



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
441 G STREET, NW  
WASHINGTON, DC 20314-1000

REPLY TO  
ATTENTION OF

OCT 25 2016

CECW-CO

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Standardized Work Category Codes and Definitions for the Civil Works Operation and Maintenance Appropriation Account by Business Line

1. Reference.

- a. CECW-CO memorandum, SUBJECT: Standardized Resource Codes for the Civil Works Operations and Maintenance Appropriation, 22 May 2015.
- b. EC 11-2-210 Corps of Engineers Civil Works Direct Program Development Policy Guidance Fiscal Year 2018.

2. Purpose. This memorandum revises the standard Work Category Codes (WCC) and definitions for the Civil Works (CW) Operation and Maintenance (O&M) appropriation account by business line. These WCCs will be used throughout USACE when creating and approving Purchase Requests and Commitments (PR&C) and developing budget packages for work to be performed under the CW O&M appropriation. Given the constrained budget environment, regional and national consistency in charging practices is paramount; therefore, it is essential that we understand where our limited funds are being expended and report those expenses accurately.

3. Guidance.

a. Work Category Codes are used to further identify the business line specific type of work to be performed, allowing costs to be categorized by similar purposes. Appendix 1 to this document covers the available WCCs with descriptions of the type of work activities that will be charged to those codes. Each Command must use the WCCs in this memorandum to accurately report expenses incurred for the CW O&M appropriation for the majority of PR&C's and for the purpose of budgeting work in the appropriate business line in P2 and the Civil Works Integrated Funding Database (CW-IFD) module.

b. Effective 1 October 2016, all expenses by offices charging to the O&M appropriation must follow the WCC guidance in this memorandum in order to promote accuracy, uniformity and consistency of charging practices. Districts will need to change existing structure/procedures to comply with this memorandum. This guidance only affects future PR&C's and work packages – no existing or past PR&C's will need to be changed. WCC's that have been eliminated will remain available for review and historical reporting purposes.



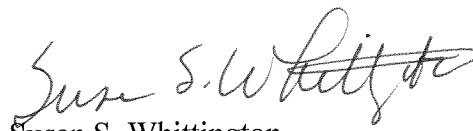
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c. Standardized reports are available in Corps of Engineers Financial Management System (CEFMS) to assist in reviewing and analyzing these data to provide quality control and consistent reporting. Appendix 2 lists CEFMS reports and provides examples.

d. The Work Category Code PDT will be tasked with development and publication of standardized reports in the Enterprise Data Warehouse under the Standardized Activities and Cost Budget Framework initiative.

4. Point of Contact. Questions regarding this subject should be referred to Ms. Andrea Murdock McDaniel at 469-487-7059 or [Andrea.L.Murdock-Mcdaniel@usace.army.mil](mailto:Andrea.L.Murdock-Mcdaniel@usace.army.mil).

  
Susan S. Whittington  
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1. Appendix 1  
Operation and Maintenance Work Category Codes and Definitions by Business Line
2. Appendix 2  
CEFMS Report and Examples

DISTRIBUTION:

MAJOR SUBORDINATE COMMANDS:

Commander, Great Lakes and Ohio River Division, Attn: CELRD-OR-ET-CO  
Commander, Mississippi Valley Division, Attn: CEMVD-PD-KM  
Commander, North Atlantic Division, Attn: CENAD-ET-O  
Commander, Northwestern Division, Attn: CENWD-ET-O  
Commander, Pacific Ocean Division, Attn: CEPOD-ET-C  
Commander, South Atlantic Division, Attn: CESAD-ET-C  
Commander, South Pacific Division, Attn: CESPDP-ET-CO  
Commander, Southwestern Division, Attn: CESWD-ET-O

DISTRICT COMMANDS:

Commander, Alaska District, Attn: CEPOA-CO  
Commander, Albuquerque District, Attn: CESWA-OD  
Commander, Baltimore District, Attn: CENAB-OP



# Appendix 1 – Operation and Maintenance Work Category Codes and Definitions by Business Line

## Work Category Codes and Definitions Operation Accounts By Business Program:

Navigation (601--)  
Flood Risk Management (602--)  
Hydropower (603--)  
Environmental (604--)  
Recreation (605--)  
Joint Activities (606--)  
National Emergency Preparedness Program (NEPP) (607--)  
Water Supply (608--)

Operation Work Category Code Matrix (by Business Line)								
WCC	NAVIGATION 601XX	FLOOD DAMAGE REDUCTION 602XX	HYDROPOWER 603XX	ENVIRONMENTAL 604XX	RECREATION 605XX	JOINT ACTIVITIES 606XX	NEPP 607XX	WATER SUPPLY 608XX
60X10	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION
60X20	STUDIES & SURVEYS	STUDIES & SURVEYS	STUDIES & SURVEYS	STUDIES & SURVEYS	STUDIES & SURVEYS	STUDIES & SURVEYS	RESERVED	STUDIES & SURVEYS
60X30	DAM SAFETY	DAM SAFETY	DAM SAFETY	DAM SAFETY	DAM SAFETY	DAM SAFETY	RESERVED	DAM SAFETY
60X40	WATER MANAGEMENT	WATER MANAGEMENT	WATER MANAGEMENT	WATER MANAGEMENT	WATER MANAGEMENT	WATER MANAGEMENT	RESERVED	WATER MANAGEMENT
60X50	REAL ESTATE MANAGEMENT	REAL ESTATE MANAGEMENT	REAL ESTATE MANAGEMENT	REAL ESTATE MANAGEMENT	REAL ESTATE MANAGEMENT	REAL ESTATE MANAGEMENT	RESERVED	REAL ESTATE MANAGEMENT
60X60	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	RESERVED	ENVIRONMENTAL COMPLIANCE
60X70	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
60X80	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
60X90	FACILITY SECURITY	FACILITY SECURITY	FACILITY SECURITY	FACILITY SECURITY	RESERVED	FACILITY SECURITY	RESERVED	RESERVED

A Breakdown of Work Category Codes (WCCs) and descriptions under these functions is on the following pages.



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**WORK CATEGORY CODE: 60110 – Operation for Navigation.**

WORK CATEGORY DESCRIPTION: Operation of Locks, Dams, Reservoirs, Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), Permanent Operating Equipment, etc. for navigation features.

This Work Category Code (WCC) includes all costs for the operating NAV facilities including labor, hired labor and contract support, materials, supplies, equipment and transportation costs. For municipal or industrial water delivery activities, a separate sub-element should be established in CEFMS to record appropriate costs for each such facility for cost allocation purposes. Buildings which house operating machinery, spare parts, equipment, etc., for a specific purpose will be charged to the appropriate Business Line Work Categories. However, buildings which house operating machinery and serve multiple purposes are included in this activity, although the costs to operate the machinery are charged to the appropriate Business Line Work Categories. Specific activities – labor, supplies, materials, and contracts – that should be charged to this WCC include the following:

1. Administration, management, and budget development - collecting and maintaining operational records, required report development, OMBIL, P2.
2. Dam contingency and surveillance plans.
3. Utilities.
4. Automotive, truck and other equipment expenses. Vehicle accounts will be maintained by group classifications as provided for Revolving Fund vehicles.
5. Visually monitoring reservoir conditions.
6. Site specific orientation on unique project features, equipment or operations. (e.g. overhead crane, mobile equipment, gate operation etc.)
7. Annual inspections, dams, bridges and hydraulic steel structures.
8. Bridge operation.
9. Removing and disposing of trash, debris, ice, snow, on or in the vicinity of the dam or dam structures, project roads, parking areas and walkways.
10. Cleanup of dam structures and facilities.
11. Cleanup of project roads, railroads, and bridges.
12. Minor cleaning or mowing of project area for weeds, brush, trees, and aquatic growth vegetation control. (Major periodic or one-time removal of growth and debris from the reservoir should be recorded under WCC 61110.)
13. Routine testing and adjustment of gauges, meters, instruments, and relays in dam structures.
14. Project specific dam safety/failure instruction of project personnel, preparation of emergency, contingency, and surveillance plans.
15. Technical assistance to local interests concerning dam failure.
16. Minor bank erosion control.
17. Boundary surveillance and routine, recurring maintenance of boundary monuments at projects without natural resource activities.
18. Elimination of health and safety hazards.

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19. FEM management and data entry.
20. Minor patching, signs, ditch cleaning, culvert cleaning and similar duties for roads and walkways serving NAV functions.
21. Routine replacement, purification and testing of insulating, lubricating and hydraulic oils, lubricants and lubricating equipment.
22. Minor preventive maintenance of electrical equipment, cleaning, testing, and adjustment of motor starters, relays, meters, and similar equipment.
23. Minor preventive maintenance and repair of pumps, motors, engines, trash racking equipment, gate hoists, gates, firefighting, and other equipment required for operation.
24. Minor preventive maintenance of buildings, roads, and grounds.
25. Surveillance at harbors, channels, waterfront construction sites, and at overboard ocean dumping sites, costs to administer outstanding enforcement actions on prior noted violations of Federal statutes, and any costs required for ground or aerial surveillance.
26. Costs of buildings, grounds and utilities related to the operation of the Los Angeles-Long Beach hydraulic model.
27. Prevention of obstructive and injurious deposits at NAD projects as authorized by the Act approved 29 June 1888, as amended.

**WORK CATEGORY CODE: 60121 – Studies and Surveys for Navigation.**

WORK CATEGORY DESCRIPTION: Studies and Surveys including project condition surveys, dredging studies, etc. for navigation features.

Includes all costs to perform surveys for the purpose of determining elevation, grade and sedimentation conditions in navigation projects, investigation of sunken vessels, and to prepare dredging studies. For program management purposes, all projects with funding requirements (dredging or otherwise) under the baseline levels should have any needed surveys programmed under the project name. All other surveys should be programmed in aggregation under Project Condition Surveys.

**WORK CATEGORY CODE: 60122 – Studies and Surveys for Navigation – Major Rehabilitation Evaluation Reports.**

WORK CATEGORY DESCRIPTION: Major Rehabilitation Evaluation Reports for navigation features.

Includes all costs to initiate new, or continue ongoing, major rehabilitation evaluation reports. Operation and Maintenance (O&M) funds are to be used only until Construction (C) funds are allocated to the project.

**WORK CATEGORY CODE: 60123 - Studies and Surveys for Navigation - Environmental Studies and Monitoring for Dredging Purposes.**

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**WORK CATEGORY DESCRIPTION:** Environmental Studies and Monitoring for Dredging Purposes.

Includes all costs for environmental studies and monitoring for dredging purposes including:

1. All costs of study and analysis activities associated with long range environmental activities related to waterways. These activities are needed to ensure that appropriate information and requirements are fulfilled so that E&D for dredging can be completed on a timely basis.
2. Dredged Material Management Plans (DMMPs).
3. Environmental requirements to perform maintenance dredging of Federal channels (e.g., water quality certification, bio-assays, water quality testing, Environmental Impact Statements, and environmental assessments).

**WORK CATEGORY CODE: 60131 – Dam Safety for Navigation - Instrumentation, Data Collection and Analysis.**

**WORK CATEGORY DESCRIPTION:** Instrumentation for Engineering Analysis and Continuing Evaluation Data Gathering Inspections, and Data Analysis for Dam Safety related to navigation features.

