

Data Aggregation System – Statewide Accountability System

1. **Purpose:**

The ESSB 6032, 501, (46) proviso was provided solely for the Office of the Superintendent of Public Instruction to procure and implement a reporting and data aggregation system. ESSB 6032, 501 (47) proviso was provided to develop and implement a statewide accountability system to address absenteeism and to improve student graduation rates.

2. **Description of Services Provided:**

All services provided were in support of two goals aligned with the purpose of the proviso: (1) implement a reporting and aggregation system (the Washington State Report Card); and (2) implement a statewide accountability system to address absenteeism and improve student graduation rates (the Tableau Secure Data Portal)

The following activities were carried out by the project team in FY19 to support the above goals:

- A. Maintained the Tableau Server technical environment, which maintained secure district access to Tableau visualizations to support the implementation of the statewide accountability system and provided a platform for the new Every Student Succeeds Act (ESSA) Report Card. Tableau licenses and maintenance is updated on an annual basis. The equipment order included:
 - Professional desktop license and 1yr maintenance
 - Server-Core Enterprise license and 1yr maintenance
- B. Documented the process to move data from disparate databases across OSPI into the Tableau Server. Documentation is critical to ensuring consistent calculation of measures as well as repeatable processes over time.
- C. Worked with subject matter experts in the agency to ensure the measure definitions and use of data in visualizations was appropriate, meaningful, and accurate.
- D. Supported OSPI data analysis work at the agency and program level for agency data-driven collaboration.
- E. Enhanced Data Governance efforts, including governance of the data and reporting that exists in the Tableau environment to drive policy and improve data quality and performance.
- F. Released the Washington State Report Card in December, 2018 and then released additional content and enhancements monthly thereafter through June, 2019. The December release met the federal requirements under ESSA. Subsequent releases added new content not required under ESSA, such as kindergarten readiness and discipline rates as well as additional enhancements, such as a new way to search for schools or districts. ,
- G. Provided schools and districts access to data visualizations and student-level data to assist in identifying successful strategies and systems to drive improvement as required under ESSA. The measures under ESSA include absenteeism and graduation rates, but also include math and ELA proficiency, student growth, English learner

progress, 9th grade on-track and dual credit participation. All measures are disaggregated by race/ethnicity, income, disability, foster care, military family, and English learner status. This ensures that the performance of all student groups is visible and if a student group is underperforming at a school the school can get the necessary supports to improve performance.

3. **Criteria for receiving services and/or grants:** N/A

of OSPI staff associated with this funding (FTEs): .4

of contractors/other staff associated with this funding:

- 1 – Business Analyst
- 2 - Developer
- ? – Existing OSPI staff

FY 19 Funding:	State Appropriation:	\$720,000
	Federal Appropriation:	\$0
	Other fund sources:	\$0
	TOTAL (FY19)	\$720,000

4. **Are federal or other funds contingent on state funding? If yes, explain.** No.

5. **State funding history:**

Fiscal Year	Amount Funded	Actual Expenditures
FY19	\$720,000	\$719,587
FY18	\$590,000	\$513,681

6. **Number of beneficiaries (e.g., schools, students, districts) history:**

Fiscal Year	# of Districts
FY19	296
FY18	296

7. **Programmatic changes since inception (if any):** OSPI is utilizing the Tableau Server as the central repository and primary environment to manage and promote data for use by school districts and for public reporting through the Washington State Report Card. The Tableau Server is being used by the student, educator, and finance data domains with Tableau workbooks being built for use by OSPI program experts; school districts; and public reporting to support implementation of our federal accountability system which includes reducing absenteeism and increasing graduation rates.

8. **Evaluations of program/major findings:** The program was able to successfully meet the goals identified in ESSB 6032, 501, (proviso 46 & 47). Procuring and standing up the Tableau

server technical environment was key to this success because it allowed OSPI to host the Washington State Report Card, the federally required reporting and aggregation system, as well as supporting district data use aligned with our federal accountability system which addresses absenteeism and graduation rates. The Washington State Report Card provides school, district, and state-level reporting for all of the measures required under ESSA. The data provided to districts through the Tableau Secure Data Portal allows districts to use data for school improvement in ways not available previously.

9. **Major challenges faced by the program:** The projects funded by ESSB 6032, 501 (46) and (47) are connected and dependent on each other. This created challenges with managing the timing of the Report Card project and the implementation of the Tableau server since both provisos were needed to complete the project. Additionally, OSPI was simultaneously undergoing a webpage redesign project, which created some additional dependencies and additional uncertainty about appropriate technical and visual development of the Report Card.
10. **Future opportunities:** Funding from these provisos provided a foundation for further enhancement and expansion of data use by OSPI, school districts, and the public. This includes an increased ability to create visualizations using student, teacher, and finance data that can be shared with different audiences. It includes a central governance process for projects that use the Tableau server meaning greater cohesiveness to how we present data to different audiences. This also includes greater capacity to provide school districts with data that is useful to support school improvement efforts that address absenteeism and graduation as well as other barriers that get in the way of student success.
11. **Statutory and/or Budget language:**

Budget Proviso: ESSB 6032, (46) \$440,000 of the general fund—state appropriation for fiscal year 2018 and \$270,000 of the general fund—state appropriation for fiscal year 2019 are provided solely for the office of the superintendent of public instruction for the procurement and implementation of a reporting and data aggregation system that will connect state- and district-level information to secure and protect district, school and student information in order to close student performance gaps by assisting school districts in data-driven implementation of strategies and supports that are responsive of student needs.

The ESSB 6032, (47) \$150,000 of the general fund—state appropriation for fiscal year 2018 and \$450,000 of the general fund—state appropriation for fiscal year 2019 are provided for the superintendent of public instruction to develop and implement a statewide accountability system to address absenteeism and to improve student graduation rates. The system must use data to engage schools and districts in identifying successful strategies and systems that are based on federal and state accountability measures. Funding may also support the effort to provide assistance about successful strategies and systems to districts and schools that are underperforming in the targeted student subgroups.

12. **Other relevant information:** None

13. **List of schools/districts receiving assistance:** All schools and districts are receiving some form of support under Washington state's accountability model. The support is tiered depending on whether the school is identified as needing comprehensive, targeted, or foundational supports. The data tools and supporting processes and tools are available to all schools and districts.

14. **Program Contact Information:**
 - Deb Came
Assistant Superintendent, Student Information
Deb.came@k12.wa.us
360-725-6336

 - Tennille Jeffries-Simmons
Assistant Superintendent
Tennille.jeffries-simmons@k12.wa.us
360-725-6503

 - Steven Young
Chief Information Officer
Steven.young@k12.wa.us
360-725-6134