

Listing of Strategic IT Services

(FY 2010-11 Schedule IV-C

Worksheet SC-2)

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1. Authorizations, Compliance & Enforcement

Florida's environmental laws allow sites to be developed, projects to be built and facilities to be operated if there is reasonable assurance they will comply with those laws. Permits and other authorizations issued by the Department whether for air emissions, coastal construction, landfills, marinas, wastewater plants, or paper mills—establish detailed conditions (compliance standards) under which these activities can be conducted while preserving air and water quality. Compliance is essential to environmental and public health protection—and DEP's objective is to resolve violations of Florida's environmental requirements effectively and return violators to compliance as quickly as possible.

The following IT Systems are constituent elements of this Strategic IT Service.

- 1.a. ***Air Resources Management System*** – Main transactional system for Air staff to submit and review compliance, inventory and permitting data.
- 1.b. ***Air Compliance And Enforcement Search*** – Provides summary and detailed information about facilities compliance history and enforcement status.
- 1.c. ***ARMS Compliance Assurance Reports*** – ARMS compliance assurance related reports.
- 1.d. ***Asbestos Tracking*** – Tracks asbestos notifications of removal/demolition from sites in Florida and manages invoice processing and compliance assurance tracking.
- 1.e. ***Chaz***
 - 1.e.a. ***Chaz Reports (Compliance-Hazardous Waste-Web Reports)*** – CHAZ reporting module for web-based reports.
 - 1.e.b. ***Chaz County Small Quantity Generator Reports*** – CHAZ reporting module for the county small quantity generator (SQG).
 - 1.e.c. ***Chaz Rcra Epa Reports*** – CHAZ reporting module to allow EPA to view compliance data.
- 1.f. ***Clean Marina*** – Florida marinas database, pumpout, and grant info.

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- 1.g. **Comet Public & Web Reports** – Public reports provide public access to the Compliance and Enforcement Tracking (COMET) System reports. COMET Reports are web-based reports.
 - 1.h. **Compliance & Enforcement Tracking System** – Tracks compliance & enforcement information for water and waste divisions.
 - 1.i. **Compliance Hazardous Waste** – Tracks handlers and potential handlers of hazardous waste substances.
 - 1.j. **Contamination Locator Map (CLM)** – Allows public to locate sites currently under DEP's waste cleanup oversight.
 - 1.k. **Discharge Monitoring Report (DMR) Manual** – The On-line DMR Manual resides on the Intranet server and was designed to help users quickly find guidance on how to format and prepare Discharge Monitoring Reports for wastewater facilities.
 - 1.l. **Dry Cleaning Program Sites** – Contamination Information on Drycleaning Cleanup Sites.
 - 1.m. **Electronic Access System for Inspection Information Retrieval** – Provides compliance inspectors the ability to review and capture inspection data on a tablet in the field and upload to ARMS.
 - 1.n. **Electronic Inspection Point (EIP)** – EIP is a remote connection tool utilized by Wastewater program staff for inspections in the field.
 - 1.o. **Electronic Discharge Monitoring Report System (e2-EDMR)** – The Florida Electronic Environmental Discharge Monitoring Report (e2-DMR) system is a web-enabled information system that allows wastewater facilities to electronically send Discharge Monitoring Reports (DMRs) to the Department.
 - 1.p. **Erp Compliance/Enforcement** – The compliance and enforcement tracking system for the Environmental Resource Permitting group within the Division of Water Resource Management.
 - 1.q. **Florida Air Monitoring Assessment System** – Collects and manages data polled (and otherwise submitted) by ambient air monitors throughout the state. Contains a web component.
 - 1.r. **Florida's Air Quality System** – System designed to calculate raw ozone & particle pollution data collected from state monitoring sites and display that results on the web.
 - 1.s. **Florida Inspection Reporting Of Storage Tanks (FIRST)** – FIRST is a Java/web-based mobile technology application and integration service

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that will be superseding COMET. The application is based in java using the legacy STCM repository for data collection.