Includes all costs for instrumentation for measuring horizontal and vertical movement, stresses and strains, pore pressure, phreatic surfaces, seismic effects, and seepage clarity and quality:

1. Operation of instruments in existing dam structures for safety evaluation.
2. Collecting, analyzing and reporting instrumentation data.

**WORK CATEGORY CODE: 60132 – Dam Safety for Navigation - Formal Periodic Assessments, Inspections and Reports.**

**WORK CATEGORY DESCRIPTION:** Formal Periodic Assessments, Inspections and Reports for Dam Safety related to navigation features.

Includes all costs related to the scheduled periodic assessments, inspections and reporting of projects and bridges needed to meet inspection frequency requirements of ER 1110-2-1156 and ER 1110-2-111 as follows:

1. Dams, locks and dams, initial and second inspections if funded under O&M General, and high hazard structures.
2. Public Bridges.
3. Structures whose failure would be a major loss to the national infrastructure or cause severe economic distress.
4. Other projects where known conditions warrant inspections at a frequency more often than normal including revetments, dikes, groins, breakwaters, jetties, seawalls, piers and other similar structures provided in seas, lakes, rivers, canals, exposed tidal waters and harbors.

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**WORK CATEGORY CODE: 60141 - Water Management (Control and Quality)  
Activities for Navigation - Analysis and Studies.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Analysis, Studies and Regulation Instructions for navigation features.

Includes all costs for personnel and space to manage the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current water control/quality plan.

1. Prepare routine regulation instructions and runoff forecasts, coordinate with other agencies and entities.
2. Prepare water control manuals.
3. Disseminate water control information.
4. Coordination activities, travel and other associated costs required to make sound water control management decisions.
5. Reservoir and river analyses to improve the quality of water within and downstream from the reservoirs.
6. Water management studies to improve efficiency or mitigate constraints on approved plans of regulation, annual updating of notification lists, and funds transferred to other agencies and any similar items needed to accomplish this activity.
7. Development of the water quality component of water control manuals and daily decisions on multi-level releases and pro-rata share of office and computer facilities and other related costs associated with water management.
8. Calibrate, operate (or make operational) the forecasting and decision support models within the Corps Water Management System (CWMS).

**WORK CATEGORY CODE: 60142 - Water Management (Control and Quality)  
Activities for Navigation - Operation of Water Control Data Systems.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Operation of Water Control Data Systems including Data Collection for navigation features.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61140.
2. Other data collection, and pro-rata share of office and computer facilities and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).
3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

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**WORK CATEGORY CODE: 60150 - Real Estate Management for Navigation.**

**WORK CATEGORY DESCRIPTION:** Real Estate Management including Compliance, and Utilization Inspections for navigation features.

Includes all costs, including contractual services, incident to granting to others the use of and performing inspections of property for purposes such as commercial concessions, industrial uses, public park and recreation, quasi-public and group camp use.

1. Fish and wildlife habitat management.
2. Selected agricultural and grazing uses.
3. Reconveyance clauses (restrictions) in deeds.
4. Granting use of, and performing inspections of, property granted and reserved to others for purposes such as road, street, waterline, power line, and communication rights-of-way.
5. Requests to drill for oil or gas on Government owned property where no oil or gas lease is required.
6. Other uses covered by easements, licenses, and permits.
7. Report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.
8. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/termination documents, responses to request for use of real or related personal property, Executive Order surveys and public land withdrawals (applies to the 11 western states).
9. Utilization inspections of real property under the control of or subject to a service agreement with the Corps or the Government.
10. Reconciliation of financial records with navigation land and mineral lease receipts, and real property accountability, including real property inventory updates and preparation of annual civil-owned property reports (GSA 1166).

**WORK CATEGORY CODE: 60160 - Environmental Compliance (ERGO) Management for Navigation.**

**WORK CATEGORY DESCRIPTION:** Environmental Compliance Management for navigation features.

Includes all Navigation operational costs to comply with applicable Federal environmental laws and regulations, including the National Environmental Policy Act (NEPA), Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations.

Costs associated with medical surveillance and other employee health and safety requirements are not included.

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Includes all costs associated with management and oversight of environmental compliance operational activities related to the NAV Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment manuals.
2. Environmental compliance activities for maintenance shops supporting NAV.
3. Baseline environmental inspections of outgrants and right-of-ways on lands allocated for operation.
4. Instruction for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

**WORK CATEGORY CODE: 60161 - Management of Mitigation Activities for Navigation.**

WORK CATEGORY DESCRIPTION: Management of Mitigation Activities for navigation features.

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources losses as a result of the construction of the project or by project operation activities. This Work Category does not include acquisition costs. Maintenance would be charged under 61161 Maintenance of Mitigation Features.

**WORK CATEGORY CODE: 60162 – Management of Threatened and Endangered Species for Navigation.**

WORK CATEGORY DESCRIPTION: Management of Threatened and Endangered Species for navigation features.

Includes all management costs for the construction, planning, management and operation to support threatened and endangered species work.

1. Manage impact of operation and maintenance and construction on Federally endangered or threatened species.
2. Coordination and consultation with the Department of Interior.

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3. Development of biological assessments, biological opinions, agency technical reviews (ATR), negotiations with the National Marine Fisheries Service.
4. Review of draft and final biological opinions.
5. Development of implementations plans.
6. Monitoring, research and development, and re-initiation of consultation.

**WORK CATEGORY CODE: 60163 – Pest and Invasive Species Management for Navigation.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Management for navigation features.

Includes all costs for management and operation to support integrated pest management activities for navigation activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the navigation mission. Examples may include monitoring of zebra mussels, inspection of invasive mussels on infrastructure and herbicide planning of aquatic and terrestrial vegetation.

**WORK CATEGORY CODE: 60164 – Cultural Resources Management and Curation for Navigation.**

WORK CATEGORY DESCRIPTION: Cultural Resources Management and Curation for navigation features.

1. Curation, storing, and maintaining a collection using appropriate methods and containers, and under appropriate environmental conditions and physically secure controls.
2. Collection inspection and preservation.
3. Access and facilities for collection study.
4. Agreements with other entities that serve as the repository.
5. Cultural resource activities including Section 106 surveys, studies and investigations.

**WORK CATEGORY CODE: 60191 - Facility Security for Navigation – Facility Physical/Cyber Security Assessments.**

WORK CATEGORY DESCRIPTION: Facility Security - Assessments, reviews, studies and analyses for navigation features.

1. Conduct and prepare security risk assessments, reviews, evaluations, studies and analyses for facility security related to criminal and terrorist activities.
2. Evaluate threats, consequences and security system effectiveness for NAV features.
3. Prepare or revise Emergency Action Plans and plans to address facility protection and security.

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4. Includes all costs associated with cyber security risk assessments, and cyber system accreditation/authorization activities, including costs associated with third party validation of control system cyber security controls.
5. Industrial Control System analysis.
6. Risk Management Framework authority to operate (non-Corpsnet items only).

**WORK CATEGORY CODE: 60192 - Facility Security for Navigation – Facility Security Guards, Monitoring Activities.**

WORK CATEGORY DESCRIPTION: Facility Security - Guards and Monitoring Activities for navigation features.

Includes all costs for guards and security system monitoring activities.

**WORK CATEGORY CODE: 60210 - Operation for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Operation of Dams, Reservoirs, Levees, Hurricane Barrier Gates, and Other Flood Risk Management Non-Dam Structures, Pumping Plants, Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), Permanent Operating Equipment, etc. for flood risk management features.

This Work Category Code (WCC) includes all costs for the operating FRM facilities including labor, hired labor and contract support, materials, supplies, equipment and transportation costs. For municipal or industrial water delivery activities, a separate sub-element should be established in CEFMS to record appropriate costs for each such facility for cost allocation purposes. Buildings which house operating machinery, spare parts, equipment, etc., for a specific purpose will be charged to the appropriate Business Line Work Categories. However, buildings which house operating machinery and serve multiple purposes are included in this activity, although the costs to operate the machinery are charged to the appropriate Business Line Work Categories. Specific activities – labor, supplies, materials, and contracts – that should be charged to this WCC include the following:

1. Administration, management, and budget development - collecting and maintaining operational records, required report development, OMBIL, P2.
2. Dam contingency and surveillance plans.
3. Utilities.
4. Automotive, truck and other equipment expenses. Vehicle accounts will be maintained by group classifications as provided for Revolving Fund vehicles.
5. Visually monitoring reservoir conditions.
6. Site specific orientation on unique project features, equipment or operations (e.g. overhead crane, mobile equipment, gate operation etc.).
7. Annual and periodic inspections, dams, bridges and hydraulic steel structures. Periodic assessments should be recorded under WCC 60232.

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8. Bridge operation.
9. Insect and pest control.
10. Removing and disposing of trash, debris, ice, snow, on or in the vicinity of the dam or dam structures, project roads, parking areas and walkways.
11. Cleanup of dam structures and facilities.
12. Cleanup of project roads, railroads, and bridges.
13. Minor cleaning or mowing of reservoir area for weeds, brush, trees, and aquatic growth vegetation control. (Major periodic or one-time removal of growth and debris from the reservoir should be recorded under WCC 61211.)
14. Routine testing and adjustment of gauges, meters, instruments, and relays in dam structures.
15. Project specific dam safety/failure instruction of project personnel, preparation of flood emergency plans.
16. Technical assistance to local interests concerning dam failure.
17. Minor bank erosion control.
18. Boundary surveillance and routine, recurring maintenance of boundary monuments at projects without natural resource activities.
19. Elimination of health and safety hazards.
20. FEM management and data entry.
21. Minor patching, signs, ditch cleaning, culvert cleaning and similar duties for roads and walkways serving FRM functions.
22. Routine replacement, purification and testing of insulating, lubricating and hydraulic oils, lubricants and lubricating equipment.
23. Minor preventive maintenance of electrical equipment, cleaning, testing, and adjustment of motor starters, relays, meters, and similar equipment.
24. Minor preventive maintenance and repair of pumps, motors, engines, trash racking equipment, gate hoists, gates, firefighting, and other equipment required for operation.
25. Minor preventive maintenance of buildings, roads, and grounds.

**WORK CATEGORY CODE: 60221 - Studies and Surveys for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Non-Navigation Project Condition Studies, including Dredging Studies, for flood risk management features.

Includes all costs to prepare reconnaissance reports or studies related to the maintenance and rehabilitation of Civil Works projects such as:

1. Foundation reports
2. Embankment criteria
3. O&M manuals
4. Sediment surveys
5. Surveillance of northern boundary waters
6. Hydraulic model analyses prior to the engineering and design phase.

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**WORK CATEGORY CODE: 60222 - Studies and Surveys for Flood Risk Management – Major Rehabilitation Evaluation Reports.**

WORK CATEGORY DESCRIPTION: Major Rehabilitation Evaluation Reports for flood risk management features.

Includes all costs to initiate new, or continue ongoing, major rehabilitation evaluation reports. Operation and Maintenance (O&M) funds are to be used only until Construction (C) funds are allocated to the project.

**WORK CATEGORY CODE: 60223 – Studies and Surveys for Flood Risk Management - Inspections of Completed Works (ICW) Local Protection Projects.**

WORK CATEGORY DESCRIPTION: Studies, Surveys and Inspections of Local Protection Projects for flood risk management features.

