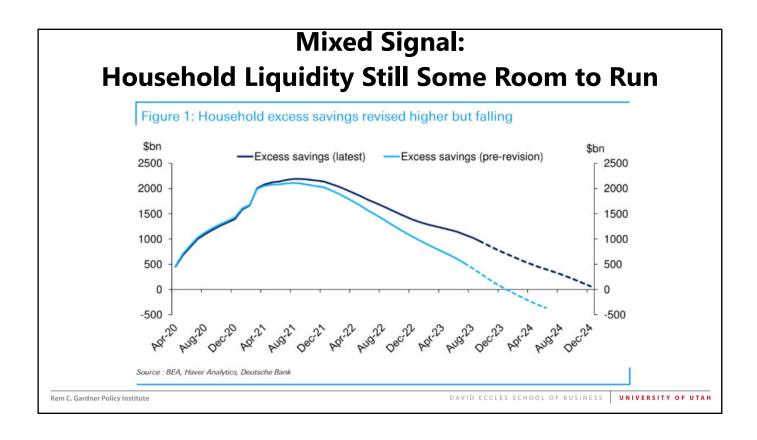


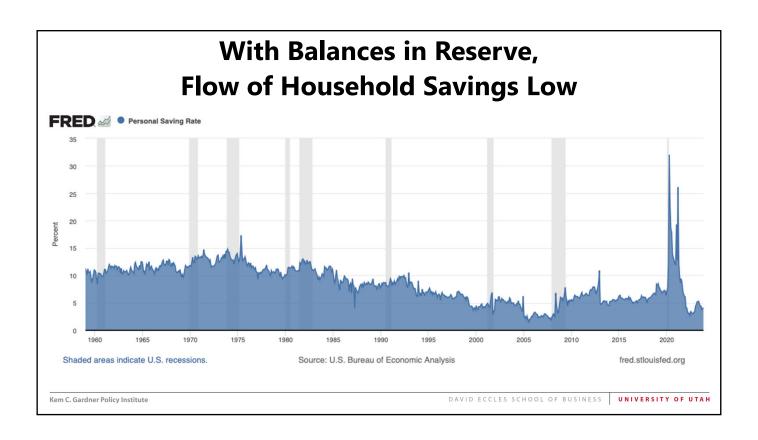


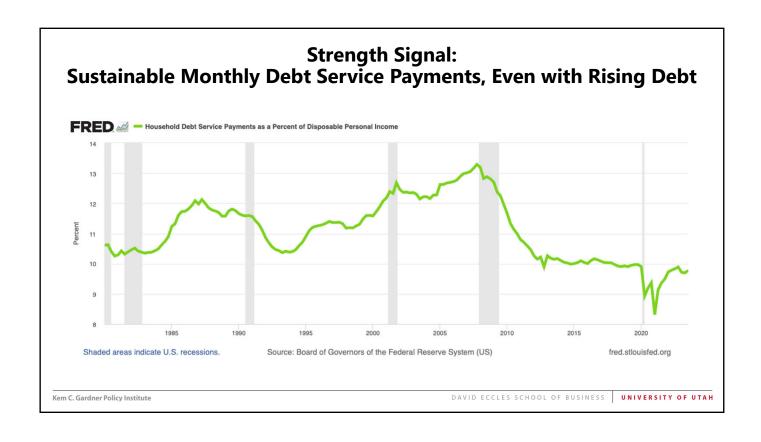


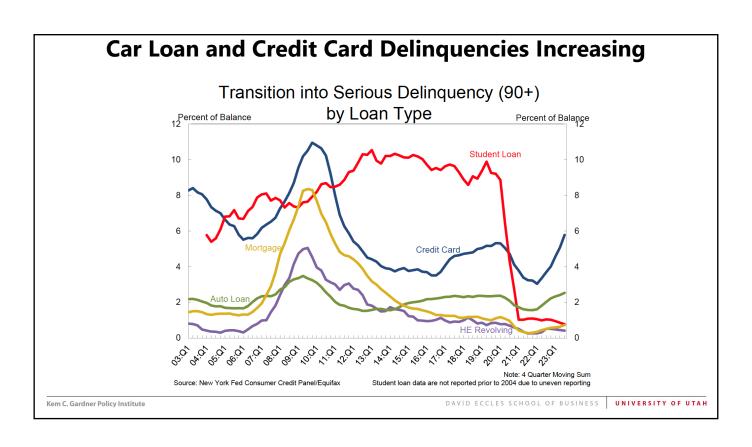


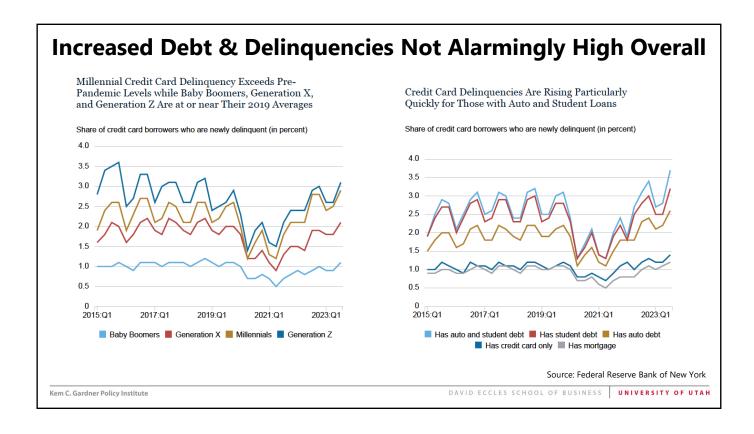












### **Recurring Takeaways**

- Economic re-sorting continues
- Structural (long-term) and cyclical (short-term) changes create pockets of strength and weakness
- Make your budget systems highly adaptable to rapidly changing conditions

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#### **Amidst Uncertainty, Build Resiliency**

- Interpreting past and present conditions challenging due to complex and highly uncertain economic environment. Forecasting future events even harder.
- Scenario plan and develop early warning systems
- Single-supplier "just in time" systems failed. Consider how you need to redesign your budget systems to enhance resiliency:
  - build appropriate protective buffers financial, personnel, supply chain, stock of supplies, etc.
  - (b) reliably deliver value during economy's ups and downs
  - seize opportunities that arise during uncertain times

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