

Iowa Department of Management
Rebuild Iowa Infrastructure Fund Appropriation Status Report (8.57)
Technology Reinvestment Fund Appropriation Status Report (8.57C)
December 2022

Project:

Iowa Electronic Grant Management System - IowaGrants.gov

Description:

IowaGrants.gov is an all-inclusive grant identification portal and a comprehensive enterprise-wide grant management system. The system is available to all state agencies at no additional cost to them as the costs are paid entirely by the appropriation. For state agencies that administer a variety of state and federal competitive and pass-through grant programs, it eliminates the costs of continued investments in the development and operation of agency-unique grant management systems. The system provides public and private entities seeking funding through state administered grant programs, a single portal to search for open solicitations or ongoing grant programs. External users of the system include city and county entities, all of Iowa's school districts, non-profit organizations, as well as the general public.

Currently, lowagrants.gov successfully interfaces with the state's I3 financial system for ease of payments to subcontractors. In December 2022 Iowa migrated to a new version of lowagrants.gov. It was built by the vendor at no additional cost to the state based on the specific needs of Iowa users.

Progress of Work:

The project continues to solicit the use of IowaGrants.gov by all state agencies that award grants. The following statistics highlight the progress of IowaGrants.gov:

Participating Agencies in 2008/2009 = 2-3
Participating Agencies Nov 2022 = 17

Participating Organizations 2008/2009= 419
Participating Organizations Nov 2022 = 4,249

Participating Programs in 2008/2009 = 10
Participating Programs Nov 2022 = 136

Attachments 2008/2009 = 967 files
Attachments Nov 2022 = 841,710 files

Users in 2008/2009 = 569
Users Nov 2022 = 26,498

Database Size 2008/2009 = 25 MBs
Database Size Nov 2022 = 7.9 GBs

Funding History:

FY09 Pooled Tech	\$455,000
FY11 Pooled Tech	\$414,311
FY13 TRF	\$125,000
FY15 TRF	\$100,000
FY16 RIIF	\$ 50,000
FY17 RIIF	\$ 50,000

FY18 TRF	\$ 50,000
FY19 TRF	\$ 70,000
FY 20 TRF	\$ 50,000
FY 21 TRF	\$ 70,000
FY 22 TRF	\$ 70,000
FY 23 TRF	\$ 70,000

2022 IA Acts, Chap. 1150, Sec. 3.8b

Amount of Funds Expended:

(Since Inception)
\$1,492,303 as of November 28, 2022

Amount of Funds Obligated:

(Since Inception)
\$1,411,124 – through June 30, 2023

FY22 Total Cost: \$51,984

FY23 Total Cost through October: \$18,090

Iowa Department of Management

Technology Reinvestment Fund Appropriation Status Report (8.57C)

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Project:

Local Government Property Valuation (Phase 1) and Online Budget and AFR System (Phase 2) and Online City and School Budgets and Amendments (Phase 3) and ongoing improvements.

Description:

Phase 1

During Phase 1, the Department of Management [DOM] updated the VALS application to a web-based application. This application manages valuations uploaded by county auditors by January 1st each year. The program creates numerous reports and performs statutory processes to finalize and certify property tax rates and to report to county auditors by June 15. The system is used by all local levy authorities including cities, schools, etc. to access their property valuation data in order to complete their statutorily-required budgets. The system is also used by other State of Iowa agencies, researchers and members of the public who seek property valuation and tax rate information.

Phase 2

DOM receives annual budgets from over 3,500 local government entities, including cities, schools, counties, townships, assessors, county hospitals and various miscellaneous districts. DOM also receives annual financial reports from cities, counties and Rural Improvement Zones. Currently, all but cities, schools and community colleges use an online application, which is due for an upgrade. Phase 2 of the project includes the development of an all-encompassing online application to be used by all local government entities (including cities, schools and community colleges) to submit budgets and for county auditors to certify local budgets. Those entities submitting annual financial reports to DOM would also use the same system. This online application blends with the valuation application to result in a better user experience and expansion of data reporting available to all users (local government as well as public).

Phase 3

Although school and city budgets were intended to be included in Phase 2 of the application development, resources were depleted before this came to fruition. Therefore, DOM sought additional funding for Phase 3 which included development of the school online functionality and finishing requirements to bring cities online for FY22. Phase 3 also included the development of online amendment forms, which allows all the local governments completing their budgets via this online application to also amend their budgets via the application. In turn, those amendments are available for the public to search and view on our site. This functionality was completed via excel spreadsheets and was not available via our public facing web site. City budgets came on line for FY22 budgets.

