| Projects | Point of contact | FY 18 Total Funding Needs | FY 18 Funding Notes | Estimated cost for each part of the project (e.g. by planned deliverable such as IT components, pilot etc.) | Milestones | Will the project be complete in FY18 or continue into FY19? |
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| Pesticides Data Accessibility Label Matching | Alan Boutureira/Mardi Klevs | | | Need an IT contract manager for state database | | Initial project will be finished March 2018. Follow on project for sharing inspection data between EPA and states so that both are not inspecting the same label resulting in some products being reviewed too many times and others not at all. |
| QAPPS | Micco Emarthla | $ 50,000.00 | | Facilitation support for QAPPs working group and first step in | | |
| Tribal Water Quality ATTAINS | Micco Emarthla/Laura Shumway | $ 17,500.00 | | finish 2 year pilot and trainings for 15 tribes | Training in Spring for tribes with water quality standard, next step will be ATTAINS, also EN grant to help pilot tribes to be mentors | pilot phase with 15 tribes will be complete then other tribes can begin reporting to ATTAINS |
| State/Tribe Partner Profile Inventory | Chris Simmers | $ - | | using existing funds | | yes |
| Permitting (TBD) | TBD | | | | | |
| Respectful Use of Data: ECHO (EPA's Enforcement and Compliance History Online) Case Study | John Dombrowski / Matt Leopard | | | Contractor support for implementation of a governance process with states | Stand-up goverance structure whicjh includes members from ECOS by June 2018 | Governance process to continue beyond FY18 -- contractor support needed for facilitation purposes. |
| Smart Mobile Tools for Field Inspectors | David Meredith | $ - | | Funding carried over from last year will be enough for FY18. Need funds for FY19 | Contract awarded: Customize for EPA computer environment. start pilot testing. MOU with OECA and ECOS--start training, pilots and implementation with states. Need travel $$ for states and regions to attend training. | Yes, new programs will be added. |
| Regulation Finder (formerly Laws and Regulations Registry Service) | John Harman | $ - | | | Working across EPA to improve data on substance-regulation linkages to enable operation of Regulation Finder. | Version 1 in FY18 |
| Portal Assistance Gateway--Enhanced collaboration with communities (SP) | Sheryl Rosner/ John Dombroski/ Laura Letson | 75000 | $6K to $75K | Effort can range from providing simple links from portal to the Compliance Assistance Centers to devlopment of a new Center for a new sector that is fully integrated with the portal which would provide a template for other Centers to work towards. | TBD | Depends on option selected |
| Shared Services Strategy | Todd Holderman | $ - | | $0 | Developing a policy on Shared Services | FY19 |
| **Advanced Monitoring Strategy and Implementation (SP)** | Leslie Cronkhite | | | | | |
| Advanced Monitoring: Scan and Screen Network (SP) | Leslie Cronkhite/James Zimny | $ 30,000.00 | | increase the number of devices. | | |
| Advanced Monitoring: Data Interpretation and Communication (SP) | Leslie Cronkhite/Kristen Benedict | $ 200,000.00 | | Develop prototype tools for displaying real-time sensor data in conjunction with regulatory monitor data and understand measurement and data analytic uncertainties and 'corrections' through pilot study with outside organization(s).<br><br>Messaging to inform individuals on what action they should take when they get a short-term (e.g. one minute) reading for different pollutants. | Visualization tools that incorporate traditional measurement data alongside sensor data Draft messaging on NO2, SO2, benzene and CO. | |
| Advanced Monitoring: 3rd Party Certification Options Analysis (SP) | Leslie Cronkhite/Stacy Katz/Gail Robarge | $ 150,000.00 | | Conduct literature review and draft sensor performance targets for PM2.5, PM10, CO, NO2, SO2, and O3 sensors Work with standard setting organizations to further develop PM2.5 performance targets to foster the market for reliable PM2.5 sensors as a foundational piece for a voluntary third-party certification program. | Performance targets for PM2.5, PM10, CO, NO2, SO2, and O3 sensors. | |
