

## IT INVESTMENT CAPITAL FUND PROJECT STATUS REPORT

**To:** Information Technology Strategy and Investment Committee  
John Vittner, Office of Policy & Management

**FROM:** Department of Energy and Environmental Protection

**AGENCY/PROJECT NAME:** DEEP / Data Management

**PROJECT MANAGER:** Multiple project managers

**REPORTING PERIOD:** Project Inception through 06/30/2016

**Total Funds Requested:** \$2,500,000

<b>Bond Commission Approval(s):</b>	Date: Jan. 2013	Amount: \$300,000
	Date: Jan. 2014	Amount: \$1,450,000
	Date: Jan. 2015	Amount: \$500,000
	Date: Sept. 2015	Amount: \$250,000

**Accumulative Total Capital Fund Expenditures to Date:** \$2,102,342

### **Brief Project Description/Summary:**

The DEEP data management program will integrate critical data systems to provide common source for DEEP data. Consolidated data provides one system to query all data allowing for ad hoc reporting and real time decision making. Systems can now be developed to provide visibility to all customers and DEEP personnel from one source. This will provide for better tactical and strategic decision-making because these decisions can be made based on a consolidated view of data. The agency would also like to provide both external customers and internal staff dashboards that can aid into the decision making process. This data will be available to be leveraged by remote users utilizing multiple methods to access data.

### **Summary of Progress Achieved to Date:**

Within the Data Management project portfolio the projects implemented include: Agency pilot on spatial representation of agency permits providing information by permit type, status, location and date. Air Monitoring Public Website providing real-time data from the agency's air monitoring stations across the state. Ambient Water Quality Network Node implementation for data transfer to EPA. Two independent projects used to report sampling and lab results to EPA 1) Water Chemistry 2) Fish Tissue. Electronic data feeds from a state utility provider into the Building Energy Evaluation System (BEES). Evaluation of Business Intelligence, Cognos Reporting and Dashboard tools. IT Investment Projects in Implementation Phase: Sewage Right to Know to capture spill information and provide a spatial representation to the public, PURA e-Filing Case Management – Serve customers (Utility companies, citizens, law firms, other businesses) through a Web-based system allowing the submission / tracking of all electronic requests/complaints/dockets (documents). IT Investment Project in Business Issues Phase: Avaya Call Center reporting of metrics, Upload facility info from DEEP Enterprise System into Integrated Compliance Information System (ICIS) for the NPDES universe, particularly those under the construction and industrial stormwater general permits to be in compliance with EPA's National Pollutant Discharge Elimination System (NPDES) Electronic Reporting rule. IT Investment Projects in Post-Implementation Phase: Conversion to Biotics 5 for NDDDB (Natural Diversity Data Base), Land Registry is a public site providing information on state parks and state owned land.

### **Issues and Risks:**

Risks include a complex and large project portfolio. The communication and coordination of multiple large projects in different stages of development is also a concern. Challenges with implementing business process

change within the agency and the need to develop agency wide business standards. Both business and technical staff are working with new technology which delays decision making and impacts project schedule. Developing an ongoing support and maintenance plan for these applications with limited staff requires review. The hosting environment for several of these applications is a shared environment at BEST. Increases in other agencies work volume can and have a negative impact on DEEP's ability to provide information.

**Next Steps & Project Milestones:**

Continue to move projects forward within the System Development Methodology as identified within the IT Investment update. This includes work to develop metrics and analytics for both agency and public review in support of Open Government initiative. Implementation of Cognos Business Intelligence and Performance Management product.