

## SPECIAL MEETING OF THE CPS ENERGY BOARD OF TRUSTEES CONVENING AS THE RISK MANAGEMENT COMMITTEE TO BE HELD ON AUGUST 28, 2023

## LOCATION: CPS ENERGY BOARD ROOM (500 MCCULLOUGH AVE.) THIS MEETING WILL FOLLOW THE REGULAR BOARD OF TRUSTEES MEETING

At any time during the Board Meeting, the Board may go into an executive session as permitted by the Texas Open Meetings Act, (Chapter 551 of the Texas Government Code) regarding any item on this agenda.

#### **AGENDA**

ITEM	TOPIC	ACTION	PRESENTER/ SPONSOR
1	CALL TO ORDER	Execute	Mr. John Steen
2	PUBLIC COMMENT  Pre-Registration on Wednesday, August 23, 2022  5:00 PM – Friday, August 25, 2022 1:00 PM.  Dial (210) 353-4662 or email  PublicCommentRegistration@CPSEnergy.com	Discuss	Mr. John Steen
3	<ul> <li>APPROVAL OF:</li> <li>Minutes of the Risk Management Committee (RMC) meeting held on 12/19/2022</li> </ul>	Vote Mr. John Steen	
RISK N	IANAGEMENT COMMITTEE		
4	ENTERPRISE RISK & CONTROLS UPDATE	Discuss	Ms. Annamarie Rangel
5	CURRENT MACROECONOMIC ENVIRONMENT & RELATED RISKS (Mr. Eric Brown, PFM Financial Advisors)	Discuss	Ms. Annamarie Rangel
6	ERP PROGRAM FINANCIAL UPDATE	Discuss	Mr. Evan O'Mahoney
7	ADJOURNMENT	Execute	Mr. John Steen

If the Board meeting has not adjourned by 4:55 PM, the presiding officer shall entertain a motion to continue the meeting, postpone the remaining items to the next Board meeting date, or recess and reconvene the meeting at a specified date and time.

Draft for review and approval at the August 2023 meeting

## CPS ENERGY MINUTES OF THE SPECIAL MEETING OF THE BOARD OF TRUSTEES HELD ON DECEMBER 19, 2022

The Special Meeting of the CPS Energy Board of Trustees convening as the Risk Management Committee was held on Monday, December 19, 2022 in the Board Room on the First Floor of the CPS Energy headquarters located at 500 McCullough, San Antonio, Texas.

#### I. CALL TO ORDER

Committee Chair Dr. Romero called the meeting to order at 4:51 p.m.

#### Present were Board members:

Dr. Francine Romero, Chair

Ms. Janie Gonzalez

Dr. Willis Mackey

Mr. John Steen

Mayor Ron Nirenberg

#### Also present were:

Mr. Rudy Garza, Interim President & CEO

Ms. Shanna M. Ramirez, Chief Legal & Ethics Officer, General Counsel & Board Secretary

Mr. Cory P. Kuchinsky, Chief Financial Officer & Treasurer

Ms. Vivian Bouet, Chief Information Officer

Ms. Lisa Lewis. Chief Administrative Officer

Mr. Benny Ethridge, EVP

CPS Energy staff members

City of San Antonio officials

Interested Citizens

#### II. PUBLIC COMMENT

There were no members of the public wishing to provide public comment.

#### III. ENTERPRISE RISK & CONTROLS UPDATE

Mr. Jonathan Tijerina, Vice President of Enterprise Risk and Development, and Mr. Anthony Werland, Director of Enterprise Risk Management & Solutions, provided an update on enterprise risk and control activities CPS Energy facilitated and led to help strengthen the resiliency of the organization.

#### IV. AUDIT SERVICES UPDATE

This item was tabled.

Draft for review and approval at the August 2023 meeting

#### V. GAS COMPLIANCE & AUDIT OVERVIEW

This item was tabled.

