

# NAVIGATING THE DATA MODERNIZATION JOURNEY: PROJECT STATUS AND OVERVIEW

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Putting Montana Students First **A+**



# 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:

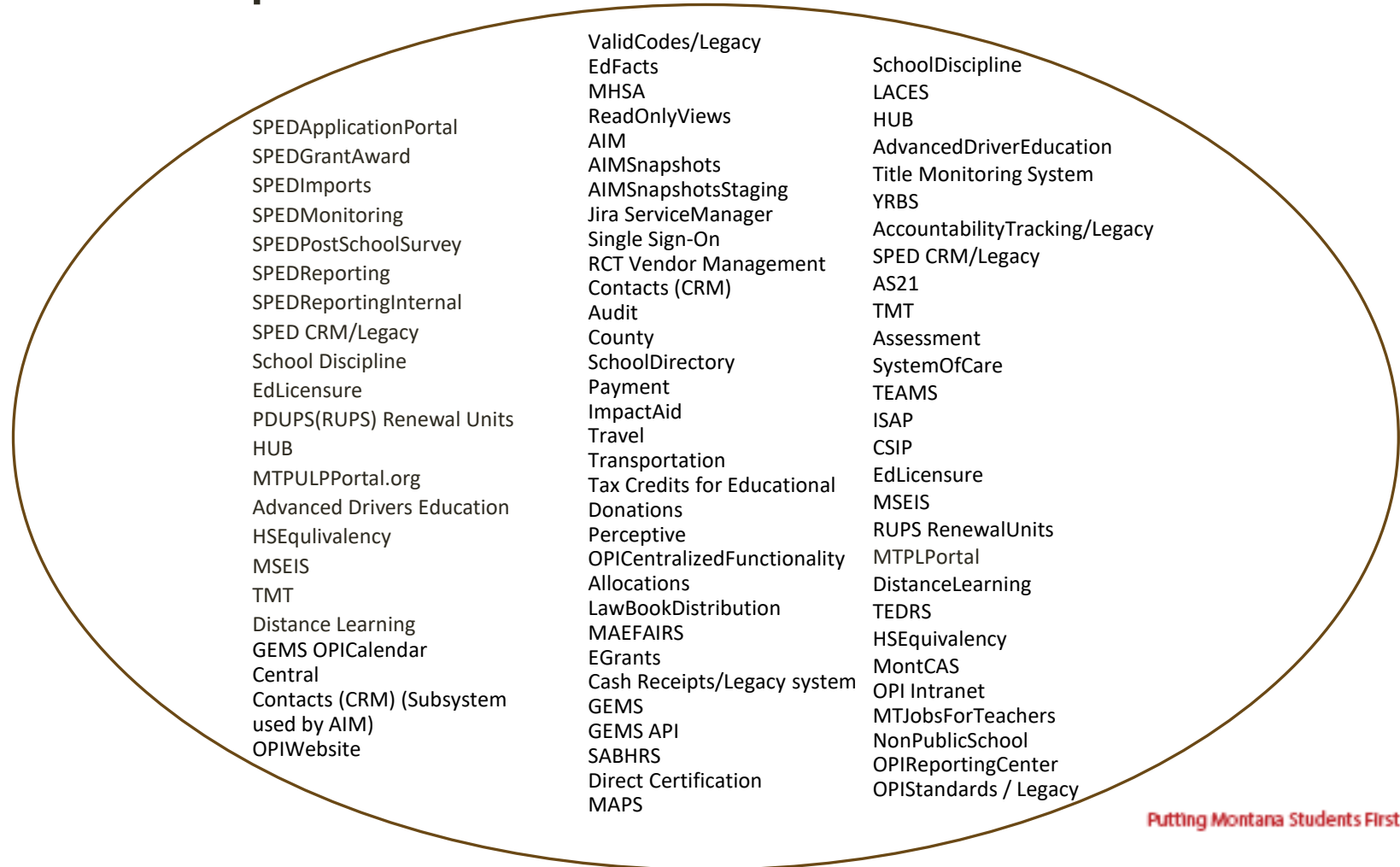
- Simplified data collection process
- Data analytics capabilities for schools and OPI
- Ability to facilitate secured data sharing
- Dynamic data visualization tools for community

# 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



# 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 [House Bill 367](#) by enabling educators to gain comprehensive insights into individual student performance and needs.

- **Individualized Academic Enhancement:**

- Unified Insights/Risk Analysis supports the intent of [House Bill 949](#) 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:**

