

Report Title: IT Strategic Plan Summary

Agency: 199 Department of Conservation and Recreation Date: 2/24/2017

Current Operational IT Investments

In this section, describe the high-level strategy the agency will use to manage existing operational IT investments over the next year to 5 years. This section should align with identified Business Requirements for Existing Technology (BReTs). At minimum, please address the following questions in your description of your agency's strategy for managing existing operational IT investments:

Are there existing IT investments that will require additional funding over the next year to 5 years, such as license renewals, re-competition of current IT contracts, or system enhancements required by the Agency Strategic Plan?

If there are systems that will no longer support the agency's business needs, either through poor performance or excessive cost, how does IT leadership in the agency plan to address the issues?

If the agency does not have the staff or funding to meet increasing demand for IT services, how will IT leadership fulfill the requests?

DCR utilizes Information Technology (IT) in a number of diverse and complex ways. In the area of Soil and Water Conservation, DCR employs IT for modeling related to land use practices that is used to determine whether Virginia is meeting its commitments to the clean-up of the Chesapeake Bay; agricultural planning and support to Virginias 47 Soil and Water Conservation Districts in areas such as best management practices (BMPs) and resource management plans (RMPs); and general support within the agency and to external stakeholders. In the area of Dam Safety, IT resources are utilized to track all identified dams in Virginia, determine hazard status and assess level of compliance to ensure public safety. In the area of Natural Heritage a system called Biotics is supported for data management that utilizes Geographic Information Systems (GIS) software and database functionality. This Biotics system is used by natural heritage programs throughout the U.S., Canada, and Central/South America to maintain and propagate data on rare species and natural communities. Biotics enables DCR and other state agencies to collaborate on projects and proposed actions in Virginia and to assure that Natural Heritage resources are minimally impacted by their work. In the State Parks and Planning and Recreation divisions, GIS data is used for planning improvements to State Parks and Natural Areas that include road access. The phone system and electronic reservation system employed by DCR's State Parks reservation center is a utilization of IT to provide a seamless avenue for the public to access State Parks services throughout the Commonwealth and provides a cost-effective way for DCR to ensure recreational facilities access to Virginia citizens in a user-friendly, up-to-date manner that enhances visitorship to the State Parks and Natural Area system. DCR also relies heavily on IT for central operations that serve all divisions and consequently, affects services being provided efficiently and effectively to citizens and stakeholders. Several of the above IT functions are provided and supported by third parties, however, DCR maintains IT systems that: identify the hazard status of dams, support GIS, automate the reservation systems, track payments to Virginias 47 Soil and Water Conservation Districts for cost-share, and provide operational support needs to districts and farmers to control and reduce nonpoint source pollution. Central office operations include, but are not limited to, financial reporting and data management; Human Resource data management and reporting; Enterprise Resource Planning (ERP) application; telecommunications; and applications development; etc. Dam Safety: DCR's current inventory of dams is maintained in an electronic database that is outdated, which results in a greater amount of time needed to extract data used to contact dam owners regarding compliance issues. DCR is currently exploring options to replace this system. IDSS is DCR's internal accounting system that interfaces with the statewide accounting (Cardinal) and procurement (eVa) systems. This system was developed on an older version of the Oracle platform which is no longer supported and needs to be upgraded. Information Technology Security: is an operational imperative for DCR. There are several areas where DCR has made recent investments to improve Information Technology Security. During calendar 2015, the agency added a classified staff position, an IT Project Manager to serve as the Information Security Officer, (ISO) for the agency, removing the function from the Agency Information Technology Director, (AITR) to allow for a greater emphasis on Information Security. Internal Process Automation is an operational necessity for the agency. DCR has designed and built

several applications to address specific business needs where enterprise applications either do not exist, or to interface with an existing enterprise application, with more applications being developed. Currently under development is support for tracking state owned assets, financial invoicing, and a repository and workflow for managing employee work profiles.