- 1.t. **Florida Integrated Environmental Systems Today (FIESTA)** – This is the main transactional system for the Integrated Management System, which currently interfaces with the WAFR and CHAZ systems managing wastewater and hazardous waste facility data. Also includes Clearinghouse which is a data quality review tool used by regulatory data stewards reviewing data.
 - 1.t.a. **Fiesta Reports** – The FIESTA reports module is the main transactional system for the Department's Integrated Management System.
 - 1.t.b. **FIESTA Managed Entity Summary** – The FIESTA Managed Entity Summary focuses on the business needs associated with displaying summary information for a selected managed entity, which currently manages wastewater and hazardous waste facility information.
- 1.u. **Green Lodging Survey** – Survey web site for public feedback on hotel services that are Green Lodging-certified.
- 1.v. **MapDirect** – DEP's comprehensive mapping application.
- 1.w. **OCP** – The DwrmOcp project contains public interfaces that allow Water operators to review and pay for biennial license renewal fees.
- 1.x. **Oil And Hazardous Materials Incident Tracking (OHMIT)** – Tracks information related to pollutant spills for the Bureau of Emergency Response.
- 1.y. **Permit Compliance System (PCS) Data Retrievals** – This website allows the ability to search for data and permitted limits contained in the PCS database. Website features Limit Retrievals, Data Retrievals, and Retrieval Instructions.
- 1.z. **Potable Water System** – Drinking water inventory and compliance/enforcement monitoring system. Reports are created to assist both DEP District staff and DOH (DEP delegated Health units) with reporting and compliance/enforcement decisions.
- 1.aa. **SITS (Site Investigation Tracking System)** – Tracks the investigation and cleanup, financial costs, and contract management of referred sites and SOLCP (state-owned lands cleanup) sites.

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- 1.bb. **Spatial Air Quality System: Phase 2** – SAQS focus displays air quality data from monitoring stations throughout the State of Florida in the department's CA (Consolidated Application).
- 1.cc. **Solid Waste Informational Tracking (SWIFT)** – SWIFT is a Java/web-based mobile technology application and integration service which builds on the Florida Inspection Reporting Of Storage Tank system.
- 1.dd. **Total Maximum Daily Load (TMDL) Tracker** – Stores and manages data related to Total Maximum Daily Loads, Minimum Flows and Levels, and Basin Management Action Plans.
- 1.ee. **Wacs Public Reports** – This is the web that allows for public access to the Water Assurance Compliance System (WACS) reports. WACS stores information for landfills, water facilities underground injection wells, water facilities wetlands, and water facilities stormwater.
- 1.ff. **WAFR Compliance Reports** – WAFR Compliance Reports that link WAFR facility data and COMET compliance and enforcement data.
- 1.gg. **WAFR Dmr Reports** – Reports to display data entered via the DMRENTY web application.
- 1.hh. **Wastewater Discharge Monitoring Report System** – Wastewater discharge monitoring report data entry application.
- 1.ii. **Wastewater Dmrlog Application** – Tracking systems for receipt and data entry of wastewater discharge monitoring reports.
- 1.jj. **Water Assurance Compliance System** – This application stores information for landfills, water facilities underground injection wells, water facilities wetlands, and water facilities stormwater. Application includes a reporting function for the WACS applications.

2. Authorizations

Many activities performed by the film industry in Florida may require *prior* authorization from the Department. Such activities include: Construction of structures (permanent or temporary), Dredging (such as to create a channel), Filling (which includes activities such as sinking or dropping structures or vehicles into the water), Use of chemicals, petroleum products, etc., and Cutting or removal, planting, or relocation of aquatic vegetation, especially mangroves. In general, activities located in wetlands or any open surface waters, other than normal and customary operation of vessels, may require some form of authorization from the Department.

The following IT Systems are constituent elements of this Strategic IT Service.