#### VI. ADJOURNMENT

There being no further business to come before the Board, upon a motion duly made by Trustee Dr. Mackey and seconded by Mayor Nirenberg and upon an affirmative vote by all members present, the meeting was unanimously adjourned at 5:02 p.m. by Chair Dr. Romero.

Shanna M. Ramirez Secretary of the Board



# ENTERPRISE RISK & CONTROLS UPDATE

PRESENTED BY:

## **Annamarie Rangel**

Director, Enterprise Risk Management & Solutions (ERMS)

August 28, 2023

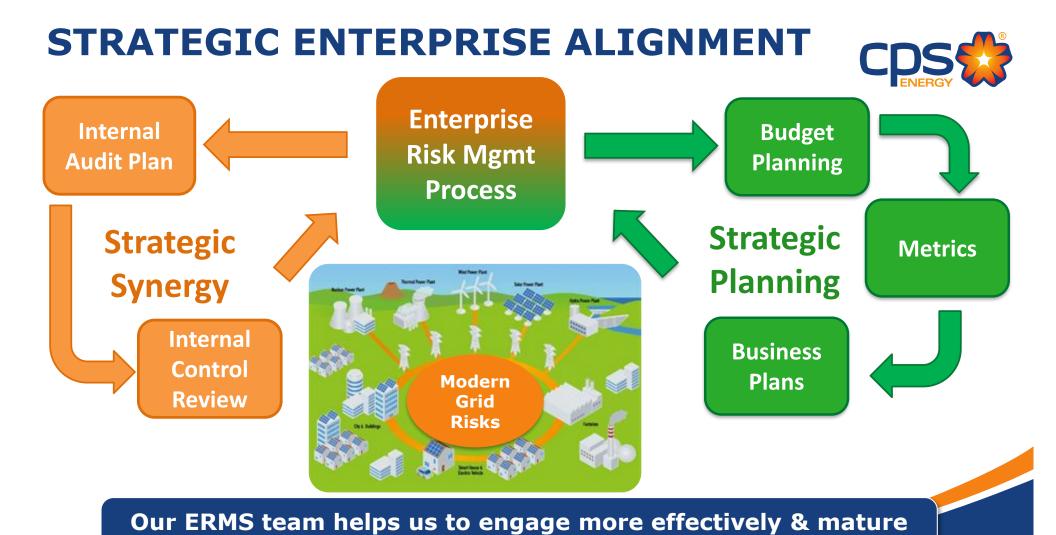
Informational Update

## **AGENDA**



- STRATEGIC ENTERPRISE ALIGNMENT
- CURRENT ENTERPRISE RISK MANAGEMENT & SOLUTIONS (ERMS) INITIATIVES
- ENTERPRISE RESOURCE PLANNING (ERP) RISK MANAGEMENT
- EMERGING RISKS





the enterprise risk & controls culture.

## **CURRENT ERMS INITIATIVES**



Enterprise Risk & Insurance			Internal Controls		
M	Partnering with leadership on risk mitigation planning & collaborating with the Business Planning & Budget teams to gain alignment	<u>, , , , , , , , , , , , , , , , , , , </u>	Collaborating with Risk Management, People & Culture, & Audit Services on enterprise risk & internal controls training		
8	Assessing credit & counterparty risk	= * * * * * * * * * * * * * * * * * * *	Reviewing risk mitigation plans to identify & assess internal controls		
== ×-	Leading insurance policy renewals & facilitating power plant engineering loss inspections	×↑ 6×	Developing & implementing an internal controls strategy		

ERMS continues to support the organization in a variety of ways to improve on our effectiveness of risk management.

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## **ERP RISK MANAGEMENT**

# The ERP Transformation is a complex & intense initiative that requires risk management to meet goals & objectives.

- Partnering with an independent verification & validation vendor (IV&V)
- Collaborating with the ERP Transformation team, Audit Services & Cyber Security
- Establishing a more robust process for overseeing & managing associated ERP project risks
- Allocating a resource to focus on the oversight of ERP risks



Common ERP Risks				
AAA	Roles & Responsibilities			
셤	Organizational Change Management			
૰૾૽ૢ૾ૢ૾૰	Data Governance			
	Security & Controls			

Enhanced oversight of the ERP Transformation will help ensure risks are transparent, prioritized & managed.