Includes all costs related to the inspection of Federally constructed, locally operated and maintained projects to ensure compliance with local cooperative agreements. This Work Category does not include costs for projects covered by PL 84-99. Includes all costs for:

1. Technical review and approval of sponsor-proposed alterations, improvements, excavation or construction within the limits of the project right-of-way.
2. Advice given to sponsors related to the effects of such activities on the function/operation of the project and information on acceptable construction methods.
3. O&M Manual updates for ICW activities.
4. Initial funding of reconnaissance or evaluation reports.

**WORK CATEGORY CODE: 60231 – Dam Safety for Flood Risk Management - Instrumentation, Data Collection and Analysis.**

WORK CATEGORY DESCRIPTION: Instrumentation for Engineering Analysis and Continuing Evaluation Data Gathering Inspections, and Data Analysis for Dam Safety related to flood risk management features.

Includes all costs for instrumentation for measuring horizontal and vertical movement, stresses and strains, pore pressure, phreatic surfaces, seismic effects, and seepage clarity and quality:

1. Operation of instruments in existing dam structures for safety evaluation.
2. Collecting, analyzing and reporting instrumentation data.

**WORK CATEGORY CODE: 60232 – Dam Safety for Flood Risk Management - Formal Periodic Assessment, Inspections and Reports.**

WORK CATEGORY DESCRIPTION: Formal Periodic Assessments, Inspections and Reports for Dam Safety related to flood risk management features.

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Includes all costs related to the scheduled periodic assessments, inspections and reporting of projects and bridges needed to meet inspection frequency requirements of ER 1110-2-1156 and ER 1110-2-111 as follows:

1. Dams, locks and dams, initial and second inspections if funded under O&M General, and high hazard structures.
2. Public Bridges.
3. Structures whose failure would be a major loss to the national infrastructure or cause severe economic distress.
4. Other projects where known conditions warrant inspections at a frequency more often than normal.

**WORK CATEGORY CODE: 60241 - Water Management (Control and Quality)**  
**Activities for Flood Risk Management - Analysis and Studies.**

WORK CATEGORY DESCRIPTION: 60241 - Water Management (Control and Quality)  
Activities - Analysis and Studies for flood risk management features.

Includes all costs for personnel and space to manage the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current water control/quality plan.

1. Prepare routine regulation instructions and runoff forecasts, coordinate with other agencies and entities.
2. Prepare water control manuals.
3. Disseminate water control information.
4. Coordination, travel and other associated costs required to make sound water control management decisions.
5. Reservoir and river analyses to improve the quality of water within and downstream from the reservoirs.
6. Water management studies to improve efficiency or mitigate constraints on approved plans of regulation, annual updating of notification lists, and funds transferred to other agencies and any similar items needed to accomplish this activity.
7. Development of the water quality component of water control manuals and daily decisions on multi-level releases and pro-rata share of office and computer facilities and other related costs associated with water management.
8. Calibrate, operate (or make operational) the forecasting and decision support models within the Corps Water Management System (CWMS)

**WORK CATEGORY CODE: 60242 - Water Management (Control and Quality)**  
**Activities for Flood Risk Management - Operation of Water Control Data Systems.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities -  
Operation of Water Control Data Systems including Data Collection for flood risk management

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features.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61240.
2. Other data collection, and pro-rata share of office and computer facilities and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).
3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

**WORK CATEGORY CODE: 60250 - Real Estate Management for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Real Estate Management including Compliance, and Utilization Inspections for flood risk management features.

Includes all costs, including contractual services, incident to granting to others the use of and performing inspections of property for purposes such as commercial concessions, industrial uses, public park and recreation, quasi-public and group camp use.

1. Fish and wildlife habitat management.
2. Selected agricultural and grazing uses.
3. Reconveyance clauses (restrictions) in deeds.
4. Granting use of, and performing inspections of, property granted and reserved to others for purposes such as road, street, waterline, power line, and communication rights-of-way.
5. Requests to drill for oil or gas on Government owned property where no oil or gas lease is required.
6. Other uses covered by easements, licenses, and permits.
7. Report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.
8. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/termination documents, responses to request for use of real or related personal property, Executive Order surveys and public land withdrawals (applies to the 11 western states).
9. Utilization inspections of real property under the control of or subject to a service agreement with the Corps or the Government.
10. Reconciliation of financial records with flood risk management land and mineral lease receipts, and real property accountability, including real property inventory updates and preparation of annual civil-owned property reports (GSA 1166).

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**WORK CATEGORY CODE: 60260 - Environmental Compliance (ERGO) Management for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Environmental Compliance (ERGO) Management for flood risk management features.

Includes all Flood Risk Management operational costs to comply with applicable Federal environmental laws and regulations, including the National Environmental Policy Act (NEPA), Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations. Costs associated with medical surveillance and other employee health and safety requirements are not included.

Includes all costs associated with management and oversight of environmental compliance operational activities related to the FRM Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment manuals.
2. Environmental compliance activities for maintenance shops supporting FRM.
3. Baseline environmental inspections of outgrants and right-of-ways on lands allocated for operation.
4. Instruction for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

**WORK CATEGORY CODE: 60261 - Management of Mitigation Activities for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Management of Mitigation Activities for flood risk management features.

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural

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resources losses as a result of the construction of the project or by project operation activities. This Work Category does not include acquisition costs. Maintenance would be charged under 61261 Maintenance of Mitigation Features.

**WORK CATEGORY CODE: 60262 – Management of Threatened and Endangered Species for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Management of Threatened and Endangered Species for flood risk management features.

Includes all management costs for the construction, planning, management and operation to support threatened and endangered species work for flood risk management features.

1. Manage impact of operation and maintenance and construction on Federally endangered or threatened species.
2. Coordination and consultation with the Department of Interior.
3. Development of biological assessments, biological opinions, agency technical reviews (ATR), negotiations with the National Marine Fisheries Service.
4. Review of draft and final biological opinions.
5. Development of implementations plans.
6. Monitoring, research and development, and re-initiation of consultation.

**WORK CATEGORY CODE: 60263 – Pest and Invasive Species Management for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Management for flood risk management features.

Includes all costs for management and operation to support integrated pest management activities for flood risk management activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the FRM mission. Examples may include monitoring of zebra mussels, inspection of invasive mussels on infrastructure, herbicide planning of aquatic and terrestrial vegetation, and operation of electric barriers.

**WORK CATEGORY CODE: 60264 – Cultural Resources Management and Curation for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Cultural Resources Management and Curation for flood risk management features.

1. Curation, storing and maintaining a collection using appropriate methods and containers,

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and under appropriate environmental conditions and physically secure controls.

2. Collection inspections and preservation.
3. Access and facilities for collection study.
4. Agreements with other entities that serve as the repository.
5. Cultural resource activities including Section 106 surveys, studies and investigations.

**WORK CATEGORY CODE: 60291 - Facility Security for Flood Risk Management –  
Facility Physical/Cyber Security Assessments.**

WORK CATEGORY DESCRIPTION: Facility Security - Assessments, reviews, studies and analyses for Flood Risk Management features.

1. Conduct and prepare security risk assessments, reviews, evaluations, studies and analyses for facility security related to criminal and terrorist activities.
2. Evaluate threats, consequences and security system effectiveness for FRM features.
3. Prepare or revise Emergency Action Plans and plans to address facility protection and security
4. All costs associated with cyber security risk assessments, and cyber system accreditation/authorization activities, including costs associated with third party validation of control system cyber security controls.
5. Industrial Control System analysis.
6. Risk Management Framework authority to operate (non-Corpsnet items only).

**WORK CATEGORY CODE: 60292 - Facility Security for Flood Risk Management –  
Facility Security Guards, Monitoring Activities.**

WORK CATEGORY DESCRIPTION: Facility Security - Guards and Monitoring Activities for Flood Risk Management features.

Includes all costs for guards and security system monitoring activities.

**WORK CATEGORY CODE: 60311-60315 - Operation for Hydropower.**

WORK CATEGORY DESCRIPTION: Operation of Power Plants.

Includes specific costs for the general supervision and engineering associated with the operation; routine materials, supplies, equipment and transportation costs; associated hired labor and contract support; and other costs of power plants including hydraulic generating stations, and their associated power intake structures, turbines, generators, auxiliary apparatuses, switchgear, and other electrical or electronic equipment to the point where electricity leaves for transmission by the marketing agency or project. Includes miscellaneous costs such as custodial, administrative services and power plant trainees including labor. Costs not specific to hydropower will be included in Work Category Code 60610.

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Costs for this function will be sub-divided as follows:

**60311 - Hydropower Operation - Supervision and Engineering, FERC #535.** Costs for labor, materials and other expenses incurred in the general supervision of the operation of hydraulic generating stations. Direct supervision of specific activities will be charged to the appropriate accounts;

**60312 - Hydropower Operation - Hydraulic Expenses, FERC #537.** Costs for labor, materials and other expenses incurred in operating power intake works whether or not the powerhouse is an integral part of the intake dam;

**60313 - Hydropower Operation - Electric Expenses, FERC #538.** Costs for labor, materials and other expenses incurred in operating turbines, generators, auxiliary apparatuses, switchgear and other electric equipment to the point where electricity leaves for transmission by the marketing agency or other project. Keeping plant logs and records, and preparing reports of operation are included herein;

**60314 - Hydropower Operation - Miscellaneous Hydraulic Power Generation Expenses, FERC #539.** Costs for labor, materials and other expenses not specifically provided for in other power plant operation accounts. Includes costs for custodial and other administrative services.

**60315 – Hydropower Operation – NERC Reliability Compliance Activities, FERC #561.2.** Includes all costs associated with managing the NERC Reliability Compliance program. Includes costs for labor, contracts, supplies, materials and equipment.

**WORK CATEGORY CODE: 60321-60324 - Studies and Surveys for Hydropower.**

**WORK CATEGORY DESCRIPTION:** Studies and Surveys for hydropower features.

Includes all costs to prepare reconnaissance reports or studies related to the maintenance and rehabilitation of hydropower projects such as foundation reports, embankment criteria, O&M manuals, sediment surveys and hydraulic model analyses prior to the engineering and design phase. Includes studies and surveys using non-Appropriated funds.

Costs for this function will be sub-divided as follows:

**60322 - Studies and Surveys - Hydraulic Expenses, FERC #537.** Costs for labor, materials and other expenses incurred in studying or surveying the power intake works whether or not the powerhouse is an integral part of the intake dam;

**60323 - Studies and Surveys - Electric Expenses, FERC #538.** Costs for labor,

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materials and other expenses incurred in studying or surveying the turbines, generators, auxiliary apparatuses, switchgear and other electric equipment to the point where electricity leaves for transmission by the marketing agency or other project;

**60324 - Studies and Surveys - Miscellaneous Hydraulic Power Generation Expenses, FERC #539.** Costs for labor, materials and other expenses not specifically provided for in other power plant study or survey accounts.

**WORK CATEGORY CODE: 60325 - Studies and Surveys for Hydropower - Major Rehabilitation Evaluation Reports.**

WORK CATEGORY DESCRIPTION: Major Rehabilitation Evaluation Reports for hydropower features.