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- 2.a. ***Air Document Handling*** – Provide permit posting, permit search and document search functions for Air permitting staff.
 - 2.b. ***Air Permit Documents Search*** – Provides scanned PSD, Title V permit documents and permit documents zipped in PDF format.
 - 2.c. ***Beaches and Coastal Management Systems (BCMS)*** – This is a Permit Reporting Java Application used to extract information regarding various types of Beaches permits.
 - 2.d. ***Field Point (FP) Mobile*** – Enables DEP staff to create and issue dock permits in the field after storm events. Application is loaded onto a variety of hand-held devices.
 - 2.e. ***Florida Coastal Management Program (FCMP)*** – Application for querying the PA system for permitting, to ensure that they are following state laws. Data pulled is used in semi-annual reports to NOAA (from where they derive annual grants).
 - 2.f. ***Interactive Notice of Intent (iNOI)*** – Supports online, interactive Notice of Intent applications (generic permits for the NPDES stormwater program).
 - 2.g. ***Operator Certification Program (OCP)*** – Used by DEP staff to track all data and logistics dealing with the Operator Certification program.
 - 2.g.a. ***OCP Continuing Education Units (CEU) Upload*** – This application is used to enter Continuing Education Units (CEU) for Drinking Water and Wastewater facility operators.
 - 2.g.b. ***OCP License Generator*** – This application generates the licenses for the OCP program.
 - 2.g.c. ***OCP Public Reporting Application*** – This application represents the public facing, internet version utilized for reporting needs to the public, dealing with the Operator Certification Program (OCP).
 - 2.g.d. ***OCP Exam Submissions*** – This website tracked and handled logistics, regarding exam functionality of the OCP application.
 - 2.g.e. ***OCP Test Generator*** – This application is a standalone desktop installation. This program generates the exams that are given to the operators for the program.
 - 2.h. ***Permit Builder (PBR)*** – Supports permit creation for domestic and industrial wastewater permits. Application generates permits, discharge monitoring reports, permit notices, fact sheets and statements of basis.

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- 2.i. **Permitting Application (PA)** – Application to track applications and regulatory permits, which include a web reporting interface for permitting application data.
 - 2.j. **Selfcert** – Allows public users to determine if they can self-certify a single-family dock and if so, provides written confirmation of qualification so that further contact with FDEP will not be necessary.
 - 2.k. **Storage Tank Contamination and Monitoring (STCM)** – Used for registering storage tank sites and tracking contamination cleanup.
 - 2.l. **Wastewater Facility Regulation System** – System for tracking wastewater facilities and related sites, and legal documents regulating wastewater treatment and disposal.
 - 2.m. **Water Well Contractor Violation Clearinghouse (WWCVC)** – Provides access to information on all Florida licensed water well contractors.

3. Law Enforcement

The Department's Division of Law Enforcement includes 138 officers and investigators within DEP are sworn state law enforcement officers with full powers of arrest. As the uniformed law enforcement representative of DEP, the Division's officers are the guardians in the field, responsible for the enforcement of Florida's environmental laws and regulations for the detection and investigation of suspected violations. Each day, personnel assist in emergency response, conduct environmental investigations, patrol 160 state parks and educate the public to ensure that Florida's environment is protected for the generations to come.

The following IT Systems are constituent elements of this Strategic IT Service.

- 3.a. **Activity** – Tracks how much time park officers spend performing specific tasks.
- 3.b. **Caseinfo** – Investigations case management system. Applicant tracking database for Park Police incidents and arrests. Also captures officer activity (hours spent performing specific tasks).
- 3.c. **Legal Case Tracking** – Track legal cases managed by DEP resulting from environmental violations, permitting, rule challenges and administrative actions.
- 3.d. **SmartCop** – Client/server application that allows sworn members to create and submit criminal citations, warnings, offense reports, and arrest reports. Reports are routed through supervisors for approval. Also captures suspect, vehicle, and property information.

4. Natural Resource Management

The health of Florida's ecosystems depends on dynamic natural processes associated with fire, hydrology, and a delicate ecological balance between native species. Natural resource management on the 589,910 upland acres in the Florida State Parks involves four major activities: prescribed burning, invasive exotic species control, hydrological restoration, and other kinds of habitat restoration. Most of this work is done by park staff as a part of their day to day activities, which also include the many other aspects of providing recreational facilities and opportunities to over 21 million park visitors annually. The Department's resource management goal is to restore and maintain the original landscapes of Florida by reestablishing these processes. In this way we insure that citizens and visitors experience healthy old-growth forests, wildflower-blanketed prairies, free-flowing springs, and an abundance of diverse native wildlife in The Real Florida.

The following IT Systems are constituent elements of this Strategic IT Service.