# EMERGING RISKS GARTNER BENCHMARK



## **Top Emerging Risks Timeline**

By Risk Score\*

Rank	3Q22	4Q22	1Q23	2Q23	
0	Macroeconomic Downturn	Escalation of Conflict in Europe	Evolving Sociopolitical Expectations	Third-Party Viability	
2	Key Material Shortages	Key Material Shortages	Third-Party Viability	Mass Generative Al Availability	
3	Energy Price Inflation	Stagflation Expectations	Critical Infrastructure Failure	Financial Planning Uncertainty	
<u> </u>		Critical Infrastructure Financial Planning Failure Uncertainty		Cloud Concentration Risk	
5	Escalation of Conflict in Europe	Financial Planning Uncertainty	China Trade Tensions	China Trade Tensions	
Source: 2Q23, 1Q23 4Q22, 3Q22 Gartner Emerging Risk Surveys Risk Score Q1 2023 and Earlier: SQRT (Impact x Inverse Time Frame) x Frequency Selected as a Top 10 Emerging Risk Q2 2023 and Ongoing: Cube Root (Impact x Inverse Time Frame x Frequency Selected as a Top 10 Emerging Risk Rescaled)  4 © 2023 Gartner, Inc. and/or its affiliates. All rights reserved.					

Several of our risks align with the top emerging risks identified in Gartner's quarterly survey.

Source: 2Q23 Gartner Emerging Risks Report

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# FOCUSED EMERGING RISK MACROECONOMIC UPDATE





PFM, one of our Financial Advisors, will provide their assessment of current macroeconomic developments.

/



## Thank You





# **Current Macroeconomic Environment & Related Risks**

Presented by: Eric Brown, Director

August 28, 2023

PFM Financial Advisors LLC

4350 N. Fairfax Drive Suite 590 Arlington, VA 22203 703.741.0175 **pfm.com** 



## **Agenda**

- Overview of Macroeconomic Outlook, Drivers, and Risks
  - Inflation
  - Labor Markets
  - Federal Reserve and Monetary Policy
- Cost of Borrowing
- Geopolitical Risks
- Implications for Public Power Utilities



### Macroeconomic Outlook Remains Murky, but Optimism Slowly Emerging

- Mixed economic data points but growing optimism that recession can be avoided in 2023-2024, despite most aggressive Fed tightening in decades
  - Inflation has declined but continues to impact prices and outpace Fed targets
  - Labor market has remained resilient but is gradually cooling
- Despite optimism, tightening lending conditions increases risk of recession, including one driven by governance or geopolitical risks that come to fruition
- Recent flash points:
  - Regional banking crisis (March 2023)
  - Debt ceiling standoff (May/June 2023)
  - Fitch downgrade of US Government & GSEs to AA+ (July 2023)
  - Moody's downgrade of banking sector (August 2023)

Moody's Bank Rating Actions on August 7, 2023					
Downgrades	Review for Downgrade	Negative Outlooks			
M&T Bank	Cullen/Frost	Simmons First National			
Webster Financial	Bank of New York Mellon	Fifth Third			
BOK Financial	U.S. Bancorp	F.N.B. Corp.			
Fulton Financial	Truist	Citizens Financial			
Pinnacle Financial	State Street	Capital One			
Old National	Northern Trust	<b>Huntington Bancshares</b>			
Prosperity Bancshares		PNC			
Amarillo National		Regions Financial			
Associated Banc-Corp		Cadence Bank			
Commerce Bancshares		Ally Financial			
		Bank OZK			
Source: Moody's					