Factors Impacting the Current IT

In this section, the agency will describe the changes in their business environment that will require or mandate changes to the agency's current IT investments. These are requirements and mandates from external sources, such as other agencies or business partners, the agency's customer base, product and service providers, or new federal or state legislation or regulations. The agency must identify the business value of the change, any important deadlines that must be met, and the consequences if the deadlines are not met. In your discussion, be sure to note whether the proposed enhancements are funded or not. If the agency's existing current IT investments will not need enhancement due to requirements or mandates from external sources in the foreseeable future, the agency should enter the following text rather than leave the Factors Impacting the Current IT section blank

For each mandated change, summarize your agency's response from your Agency Strategic Plan, and is it the opinion of agency IT leadership that the IT portion of the response is adequately funded?

Do the mandated changes effect IT in other Commonwealth agencies, or in other states? If so, how?

IT Infrastructure Transition: The Commonwealth is transitioning to a multi-supplier model for IT Infrastructure. This transition will affect all parts of our IT environment including messaging, server/storage, authentication and directory services, voice and data networks, and end user computing. Transition related activities will be a primary focus for agency IT resources over the next biennium.

DCR's financial system (IDSS), used to interface with state systems, currently CARS, is outdated and has been so for a number of years. This biennium the current state system, CARS, will be replaced by CARDINAL. Analysis has begun to understand what changes are required to interface with CARDINAL. In addition, DCR is currently evaluating what changes are needed to update this system so data can be provided to stakeholders in a more efficient manner.

Dam Safety: DCR's current inventory of dams is maintained in an electronic database that is outdated, which results in a greater amount of time needed to extract data used to contact dam owners regarding compliance issues.

Virginia State Parks Communications Connectivity: DCR is challenged in many of the 37 park locations which has been a leading complaint of visitors to the Parks. The current connectivity limitations have placed strains on parks that only have dial up or satellite connections by limiting their ability to collect revenues and conduct business. Improvement of communications connectivity is needed in these rural areas where our Parks are located and will benefit the surrounding rural communities, businesses, and other state agencies.

GIS Demands: DCR conducts a large amount of geospatial analysis using GIS software. Web based geospatial map services to support interstate and regional projects as well as supplementing DCR programs. While there is a growing demand for GIS services internal and external to DCR and a high public receptivity to GIS products, these services have been reduced due to the higher hardware costs. DCR continually examines ways to coordinate and influence the GIS efforts of VITA/Virginia Geographic Information Network. GIS web access: There is a strong demand for improved access for geospatial natural heritage and conservation data using new GIS and web technologies, and it is difficult to keep up with the demand and the technological advances to support it. Changes are occurring rapidly in geospatial software and data format standards. These rapid changes require increased levels of security caused by access to multiple operating systems and more open applications.

AgBMP Tracking: During the next biennium DCR will continue to enhance the existing suite of AgBMP Tracking, Conservation Planning and Resource Management Planning Modules along with the Agricultural Stewardship Act Module developed for the Virginia Department of Agriculture and Consumer Services. DCR's Soil and Water group will also strive to utilize the state accounting system Cardinal to track payments and fund utilization through a specific project to enhance the AgBMP Tracking Module.

Nutrient Management (NutMan): DCR currently manages Nutrient Management Plan data through the NutMan application which was developed in partnership with Virginia Tech. This system is outdated and creates an individual data file for each plan written making and summary of region-wide management planning difficult and time consuming to produce. During the next biennium DCR will integrate a new Nutrient Management Planning Module into DCR's existing AgBMP Tracking/Conservation

Planning/Resource Management planning system.

Information Technology Security: During the early 2016 Virginia General Assembly session specific funding was provided for executive branch agencies for information security services. DCR plans to utilize these funds to procure additional information security services from VITA.

Internet utilization: DCR projects that internet usage will continue increase over the next biennium due to increased usage of cloud services, and increases in video streaming/teleconferencing.