Includes all costs for specific hydropower purposes to initiate new, or continue ongoing, major rehabilitation evaluation reports. Operation and Maintenance (O&M) funds are to be used only until Construction (C) funds are allocated to the project. Major Rehabilitation Reports may be funded using non-Appropriated funds.

**WORK CATEGORY CODE: 60331 – Dam Safety for Hydropower - Instrumentation, Data Collection and Analysis, FERC #537.**

WORK CATEGORY DESCRIPTION: Instrumentation for Engineering Analysis and Continuing Evaluation Data Gathering Inspections, and Data Analysis for Dam Safety related to hydropower features.

Includes all costs for instrumentation for measuring horizontal and vertical movement, stresses and strains, pore pressure, phreatic surfaces, seismic effects, and seepage clarity and quality:

1. Operation of instruments in existing dam structures for safety evaluation.
2. Collecting, analyzing and reporting instrumentation data.

**WORK CATEGORY CODE: 60332 – Dam Safety for Hydropower - Formal Periodic Assessments, Inspections and Reports, FERC #537.**

WORK CATEGORY DESCRIPTION: Formal Periodic Assessments, Inspections and Reports for Dam Safety related to hydropower features.

Includes all specific costs related to the scheduled periodic assessments, inspections and reporting of projects and bridges needed to meet inspection frequency requirements of ER 1110-2-1156 and ER 1110-2-111 as follows:

1. Dams, locks and dams, initial and second inspections if funded under O&M-----, and high hazard structures.
2. Public Bridges.

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3. Structures whose failure would be a major loss to the national infrastructure or cause severe economic distress.
4. Other projects where known conditions warrant inspections at a frequency more often than normal.

**WORK CATEGORY CODE: 60341 - Water Management (Control and Quality)**  
**Activities for Hydropower - Analysis and Studies, FERC #537.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Analysis, Studies and Regulation Instructions for hydropower features.

Includes all costs for personnel and space to manage the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current water control/quality plan.

1. Prepare routine regulation instructions and runoff forecasts, coordinate with other agencies and entities.
2. Prepare water control manuals.
3. Disseminate water control information.
4. Coordination activities, travel and other associated costs required to make sound water control management decisions.
5. Reservoir and river analyses to improve the quality of water within and downstream from the reservoirs.
6. Water management studies to improve efficiency or mitigate constraints on approved plans of regulation, annual updating of notification lists, and funds transferred to other agencies and any similar items needed to accomplish this activity.
7. Development of the water quality component of water control manuals and daily decisions on multi-level releases and pro-rata share of office and computer facilities and other related costs associated with water management.
8. Calibrate, operate (or make operational) the forecasting and decision support models within the Corps Water Management System (CWMS).

**WORK CATEGORY CODE: 60342 - Water Management (Control and Quality)**  
**Activities for Hydropower - Operation of Water Control Data Systems, FERC #537.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Operation of Water Control Data Systems including Data Collection for hydropower features.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61240.
2. Also includes other data collection, and pro-rata share of office and computer facilities

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and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).

3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

**WORK CATEGORY CODE: 60350 - Real Estate Management for Hydropower, FERC #537.**

**WORK CATEGORY DESCRIPTION:** Real Estate Management including Compliance, and Utilization Inspections for hydropower features.

Includes all costs, including contractual services, incident to granting to others the use of and performing inspections of property outgranted to others. Work includes:

1. Reconveyance clauses (restrictions) in deeds.
2. Granting use of, and performing inspections of, property granted and reserved to others for purposes such as road, street, waterline, power line, and communication rights-of-way supporting hydropower function.
3. Other uses covered by easements, licenses, and permits in support of hydropower.
4. Report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.
5. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/termination documents, responses to request for use of real or related personal property, Executive Order surveys and public land withdrawals (applies to the 11 western states).
6. Utilization inspections of real property under the control of or subject to a service agreement with the Corps or the Government.
7. Reconciliation of financial records with hydropower related management of land and mineral lease receipts, and real property accountability, including real property inventory updates and preparation of annual civil-owned property reports (GSA 1166).

**WORK CATEGORY CODE: 60360 - Environmental Compliance (ERGO) Management for Hydropower, FERC #539.**

**WORK CATEGORY DESCRIPTION:** Environmental Compliance Management for hydropower features.

Includes all Hydropower operational costs to comply with applicable Federal environmental laws and regulations, including the National Environmental Policy Act (NEPA) Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations. Costs associated with medical

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surveillance and other employee health and safety requirements are not included. Includes all costs associated with management and oversight of environmental compliance operational activities related to the HYD Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment manuals.
2. Environmental compliance activities for maintenance shops supporting HYD.
3. Baseline environmental inspections of outgrants and right-of-ways on lands allocated for operation.
4. Orientation for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

**WORK CATEGORY CODE: 60361 - Management of Mitigation Activities for Hydropower, FERC #537.**

WORK CATEGORY DESCRIPTION: Management of Mitigation Activities for hydropower features.

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources losses as a result of the construction of the project or by project operation activities. This Work Category does not include acquisition costs. Maintenance would be charged under 61361 Maintenance of Mitigation Features.

**WORK CATEGORY CODE: 60362 – Management of Threatened and Endangered Species for Hydropower, FERC #537.**

WORK CATEGORY DESCRIPTION: Management of Threatened and Endangered Species for hydropower features.

Includes all management costs for the construction, planning, management and operation to support threatened and endangered species work.

1. Manage impact of operation and maintenance and construction on Federally endangered or threatened species.

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2. Coordination and consultation with the Department of Interior.
3. Development of biological assessments, biological opinions, agency technical reviews (ATR), negotiations with the National Marine Fisheries Service.
4. Review of draft and final biological opinions.
5. Development of implementation plans.
6. Monitoring, research and development, and re-initiation of consultation.

**WORK CATEGORY CODE: 60363 – Pest and Invasive Species Management for Hydropower, FERC #537.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Management for hydropower features.

Includes all costs for management and operation to support integrated pest management activities for hydropower activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the hydropower mission. Examples may include monitoring of zebra mussels, inspection of invasive mussels on infrastructure, herbicide planning of aquatic and terrestrial vegetation, and operation of electric barriers

**WORK CATEGORY CODE: 60364 – Cultural Resources Management and Curation for Hydropower, FERC #537.**

WORK CATEGORY DESCRIPTION: Cultural Resources Management and Curation for hydropower features.

1. Curation, storing and maintaining a collection using appropriate methods and containers, and under appropriate environmental conditions and physically secure controls.
2. Collection inspections and preservation.
3. Access and facilities for collection study.
4. Agreements with other entities that serve as the repository.
5. Cultural resource activities including Section 106 surveys, studies and investigations.

**WORK CATEGORY CODE: 60391 - Facility Security for Hydropower – Facility Physical/Cyber Security Assessments, FERC #539.**

WORK CATEGORY DESCRIPTION: Facility Security - Assessments, reviews, studies and analyses for Hydropower features.

1. Conduct and prepare security risk assessments, reviews, evaluations, studies and analyses for facility security related to criminal and terrorist activities.
2. Evaluate threats, consequences and security system effectiveness for HYD features.

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3. Prepare or revise Emergency Action Plans and plans to address facility protection and security.
4. All costs associated with cyber security risk assessments, and cyber system accreditation/authorization activities, including costs associated with third party validation of control system cyber security controls.
5. Industrial Control System analysis.
6. Risk Management Framework authority to operate (non-Corpsnet items only).

**WORK CATEGORY CODE: 60392 - Facility Security for Hydropower – Facility Security Guards, Monitoring Activities, FERC #539.**

WORK CATEGORY DESCRIPTION: Facility Security - Guards and Monitoring Activities for Hydropower features.

Includes all costs for guards and security system monitoring activities.

**WORK CATEGORY CODE: 60411 – Operation for Environmental Stewardship - Management of Natural Resources.**

WORK CATEGORY DESCRIPTION: Management of Natural Resources and Operational Management Plans.

Includes all costs for the management and operation of natural resources to foster healthy and sustainable lands and waters. Includes costs for salaries, contracts, supplies, materials, and equipment necessary for the management and operation of natural resources including the conservation and protection of soil, water, wetland, forest, vegetation, waterfowl, fish and wildlife, grasslands and range, and other resources essential to the total management of specific projects.

Costs for the following are included:

1. Coordination with other Federal, state and local agencies on fish and wildlife activities.
2. Activities related to spawning beds, fish shelters, fish and waterfowl impoundments.
3. Activities related to forest/woodland management, timber salvage, timber trespass surveillance, timber cruising, stand improvement, development and maintenance of fire lines, forest fire suppression, prescribed burning and haul road maintenance.
4. Activities related to manipulating vegetation, conducting vegetation plantings, fertilization, maintain riparian vegetation, and establishing wildlife food plots.
5. Activities related to conducting wildlife habitat preservation management or improvement activities, range management, and erosion control.
6. Costs for conducting citation authority programs outside developed recreation areas that involve the protection of natural resources as well as costs for conducting interpretive programs for the stewardship of natural resources
7. All costs associated with operation of the Everglades Restoration Program.

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**WORK CATEGORY CODE: 60412 – Operation for Environmental Stewardship -  
Management of Cultural Resources.**

WORK CATEGORY DESCRIPTION: Management of Cultural Resources for environmental  
stewardship features.

Includes all costs for the management of, and for, archeological and cultural resources including

1. Identification, surveillance, studies, literature searches, reconnaissance surveys, inventory, subsurface testing, development and update of management plans and agreements for historical, archaeological and cultural resources.
2. Archeological and cultural resources outreach and educational programs.
3. Coordination with Tribal interests.
4. Operation activities associated with identified historical, archaeological and cultural resources.
5. Enforcement of Title 36 Code of Federal Regulations, the National Historic Preservation Act of 1966, the Archeological Resources Protection Act of 1979 and other applicable laws and regulations.

**WORK CATEGORY CODE: 60416 – Operation for Environmental Stewardship -  
Comprehensive Master Plans.**

WORK CATEGORY DESCRIPTION: Preparation and Updating of Comprehensive Master  
Plans and Master Plan Supplements.

Includes all costs to initiate new, or continue ongoing, comprehensive Master Plans, including all costs for salaries, supplies and materials, and equipment related to the preparation and updating of Master Plans and Master Plan Supplements to include the primary components of (1) regional and ecosystem needs, (2) project resource capabilities and suitability and (3) expressed public interest and desires. Charges may include field units that perform data collection and analysis.

**WORK CATEGORY CODE: 60417 – Operation for Environmental Stewardship -  
Shoreline Management.**

WORK CATEGORY DESCRIPTION: Shoreline Management.

Includes all costs associated with managing permits issued under authority of Title 36 CFR, the Shoreline Management Program (SMP) as well as any associated real estate outgrants directly related to the shoreline management program.

1. Includes all costs for salaries, contracts, supplies, materials and equipment to implement

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the patrol, inspection, fee collection, permit renewals, and new permit issuance, required to manage the SMP for the placement of floating structures and vegetative management by private parties on public lands.