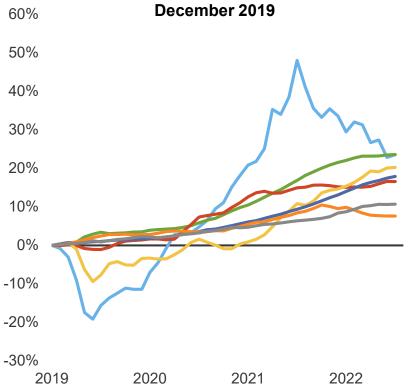
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### Headline Inflation Easing, but Still Elevated

Elevated inflation for a prolonged period increases the risk that future inflation expectations become entrenched at a higher level and lead to wage-inflation spiral

#### **Price Change of Major CPI Components Since**



CPI Component	Change	Weight	to YoY CPI
Energy	-16.7%	6.9%	-1.1%
Food	5.7%	13.4%	0.8%
Transportation	8.2%	5.9%	0.5%
Goods	1.4%	21.4%	0.3%
Shelter	7.8%	34.7%	2.7%
Medical services	-0.8%	6.4%	0.0%
Other Services <sup>1</sup>	4.0%	11.3%	0.5%
Overall	3.0%		

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Contribution

Source: Bureau of Labor Statistics as of July 2023.

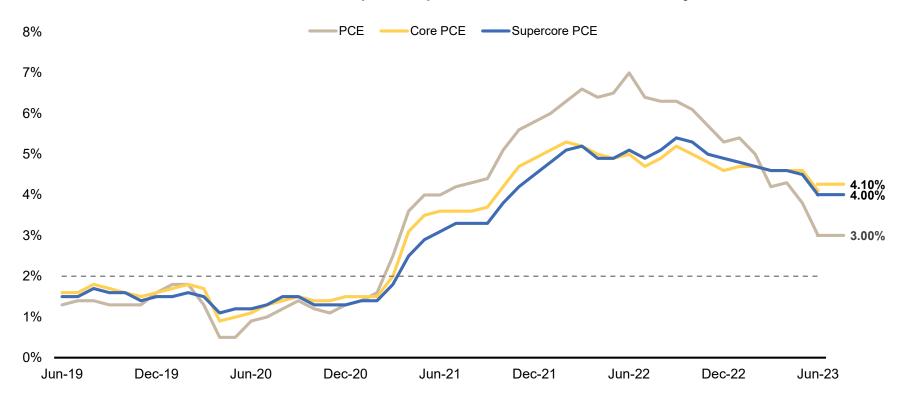
10ther services is a weighted blend of Water/Sewer/Trash, Household Operations, Recreation, and Education and Communication services.



## **Key Supercore Inflation Rate Considered by Fed Remains Sticky**

Policymakers, economists, and forecasters often track "core" inflation (price growth excluding food and energy) because it tends be a better predictor of future overall inflation than overall inflation itself

#### Personal Consumption Expenditure Price Index, Year-over-year



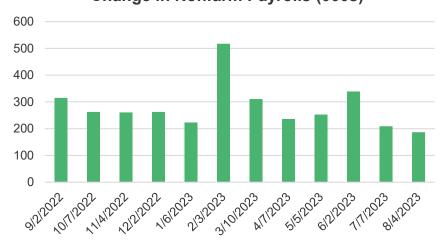
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### **Labor Markets Remain Resilient But Expected to Cool**

- Labor data has remained strong, pointing to an economy capable of weathering a period of rapid interestrate increases
- Expectation is for tighter conditions to impact labor market in the second half of 2023

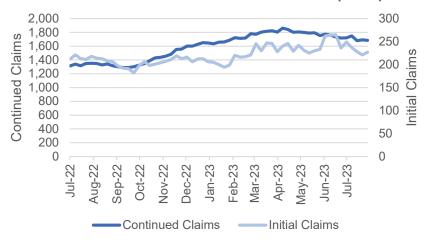
## Change in Nonfarm Payrolls (000s)



#### **Unemployment Rate**



#### **Initial and Continued Jobless Claims (000s)**



Source: U.S. Employment and Training Administration and Bureau of Labor Statistics. Retrieved from FRED, Federal Reserve Bank of St. Louis as of August 10, 2023.