Cloud Application Hosting: DCR is interested in moving some applications to Cloud services vendors. The business reason for the move would be reduce costs and increase efficiencies. We still need to assess what needs to be done to the applications and supporting infrastructure in order to become cloud ready.

Proposed IT Solutions

In this section, describe the high-level strategy the agency will use to initiate new IT investments over the next year to 5 years in support of the agency strategic objectives documented in your Agency Strategic Plan. The agency does not need to consider specific technologies at this time, however, the strategy should identify how the IT implementation will provide business value to the organization. This section should align with identified Business Requirements for New Technology (BRnTs). At minimum, please address the following questions in your description of your agency's strategy for initiating new IT investments:

What are the most important solutions, based on the priority assigned to the requirements by the business sponsors in your agency, and what is the approach to achieving these priority solutions?

If any new IT initiatives will be started in the upcoming budget biennium, is it the opinion of agency IT leadership that it is adequately funded?

Does the agency's current IT staff have the appropriate skill set needed to support future agency technologies? If not, what skill sets need to be acquired?

If the agency will be engaged in multiple new IT initiatives, how will agency IT staff and agency subject matter experts be used across the initiatives?

Over the next biennium DCR must continue to leverage technology to meet the Agency's goals and objectives and customer needs. The below items have been specifically identified as IT needs: continue to meet public demand for online services, including mobile services and social media services used to promote recreational opportunities; provide an agency wide GIS coordinator to organize, oversee, and support the use of geospatial data, desktop GIS software and web-based data usage to be more efficient and productive in the use and provision of geospatial data; ensure that all database information used for DCR decision-making is tied together so that information can continue to be shared with decision makers and constituents in an effective and efficient manner; and adopt an electronic document management system to improve the efficiency of document control, version control, retention, and paper storage requirements.

During the next biennium DCR's Division of Soil and Water Conservation (DSWC) and Division of Dam Safety have several proposed projects to enhance system functionality and to meet the Agency's goals, objectives and customer needs. These projects include:

- 1) Ag NMP Module Development: This project will integrate an Ag Nutrient Management Planning Module into DCR's existing Agricultural Best Management Practice (AgBMP) Tracking/Conservation Planning/Resource Management Planning system. This new module will allow Nutrient management specialists in DCR's regional offices provide direct technical assistance to farmers by develop site-specific nutrient management plans and simplify the reporting of data to the Chesapeake Bay Program to demonstrate progress in meeting the goals of the Chesapeake Bay Watershed Implementation Plan. The application will also be available to private nutrient management planners. This module will be integrated into the existing DSWC SQL Server/ArcGIS Server architecture. Estimated cost for the project over the FY17-18 biennium is \$650,000. The likely source for this funding is Federal Non-General Funds.
- 2) AgBMP Tracking Financial Data Management Development: This project will add functionality to the Ag BMP Tracking Module in order to make it the official system of record that tracks all sources of revenues and expenses related to agricultural programs in the DSWC. Enhancements for consideration may include allowing for: balances of all sources of revenue related to the divisions programs, every Soil and Water Conservation Districts (districts) Technical Assistance (TA) and Operation/Administration funding to ensure all allocations, distributions, and balances to districts can be tracked in one system; related enhancements of the financial component of Virginia Agricultural Cost Share Program to allow for the quick re-allocation of

any source of funds from one district to another; adding a Cardinal interface to streamline district payments, possibly preventing the need to create POs in advance; adding a reporting component to easily sum and compare funding balances; and upgrading security over the system to ensure the confidentiality, integrity and availability of the data. Some of these functions may be delayed until Cardinal fully replaces IDSS at DCR. Estimated cost for the project over the FY17-18 biennium is \$500,000. The likely source for this funding is State General Funds. The project will likely be broken into two phases, the first to gather detail requirements and develop a software/data base design, and a second to actually complete the development work.

