



NAVIGATING THE DATA MODERNIZATION JOURNEY: PROJECT STATUS AND OVERVIEW

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OPI DATA MODERNIZATION PROJECT PURPOSE

1. Streamline Data Collections from the Schools

Automate to simplify the data path to OPI

2. Innovation

- Implementation of Unified Insights to display and analyze data in real-time
- Enabling school leaders to make data driven decisions with built in analysis tools
- Deploying analytical tools allow for evidence-based interventions to impact student performance
- Presenting school data allows parents a view into their school's performance metrics

3. Application Simplification

- Applications to be decommissioned:
 - Teacher Employment(TEAMS) & Montana State Educator Information System(MSEIS)
 - Infinite Campus/Teach Montana
 - Growth & Enhancement of Montana Students(GEMS) Unified Insights
- Roadmap to remaining application modernization/upgrade Report from Assessment Workshops





OPI DATA MODERNIZATION PROJECT OVERVIEW

1. Vendor Selected - PowerSchool

- Commercial off the Shelf Products
- Experienced and proven in educational market

2. Evaluation of Current State:

- Data security/Family Educational Rights and Privacy Act (FERPA) of 1974
- Application/Database assessment
- Cloud migration assessment

3. Future State:

- Simplified data collection process
- Data analytics capabilities for schools and OPI
- Ability to facilitate secured data sharing
- Dynamic data visualization tools for community



OPI DATA MODERNIZATION PROJECT ACTIVITIES

Application Assessment Workshops Conducted

Joint Team Workshops

- Application purpose
- Application functions
- Application architecture
- Database connections
- Data Classification
- Application disposition
 - Shortfall
 - Areas of concern
- Areas of improvement
- Stability

SPEDApplicationPortal SPEDGrantAward SPEDImports SPEDMonitoring SPEDPostSchoolSurvey SPEDReporting SPEDReportingInternal

SPEDReportingInternal SPED CRM/Legacy School Discipline EdLicensure

PDUPS(RUPS) Renewal Units

HUB

MTPULPPortal.org

Advanced Drivers Education

HSEqulivalency

MSEIS TMT

Distance Learning GEMS OPICalendar

Central

Contacts (CRM) (Subsystem

used by AIM) OPIWebsite ValidCodes/Legacy

EdFacts MHSA

ReadOnlyViews

AIM

AIMSnapshots

AIMSnapshotsStaging Jira ServiceManager

Single Sign-On

RCT Vendor Management

Contacts (CRM) Audit

County SchoolDirectory

Payment ImpactAid Travel Transportation

Tax Credits for Educational

Donations Perceptive

OPICentralizedFunctionality

Allocations

Law Book Distribution

MAEFAIRS EGrants

Cash Receipts/Legacy system

GEMS GEMS API SABHRS

Direct Certification

MAPS

SchoolDiscipline

LACES HUB

AdvancedDriverEducation Title Monitoring System

YRBS

AccountabilityTracking/Legacy

SPED CRM/Legacy

AS21
TMT
Assessment
SystemOfCare
TEAMS
ISAP

CSIP EdLicensure MSEIS

RUPS RenewalUnits

MTPLPortal DistanceLearning

TEDRS

HSEquivalency
MontCAS
OPI Intranet
MTJobsForTeacher

MTJobsForTeachers NonPublicSchool OPIReportingCenter OPIStandards / Legacy





CORE FEATURES OF THE VENDOR PRODUCTS

- 1. Unified Insights will assist schools and OPI with data analytic tools:
 - Facilitates schools in making data driven decisions to enhance student outcomes
 - Provides technical and data analytic tools
 - Early warning system using artificial intelligence/predictive analytics to identify at risk students
- 2. Community Engagement will enhance OPI's ability to publicly display:
 - Demographic information
 - Enrollment /Attendance
 - Statewide assessment data
 - Graduation and dropout
 - School expenditure data
- 3. Connected Intelligence will facilitate and enhance data sharing with:
 - Data lake technology
 - Data collection and integration tools
 - Data governance tools for data sharing

4. Benefits:

- Building the data lake consolidates data location
- Better analytical and data representation
- Enhanced data security





ADDRESSING STATUTE COMPLIANCE

Comprehensive Data Integration:

• Connected Intelligence ensures seamless integration of diverse data sources, aligning with Montana's House Bill 367 and 949 mandates for data consolidation across the education landscape.

Holistic Student Insights:

 Unified Insights provides a unified view of student data, facilitating compliance with Montana's <u>House Bill 367</u> by enabling educators to gain comprehensive insights into individual student performance and needs.

Individualized Academic Enhancement:

 Unified Insights/Risk Analysis supports the intent of <u>House Bill 949</u> by allowing educators to leverage student data to tailor academic interventions and identify at risk students which will ultimately improve student outcomes.