#### Fed Resumes Rate Hikes After Brief Pause

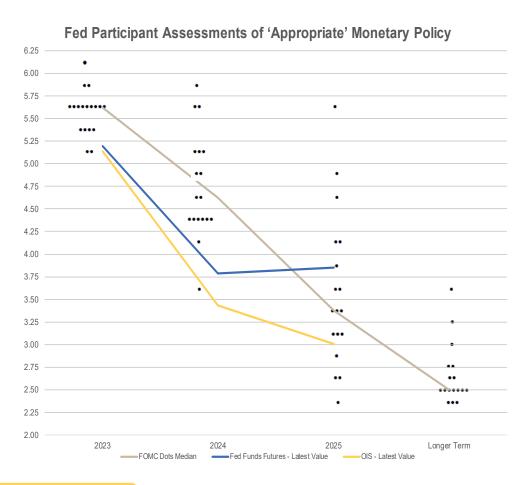
#### Press release dated July 26, 2023:

- "Recent indicators suggest that economic activity has been expanding at a moderate pace.
   Job gains have been robust in recent months, and the unemployment rate has remained low.
   Inflation remains elevated."
- "The U.S. banking system is sound and resilient. Tighter credit conditions for households and businesses are likely to weigh on economic activity, hiring, and inflation. The extent of these effects remains uncertain. The Committee remains highly attentive to inflation risks."
- "The Committee seeks to achieve maximum employment and inflation at the rate of 2 percent over the longer run. The Committee is strongly committed to returning inflation to its 2 percent objective."
- "In support of these goals, the Committee decided to raise the target range for the federal funds rate to 5-1/4 to 5-1/2 percent."
- "The Committee will continue reducing its holdings of Treasury securities and agency debt and agency mortgage-backed securities."



## Market Increasingly Forecasting No Additional Fed Funds Rate Hikes

## Federal Reserve Board staff now forecasts <u>no recession</u>, but FOMC participant projections trail market expectations



(As of August 7, 2023) <sup>2</sup>							
Meeting	# Hikes / Cuts	%Hike / Cut	Implied Rate $\Delta$	Implied Rate			
09/20/2023	0.1	0.1%	0.030%	5.359%			
11/01/2023	0.4	0.2%	0.091%	5.419%			
12/13/2023	0.2	-0.1%	0.060%	5.389%			
01/31/2024	-0.1	-0.4%	-0.036%	5.293%			
03/20/2024	-0.7	-0.6%	-0.181%	5.147%			
05/01/2024	-1.4	-0.7%	-0.352%	4.977%			
06/12/2024	-2.2	-0.8%	-0.551%	4.778%			
07/31/2024	-3.0	-0.8%	-0.746%	4.583%			
09/18/2024	-3.8	-0.9%	-0.961%	4.368%			
11/07/2024	-4.6	-0.8%	-1.153%	4.176%			
12/18/2024	-5.2	-0.6%	-1.300%	4.029%			
01/29/2025	-5.7	-0.5%	-1.416%	3.913%			

Implied Fed Funds Rate Probability

<sup>2</sup>Source: Bloomberg, as of August 7, 2023.

<sup>&</sup>lt;sup>1</sup>Source: Federal Reserve as of July 26, 2023. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end.



### Cost of Borrowing Has Increased on Fed Actions and Economic Outlook



	Consensus Bond Yield Forecast (As of August 7, 2023)						
Average Forecasts	Curr.	Q3 23	Q4 23	Q1 24	Q2 24	Q3 24	Q4 24
30-Year UST	4.24%	3.91%	3.84%	3.78%	3.73%	3.73%	3.71%
10-Year UST	4.08%	3.75%	3.64%	3.54%	3.48%	3.45%	3.42%
5-Year UST	4.16%	4.01%	3.86%	3.71%	3.57%	3.47%	3.40%
2-Year UST	4.78%	4.65%	4.41%	4.07%	3.80%	3.58%	3.41%
3M Term SOFR	5.37%	5.32%	5.32%	5.05%	4.69%	4.32%	4.00%