| Advanced Monitoring: Consideration for Leaning methods approval processes (SP) | Leslie Cronkhite/Adriana Felix-Salgado | $ 40,000.00 | | documenting the results of the methods approval process. | | |
| Advanced Monitoring: Recommendations for Data Standards for Continuous Monitoring Devices (SP) | Leslie Cronkhite/Dwane Young/Ethan McMahon | | haven't connected with Dwane | | | |
| **Total for Advanced Monitoring** | | **$ 420,000.00** | | | | |
| **Combined Air Emissions Reporting (CAER)** | Joe Mangino | | | | | |

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| CAER: Common Form Prototype | | $ 450,000.00 | | $200k OEI Innovation Fellow to lead the technology design (Plus permission to hire).<br><br>$250K to build form and prototype with one state | (a) Recommendation on a preferred technology approach for implementing CAER<br>(b) Working prototype of a Common Emissions Form | |
| CAER: FRS Enchancements | Joe Mangino | $ 170,000.00 | | $100K to Update FRS connectivity (web services) and user interface to support EPA air program emissions collection for the Common Emissions Form, Risk and Technology Review (RTR) assessments and NEI<br>$70K Determine the needed updates to the FRS data model and application programming interface (API) to meet CAER needs for state, local, and tribal air agencies. | FRS enhancements to allow (a) Facility data flow from FRS to a Common Emissions Form, (b) automated facility data flow to/from EPA air programs, (c) list of needed updates to FRS to support state, local, tribal agency air programs | |
| CAER: Facilitation and Data Analysis Support | Joe Mangino | $ 100,000.00 | | Facilitation support and data analysis support for the CAER PDT Phase 2 projects | Five reports and supplementary data (e.g., survey results) identifying root causes of inefficiencies and potential solutions to those. | |
| CAER: SCC/Emission Factors project | Joe Mangino | $ 200,000.00 | | Update systems on which CAER relies to promote the data sharing and system connectivity needed across EPA systems. | (a) Updated WebFIRE to provide emission factors for use in CAER Common Emissions Form, (b) Updated CEDRI that sends facility data automatically to FRS, (c) List of web service needs for Common Emissions Form, (d) Working web services for emission factors and other needs | |
| **Total for CAER** | | **$ 920,000.00** | | | | |
| SPeCS for SIPS: State Plan Electronic Collection System for State Plan Submissions | Ron Evans | $ 60,000.00 | | legacy systems will be integrated into SPeCs | phasing out of legacy systems | |
| SPeCS for SIPS: Additional system development for SIP review and processing | Ron Evans | $ 415,000.00 | | Enhancements based on initial user feedback; Regional Haze SIP/FIP collection and tracking; exceptional events demonstrations; integration of additional existing systems (SIP Issues Database, OGC review portal, SIP compilations); enhanced SharePoint compatibility; accommodating local jurisdictions encryption; Tribal Implementation Plans (TIPS); enhanced management reports and public reports; enhanced EPA system administrator module; interface with the docket and FDMS/regulations.gov; interface with EPA's Office of Policy's Regulatory Management System | incorporation of several additional programs into SPeCS for SIPS | |
| **Total for SPeCS for SIPS** | | **$ 475,000.00** | | | | |
| Facility Integration Project | Susan Joan Smiley/Ron Evans | $ 30,000.00 | | IPT team support and documentation | Complete Phase II. Initiate Phase III by end of Q3. | Phase II completed in FY19; initiation of phase III facility integration work will planned for FY19 |
| Facility: Facility Rhode Island Pilot | Susan Joan Smiley/Ron Evans | $ 216,000.00 | | Edit Service $100k; Add Service $116k | web services implemented in test environment in Feb 2018 | Yes piloting services in test environment completed in 2018. However, Rhode Island may be involved in subsequent related efforts to implement in production environment |