2. Coordination with permittees, responding to congressional and public inquiries related to the SMP program.
3. All costs for salaries for Real Estate and Operations required in the coordination and preparing of Reports of Availability for outgrants associated with a SMP permit (walkways, electric lines, water lines etc.). Includes collecting fees to recover administrative and inspection fees associated with those outgrants and resolving any trespass or encroachments directly resulting from the associated SMP outgrant.
4. Costs for labor, materials, supplies, contracts, and equipment necessary for the update or revision of a Shoreline Management Plan. Includes all costs for performing carrying capacity studies, environmental analysis, GIS mapping etc., public outreach, agency coordination, and associated activities for projects with a shoreline management program.

**WORK CATEGORY CODE: 60418 – Operation for Environmental Stewardship - Management of Special Status Species.**

WORK CATEGORY DESCRIPTION: Management of Special Status Species for Environmental Stewardship.

Includes all environmental stewardship program function costs for management and operation to support special status species. Includes costs for salaries, contracts, supplies, materials, and equipment to manage the conservation and recovery of special status species such as Federally or state listed endangered, threatened, rare or sensitive species and coordination with appropriate State and Federal fish and wildlife agencies. These include

1. Activities in areas under license, lease or outgrant.
2. Activities to determine and document the state or condition of a resource or population (e.g. surveys, inventories).
3. Activities to increase understanding and appreciation of special status species such as interpretive programs, signs, surveillance activities, GPS/GIS mapping, marking population boundaries and exclusion zones.
4. Costs to prepare or update Management Plans for Special Status Species, such as data collection and analysis, plan development, review and coordination.

**WORK CATEGORY CODE: 60419 – Operation for Environmental Stewardship - Pest and Invasive Species Management.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Management.

Includes all costs for management and operation to support integrated pest management activities for the health and sustainability of natural resources. Work activities performed to treat or control invasive species impacts to/from other business lines must be charged under the Pest and

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Invasive Species WCC for that business lines (example – herbicide of boat launches charged to recreation). Includes:

1. Costs of salaries, licenses, contracts, supplies, materials, and equipment to control invasive exotic species and noxious weeds and animals.
2. Activities undertaken to determine the state or condition of a resource, or to determine population densities to assess the likelihood of resources damage by pests.
3. Activities to increase understanding and appreciation of pest management activities to reduce spread or outbreaks.
4. Operation of electric fish barriers under the Aquatic Ecosystem Restoration Program.

**WORK CATEGORY CODE: 60421 – Studies, Surveys and Inventories for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Natural Resources Studies, Surveys and Inventories for environmental stewardship features, including Fisheries and Wildlife Development Activities.

Includes all costs of general fish and wildlife and natural resources studies and inventories. Specific studies, surveys and inventories for invasive species, endangered species, master plans, cultural resources or environmental compliance should be charged under their associated WCCs. Includes:

1. Inventorying the natural resources base through Level One and Level Two Natural Resources Inventories.
2. Conduct surveys of fish and wildlife.
3. Perform population dynamics and other studies.
4. Sediment surveys.

**WORK CATEGORY CODE: 60422 – Inspections of Completed Environmental Projects (ICEP) for Projects under the Aquatic Ecosystem Restoration Program.**

WORK CATEGORY DESCRIPTION: Studies, Surveys and Inspections of Ecosystem Restoration Features at Completed Projects Operated by Others.

Includes all costs related to the inspection of Federally constructed, locally operated and maintained projects to ensure compliance with Project Partnership Agreements. Included are:

1. Inspections of ecosystem restoration features, observations regarding compliance with any access or easement restrictions, and minimal documentation of the condition of the ecosystem.
2. Costs for technical review and approval of sponsor-proposed alterations, improvements, excavation or construction within the project boundaries.
3. Costs for advice given to sponsors related to the effects of such activities on the function/operation of the project and information on acceptable construction methods.
4. All costs to update O&M Manuals for ICEP activities.
5. Initial funding of reconnaissance or evaluation reports; PED for deficiency correction and

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reconstruction as applicable until Construction (C) funds are allocated.

**WORK CATEGORY CODE: 60441 - Water Management (Control and Quality)  
Activities for Environmental Stewardship - Analysis and Studies.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Analysis, Studies and Regulation Instructions for environmental stewardship features.

Includes all costs for personnel and space to manage the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current water control/quality plan.

1. Prepare routine regulation instructions and runoff forecasts, coordinate with other agencies and entities.
2. Prepare water control manuals.
3. Disseminate water control information.
4. Coordination activities, travel and other associated costs required to make sound water control management decisions.
5. Reservoir and river analyses to improve the quality of water within and downstream from the reservoirs.
6. Water management studies to improve efficiency or mitigate constraints on approved plans of regulation, annual updating of notification lists, and funds transferred to other agencies and any similar items needed to accomplish this activity.
7. Development of the water quality component of water control manuals and daily decisions on multi-level releases and pro-rata share of office and computer facilities and other related costs associated with water management.
8. Calibrate, operate (or make operational) the forecasting and decision support models within the Corps Water Management System (CWMS).

**WORK CATEGORY CODE: 60442 - Water Management (Control and Quality)  
Activities for Environmental Stewardship – Operation of Water Control Data Systems.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Operation of Water Control Data Systems including Data Collection for environmental stewardship features.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61440.
2. Other data collection, and pro-rata share of office and computer facilities and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).

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3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

**WORK CATEGORY CODE: 60450 - Real Estate Management for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Real Estate Management including Compliance, and Utilization Inspections for environmental stewardship features.

Includes Real Estate Management including the general granting of land use to others and performing compliance and utilization inspections of property granted as well as rights-of-way, easements and request for energy development on Corps owned property. The general granting of land use to others and performing inspections of property granted and reserved to others for purposes such as road, street, waterline, power line, and communication rights-of-way, as well as requests to drill for oil or gas on Government owned property where no oil or gas lease is required, and other uses covered by easements, licenses, and permits not supporting the environmental stewardship mission shall, in most instances, be charged to the grantee as administrative costs, including NEPA documentation costs. In cases where it is in the public interest for the Corps to absorb the costs, those costs should be charged to the primary mission of the project such as flood risk management or navigation. Work includes

1. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/ termination documents, responses to requests for use of real or related personal property, as they relate to natural resources utilization or lands managed for natural resources.
2. Preparation of Report of Availability (ROAs); Environmental Baseline Surveys (EBSs); Finding of Suitability to Lease (FOSLs) or Finding of Suitability to Transfer (FOSTs) for real estate transactions when such action primarily concerns the stewardship of natural resources and fish and wildlife activities.
3. All costs, including contractual services, incident to granting to others the use of and performing inspections of property for environmental stewardship program purposes such as fish and wildlife habitat management, disposal of timber (NOTE: Do not include commodity (e.g., timber, crops, sand) sales costs that are expected to be funded by the proceeds from the sale of project commodities) and selected agricultural and grazing uses and reconveyance clauses (restrictions) in deeds.
4. Report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.

**WORK CATEGORY CODE: 60460 - Environmental Compliance Management for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Environmental Compliance Management for environmental stewardship features.

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Includes all Environment Stewardship operational costs to comply with applicable Federal laws and regulations as they relate to the management of natural resources, including the National Environmental Policy Act (NEPA) Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations. Costs associated with medical surveillance and other employee health and safety requirements are not included. Includes all costs associated with management and oversight of environmental compliance operational activities related to the ENS Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment manuals.
2. Environmental compliance activities for maintenance shops supporting ENS.
3. Baseline environmental inspections of outgrants and rights-of-way on lands allocated for operation.
4. Orientation for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

**WORK CATEGORY CODE: 60461 – Operation for Environmental Stewardship - Management of Natural Resources Mitigation Features.**

WORK CATEGORY DESCRIPTION: Management of Natural Resources Mitigation Features.

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources and ecological losses caused by an Environmental Stewardship project or activity. This work category code is only for mitigation not related to impacts of other business lines which each have their own mitigation work category codes.

**WORK CATEGORY CODE: 60491 - Facility Security for Environmental Stewardship – Facility Physical/Cyber Security Assessments.**

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WORK CATEGORY DESCRIPTION: Facility Security - Assessments, reviews, studies and analyses for Environmental Stewardship features.

1. Conduct and prepare security risk assessments, reviews, evaluations, studies and analyses for facility security related to criminal and terrorist activities.
2. Evaluate threats, consequences and security system effectiveness for ENS features.
3. Prepare or revise Emergency Action Plans and plans to address facility protection and security.
4. All costs associated with cyber security risk assessments, and cyber system accreditation/authorization activities, including costs associated with third party validation of control system cyber security controls.
5. Industrial Control System analysis.
6. Risk Management Framework authority to operate (non-Corpsnet items only).

**WORK CATEGORY CODE: 60492 - Facility Security for Environmental Stewardship – Facility Security Guards, Monitoring Activities.**

WORK CATEGORY DESCRIPTION: Facility Security - Guards and Monitoring Activities for Environmental Stewardship features.

Includes all costs for guards and security system monitoring activities.

**WORK CATEGORY CODE: 60511 - Operation for Recreation.**

WORK CATEGORY DESCRIPTION: Operation and Management of Recreation Areas and Facilities, Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), Permanent Operating Equipment, etc. for recreation features.

Includes all costs for the management and operation; necessary materials, supplies, equipment, transportation and rental costs associated with operation; associated hired labor and contract support; routine materials and supplies; and other costs:

1. Operate recreation areas and facilities including all costs for salaries, per diem, travel, signs collecting and administering user fees, brochures, maps, participation in public and special events and exhibitions, costs of trash removal, cleanup, mowing, and gate or park attendants.
2. Operate buildings, grounds, landscaping, removal of hazardous trees, control of vegetation, roads, bridges, parking areas, grills, tables, trails, playgrounds and permanent operating equipment utilized for recreation purposes.
3. Perform reservoir inspections and patrols for recreation purposes.
4. Operate project-owned permanent facilities for recreation purposes.
5. Operation and management using Special Recreation Users Fee (SRUF) Funds.
6. Costs of all tools and permanent operating equipment including direct costs of automotive and other equipment assigned to the recreation function. Vehicle accounts

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will be maintained by group classifications as provided for Revolving Fund vehicles.

**WORK CATEGORY CODE: 60513 - Operation for Recreation - Law Enforcement Contracts.**

WORK CATEGORY DESCRIPTION: Operation for recreation features - Costs and Supervision of Law Enforcement Contracts.

Includes all costs for cooperative contracts for law enforcement with states and their political subdivisions under PL 94-587, and all costs for technical and administrative charges, including project and district costs for administration of law enforcement contracts and activities.

**WORK CATEGORY CODE: 60514 – Operation for Recreation - Operation/Management of Visitor Centers.**

WORK CATEGORY DESCRIPTION: Operation and Management of Visitors Centers.

Includes all costs for the management and operation; necessary materials, supplies, equipment, transportation and rental costs associated with operation; associated hired labor and contract support; routine materials and supplies; and other costs of visitor centers. Includes all costs associated with visitor center operation, such as all personnel costs, custodial duties, supporting costs of cooperating associations, snow, ice and debris removal, lawn and shrubbery maintenance, landscaping, utilities, exhibits, grounds, heating and cooling systems, audio visual programs, building material, and equipment costs.

**WORK CATEGORY CODE: 60516 – Operation for Recreation - Operation for the Recreation Infrastructure Investment Strategy (RIIS).**

WORK CATEGORY DESCRIPTION: Operation and Management of Recreation Areas and Facilities, Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), Permanent Operating Equipment, etc. for recreation features for the Recreation Infrastructure Investment Strategy (RIIS).