- 4.a. **Acquisition Process Information System** – An information system used to support the Acquisition Process in the Division of State Lands. The system tracks the acquisition process starting with acquisition planning, negotiation, survey, appraisal and finally closing.
- 4.b. **Automated Data Management (ADM) System** – The ADM application is utilized for data reviewing and cleaning before it is released to the public. The ADM is fundamentally a reporting application which provides various reports to program staff.
- 4.c. **Bioassessment Report Tracker** – The Bioassessment Report Tracker will track the logistics of bioassessments throughout the entire process.
- 4.d. **Data Quality Dashboard (DQD)** – The main purposes of DQD are to make available the quality of our locational information and to provide tools for data managers to address locational quality assurance and the improvement of locational accuracy.
- 4.e. **Field Point** – FieldPoint is used to correct and refine coordinate data within the Departments Oracle databases. FieldPoint was developed in 2004 to support WRMs initiative to improve the quality of locational data through the Source Water Assessment and Protection (SWAP) program.
- 4.f. **Florida Geological Survey (FGS) Wells Database** – Digital database of FGS well data and records of sample repository holdings.
 - 4.f.a. **FGS Well Log System** – Digital database of FGS well sample lithologic descriptions.

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- 4.g. **FSPLI2** – A legislatively mandated information system that gathers data from each county within the State of Florida and provides a statewide inventory of publicly owned lands.
 - 4.h. **Generalized Water Information System (GWIS) Database Utilities** – This application is used to maintain the OGWIS database. Users include the staff working for the Watershed Monitoring and Data Management Section of the Florida Department of Environmental Protection (FDEP), the Florida Water Management Districts, and County Agencies.
 - 4.h.a. **GWIS Database Utilities Intranet version** – This version of the website was combined with the internet version, to remove redundant application.
 - 4.i. **Gypsum Stacks** – This website is used by Mine Reclamation staff to track status, mapping and additional information (like surge capacity) of phosphate gypsum stacks.
 - 4.j. **Hydroport-Data Retrieval System** – A tool used to view/edit/insert/analyze/report data (QA/QC) related to the business function of the GWPS.
 - 4.k. **Integrated Land Management System** – Tracking/workflow systems for land management processes such as lease creation, easements, etc.
 - 4.l. **Land Acquisition Contract Assembly Program** – Contract assembly system for Land Acquisition activities. System is used by state employees as well as private vendors hired by the Division of State Lands to pursue the acquisition of desired land. LACAP ensures uniform use of contract language.
 - 4.m. **Outdoor Recreation Planning (ORP) System** – Stores and manages data about the supply/demand of recreational facilities & activities in Florida public and private parks.
 - 4.m.a. **Outdoor Recreation Planning (ORP) Public Access Reports** - Public access reports for the Outdoor Recreation Planning System
 - 4.m.b. **Outdoor Recreation Planning System Web Reports** – This is a web reporting function for the ORP applications.
 - 4.n. **Park Project Management And Tracking System (PPMTS)** – Tracks information related to contractors, expenditures, encumbrances and payments associated with park projects.

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- 4.n.a. **PPMTS Reports** – PPMTS reports module. PPMTS tracks information related to contractors, expenditures, encumbrances and payments associated with park projects.
- 4.o. **Reconnaissance Offshore Sand Search (ROSS)** – Mapping application and business process involving the operation and maintenance section of the (Sandpan - ROSS Database) Reconnaissance Level Regional Sand Search of Florida (Sandpan) – Reconnaissance Offshore Sand Search (ROSS) Database.
- 4.p. **Recreation And Parks Management System (RPM)** – Tracks attendance at FL State Parks.
- 4.p.a. **Recreation And Parks Management System (RPM) Reports** – This is the RPM reporting module. The Recreation & parks Management (RPM) System tracks attendance at FL State Parks.
- 4.q. **Source Water Assessment and Protection Program (SWAPP) Reports** – The website provides a series of reports, statistics and other useful information for the DEP SWAPP program (Source Water Assessment and Protection Program). This website is centric towards field efforts, utilizing GIS.
- 4.r. **Submerged & Uplands Public Revenue System** – Generates invoices for Leases/Easements of state owned submerged lands/uplands/commercial lands. Post payments to invoices through linkages to CRA.
- 4.s. **STORET Public Access (SPA)** – STORET Public Access (SPA) application is a public-facing application which taps directly into the Florida STORET data warehouse. The warehouse contains all of the water quality, biological, and physical data collected in Florida that is loaded to the U.S. Environmental Protection Agency's (EPA's) Modernized STORET database, along with historical Legacy STORET data.
- 4.t. **WAFR Facilities Lat/Long QA Progress Report (Viewpoint QA)** – This served as a reporting platform for the field tool that was utilized for collecting Lat/Long data for the WAFR and SWAPP programs.
- 4.u. **Web Electronic Field Sheets (WELFS)** – The Web Electronic Field Sheets (WELFS) is a companion application to ELFS. WELFS enables users to further query, edit, and perform QA checks on the field sampling data initially uploaded from ELFS.