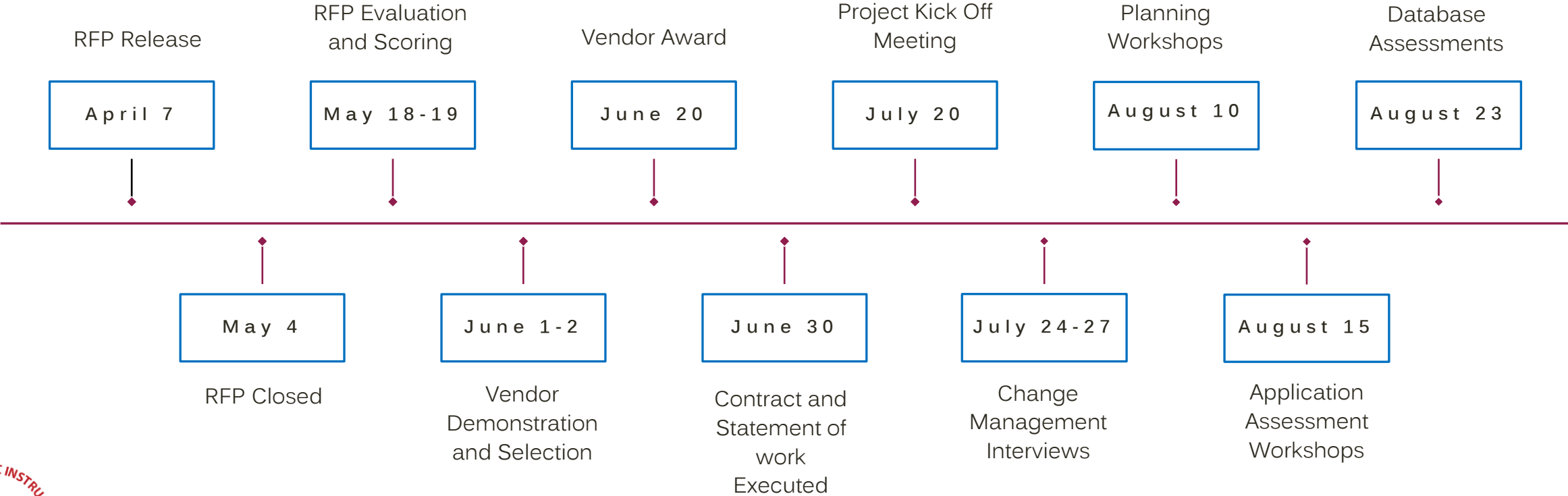
- Connected Intelligence/Unified Insights adhere to Montana's [House Bill 367](#) and [949](#) security requirements by implementing data encryption protocols, role-based access controls, regular security audits, safeguard sensitive student information, and ensures compliance with data protection standards.

- **Secure Data Sharing:**

- Connected Intelligence aligns with the security provisions of Montana's [House Bills 367](#) and [949](#) by enabling controlled and encrypted data sharing between institutions, while maintaining strict privacy controls to prevent unauthorized access and protect student confidentiality.

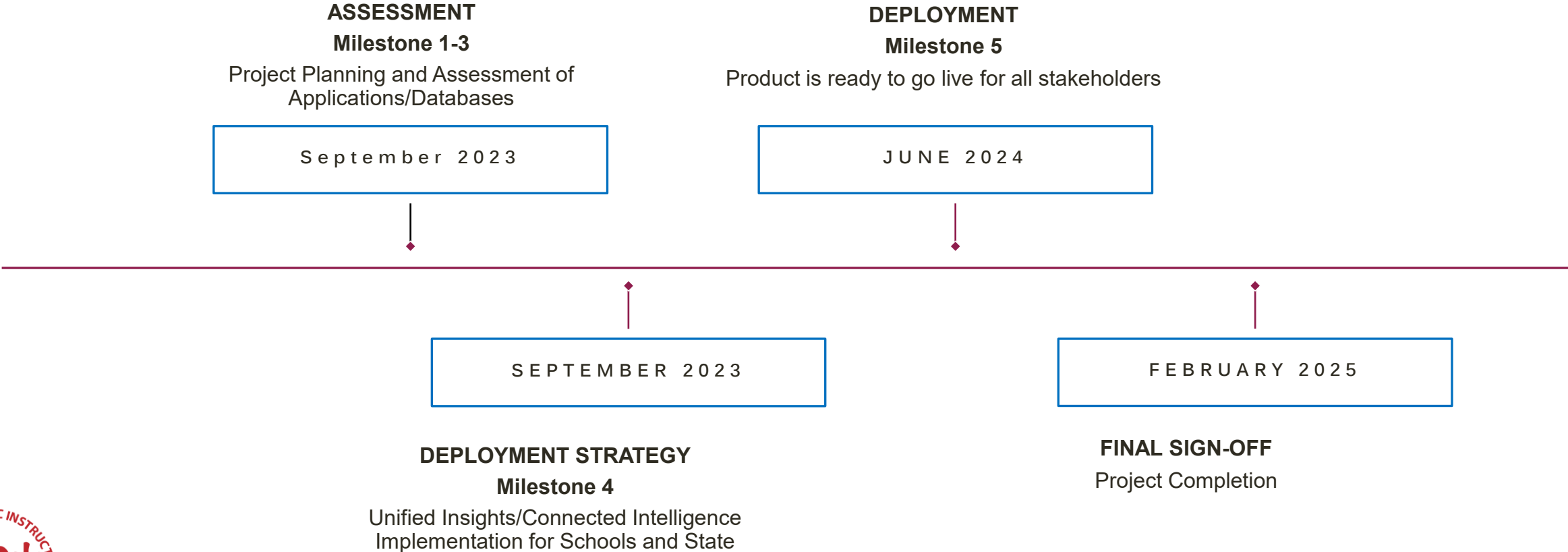
# DATA MODERNIZATION

## PROJECT TIMELINE



# PROJECT MILESTONES

## PROJECT TIMELINE





# PROJECT COSTS

## PAYMENT SCHEDULE

	Subscription & Deployment Service Cost	Annual Increase %	Annual Increase \$	Subtotal	Managed Services	Annual Increase %	Annual Increase \$	Subtotal	Invoice Total
<b>Initial 3 Year Term 7/1/23 – 6/30/26</b>									
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
<b>Total Contract Amount</b>									<b>\$8,295,843.48</b>
<b>Option Contract Term 7/1/26 – 6/30/28</b>									
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

 Paid Invoice