3) Dam Safety Application/Database Development: DCRs current inventory of dams is maintained in an electronic database that is outdated, which results in a greater amount of time needed to extract data used to contact dam owners regarding compliance issues. This project will replace the existing Access/Citrix database with a SQL Server/Web Based application. The solution will be hosted on the existing DSWC server cluster, but be developed as a stand-alone solution. This project may be conducted in two phases, one to replace the existing outdated database which is seen as a critical needed, and then a second to add functionality to integrate different data sources important to maintaining dam safety. Estimated cost for the project over the FY17-18 biennium is \$500,000. The likely source for this funding is State General Funds.

4) Changes to the AgBMP Module to Support BMP Verification: Virginia DCRs AgBMP verification scheme was approved by the EPA Chesapeake Bay Program during the spring of 2016. To support these changes DCR must modify the AgBMP Tracking Modules existing Spot Check functionality to fully implement this new verification scheme. Estimated cost for the project over the FY17-18 biennium is \$120,000. The likely source for this funding is Federal Non-General Funds.

5) Ag BMP/Conservation Planning/Resource Management Planning Application Enhancements: As part of DCR staffs management of applications a list of requested enhancements is maintained for future development. In addition, DCR program staff are developing a new Conservation Planning Certification Program which may require application changes to the Conservation Planning Module. If funding is available DCR may conduct a development project to address these needed application changes. Estimated cost for the project over the FY17-18 biennium is \$100,000. The likely source for this funding is Federal Non-General Funds.

Information Technology Security: the DCR plans to continue the current programs and staffing to maintain Information Technology Security and to increase the resources and effort to increase the security position of the agency. A VITA division, Commonwealth Security and Risk Management have begun to offer ISO Services primarily to assist agencies in performing and documenting: Business Impact Analysis and IT System Security Plans (consisting of IT Security Risk Assessment and Risk Treatment Plans). A VITA ISO Service analyst will also be able to provide consulting and other ISO services as resources become available. DCR intends to engage this new VITA service offering to provide additional resources.

Internal Process Automation: The DCR will continue to refine, improve and expand the use of IT Automation to improve the efficiency of Internal Processes. Under development is support for tracking state owned assets, financial invoicing, a repository and workflow for Employee Work Profiles. Additional projects are expected during the upcoming biennium.

Virginia State Parks Communications Connectivity: During the next biennium DCR will continue to push for increases in Communications Capability. Many solutions are unavailable due to the high cost of trenching and burying communications wiring along public roads and utility easements. The continuing strategy is to continue to seek affordable improvements to Communications Connectivity.

Report Title: Strategic Plan

Agency:

Department of Conservation and Recreation

Date:

2/24/2017

Current IT Services

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Projected Service Fees	\$1,384,784	\$876,088	\$1,424,805	\$901,407
VITA Infrastructure Changes	\$0	\$0	\$0	\$0
Estimated VITA Infrastructure	\$1,384,784	\$876,088	\$1,424,805	\$901,407
Specialized Infrastructure	\$0	\$0	\$0	\$0
Agency IT Staff	\$451,040	\$0	\$451,040	\$0
Non-agency IT Staff	\$470,400	\$0	\$470,400	\$0
Cloud Computing Service	\$1,200	\$0	\$1,200	\$0
Other Application Costs	\$16,000	\$0	\$16,000	\$0
Total	\$2,323,424	\$876,088	\$2,363,445	\$901,407

Proposed IT Investments

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Major IT Projects	\$0	\$0	\$0	\$0
Non-Major IT Projects	\$0	\$0	\$0	\$0
Agency-Level IT Projects	\$350,000	\$180,000	\$0	\$60,000
Major Stand Alone IT Procurements	\$0	\$255,000	\$0	\$285,000
Non-Major Stand Alone IT Procurements	\$0	\$0	\$0	\$0
Agency-Level Stand Alone IT Procurements	\$0	\$0	\$0	\$0
Procurement Adjustment for Staffing	\$0	\$0	\$0	\$0
Total	\$350,000	\$435,000	\$0	\$345,000