5. Permits

The Environmental Resource Permit (ERP) Program represents the merging of the former wetland resource permitting (WRP) program from Chapter 403, F.S., with the management and storage of surface waters (MSSW) permitting program in Part IV of Chapter 373, F.S. The ERP program regulates the construction, alteration, maintenance, removal, modification, and operation of all activities in uplands, wetlands and other surface waters (whether publicly or privately-owned) that will alter, divert, impede, or otherwise change the flow of surface waters. That includes dredging and filling in most surface waters and wetlands (whether isolated or connected to other waters). For example, this program covers the construction of new buildings, roadways, and parking areas that increase impervious surfaces and stormwater runoff.

The following IT Systems are constituent elements of this Strategic IT Service.

- 5.a. **Area Source General Permits** – Formerly tracked compliance inspection information for Title V AREA source inspections. This application has been replaced by GPCI-Lite, but the data has been made available for view only.
- 5.b. **Electronic Permit Submittal And Processing (EPSAP) Long Form** – Provides applicants electronic submissions of Long Form applications.
 - 5.b.a. **EPSAP Non-Title V** – Provides applicants electronic submission of Non-Title V permit applications.
 - 5.b.b. **EPSAP Engineer Review** – Provides a system to review and update electronically submitted Non-Title V and long form applications.
 - 5.b.c. **EPSAP Inventory** – Provides a system to review and update submitted Non-Title V and Long form applications by applicants and engineers.
- 5.c. **General Permit Compliance Information** – Provides inspectors of Air General Permits to update compliance information and upload checklists.

6. Water Resource Management, Assessment & Restoration

The Department's Water Programs are responsible for protecting the quality of Florida's drinking water as well as its rivers, lakes, wetlands, springs and sandy beaches, and for reclaiming mined lands. The Programs provide the technical basis for setting the state's water quality standards; develop the rules and

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guidance for implementing these standards; and conduct permitting, compliance, and enforcement programs to establish these standards throughout the state. They also implement a comprehensive statewide watershed management program designed to identify and restore impaired water bodies.

The following IT Systems are constituent elements of this Strategic IT Service.

- 6.a. Class AA Residual Database** – Contains information from the monthly distribution marketing reports. This data is used to keep track of Class AA Residual's.
- 6.b. Laboratory Information Management System (LIMS)** - A software system used in laboratories for the management of samples, laboratory users, instruments, standards and other laboratory functions such as invoicing, plate management, and workflow automation.
- 6.c. Pretreatment Database** – Contains Pretreatment information required from each facility. The data is then used to prepare quarterly reports to the EPA.
- 6.d. Reuse Inventory Database** – Contains information from the Reuse Inventory Reports required from each facility. The data is then used to prepare Annual reports.
- 6.e. Reuse Pathogen Monitoring Database** – Contains information from the Reuse Pathogen Reports required from each facility. The data is then used to prepare Annual reports.
- 6.f. Statewide Biological Database (SBIO)** – Contains information from the Reuse Pathogen Reports required from each facility.
- 6.g. StormTracker** – Used FL Public Drinking Water & Wastewater facilities to report post emergency (Hurricane, Terrorist Attack, etc.) status. The information is used to develop up-to-date post Hurricane (or other emergency event) water facility status & need reports.
 - 6.g.a. StormTracker Demonstration Version** – This is a demonstration version of the StormTracker application. The majority of the StormTracker functionality is accessible through this application (State and Facility access). This demonstration site points to a Beta database of the StormTracker application, to allow for a proper sandbox environment.
- 6.h. Water Gateway** – Portal for Water staff to access a wide variety of information, websites and application.