Budget amendments were available in the fall of 2020 to use for amending FY21 for all but schools. FY23 school budgets were completed via our online system and amendments to the FY22 school budgets came online as well.

With Phase 3 complete, all local government budgets and their amendments are completed and available to the public via one online application.

Progress of Work Completed:

Phase 1 (COMPLETE)

- The PVAL application was completed during FY18 and available to all users in November 2018.

Phase 2 (COMPLETE)

- The county and city Annual Financial Reports were available to users in October 2019.
- All budgets except for City and School were available in December 2019. Resources were depleted before City and School budgets were brought online, therefore the work on that functionality was pushed to Phase 3.
- Additional functionality including reporting capacity and public facing view of data were available early in the 2020 calendar year.

Phase 3 (COMPLETE)

- School budgets to be available for the FY23 reporting year.
- School budget amendments to be available for the FY 2022 budget year.

ONGOING

- Improvements to user experience for the valuation system users, including improvements to reports and availability of statewide data.
- Improvements to the budget system for users, including error messages, helpful pop ups, prefilling data and print options.
- Improving security and user settings
- Potential development of repository for all long term debt schedules

As of 11/30/2022-\$2,031,515 has been spent of the \$2,184,000.

Revenue Sources:

FY 18 Technology Reinvestment Fund	\$600,000	2017 Iowa Acts, Chap. 173, Sec. 4.6c
FY 19 Technology Reinvestment Fund	\$600,000	2018 Iowa Acts, Chap. 1162, Sec. 3.6c
FY 20 Technology Reinvestment Fund	\$120,000	2019 Iowa Acts, Chap. 137, Sec 3.9c
FY 21 Technology Reinvestment Fund	\$624,000	2020 Iowa Acts, Chap. 1120, Sec. 3.9c
FY 22 Technology Reinvestment Fund	\$120,000	2021 Iowa Acts, Chap. 167, Sec. 3.8c
FY 23 Technology Reinvestment Fund	\$120,000	2022 Iowa Acts, Chap. 1150, Sec. 3.8c

Development Expenses:

\$2,031,515 has been expended towards development as of 11/30/22

Operational Expenses:

Per OCIO, the following maintenance efforts are estimated. Resources are billed at the hourly Applications Development Consulting rates.

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5 ¹
62-123 hours	45 - 90 hours	62-123 hours	45 - 90 hours	62-123 hours
LGB				
YEAR 1	YEAR 2	YEAR 3	YEAR 4 ¹	YEAR 5 ¹
62-123 hours	45 - 90 hours	62-123 hours	45 - 90 hours	62-123 hours

Statement of Work was executed in September 2017 for Phase 1, August 2018 for Phase 2 and May 2020 for Phase 3.

Completion Date of Project:

The application for valuation and tax rate processes and data was made available to users in November 2018 (Phase 1). County and city Annual Financial Reports were available to users October 2019. County, emergency management, 911, assessor, ag extension and hospital budgets were available mid-December 2019, with all other budgets (except for schools and cities) available later December/early January 2020. Although school and city budgets were part of the initial Statement of Work, they were not completed within Phase 2 allotted resources. Phase 3 included city budgets and budget amendments for all local governments and schools. Ongoing project work includes improving the functionality of the system for users and for public access.

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Project:

Transparency Project (Searchable Database)

Description:

The Transparency Project involves the development and implementation of an internet-based, searchable portal providing public access to budget, financial, tax, and performance information for Iowa state government.

Progress of Work Completed:

Iowa's data platform (data.iowa.gov) makes it easy to explore, discover, and share Iowa's financial, tax and performance data. The data portal has been operational since January 1, 2012. Ways for users to interact with data keep improving. In the past year, the Exploration Canvas has been expanded to facilitate greater data shaping capabilities including joining data, running calculations, creating parameters to allow users to change underlying query logic. The platform has also been enhanced to facilitate dataset archiving making it easier to restore past versions. It also facilitates relative date filtering, allow users to create filtered views to answer questions like "what are the records from the past 30 days?" The platform now also facilitates embedding stories/dashboards into other websites.