Work should be included in this Work Category Code (WCC) if the primary reason of the work is for the RIIS. Includes:

1. Non-routine costs for the management and operation.
2. Necessary materials, supplies, equipment, transportation and rental costs associated with operation.
3. Associated hired labor and contract support.
4. Routine materials and supplies.

**WORK CATEGORY CODE: 60521 - Studies and Surveys for Recreation.**

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WORK CATEGORY DESCRIPTION: Studies and Surveys for recreation features.

Includes all costs to prepare visitor surveys, reports or studies related to the operation, maintenance and rehabilitation of recreation facilities.

**WORK CATEGORY CODE: 60542 - Water Management (Control and Quality)  
Activities for Recreation – Operations of Water Control Data Systems.**

WORK CATEGORY DESCRIPTION: Water Management (Control and Quality) Activities - Operation of Water Control Data Systems including Data Collection for recreation features.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61540.
2. Other data collection, and pro-rata share of office and computer facilities and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).
3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

**WORK CATEGORY CODE: 60550 - Real Estate Management for Recreation.**

WORK CATEGORY DESCRIPTION: Real Estate Management including Compliance, and Utilization Inspections for recreation features.

Includes all costs that are real estate activities directly related to the recreation program. The following activities **not supporting the recreation program mission shall not be charged to recreation** and in most instances, should be charged to the grantee as administrative costs, including NEPA documentation costs: the general granting of land use to others and performing inspections of property granted and reserved to others for purposes such as road, street, waterline, powerline, and communication rights-of-way, as well as requests to drill for oil or gas on Government owned property where no oil or gas lease is required, and other uses covered by easements, licenses, and permits. In cases where it is in the public interest for the Corps to absorb real estate activity costs NOT supporting the recreation program mission, those costs should be charged to the primary mission of the project such as flood risk management or navigation.

Charges to WCC 60550 includes all costs, including contractual services, incident to granting to others the use of and performing inspections of property for purposes such as commercial concessions, public park and recreation, quasi-public and group camp use, and reconveyance clauses (restrictions) in deeds.

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1. Includes report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.
2. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/termination documents, responses to request for use of real or related personal property, Executive Order surveys and public land withdrawals (applies to the 11 western states).
3. Costs of utilization inspections of real property under the control of or subject to a service agreement with the Corps or the Government and real property accountability, including real property inventory updates and preparation of annual civil-owned property reports (GSA 1166).

**WORK CATEGORY CODE: 60560 - Environmental Compliance Management for Recreation.**

WORK CATEGORY DESCRIPTION: Environmental Compliance Management for Recreation features.

Includes all Recreational operational costs to comply with applicable Federal laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for recreation facilities and visitor centers.

Costs associated with medical surveillance and other employee health and safety requirements are not included. Includes all costs associated with management and oversight of environmental compliance operational activities related to the REC Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment manuals.
2. Environmental compliance activities for maintenance shops supporting REC.
3. Baseline environmental inspections of outgrants and right-of-ways on lands allocated for operation.
4. Orientation for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

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**WORK CATEGORY CODE: 60561 - Management of Mitigation Activities for Recreation.**

WORK CATEGORY DESCRIPTION: Management of Mitigation Activities for recreation features.

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources losses as a result of the construction of the project or by project operation activities. This Work Category does not include acquisition costs.

**WORK CATEGORY CODE: 60562 – Management of Threatened and Endangered Species for Recreation.**

WORK CATEGORY DESCRIPTION: Management of Threatened and Endangered Species for recreation features.

Includes all management costs for the construction, planning, management and operation to support threatened and endangered species work.

1. Manage impact of operation and maintenance and construction on Federally endangered or threatened species.
2. Coordination and consultation with the Department of Interior.
3. Development of biological assessments, biological opinions, agency technical reviews (ATR), negotiations with the National Marine Fisheries Service.
4. Review of draft and final biological opinions.
5. Development of implementation plans.
6. Monitoring, research and development, and re-initiation of consultation.

**WORK CATEGORY CODE: 60563 – Pest and Invasive Species Management for Recreation.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Management for recreation features.

Includes all costs for management and operation to support integrated pest management activities for Recreation activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Recreation mission. Examples may include monitoring of zebra mussels, inspection of invasive mussels on infrastructure, herbicide planning of aquatic and terrestrial vegetation, and operation of electric barriers.

**WORK CATEGORY CODE: 60564 – Cultural Resources Management and Curation for**

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**Recreation.**

WORK CATEGORY DESCRIPTION: Cultural Resources Management and Curation for recreation features.

1. Curation, storing and maintaining a collection using appropriate methods and containers, and under appropriate environmental conditions and physically secure controls.
2. Collection inspections and preservation.
3. Access and facilities for collection study.
4. Agreements with other entities that serve as the repository.

**WORK CATEGORY CODE: 60610 - Joint Activities for Operation, FERC #535, #537, #538 and #539.**

WORK CATEGORY DESCRIPTION: Joint costs for Operation activities *NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply*. These activities may include the operation of Dams, Reservoirs, Levees, Other Non-Dam Multi-purpose Structures, Pumping Plants, Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), gates, conduits, Permanent Operating Equipment, etc.

Includes all joint costs for the operating facilities including labor, hired labor and contract support, materials, supplies, equipment and transportation costs. For municipal or industrial water delivery activities, a separate sub-element should be established in CEFMS to record appropriate costs for each such facility for cost allocation purposes. Buildings which house operating machinery, spare parts, equipment, etc., for a specific purpose will be charged to the appropriate Business Line Work Categories. However, buildings which house operating machinery that serve multiple purposes are included in this activity, although the costs to operate the machinery are charged to the appropriate Business Line Work Categories. Specific activities – labor, supplies, materials, and contracts – that should be charged to this WCC include the following:

1. Administration, management, and budget development - collecting and maintaining operational records, required report development, OMBIL, P2.
2. Dam contingency and surveillance plans.
3. Utilities.
4. Automotive, truck and other equipment expenses. Vehicle accounts will be maintained by group classifications as provided for Revolving Fund vehicles.
5. Visually monitoring reservoir conditions.
6. Site specific orientation on unique project features, equipment or operations (e.g. overhead crane, mobile equipment, gate operation etc.).
7. Annual inspections, dams, bridges and hydraulic steel structures.
8. Bridge operation.
9. Insect and pest control.

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10. Removing and disposing of trash, debris, ice, and snow, on or in the vicinity of the dam or dam structures, project roads, parking areas and walkways.
11. Cleanup of dam structures and facilities.
12. Cleanup of project roads, railroads, and bridges.
13. Minor cleaning or mowing of project area for weeds, brush, trees, and aquatic growth vegetation control. (Major periodic or one-time removal of growth and debris from the reservoir should be recorded under the primary Business Line).
14. Routine testing and adjustment of gauges, meters, instruments, and relays in dam structures.
15. Project specific dam safety/failure training of project personnel, preparation of emergency, contingency, and surveillance plans.
16. Technical assistance to local interests concerning dam failure.
17. Minor bank erosion control.
18. Boundary surveillance and routine, recurring maintenance of boundary monuments at projects without natural resource activities.
19. Elimination of health and safety hazards.
20. FEM management and data entry.
21. Minor patching, signs, ditch cleaning, culvert cleaning and similar duties for roads and walkways serving Joint functions.
22. Routine replacement, purification and testing of insulating, lubricating and hydraulic oils, lubricants and lubricating equipment.
23. Minor preventive maintenance of electrical equipment, cleaning, testing, and adjustment of motor starters, relays, meters, and similar equipment.
24. Minor preventive maintenance and repair of pumps, motors, engines, trash racking equipment, gate hoists, gates, fire fighting, and other equipment required for operation.
25. Minor preventive maintenance of buildings, roads, and grounds.

**WORK CATEGORY CODE: 60621 - Joint Activities for Studies and Surveys, FERC #537, #538 and #539.**

WORK CATEGORY DESCRIPTION: Joint costs for Studies and Surveys including project condition surveys, dredging studies, etc. NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs to perform studies or surveys for multi-purpose projects including sedimentation conditions and dredging studies.

**WORK CATEGORY CODE: 60622 - Joint Activities for Studies and Surveys - Major Rehabilitation Evaluation Reports, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs for Studies and Surveys - Major Rehabilitation Evaluation Reports NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

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Includes all joint costs for major rehabilitation evaluation reports. Operation and Maintenance (O&M) funds are to be used only until Construction (C) funds are allocated to the project.

**WORK CATEGORY CODE: 60631 - Joint Activities for Dam Safety - Instrumentation, Data Collection and Analysis, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs of Instrumentation for Engineering Analysis and Continuing Evaluation Data Gathering Inspections, and Data Analysis for Dam Safety NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all costs for instrumentation for measuring horizontal and vertical movement, stresses and strains, pore pressure, phreatic surfaces, seismic effects, and seepage clarity and quality:

1. Operation of instruments in existing dam structures for safety evaluation.
2. Collecting, analyzing and reporting instrumentation data.

**WORK CATEGORY CODE: 60632 - Joint Activities for Dam Safety - Formal Periodic Assessments, Inspections and Reports, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs for Formal Periodic Assessments, Inspections and Reports for Dam Safety NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs related to the scheduled periodic assessments, inspections and reporting of projects and bridges needed to meet inspection frequency requirements as follows:

1. Dams, locks and dams, initial and second inspections if funded under O&M, and high hazard structures.
2. Public Bridges.
3. Structures whose failure would be a major loss to the national infrastructure or cause severe economic distress.
4. Other projects where known conditions warrant inspections at a frequency more often than normal.

**WORK CATEGORY CODE: 60641 - Joint Activities for Water Management (Control and Quality) –Analysis and Studies, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs for Water Management (Control and Quality) Activities - Analysis, Studies and Regulation Instructions NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs for personnel and space to manage the hydrologic, hydraulic and

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meteorological data required for water control and quality activities in accordance with the current water control/quality plan.

1. Prepare routine regulation instructions and runoff forecasts, coordinate with other agencies and entities.
2. Prepare water control manuals.
3. Disseminate water control information.
4. Coordination activities, travel and other associated costs required to make sound water control management decisions.
5. Reservoir and river analyses to improve the quality of water within and downstream from the reservoirs.
6. Water management studies to improve efficiency or mitigate constraints on approved plans of regulation, annual updating of notification lists, and funds transferred to other agencies and any similar items needed to accomplish this activity.
7. Development of the water quality component of water control manuals and daily decisions on multi-level releases and pro-rata share of office and computer facilities and other related costs associated with water management.
8. Calibrate, operate (or make operational) the forecasting and decision support models within the Corps Water Management System (CWMS).

**WORK CATEGORY CODE: 60642 - Joint Activities for Water Management (Control and Quality) Operation of Water Control Data Systems, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs for Water Management (Control and Quality) Activities - Operation of Water Control Data Systems NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Collect and process the hydrologic, hydraulic and meteorological data required for water control and quality activities in accordance with the current plan.

1. Operation of equipment including rainfall and streamflow gages. Costs for purchase and maintenance of new water control data systems equipment are included in WCC 61240.
2. Other data collection, and pro-rata share of office and computer facilities and other related costs associated with operation of water management data systems including the Corps Water Management System (CWMS).
3. Coordination with other agencies and entities, travel, funds transferred to other agencies, and other associated costs required for operation of water management data systems.

