Montana Office of Public Instruction

Data Modernization
Project Status & Overview

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Zam Alidina, Project Manager

Aug 2022
Data Modernization Overview

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

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

**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 30th, 2024, deliver of complete OPI data modernization solution

**Survey Analysis**
**Start Business Analysis**
**Data vendor RFP**
**Data vendor Start**
**Business Analysis**
**Tech Analysis**
**SI Vendor RFP**
**IT SI Vendor Start**

**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
## Data Modernization Workstreams & 2-Yr Timeframe

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<thead>
<tr>
<th>Activities</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<td>Implementation*</td>
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*Implementation timeline will continue until June 30, 2024*
# Data Systems Modernization Budget Snapshot

<table>
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<tr>
<th>Fiscal Year</th>
<th>FY2022 Projected Spend</th>
<th>FY2023 Projected Spend</th>
<th>FY2024 Projected Spend</th>
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