Projected Total IT Budget

Category	Costs Year 1		Costs Year 2		Total Costs
	GF	NGF	GF	NGF	
Current IT Services	\$2,323,424	\$876,088	\$2,363,445	\$901,407	\$6,464,366
Proposed IT Investments	\$350,000	\$435,000	\$0	\$345,000	\$1,130,000
Total	\$2,673,424	\$1,311,088	\$2,363,445	\$1,246,407	\$7,594,366

Report Title: Business Requirements For Technology**Agency:** Department of Conservation and Recreation (DCR)**Date:** 2/24/2017**BReT - DCR 2014 MS Server 2003****BRT Type:** Business Requirement for Existing Technology**Date Submitted:****Mandate:** No**Mission Critical:****Description:**

Vendor support for MS Server 2003 operating system will end 7/14/2015.

BReT - DCR 2014 Oracle Database 9.2**BRT Type:** Business Requirement for Existing Technology**Date Submitted:****Mandate:** No**Mission Critical:****Description:**

Vendor support for Oracle Database 9.2 ended on 7/1/2010

BReT - DCR Overall Audit Program 2015**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/30/2016**Mandate:****Mission Critical:****Description:**

VITA's Commonwealth Security and Risk Management have begun to offer ISO Services primarily to assist agencies in performing and documenting: Business Impact Analysis and IT System Security Plans (consisting of IT Security Risk Assessment and Risk Treatment Plans). DCR intends to engage this new VITA service offering to provide additional resources for maintaining audit program requirements using funds that have been allocated to the agency by DPB.

BReT - DCR State Parks Reservation System**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 1/15/2015**Mandate:** No**Mission Critical:****Description:**

This is a sole source procurement. The Virginia State Parks reservation center has utilized Reserve America's reservation product since 1994. DCR is at the end of a 3 year purchase agreement for the service

with Reserve America. This new agreement extends services out through December 31, 2019.

BRnT - Ag NMP Module Development

BRT Type: Business Requirement for New Technology

Date Submitted: 11/29/2016

Mandate: No

Mission Critical: No

Description:

DCR works to manage agricultural nutrients found in fertilizers, manure, bio-solids and other sources so that they retain their efficient use yet don't impair the quality of Virginia's ground and surface waters. DCR uses various strategies to encourage proper land application of fertilizer, manure and sewage sludge for agricultural and urban purposes. Nutrient management specialists in DCR's regional offices provide direct technical assistance to farmers. They develop site-specific nutrient management plans to help farmers with manure testing for nutrient levels, calibrate nutrient application equipment, and coordinate soil nitrate testing in agricultural crop fields. A business requirement exists to integrate a Nutrient Management Planning Module into DCR's existing AgBMP Tracking/Conservation Planning/Resource Management planning system. In addition to internal users at DCR this need also exists for the approximately 60 private sector nutrient management planners.

BRnT - Cardinal

BRT Type: Business Requirement for New Technology

Date Submitted: 9/27/2016

Mandate:

Mission Critical:

Description:

Cardinal will replace CARS as the Commonwealth's accounting system by February, 2016. DCR's financial systems will need to be modified to interface with Cardinal.

BRnT - Dam Safety Module

BRT Type: Business Requirement for New Technology

Date Submitted: 2/14/2017

Mandate: Yes

Mission Critical: Yes

Description:

The dam safety module allows dam safety staff to track all information relevant to the regulation, maintenance, and emergency response efforts of all dams in Virginia through efficient data entry, storage and retrieval. Dam Safety staff and participants (owners and engineers) will be able to enter and edit dam safety data via general internet access with a user name and password. The centralized server and web based design will allow all DCR dam safety staff to coordinate and share data with other dam safety staff and participants. The modern data management approach taken in this project will allow for quick and efficient data retrieval (spatial and non-spatial data), querying, reporting, analysis, and sharing as well as provide an interface for users to quickly assess the status of a dam. A new mapping application within the module will allow dam safety to track essential spatial data that will allow dam safety and emergency responders to quickly identify areas at risk of dam related flooding or failures.