**WORK CATEGORY CODE: 60650 - Joint Activities for Real Estate Management, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint costs for Real Estate Management including Compliance, and Utilization Inspections NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

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Includes all joint costs, including contractual services, incident to granting to others the use of and performing inspections of property for purposes such as commercial concessions, industrial uses, public park and recreation, quasi-public and group camp use.

1. Fish and wildlife habitat management.
2. Selected agricultural and grazing uses.
3. Reconveyance clauses (restrictions) in deeds.
4. Granting use of, and performing inspections of, property granted and reserved to others for purposes such as road, street, waterline, power line, and communication rights-of-way.
5. Requests to drill for oil or gas on Government owned property where no oil or gas lease is required.
6. Other uses covered by easements, licenses, and permits.
7. Report preparation, determination of compliance after vacation of property subsequent to expiration or revocation of grant, and corrective measures where non-compliance is noted.
8. Appraisals, surveys, mapping, negotiations, preparation and execution of outgrants, renewal, extension, cancellation/termination documents, responses to request for use of real or related personal property, Executive Order surveys and public land withdrawals (applies to the 11 western states).
9. Utilization inspections of real property under the control of or subject to a service agreement with the Corps or the Government.
10. Reconciliation of financial records with flood risk management land and mineral lease receipts, and real property accountability, including real property inventory updates and preparation of annual civil-owned property reports (GSA 1166).

**WORK CATEGORY CODE: 60660 - Joint Activities for Environmental Compliance Management, FERC #539.**

WORK CATEGORY DESCRIPTION: Joint costs for Environmental Compliance Management activities NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint operational costs to comply with applicable Federal laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations. Costs associated with medical surveillance and other employee health and safety requirements are not included. Includes all costs associated with management and oversight of environmental compliance operational activities related to the Joint Function.

1. Environmental compliance assessments, external and internal. Federal, DOD and Corps of Engineers requirements are described in the ERGO/TEAM environmental assessment

manuals.

2. Environmental compliance activities for maintenance shops supporting Joint.
3. Baseline environmental inspections of outgrants and rights-of-way on lands allocated for operation.
4. Orientation for project personnel on site-specific environmental hazards.
5. Development and update of required environmental plans for spill prevention, hazard communication, pollution prevention, hazardous material management; underground storage tanks, storage and handling of pesticides and petroleum-oil & lubricants.
6. Implementation and maintaining an Environmental Management System (EMS) which may be cost shared with other business lines.
7. Regulatory fees.
8. Drinking water and waste analysis.
9. Inspection of waste collection and disposal facilities.

**WORK CATEGORY CODE: 60661 – Joint Management of Mitigation Activities, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint Management of Mitigation Activities *NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.*

Includes all costs for the management and operation of authorized mitigation activities including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources losses as a result of the construction of the project or by project operation activities. This Work Category does not include acquisition costs. Maintenance would be charged under 61661 Maintenance of Mitigation Features.

**WORK CATEGORY CODE: 60662 – Joint Management of Threatened and Endangered Species, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint Management of Threatened and Endangered Species *NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.*

Includes all management costs for the construction, planning, management and operation to support threatened and endangered species work.

1. Manage impact of operation and maintenance and construction on Federally endangered or threatened species.
2. Coordination and consultation with the Department of Interior.
3. Development of biological assessments, biological opinions, agency technical reviews (ATR), negotiations with the National Marine Fisheries Service.
4. Review of draft and final biological opinions.

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5. Development of implementations plans.
6. Monitoring, research and development, and re-initiation of consultation.

**WORK CATEGORY CODE: 60663 – Joint Pest and Invasive Species Management, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint Pest and Invasive Species Management NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all costs for management and operation to support integrated pest management activities for Joint activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Joint activities mission. Examples may include monitoring of zebra mussels, inspection of invasive mussels on infrastructure, herbicide planning of aquatic and terrestrial vegetation, and operation of electric barriers.

**WORK CATEGORY CODE: 60664 – Joint Cultural Resources Management and Curation, FERC #537.**

WORK CATEGORY DESCRIPTION: Joint Cultural Resources Management and Curation NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

1. Curation, storing and maintaining a collection using appropriate methods and containers, and under appropriate environmental conditions and physically secure controls.
2. Collection inspections and preservation.
3. Access and facilities for collection study.
4. Agreements with other entities that serve as the repository.

**WORK CATEGORY CODE: 60691 – Joint Facility Security – Facility Physical/Cyber Security Assessments, FERC #539.**

WORK CATEGORY DESCRIPTION: Joint Facility Security - Assessments, reviews, studies and analyses NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, or Water Supply.

1. Conduct and prepare security risk assessments, reviews, evaluations, studies and analyses for facility security related to criminal and terrorist activities.
2. Evaluate threats, consequences and security system effectiveness for Joint features.
3. Prepare or revise Emergency Action Plans and plans to address facility protection and security.

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4. All costs associated with cyber security risk assessments, and cyber system accreditation/authorization activities, including costs associated with third party validation of control system cyber security controls.
5. Industrial Control System analysis.
6. Risk Management Framework authority to operate (non-Corpsnet items only).

**WORK CATEGORY CODE: 60692 – Joint Facility Security – Facility Security Guards, Monitoring Activities, FERC #539.**

WORK CATEGORY DESCRIPTION: Joint Facility Security - Guards and Monitoring Activities NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, or Water Supply.

Includes all costs for guards and security system monitoring activities.

**WORK CATEGORY CODE: 60711 - National Emergency Preparedness Program (NEPP) – Continuity of Operation.**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) - Continuity of Operation activities.

1. Develop, maintain and exercise Continuity of Operation Plans (COOP).
2. Development of plans and Standard Operating Procedures (SOPs), participation in exercises and program management associated with USACE relocation and reconstitution missions as a result of either a natural or manmade (caused) disaster or emergency.

**WORK CATEGORY CODE: 60712 - National Emergency Preparedness Program (NEPP) - National Preparedness Planning.**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) - National Preparedness Planning activities.

1. Deliberate planning for assigned catastrophic disaster response plans which ensure that Corps MSCs and districts can support the Nation during national emergency events.
2. Deliberate planning, development of Standard Operating Procedures (SOPs), exercises, program management and coordination with related Federal, State, and local entities.
3. Preparedness planning for Port Readiness and Military Assistance to Civil Disturbances.

**WORK CATEGORY CODE: 60713 - National Emergency Preparedness Program (NEPP) – Support of Emergency Operations Centers (EOCs).**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) - Support of Emergency Operation Centers (EOCs).

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**WORK CATEGORY CODE: 60714 - National Emergency Preparedness Program (NEPP) –  
Emergency Water Program.**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) -  
Emergency Water Program.

Includes all personnel and contracting costs for those activities required to execute E.O.12656  
related to the Emergency Water Program. (For HQUSACE use only).

**WORK CATEGORY CODE: 60715 - National Emergency Preparedness Program (NEPP)  
– Continuity of Government:**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) -  
Continuity of Government.

Includes all personnel and contracting costs for those activities associated with Continuity of  
Government, including plans to support the Federal Emergency Management Agency (FEMA)  
and other Federal, State and local agencies in their efforts to reestablish civil authority lost as a  
result of natural or manmade (caused) disaster or an attack on the United States. (For  
HQUSACE use only as directed).

**WORK CATEGORY CODE: 60716 - National Emergency Preparedness Program (NEPP)  
– Training and Exercises.**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) -  
Training and Exercises.

Includes all costs for the development of and the participation in catastrophic disaster training  
and exercises in the inter- and intra-agency arena.

**WORK CATEGORY CODE: 60717 – National Emergency Preparedness Program  
(NEPP) - National Emergency Response/Event.**

WORK CATEGORY DESCRIPTION: National Emergency Preparedness Program (NEPP) -  
National Emergency Response/Event.

Includes activation and operation of EOCs and the deployment of response personnel and  
equipment for a national emergency event. These funds are not budgeted and will be issued by  
HQs as the situation warrants. Refer to ER 11-1-320 dated 1 November 2009.

**WORK CATEGORY CODE: 60811 - Operation for Water Supply.**

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**WORK CATEGORY DESCRIPTION:** Operation of Project Gates, Specific Water Supply Conduits, Permanent Operating Equipment, etc. for water supply features.

Includes all costs for the operation; necessary materials, supplies, equipment and transportation costs associated with operation; associated hired labor and contract support; routine materials and supplies; and other costs: such as project gates, specific water supply conduits and permanent operating equipment specifically for water supply.

**WORK CATEGORY CODE: 60812 – Operation for Water Supply - Water Supply Agreements.**

**WORK CATEGORY DESCRIPTION:** Development and Renegotiation of Water Supply Agreements.

Includes all labor and associated costs involved in the development of new water supply agreements and for costs required for existing water supply agreements such as billings and collections including delinquencies, lawsuits and modifications and renegotiations of such agreements.

**WORK CATEGORY CODE: 60821 - Studies and Surveys for Water Supply.**

**WORK CATEGORY DESCRIPTION:** Studies and Surveys for water supply features.

Includes all costs to prepare new or continuing reports associated with the reallocation of an existing project purpose to water supply.

Work Category Codes and Definitions  
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Navigation (611--)  
Flood Risk Management (612--)  
Hydropower (613--)  
Environmental (614--)  
Recreation (615--)  
Joint Activities (616--)  
Reserved (617--)  
Water Supply (618--)

Maintenance Work Category Code Matrix (by Business Line)							
WCC	NAVIGATION 611XX	FLOOD DAMAGE REDUCTION 612XX	HYDROPOWER 613XX	ENVIRONMENTAL 614XX	RECREATION 615XX	JOINT ACTIVITIES 616XX	Water Supply 618XX
61X10	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING	MAINTENANCE EXCLUDING DREDGING
61X20	DREDGING	DREDGING	DREDGING	DREDGING	DREDGING	DREDGING	DREDGING
61X30	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
61X40	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT	WATER MANAGEMENT EQUIPMENT
61X50	REAL ESTATE	REAL ESTATE	REAL ESTATE	REAL ESTATE	REAL ESTATE	REAL ESTATE	REAL ESTATE
61X60	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL COMPLIANCE
61X70	RESERVED	RESERVED	NON- APPROPRIATED FUND REPAIR/ REPLACEMENT	RESERVED	RESERVED	RESERVED	RESERVED
61X80	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
61X90	FACILITY SECURITY	FACILITY SECURITY	FACILITY SECURITY	FACILITY SECURITY	RESERVED	FACILITY SECURITY	RESERVED

A Breakdown of Work Category Codes (WCCs) and descriptions under these functions is on the following pages:

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**WORK CATEGORY CODE: 61110 - Maintenance for Navigation.**

WORK CATEGORY DESCRIPTION: Maintenance of Locks, Dams, Reservoirs, Dikes, Revetments, Breakwaters, Jetties, Seawalls, Piers, Levees and Similar Structures, Service Facilities, Permanent Operating Equipment, etc. excluding dredging activities for navigation features.

