

# Session Systems Replacement

Request for Continued Funding

Preliminary Draft

March 1, 2018

# What is SSR?

- ▶ SSR stands for Session Systems Replacement—the infrastructure that supports the lawmaking process from request through the legislative process to publication.
- ▶ The goal was to replace the aging mainframe and WordPerfect systems
  - ▶ These 20+ year old systems support:
    - ▶ Session operations, and all legal publications: Bill Drafting, Codification for MCA, Session Laws, Annotations, History and Final Status.
- ▶ Why?
  - ▶ Programming skills on these aging systems is difficult to maintain, develop and are becoming obsolete and are thus costly to maintain;
  - ▶ Allows “silo” institutional knowledge to be built into system workflows
- ▶ Timeline Overview
  - ▶ LSD began planning this effort in 2006.
  - ▶ Funded in 2013 through HB10 -- Long Range Information Technology Project account (\$6.2 million expended). Have supplemented with additional General Fund from HB2 appropriations and IT Reserve Fund (5-11-407, MCA)
  - ▶ We are at the next juncture and in order to continue, require additional funding

# What has been accomplished so far?

- ▶ Migration from Mainframe and textDBMS to fully tagged XHTML data
- ▶ Montana Code Annotated (MCA) infrastructure upgraded to modern, stable and scalable technologies
- ▶ Performed business process reengineering of the Codification process to create an automated workflow system
- ▶ Case Notes and Annotations System created (goal for paperless)
- ▶ MCA on the web and Folio Views integrated and updated
- ▶ Enhanced Publication workflow - eliminated multiple conversions, using InDesign for camera-ready that provides ability to produce publications in approx. half the time and as needed
- ▶ Bill Draft Management - first phase in replacing bill drafting system, used to log bill requests (many without paper), provides electronic junkie files

# What has yet to be accomplished?

- ▶ Infrastructure (Core 6) Upgrade - greater speed and stability - March 2018
- ▶ Committee Automation - for each standing and interim committee & joint subcommittees, minutes (off WordPerfect), automated vote counts - in user acceptance testing March 2018, soon to go live using interim committees and will be used for 2019 Session.
- ▶ Bill Drafting Development & Implementation - targeted to be ready for 2021
- ▶ Chamber automation - targeted to be ready for 2021: agenda, journal
  - ▶ Includes detailed design, development, testing, training, and implementation (“go live”)

# Before & After Comparison

## What is replaced?

- ▶ Mainframe, textDBMS
- ▶ WordPerfect - bill drafting, codification, annotations, minutes, journal
- ▶ Paper-based codification, annotations and bill draft request processing
- ▶ Ventura publishing software

## What is new?

- ▶ xHTML/xml database on server
- ▶ Word or xml-based word processing, i.e. oXygen
- ▶ Codification & annotations streamlined and automated
- ▶ Electronic bill draft logging and assignment
- ▶ Electronic junque
- ▶ InDesign publishing software

# Selected Risks & Benefits

## Risks addressed

- ▶ Off of mainframe & declining technologies
- ▶ Future of WordPerfect is not as modern as other software, uses a programming language that is no longer taught or widely available
- ▶ Workflows and technology support heavily dependent on individual knowledge and experience for internally-developed applications.
- ▶ Paper-based processes and records management
- ▶ Publications process rigid and unable to accommodate changes in schedule

## Benefits

- ▶ LSD staff can support server and necessary programming for hardware & applications
- ▶ Institutionalizes knowledge so that as people retire or positions change, knowledge is retained and people with the skills can be hired.
- ▶ Newer technology provides more opportunities for flexibility and enhancing process. Eg. All drafting staff can directly log bill draft requests, Todd only need assign and it goes directly to drafter dashboard
- ▶ Time efficiencies with electronic workflow & records management
- ▶ Publication process streamlined, flexible, responsive.
- ▶ Potential for "real time" or on demand Annotations

# IT Reserve Fund

- ▶ 5-11-407, MCA
  - ▶ (2) (a) The money in the account is statutorily appropriated, as provided in 17-7-502, to the legislative services division to be used only for major legislative branch information technology projects, including the purchase of hardware, software, and consulting services for and training related to new initiatives and replacement and upgrading of existing systems.
  - ▶ (b) The money in the account may be expended only with the approval of the legislative council. The legislative branch information technology planning council may make recommendations to the legislative council for the use of the money in the account.