BRnT - DSWC Financial Systems Module**BRT Type:** Business Requirement for New Technology**Date Submitted:** 2/14/2017**Mandate:** No**Mission Critical:** Yes**Description:**

The purpose of this project is to develop a software and database solution for the integration of a complete Financial Management solution into DCR's existing AgBMP Tracking/Conservation Planning/Resource Management Planning system. The solution will be focused on five main areas:

1. Full tracking of all financial support provided to DCR, and to the SWCDs from DCR, for water quality program delivery and implementation, including the ability to input fiscal year budgets by subprogram, funding source, cost code and project codes, and to track project expenditures by fiscal year. This includes tracking initial fiscal year of allocation, even when funds are subsequently transferred and/or expended in other program years.
2. The ability to calculate allocations to SWCDs for Administration and Operations and for Cost-Share and Technical Assistance and the ability to generate contracts for each SWCD.
3. Integration between the AgBMP Tracking Module and other DCR financial data management systems.
4. Automation of financial data management transactions.
5. Clear and concise reporting of all financial data by both DCR and SWCDs including the ability for SWCDs to perform all of their required financial reporting, as well as generating information for annual audits.

While these areas of focus have been identified by DCR DSWC it is expected the scope of this project will reasonably include other potential items identified during the initial phases of determining the full business needs portion of the project.

BRnT - Improving Virginia State Parks Communications Connectivity**BRT Type:** Business Requirement for New Technology**Date Submitted:** 2/10/2017**Mandate:** No**Mission Critical:****Description:**

Virginia State Parks Communications Connectivity: During the next biennium DCR will continue to push for increases in Communications Capability. Many solutions are unavailable due to the high cost of trenching and burying communications wiring along public roads and utility easements. The continuing strategy is to continue to seek affordable improvements to Communications Connectivity.

DCR IT Sourcing Transition BReT**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/27/2016**Mandate:** No**Mission Critical:****Description:**

The Commonwealth is transitioning to a multi-supplier model for IT Infrastructure. This BRT outlines the

infrastructure DCR will need to plan and test in support of the transition.

Messaging BReT:

VITA is initiating disentanglement from NG messaging services in 2016. Messaging Services for email, enterprise collaboration services, and mobile device management are required for approximately 650 users in our agency, as well as another 100 resource mailboxes and calendars. We also have many applications that have hooks into messaging services which will need to be tested. DCR uses Workplace Collaboration Services (VITA provided SharePoint) for our intranet, electronic content management, and several internal applications. All of these will need to be redeveloped if they are to work on the proposed Google Sites/AODocs solution.

Server/storage (including housing of equipment) BReT:

VITA is initiating disentanglement from NG servers and storage. DCR has eight servers which will need to be migrated and tested during this transition. Twelve applications will be affected by this move and will need to be tested.

Authentication/directory services BReT:

DCR has 12 applications which will need to be migrated and tested during the authentication/directory services transition. Number of users (internal and external) are 650 internal and 100 external.

End user computing BReT :

DCR has 192 desktops, 396 laptops, and 36 network printers which will need to be migrated.

Data networks BReT :

DCR has MPLS circuits which will need to be migrated.

Voice Networks BReT:

DCR has 200 UCaaS phone lines which will need to be migrated.

Cloud Computing BReT:

DCR is interested in moving some applications to a Cloud services vendor. The business reason for the move would be reduce costs and increase efficiencies. We still need to assess what needs to be done to the applications and supporting infrastructure in order to become cloud ready.

Security Services BReT:

To meet Commonwealth Security requirements, DCR will engage VITA's Shared Security Services utilizing DPB funds.

Internet Usage BReT:

DCR projects that internet usage will increase by 50% due to increased usage of cloud services, and increases in video streaming/teleconferencing.