- Interest rates have increased substantially and are projected to remain high, with datadependent periods of volatility
- Projections reflect expectations of resilient economy that allows the Fed to keep rates higher for longer, but changes to outlook will impact rates going forward
- As a highly-rated essential service utility, CPS Energy remains well-positioned to achieve competitive rates relative to the market



### **Geopolitical Risks Could Dramatically Alter Economic Landscape**

- **US-China strategic competition.** US-China relations appear to be on a negative trajectory, with Taiwan being the biggest flash point. China has increased its military presence in the South China Sea and there is growing concern that US-China trade tensions could escalate into further financial decoupling, impacting the global economy.
- Russia Ukraine war. Neither side appears likely to produce a near-term complete victory or agree to a settlement or ceasefire. While war persists, there is the risk of intentional or accidental escalation.
- Major cyber attack(s). Cyber attacks are increasing in scope, scale and sophistication.
   Repercussions of sustained disruption to critical infrastructure could include a wide-ranging impact on financial markets and the economy.
- **Gulf tensions.** Confrontation over Iran's nuclear program remains a risk. Violence in the West Bank and Gaza has been increasing and could inhibit further progress.
- Climate risks. More frequent and severe weather events such as floods, wildfires, hurricanes, and droughts, which can damage infrastructure, disrupt supply chains, and displace residents, leading to resource scarcity and economic instability.
- Major terror attack. Attack leading to significant loss of life and commercial disruption.



### Implications of Macroeconomic Environment for Public Power Utilities

Proactive management of risks related to macroeconomic landscape takes on heightened importance in an uncertain and rapidly shifting macro environment

- Potential for a renewed inflationary cycle if Federal Reserve eases monetary policy too quickly, further impacting capital and operating costs
- ...or a recession impacting customer growth and affordability if monetary policy is held too tight for too long or external events tip the scales at a vulnerable time
- Difference between how markets and the Federal Reserve see the outlook for the economy underscores likelihood of continuing financial market volatility
- Geopolitical events have become a persistent driver of markets and the economy, with direct and long-lasting impacts, and fallout could dramatically alter the landscape
- In the meantime, cost of capital is higher and lending conditions are tightening, which will lead to increasing borrowing and liquidity costs<sup>1</sup>



#### **Disclosures**

Research and forecasts are based on current public information, as of the date of this presentation (or as of such date as may be specified in the presentation), that we consider reliable, but we do cannot guarantee its accuracy, completeness or suitability. This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation. The information, opinions, estimates and forecasts contained herein are as of the date hereof are subject to change without prior notification.

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# ERP PROGRAM FINANCIAL UPDATE

PRESENTED BY:

**Evan O'Mahoney** 

Chief Information Officer (CIO)

August 28, 2023

Informational Update

## **AGENDA**



- PROGRAM ACTIVITIES SUMMARY
- INFORMING OUR ESTIMATES
- PROGRAM FINANCIAL SUMMARY

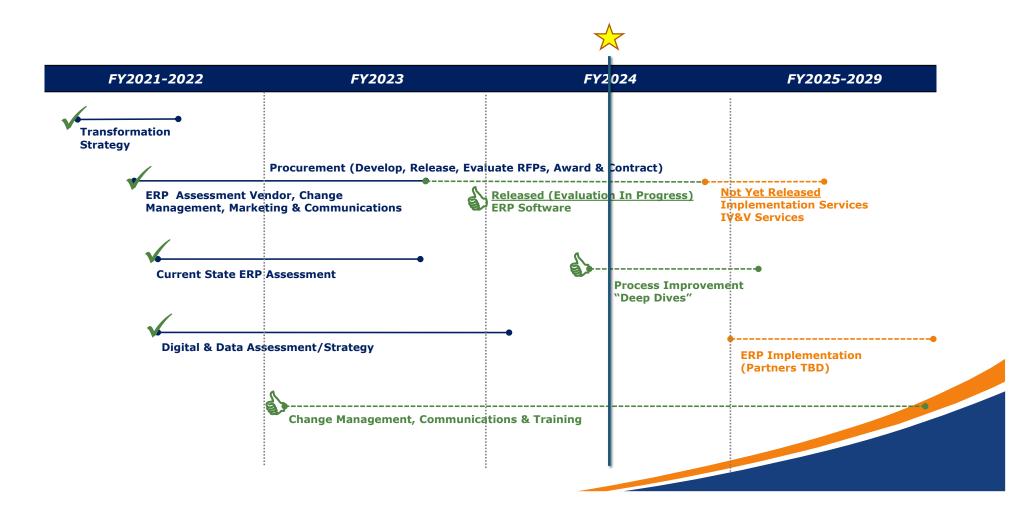
Significant progress across detailed planning activities has informed the development of a financial forecast to support our ERP Transformation Program.