# Status of IT Reserve Fund

## ▶ 2018-19 Biennium

▶ July 1, 2017 balance:	\$1,718,866.17
▶ Transfers In:	534,570.00
▶ Dividends	14,473.05
▶ Spec. Session Budget cut	(500,000.00)
▶ Vote System	(286,784.00)
▶ Subtotal	\$1,481,125.22
▶ Approved in past	815,000.00
▶ Current balance	\$666,125.22



# Request for Reauthorization and Additional IT Reserve

- ▶ **Total Need:** **\$976,000**
  - ▶ Bill Draft technical, development, and testing & TVMT critical needs
- ▶ **Request to reauthorize:** **\$485,616**
  - ▶ **Approved** **\$815,000.00** **Actual cost** **\$368,324**
  - ▶ Website **\$175,000** In-house **\$0**
  - ▶ BDDD/SA **\$250,000** Complete **\$250,000**
  - ▶ TVMT-IV **\$250,000** TVMT Critical **\$ 79,384**
  - ▶ H&S Sound **\$140,000** Future **\$0**
- ▶ **Request from IT Reserve:** **\$514,384**
  - ▶ Would leave a balance of \$151,741
  - ▶ Will continue to work on IT savings & TVMT contracts, and will not use unless or until necessary.
  - ▶ Potential IT funding reversion per SB 9 (2017 SS) could offset some costs.

# How will the IT Reserve Fund be Replenished?

- ▶ Money may be deposited through an allocation of money or as provided in 17-7-304. 17-7-304, MCA, is the deposit of unexpended budgets from the prior biennium. (E.G. 2017 deposits from 30% of balance from 2014-15 biennium/15 session). Approval is discretionary subject to each approving authority.

▶ For example:	in 2017 deposits:	balances to date/est. ('16-'17)
▶ LSD carryforward (HB 2)	0	0 (est)
▶ LFD carryforward (HB2)	0	0 (est)
▶ LAD carryforward (HB2)	\$105,940	\$100,000 (est)
▶ House carryforward (FB)	\$115,500	\$ 74,000 (bal)
▶ Senate carryforward (FB)	\$199,500	\$193,000 (bal)
▶ LSD Carryforward (FB)	\$113,360	\$144,000 (bal)
▶ TOTALS	\$534,300	\$300,000 - \$400,000 (est)

# Final SSR phases for 2019 -2021

- ▶ Bill Drafting Editor - Ready for 2021 Session
  - ▶ Est. \$500,000
- ▶ Chamber design, application development testing and training - Ready for 2021 Session
  - ▶ Est. \$1.5 million
- ▶ LSD, House, Senate, Propylon staff working to refine and prepare information for:
  - ▶ May 2018 Council meeting for budget development
  - ▶ August 2018 approval for September 2018 budget submission to OBPP
  - ▶ 2019 Session.
- ▶ HB 10, IT Reserve, Feed Bill, HB 2

# Risks of not proceeding

- ▶ Would not be able to move off of WordPerfect entirely and have to maintain multiple word processors - knowledgeable staff becoming very difficult to hire or to train internally
- ▶ Integration with developed systems would still need to occur
- ▶ Could lose either contractor or current dedicated contractor staff. May need to start RFP process over again and may have to duplicate current work if a new contractor was engaged.
- ▶ May lose current LSD-IT or other staff to retirements before:
  - ▶ knowledge transfer is completed; or
  - ▶ we can hire or train resources to maintain obsolete technologies.
- ▶ Costs will increase over time.

# Thank you for your consideration!

- ▶ Needed motions:
  - ▶ Reauthorize use of previously approved funds for completion of the Bill Drafting Editor and System in the amount of \$485,616.
  - ▶ Authorize expenditures of up to \$514,384 from the Information Technology Reserve Account