Data Asset Type	Public	Private	Total
<i>Datasets</i>	304	99	403
<i>External References</i>	160	0	160
<i>Documents</i>	280	1	281
<i>Filtered Views</i>	321	228	549
<i>Charts</i>	156	47	203
<i>Maps</i>	187	30	217
<i>Measures</i>	151	25	176
<i>Stories/Dashboards</i>	39	30	69
<i>DataLens Pages</i>	14	5	19
Total Assets	1,612	465	2,077

Table 1. Public, Private and Total Data Assets by Type as of Dec 2022

The quality, quantity and variety of published data on the site also make it increasingly more meaningful and useful for our citizens.

Additionally, Iowa's interactive checkbook (checkbook.iowa.gov), a companion website, gives the public access to 16.88 million checkbook level transactions, totaling \$176.35 billion from FY 2014 through FY 2023 YTD. The enhanced search capabilities and visual exploration make it easy for citizens to find the information they are interested in.

Revenue Sources:

FY 12 Technology Reinvestment Fund	\$50,000 – 2011 Iowa Acts, Chap. 133, Sec. 3.7
FY 13 Technology Reinvestment Fund	\$45,000 – 2012 Iowa Acts, Chap. 1140, Sec. 3.6a
FY 14 Technology Reinvestment Fund	\$45,000 – 2013 Iowa Acts, Chap. 142, Sec. 3.6
FY 16 Rebuild Iowa Infrastructure Fund	\$45,000 – 2015 Iowa Acts, Chap. 139, Sec. 3.4a
FY 17 Rebuild Iowa Infrastructure Fund	\$45,000 – 2016 Iowa Acts, Chap. 1133, Sec. 3.5a
FY 18 Technology Reinvestment Fund	\$45,000 – 2017 Iowa Acts, Chap. 173, Sec. 4.6a
FY 19 Technology Reinvestment Fund	\$45,000 – 2018 Iowa Acts, Chap. 1162, Sec. 3.6a
FY 20 Technology Reinvestment Fund	\$45,000 – 2019 Iowa Acts, Chap. 137, Sec. 3.9a
FY 21 Technology Reinvestment Fund	\$45,000 – 2020 Iowa Acts, Chap. 1120, Sec. 3.9a
FY 22 Technology Reinvestment Fund	\$45,000 – 2021 Iowa Acts, Chap. 167, Sec. 3.8a
FY 23 Technology Reinvestment Fund	\$45,000 – 2022 Iowa Acts, Chap. 1150, Sec. 3.8a
IOWAccess	\$196,515
DOM Operations	\$11,258
OCIO	\$232,375

Development Expenses:

\$347,773 (total over three fiscal years for original portal).

Operational Expenses:

Annual Software as a Service Subscription Costs (cloud-based portal and checkbook): \$120,000

Agreement prepared by and funded by OCIO. Agreement was originally executed on September 25, 2014, and has been renewed.

Completion Date of Project:

Implementation of Open Data Portal and Open Checkbook is complete, and both sites are operational.

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Project:

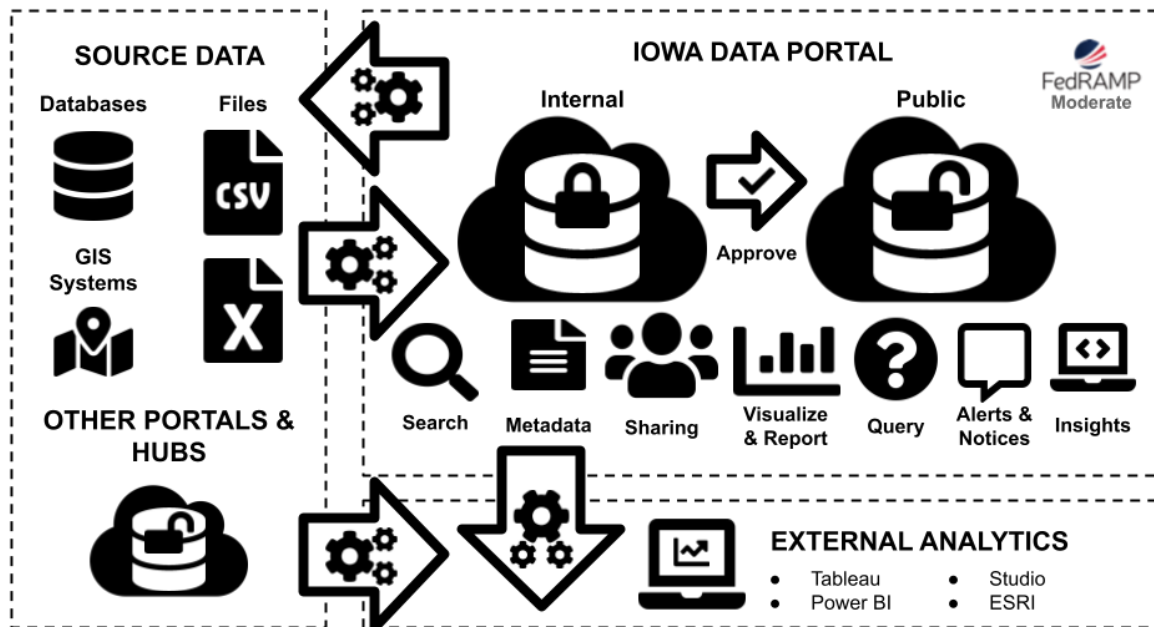
Tyler Technologies, Socrata Connected Government Cloud, SaaS, Iowa Data Portal