2

## **PROGRAM ACTIVITIES SUMMARY**

## **PROGRESS BY FISCAL YEAR**





## WHAT INFORMED THE NUMBERS

#### **CURRENT & FUTURE STATE WORKSHOPS**



**SMEs Engaged** 

TIS

490

**Workshops Held** 



**187** 

**Business Capability Reviewed** 



18



Pain Points Captured



Functional Requirements



Workshop Hours

Two third-party vendor assessments completed to inform implementation approach, business case development and transition strategy.

## **PROGRAM FINANCIAL SUMMARY**

#### PLANNING & IMPLEMENTATION PHASES



#### **Planning** Activities

#### \$42 M

- Planning activities through FY2025 Q3
- Current/future state assessments
- Request for Proposal (RFP) development for technology, implementation & IV&V partners
- activities to de-risk implementation



#### \$262 M

- Developed with input by thirdparty vendors
- Informed by program scope included in RFP
- Includes design & implementation activities
- Assumes work begins FY2025 Q3 and completes in FY2029 Q4

**Total Program** Estimate<sup>1</sup>

\$304 M

• 70% Complete

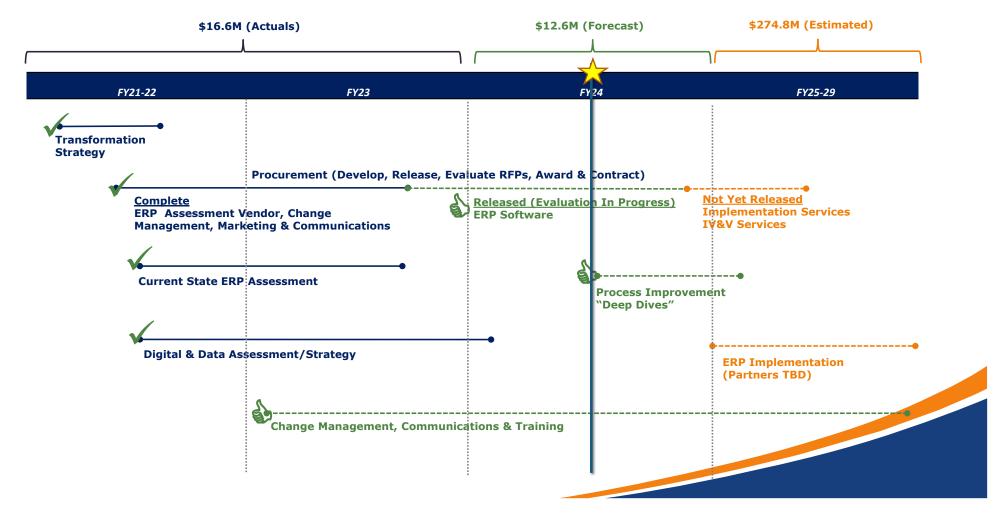
<sup>1</sup>Total program estimate informed by current known variables and may be adjusted based on future organizational, technology and market conditions.

Foundational

## **PROGRAM FINANCIAL SUMMARY**

## CDS

### **INVESTMENTS BY PROGRAM PHASE**





## Thank You