



Montana Office of Public Instruction

# Data Modernization Project Status & Overview

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Aug 2022





# Data Modernization Overview

- \$13.5 M CARES and ARPA funding appropriated to OPI by Montana legislature

## 4 Main Areas

- ❖ Student Management
  - ❖ (~\$2.45 M)
- ❖ Educator Management
  - ❖ (~\$1.5 M)
- ❖ Fiscal Management
  - ❖ (~\$3 M)
- ❖ Digital Management
  - ❖ (~\$3 M)

## Data Systems Modernization Goals

- Reduce # of different data systems & processes
- Automate workflow, increase security and add to a better user experience
- Enhanced analytics enabling OPI and districts to make targeted decisions and identify risk before they become issues impacting students and educators

## Financial Considerations

- Total Appropriations - \$13,475,248.00
- House Bill 630 (ESSER II)
  - ✓ \$8.0M Obligated by September 30, 2023
- House Bill 632 (ESSER III)
  - ✓ \$5.475M Obligated by September 30, 2024

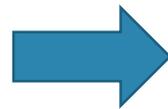


# Data Modernization Objective and Current Activities

The data modernization program is a complex project with over 73 different data collection systems at the OPI that are being inventoried and analyzed.

## Program Outcomes

- Unduplicated data collection from the field
- Automation
- User Simplification
- Sustainability
- Satisfaction
- Ongoing Improvement



## Current Activities

K-12 Data Task Force & Stakeholder Input

### Teacher Licensure

- ❑ Teach Montana System (TMT) went live June 01, 2022

### Student(SIS)

- ❑ Infinite Campus Capabilities/ Integration of legacy systems
- ❑ PowerSchool Discussions

### OPI

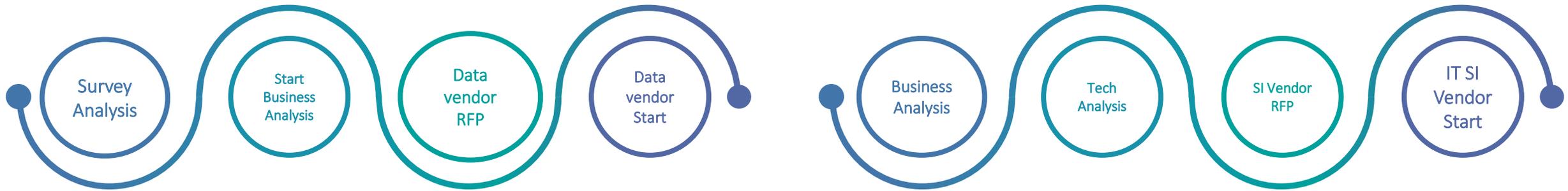
- ❑ RFP for Assessment of System needs Released
- ❑ System ties
- ❑ Project Plan and Direction

### Digital Infrastructure

- ❑ Single Sign-On Modernization – Project went live July 2022 over 30 systems in production
- ❑ Analysis of a Data Lake Platform System and Snowflake Technology



# Data Modernization Core Activities



**July 2022**

Assess survey response to identify common & high priority requirements. Initial process for business requirements approach & strategy

**July 2022**

Identify and confirm core business stakeholder & manage expectations for business requirements sessions & meetings. Review & manage expectations with respect to session objectives

**Aug 2022**

Release data vendor RFP via procurement process.

**Deliverables**

- Current State Inventory Assessment (Scoping)
- Current State Data Quality Assessment
- Current State Reporting Assessment
- Current State Risk & Issues
- Future State Recommended Solution
- Future State Conceptual Solutions Design
- Road Map and Cost Model for System Implementation

**Oct 2022**

Onboarding data vendor & contract start. 3-month effort.

**Oct 2022**

Comprehensive business requirements & rules, including prioritization, review & sign-off by business stakeholders.

**Feb 2023**

Data vendor deliverables due adhering to SOW, Contract & OPI expectations for technical analysis. Assessment to be used in SI vendor RFP development

**Mar 2023**

Release of System implementation services RFP for OPI Data Modernization. Suggested RFP model includes RFP overall budget to include software license, managed services for implementation & year 1 maintenance support

**June 2023**

System implementation vendor commence services for June 30<sup>th</sup>, 2024, deliver of complete OPI data modernization solution



# Data Modernization Workstreams & 2-Yr Timeframe

Activities	2022									2023												2024	
	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	2024	
Survey Analysis			█																				
Biz Requirements							█																
Data Vendor RFP	█																						
Data Vendor Selection					█																		
Data Vendor Analysis							█																
SI RFP						█																	
SI Vendor Selection												█											
Implementation*															█								

\*Implementation timeline will continue until June 30, 2024



# Data Systems Modernization Budget Snapshot

Fiscal Year	FY2022 Projected Spend	FY2023 Projected Spend	FY2024 Projected Spend
ESSER Data Recruitment	\$250K		
Systems Analysis - RFP	\$250K		
DSM System Integrator - RFP		\$1mil	
Student Management		\$1.475mil	\$925K
Educator Management	\$500K	\$300K	\$200k
Fiscal Management		\$1.5mil	\$1.5mil
Digital Infrastructure Management		\$1.55mil	\$350K
DSM Contractors	\$692K	\$805K	\$195K