Description:

The Iowa Data Portal is an integrated solution designed to make data discoverable, usable, and actionable for both government workers and citizens. The portal is [FedRAMP Authorized](#) (see [moderate-level authorization](#)) and utilizes Amazon Web Services (AWS) Public Sector cloud. The portal provides a repeatable process to import data from many source systems, automate its flow to the cloud, organize it in a uniform way, then turn it into an always-on service for data discoverability and reuse downstream.

Progress of Work:

Currently, 35 state agencies contribute data to the data portal (this does not include those who only publish external resources or documents). The total includes 33 of 51 executive branch departments (approximately 65% of total). Individual divisions within Commerce are counted individually, and individual institutions within Corrections and Human Services are not separated out. Data currently published in the data portal does not include PII or other information considered confidential by federal or state law, as the portal originated as a place to publish open or public data.



Key Features

- Internal portal - mydata.iowa.gov
- Public portal - data.iowa.gov
- Multiple methods for ingressing and updating data (data management API, Gateways, DataSync - Global Shared)

- Data transformation using Socrata Query Language (similar to SQL)
- Data pipeline and metadata management
- Data catalogs - both internal and public
- Self-service queries and visual analysis/visualization (charts and maps), reporting and storytelling
- Performance management through KPIs, goals, targets, and milestones dashboards
- Advanced alert scheduling and threshold triggering options on data assets.
- Data-sharing between individuals and teams, or all authenticated state users.
- Open (public) data approval workflow.
- Exporting data in a variety of formats
- Programmatic access to data assets with APIs

Insight Applications

Insight applications provide self-service access to state financial data to improve accountability and accessibility. These applications are integrated with the state data portal and include:

- Budget Explorer - presents government budget information in an intuitive visual manner.
- Capital Projects Explorer - provides an easy-to-use dashboard that displays a government agency's spending on capital projects, providing insight into the nature and status of a construction portfolio.
- Expenditures Explorer - facilitates presenting complex financial information, including checkbook-level details of spending.
- Payroll Explorer - presents government payroll information through interactive charts and graphs.
- Insights Dashboard - surfaces data from the ERP and permitting and licensing systems as well as ties in third-party data on business revenue, consumer consumption, and real estate transactions.

Current applications in use:

- [State of Iowa Checkbook](#)
- [Iowa Pandemic Recovery Report](#)
- [State of Iowa City Budget Explorer](#)

Funding History:

The Technology Reinvestment Fund appropriation to the Department of Management supports the ongoing expenses associated with the Socrata Connected Government Cloud.

FY 22 Technology Reinvestment Fund \$371,292
FY 23 Technology Reinvestment Fund \$ 382,131

2021 Iowa Acts, Chap. 167, Sec. 3.8b
2022 Iowa Acts, Chap. 1150, Sec. 3.8d

Amount of Funds Expended:

\$361,431.24 as of December 3, 2021
\$372,131 as of November 9, 2022

Amount of Funds Obligated:

\$361,431.24 as of December 3, 2021
\$372,131 as of November 9, 2022

Completion Date of Project:

The Iowa Data Portal is an ongoing effort with data, charts, maps, etc. being continually added. One enhancement being developed is a new exploration canvas, which facilitates filtering, sorting, grouping, and joining data. Improvements to provide a flexible grid for formatting stories, which allows for greater customization, are also being developed.