| Facility: Facility Business Rules | Susan Joan Smiley/Ron Evans | $ - | | | Business Rules v1.0 document completed in March 2018 | Completed in FY18; living document that is updated with results from SLT pilots as needed |
| Facility: Facility User Stories | Susan Joan Smiley/Ron Evans | $ - | | | User Storiesv 1.0 document complete in January 2018 | Yes; living document that is updated as new user stories identified |
| Facility: Facility Model/APIs | Susan Joan Smiley/Ron Evans | $ - | | Develop requirements for web servies | Web service(s) requirements | Ongoing |
| Facility: Facility - CAER Pilot | Susan Joan Smiley/Ron Evans | $ - | | in OAR request - see OAR Strategtic Enterprise Investments document | CAER/FRS interface development andpopulation data model expansion | Ongoing |
| **Total for Facility** | | $ 246,000.00 | | | | |
| Enterprise Identity Management Implementation CROMERR Pilot with States (1st phase FY18) | Connie Dwyer | $ - | | Prepare scope of activity and socialize with key E-Enterprise partners | | FY18 |

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| Enterprise Identity Management Implementation On-Boarding with E-E Partners | Connie Dwyer | $ - | | $0 | Refine on-boarding materials | FY18 |
| Enterprise Identity Management Implementation CROMERR Pilot with States (1st phase FY18) | Connie Dwyer | $ 350,000.00 | | Q2- $50,000<br>Q3- $50,000<br>Q4- $200,000<br>Q1 (FY18)- $50,000 | Q2-Develop/compare current CROMERR implementations with partners<br>Q3-Develop/design approach<br>Q4-Integrate Level 2 (CROMERR) identity-proofing, authentication, authorization with state partners<br>Q1(FY18) Test/pilot Level 2 authentication with E-Enterprise Portal interface | Continue into FY19 |
| Enterprise Identity Management Implementation On-Boarding with E-E Partners | Connie Dwyer | $ 75,000.00 | | Q1 - Q4- $50,000<br>Q4- $25,000 | Q1 - Q4-On-board two new partners into successful test environments<br>Q4- Update on-boarding guidance and documentation | Milestones completed in FY18 and continued on-boarding ongoing |
| **Total for Identity Management** | | $ 425,000.00 | | | | |
| **Portal Development (SP)** | Laura Letson | | | | Continue | |
| Portal Architecture Redesign | | $ 170,000.00 | $ 50,000 | Evolution; evaluate and implement how to leverage other agencies systems and lessons learned | Continue | |
| Portal Architecture Redesign | | | $ 20,000 | Orchestration layer prototype | Continue | |
| Portal Architecture Redesign | | | $ 100,000 | Ochestration layer executed | Complete | |
| Portal Enterprise Identity Management Security Bridge | | | | | | |
| Portal CDX Integration | | $ 60,000.00 | $ 20,000.00 | UI, navigation and rules of behavior | Complete | |
| Portal CDX Integration | | | $ 40,000.00 | Data flow apis | Complete | |
| Portal Enterprise Service Management Tool | | $ 100,000.00 | $ 100,000.00 | V1 service for roles based management of EE Partner applications | Continue | |
| Portal Usability and Visualizations | | $ 100,000.00 | $ 100,000.00 | Implement recommended improvements (open/close widgets, icons, etc) | Complete | |
| Portal Profile Search | | $ 100,000.00 | $ 15,000 | data analysis to determine key elements for initial profile set, agency appliance and elastisearch to id right service and tool , settle on profile base | Continue | |
| Portal Profile Search | | | $ 85,000 | reengineer metadata processes | Continue | |
| Portal Generic Permit Search | | $ 100,000.00 | $ 100,000 | V1 convert current search function to Enterprise service - UI, schema development, program coordination (started w data published) - need program agreement | Continue | |
| Portal Notifications | | $ 150,000.00 | $ 150,000 | V1 permit status - workflow dev thru permitting team first | Continue | |
| Portal Governance & Maintenance | | $ 343,000.00 | $ 80,000 | O&M fixed costs | Continue | |
| Portal Governance & Maintenance | | | $ 263,000 | O&M general, fixes, improvements, documentation | Continue | |
| **Portal Total** | | $ 1,123,000 | | | | |