Robust Data Security:

• Connected Intelligence/Unified Insights adhere to Montana's <u>House Bill 367</u> and <u>949</u> security requirements by implementing data encryption protocols, role-based access controls, regular security audits, safeguard sensitive student information, and ensures compliance with data protection standards.

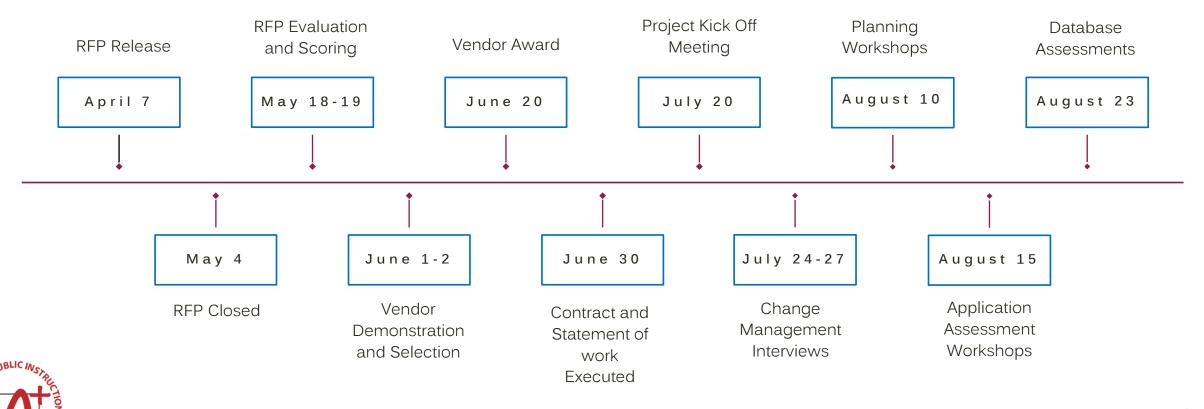
Secure Data Sharing:

Connected Intelligence aligns with the security provisions of Montana's <u>House Bills 367</u> and <u>949</u> by enabling controlled and encrypted data sharing between institutions, while maintaining strict privacy controls to prevent unauthorized access and protect student confidentiality.



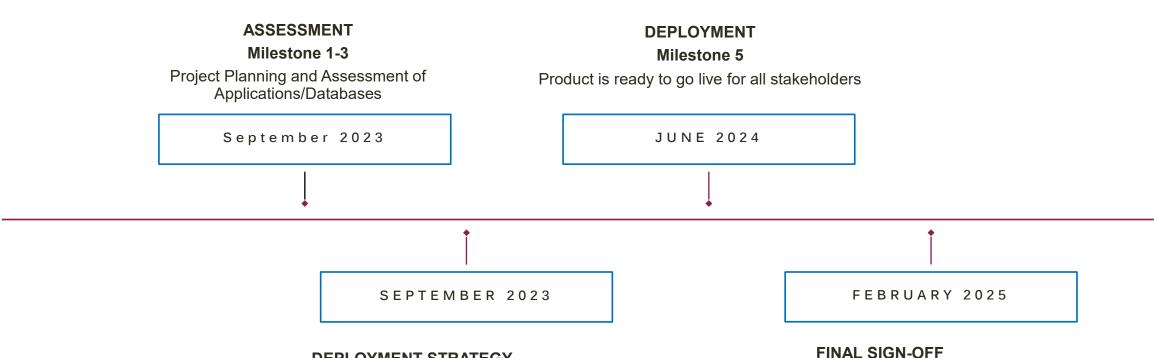
DATA MODERNIZATION

PROJECT TIMELINE



PROJECT MILESTONES

PROJECT TIMELINE





Unified Insights/Connected Intelligence Implementation for Schools and State

Project Completion



PROJECT COSTS

PAYMENT SCHEDULE

	Subscription & Deployment Service Cost	Annual Increase %	Annual Increase \$	Subtotal	Managed Services	Annual Increase %	Annual Increase \$	Subtotal	Invoice Total
Initial 3 Year Term 7/1/23 - 6/30/26									
7/1/2023	\$2,929,556.31								\$2,929,556.31
7/1/2024	\$2,304,507.44	1.9%	\$43,786.97	\$2,348,364.41	\$284,750.00			\$284,750.00	\$2,633,114.41
7/1/2025	\$2,348,364.41	3.8%	\$89,237.85	\$2,437,602.26	\$284,750.00	3.8%	\$10,820.50	\$295,570.50	\$2,733,172.76
Total Contract Amount								\$8,295,843.48	
Option Contract Term 7/1/26 – 6/30/28									
7/1/2026	\$2,437,602.26	3.8%	\$92,628.89	\$2,530,231.14	\$295,570.50	3.8%	\$11,231.68	\$306,802.18	\$2,837,033.32
7/1/2027	\$2,530,231.14	3.8%	\$96,148.78	\$2,626,379.93	\$306,802.18	3.8%	\$11,658.78	\$318,460.66	\$2,944,840.59