Report Title: Appendix A 16 - 18 Report

Agency: Department of Conservation and Recreation
(DCR)

Date: 2/24/2017

Agency Head Approval:

No

Budget Category: Non-Major Projects				
Ag NMP Module Development				
Oversight and Governance Category: Category 4: Low/Medium, Low/Low				
Appropriation Act/Funding Status			Investment Business Case Approval -	
<p>This project will integrate an Ag Nutrient Management Planning Module into DCR's existing Agricultural Best Management Practice (AgBMP) Tracking/Conservation Planning/Resource Management Planning system. This new module will allow Nutrient management specialists in DCR's regional offices provide direct technical assistance to farmers by develop site-specific nutrient management plans and simplify the reporting of data to the Chesapeake Bay Program to demonstrate progress in meeting the goals of the Chesapeake Bay Watershed Implementation Plan. The application will also be available to private nutrient management planners. This module will be integrated into the existing DSWC SQL Server/ArcGIS Server architecture. Estimated cost for the project over the FY17-18 biennium is \$694,000.</p> <p>The funding for the procurement for this project has been identified and secured. \$320k is from reprogramed FY14 CBRAP federal grant funds, \$210k is from FY16 CBRAP federal grant funds, and \$120k is from reprogramed FY14 CBIG federal grant funds. All of these funds have been identified specifically for this project. Other funding is for staff time which also comes from federal grants.</p>				
Planned project start date:	1/3/2017	Planned project end date:	6/29/2018	
PPEA Involvement:				
Estimated Costs:	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$694,000	\$0	\$694,000	
Estimated project expenditures first year of biennium:	\$322,000	\$0	\$322,000	Non-general - Federal
Estimated project expenditures second year of biennium:	\$372,000	\$0	\$372,000	Non-general - Federal
Funding Required:	Total	General	Nongeneral	Nongeneral Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	Non-general - Federal
Funding required for second year of biennium:	\$0	\$0	\$0	Non-general - Federal
Service Area			Weight	
199 DCR 50301 Statewide Agricultural and Urban Nonpoint Source Water Quality Improvements			Primary	
Project Related Procurements				

Procurement - Ag NMP Module Development

Procurement Description:	DCR works to manage agricultural nutrients found in fertilizers, manure, bio-solids and other sources so that they retain their efficient use yet don't impair the quality of Virginia's ground and surface waters. DCR uses various strategies to encourage proper land application of fertilizer, manure and sewage sludge for agricultural and urban purposes. Nutrient management specialists in DCR's regional offices provide direct technical assistance to farmers. They develop site-specific nutrient management plans to help farmers with manure testing for nutrient levels, calibrate nutrient application equipment, and coordinate soil nitrate testing in agricultural crop fields. This procurement is to support the development an application/database design to integrate a Nutrient Management Planning Module into DCR's existing AgBMP Tracking/Conservation Planning/Resource Management planning system replacing the existing NUTMAN3 software		
Planned Delivery Date:	1/3/2017		

Report Title: Appendix A 16 - 18 Report

Agency: Department of Conservation and Recreation
(DCR)

Date: 2/24/2017

Agency Head Approval:

No

Stand Alone Major Procurements

Procurement Name:	State Parks - Active Network Reservation Service 2015		
Procurement Description:	The Active Network remains the largest provider of reservation software and services to state and national parks and recreational facilities. The Virginia State Parks reservation center has been utilizing Active Network's (formerly ReserveAmerica and Info 2000) reservation product for 21 years and web reservation service for 10 years. Being an Active Network customer also comes with significant marketing perks including web presence, e-mail promotions, and banner advertising on Active Network outdoor recreation web sites. Since the implementation of the ORMS product in December 2006, our fees paid to Active Network are based solely on system use. All fees paid on this contract are collected from users through a transaction fee that covers the vendor use fee.		
Procurement Planned Start Date	3/1/2015	Procurement Planned Completion Date	7/1/2015
		Appropriation Act Status	
Service Area		Weight	
There are no service areas for this project.			