



September 7, 2018

The Honorable Senator Chuck Riley, Co-Chair
The Honorable Representative Nancy Nathanson, Co-Chair
Interim Joint Committee on Information Management and Technology
900 Court Street NE
H-178 State Capitol
Salem, OR 97301-4048

Dear Co-Chairpersons:

Nature of the Request

PERS has been asked to report to the Interim Joint Committee on Information Management and Technology on the status of the progress of implementation around the following topics:

1. A comprehensive State Data Center (SDC) usage analysis and report on the feasibility study findings; and
2. Development and implementation of an industry standard disaster recovery warm site.

Agency Action

PERS continues to work with the Office of the State Chief Information Officer (OSCIO) on the planning and implementation of these initiatives and will report on progress as requested.

PRODUCTION DATA CENTER MIGRATION PROJECT

Background

In April 2016, PERS was directed to perform a State Data Center (SDC) use analysis as part of its Information Security planning effort. PERS and OSCIO completed the SDC Use Analysis/Data Center Migration summary documentation in November 2017. The initial focus was on providing critical disaster recovery (DR) services, since the agency does not have an established backup data center to support business operations in the event of a localized disaster. In addition, plans include migration of the production environment to the SDC once the DR priority has been addressed.

Based on legislative expectations and approval of the power upgrade for the SDC, current plans continue to include migration of the agency's production environment (in a co-location service model) after the related dependencies are addressed (e.g., Backup Data Center and power upgrade completed). The following activities and deliverables are included (targeted for completion by June 30, 2019):

1. Migrate some existing services (not tightly integrated with ORION) to SDC using ETS managed hosting services, based upon a value analysis.

2. Migrate new services to SDC using standard ETS managed hosting services. For example, PERS is migrating its new information governance structure (file services) to the SDC to improve management of unstructured data.
3. Monitor power availability at SDC (external dependency).
4. Finalize the plan to migrate PERS' current production environment to the SDC. (The actual migration will be completed in a subsequent biennia.) A fully developed business case will be developed to coincide with a Policy Option Package for potential funding needs.
5. The ORION Disaster Recovery Plan will be updated as needed.

Status Update since May 2018

- A draft business case and 2019-21 Policy Package were developed to support migration of the PERS production environment to the SDC in 2019, following completion of the SDC power upgrade.
- As we meet with vendors for Backup Data Center/Disaster Recovery (BDC/DR), we're also leveraging those discussions to evaluate equipment/solutions in support of the planned Production Data Center Migration. These discussions are expected to resume beginning in January 2019.
- Planned migration of PERS unstructured data (file services) is dependent on completion of the agency's Information Governance Program. The Information Governance Program is projected to be completed by the end of the biennium. Preparation for migration of additional applications will begin after the unstructured data has been migrated.
- PERS has continued distribution of a weekly Project Status Report to stakeholders since January 2018.

BACKUP DATA CENTER PROJECT

Background

PERS has been directed to implement a backup data center solution, also referred to as a warm site, in support of its Disaster Recovery Program/Business Continuity needs. The Backup Data Center project includes planning and implementation of a Backup Data Center/DR capability for PERS to support continuity of critical IT services in the case of a disaster impacting the ability to operate the current data center. Project plans include:

- Phase 1: Requirements, design and testing using PERS, vendor, and external consulting services to assist PERS with the identification of a DR solution.
- Phase 2: Deployment, implementation, and testing of the identified Backup Data Center solution.

Status Update since May 2018

- Received external consulting service final recommendation report on May 15, 2018.
- Business continuity/disaster recovery business and technical requirements were gathered, documented, and provided as input in the evaluation of back-up data center/disaster recovery infrastructure and service vendors for a warm site solution.

- After numerous presentations and evaluations of physical warm-site vendors, and taking into account implementation time line constraints and budget considerations, PERS made the decision to discontinue efforts to pursue a physical co-location solution and focus solely on cloud-based DR solutions. OSCIO supports this decision and will continue to be involved through the completion of this project.
- Planning is underway to conduct a proof-of-concept (POC) of a cloud-based DR solution beginning in September, 2018.
- PERS has continued distribution of a weekly Project Status Report to stakeholders since January 2018.


Action Requested

Acknowledge receipt of the report.

Legislation Affected

This report reflects Budget Note directives as approved in Senate Bill 5534(2017) and additional directives from the Legislative Fiscal Office.

Respectfully,



Kevin Olineck

Director

Oregon Public Employees Retirement System