1. Maintenance and repair, replacement of NAV facilities and components.
2. Bridge maintenance & repair.
3. Hydraulic steel structure safety repairs & maintenance work.
4. Additions and efficiency improvements to, or retirement of, NAV components.
5. Spare parts, replacements, additions, special tools, miscellaneous supplies and materials.
6. Contract preparation for maintenance activities.
7. Contract administration and quality assurance.
8. Transportation costs and other costs required to perform this maintenance function.
9. Purchase of permanent operating equipment for non-Water Management activities.
10. Stilling basin dewatering and repair.
11. Non-dredging navigation channel maintenance including snagging, clearing, aquatic plant removal, removal of sunken vessels, drift removal, rock and other debris removal.
12. Maintenance of buildings, grounds and utilities that are part of the Los Angeles-Long Beach hydraulic model.

**WORK CATEGORY CODE: 61121 - Dredging Activities for Navigation.**

WORK CATEGORY DESCRIPTION: Dredging of Channels and Canals for navigation activities including all disposal activities. Disposal activities include, but are not limited to, confined, open water, beach, wetland creation, aquatic habitat creation, etc.

1. Dredging, excavation and disposal activities for the maintenance and efficiency improvements of channels and canals for NAV purposes.
2. Dredging surveys and required real estate activities, E&D, S&A, etc.
3. Environmental clearances to perform the associated dredging.
4. Disposal of dredged materials in confined disposal facilities, open water, sand on beaches, creation or restoration of wetlands or other aquatic habitat using dredged material; and creation of land using dredged material.
5. Spare parts, special tools, miscellaneous materials and supplies, transportation, disposal, and equipment for NAV dredging.

**WORK CATEGORY CODE: 61122 - Maintenance of Dredged Material Disposal Facilities for Navigation.**

WORK CATEGORY DESCRIPTION: Maintenance of Disposal Facilities for Containment of Dredged Materials for navigation channels and features.

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Includes all costs for the maintenance and repair of dredged material disposal facilities including incremental levee raises not subject to Non-Federal cost share, levee repairs, spill box repairs, ditching and dewatering, erosion protection and costs required for real estate outgrant activities. Also includes related costs for spare parts, replacements, special tools, miscellaneous materials and supplies, transportation, and equipment usage.

**WORK CATEGORY CODE: 61123 – Donor and Energy Transfer Port and Expanded Uses Activities for Navigation.**

WORK CATEGORY DESCRIPTION: Eligible Activities for Donor and Energy Transfer Ports, and Expanded Uses for navigation features.

Includes all costs for eligible Donor and Energy Transfer Ports, and Expanded Uses for eligible activities as defined in the Water Resources Reform and Development Act (WRRDA) of 2014, Section 2102 for Operation and Maintenance of Harbor Projects, and Section 2106 for Additional Measures at Donor Ports and Energy Transfer Ports.

**WORK CATEGORY CODE: 61130 – Dam Safety Remediation of Deficiencies for Navigation.**

WORK CATEGORY DESCRIPTION: Remediation of Safety Deficiencies for Dams, Levees and Other Structures as appropriate for navigation features.

Includes all direct costs for the non-routine repair, replacement and corrections to all dams included in the National Inventory of Dams plus any levees, diversion structures and related appurtenances maintained at Federal expense to remediate dam safety deficiencies. Includes related costs for contracts, parts, replacements, special tools, supplies and materials, government plant, hired labor to include contract support, transportation costs and other costs required to perform this work. Specifically, this includes non-routine maintenance and/or repair work for dams and pertinent structures and levees that have either been identified by any means as having a Dam Safety Deficiency or has been concurred to be deficient by the District Commander, his appointed Dam Safety Officer or District Dam Safety Program Manager. Dam Safety maintenance or repair work may be identified by any means such as a study, criteria review, or any scheduled or unscheduled inspection. Non-routine repair, replacement, and corrections for dam safety plans and specifications shall be approved by the Dam Safety Modification Mandatory Center of Expertise (DSMMCX). Only the actual work to include the associated plans and specifications (P&S), engineering and design (E&D) for the repairs or remedial corrections will be included in this Work Category Code as appropriate. For those business programs that do not specifically have a Work Category Code for Dam Safety yet may encounter dam safety related work, the costs should be included in the primary business program for that project. Costs are only included in this Work Category Code if they meet the above definition for Dam Safety.

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**WORK CATEGORY CODE: 61140 - Water Management (Control and Quality)  
Equipment for Navigation.**

WORK CATEGORY DESCRIPTION: Purchase and Maintenance of Water Management (Control and Quality) Equipment for navigation features.

1. Purchase of new or replacement hardware, software, and equipment (upgrades, betterments, or expansion).
2. Maintenance of existing equipment used to acquire, process, display, and distribute data associated with project water management and regulation (water control and quality).
3. Only those costs related to equipment justified in approved Division water management Master plans.

**WORK CATEGORY CODE: 61151 - Real Estate - Land Acquisition and Disposal  
Management Activities, Settlement of Claims, Audits for Navigation.**

WORK CATEGORY DESCRIPTION: Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for navigation features.

1. Planning, appraisal, negotiation, condemnation, relocation assistance, mapping, surveying, title evidence, inspections, closings, audits and temporary permits necessary to acquire or dispose of lands and interests.
2. Real estate payments for acquisition of real property and interests therein.
3. Actions to settle claims, including damage payments arising from claims over the use and occupancy of land, real property and timber in which fee, easements, or lesser interests were not acquired.
4. Administrative costs incurred in connection with timber disposal in support of forest management activities, such as contract administration and inspection.

**WORK CATEGORY CODE: 61152 - Real Estate - Resolution of Real Estate  
Encroachments for Navigation.**

WORK CATEGORY DESCRIPTION: Real Estate - Resolution of Real Estate Encroachments for navigation features.

Includes all costs for the resolution of all encroachments on project lands, and degradation of public lands and encroachments adversely affecting the intended uses of potentially high use areas; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61153 - Real Estate - Boundary Monumentation and  
Rectification for Navigation.**

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**WORK CATEGORY DESCRIPTION:** Real Estate - Boundary Monumentation and Rectification for navigation features.

Includes all costs to survey and mark boundary lines in support of acquisition; to resurvey or remark boundary lines and place monuments in support of Executive Order actions and disposal actions, and costs to survey and mark boundary lines where not previously completed. Under normal circumstances there will be no work items in the Baseline funding level for this Work Category.

**WORK CATEGORY CODE: 61154 – Real Estate - Boundary and Flowage Easement Maintenance Activities for Navigation.**

**WORK CATEGORY DESCRIPTION:** Boundary and Flowage Easement Maintenance activities for navigation features.

Includes all costs for maintenance of boundary and flowage easement monumentation for Corps water resource projects where a natural resources program (Environmental Stewardship) does NOT occur. Where a NRM program exists, the 61454 WCC should be used to pay costs related to boundary and flowage easement requirements required for protection of managed stewardship lands or environmentally sensitive areas. Includes costs for salaries, contracts, supplies, materials, and equipment necessary for marking, clearing, identifying, painting, fencing, signage, notifications, or other methodologies of maintaining boundary and flowage easement monumentation monitoring.

**WORK CATEGORY CODE: 61160 - Environmental Compliance (ERGO Remedial Actions) for Navigation.**

**WORK CATEGORY DESCRIPTION:** Environmental Compliance (ERGO remedial actions) for Locks, Dams, Reservoirs, Breakwaters, Jetties, Seawalls, Piers, Levees, Other Control Structures, Pumping Plants, Other Facilities, Channels and Canals for navigation features.

Includes all maintenance, repair and remediation costs to comply with applicable Federal environmental laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for locks, dams, reservoirs, breakwaters, jetties, seawalls, piers, levees, other control structures, pumping plants, other facilities, channels and canals.

1. Corrective actions related to environmental compliance assessment findings related to NAV activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination

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resulting from NAV activities.

3. Treatment system installation, repair or renovation, erosion protection of structures or pool, responding to spills from NAV facilities.
4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from NAV activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61161 - Maintenance of Mitigation Features Navigation.**

WORK CATEGORY DESCRIPTION: Maintenance of mitigation features for navigation features.

Includes all costs for the maintenance of authorized mitigation features including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document. This Work Category does not include acquisition costs.

**WORK CATEGORY CODE: 61162 – Maintenance of Threatened and Endangered Species Features for Navigation.**

WORK CATEGORY DESCRIPTION: Maintenance of Threatened and Endangered Species Features for navigation features.

Includes all maintenance costs for the Threatened and Endangered Species infrastructure or other assets. Includes costs for salaries, contracts, supplies, materials, and equipment to maintain existing features designed to meet requirements of the Endangered Species Act such as infrastructure constructed to meet reasonable and prudent alternatives within a biological opinion and other ESA requirements.

**WORK CATEGORY CODE: 61163 – Pest and Invasive Species Maintenance for Navigation.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Maintenance for navigation features.

Includes all costs for management and operation to support integrated pest maintenance activities for Navigation activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Navigation mission. Examples may include removal or control of zebra and quagga mussels from infrastructure such as intakes, pipes and screens, herbicide and of aquatic and terrestrial vegetation, pesticide of exotic or invasive pests, and maintenance of electric fish barriers.

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**WORK CATEGORY CODE: 61191 – Facility Physical/Cyber Security Maintenance and Replacement for Navigation.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Maintenance and Replacement for navigation features.

Includes all costs to maintain and replace structural improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs to maintain, repair or replace permanent or temporary barriers, fencing, traffic signs, lighting, and communications equipment.
2. Costs to maintain, repair or replace intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems, control system patching and updates, and system baseline maintenance.
3. Costs to maintain, repair or replace system continuous monitoring, system software maintenance agreements necessary to maintain authorization and address revealed vulnerabilities.
4. Costs for cyber asset lifecycle replacements or replacements due to failure.

**WORK CATEGORY CODE: 61192 – Facility Security Physical/Cyber Improvements and Modifications for Navigation.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Improvements and Modifications for navigation features.

Includes all costs for engineering and design, and to acquire and install structural improvements, modifications and physical improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs for permanent or temporary barriers, fencing, traffic signs, lighting, communications equipment, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems.
2. Costs associated with cyber asset replacements to strengthen security posture, asset purchases to improve system performance or meet security mandates associated with securing industrial control, data acquisition and/or water quality and/or treatment systems.

**WORK CATEGORY CODE: 61211 - Maintenance for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Maintenance of Dams, Reservoirs, Levees, Floodwalls, Hurricane Barriers, and Other Flood Risk Management Structures; Snagging, Clearing, Aquatic Plant Removal, Rock and Other Debris Removal, and Other Non-Dredging Flood Risk Management Channel Maintenance; Pumping Plants, Other Service Facilities (Buildings,

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Grounds, Utilities, and Roads, Railroads and Bridges), Maintenance and Purchase of Permanent Operating Equipment for Non-Water Control Management Activities; etc., excluding dredging for flood risk management features.

1. Maintenance and repair or replacement of FRM facilities and components.
2. Bridge maintenance & repair.
3. Hydraulic steel structure safety repairs & maintenance work.
4. Additions and efficiency improvements to, or retirement of, FRM components.
5. Spare parts, replacements, additions, special tools, miscellaneous supplies and materials.
6. Contract preparation for maintenance activities.
7. Contract administration and quality assurance.
8. Transportation costs and other costs required to perform this maintenance function.
9. Purchase of permanent operating equipment for non-Water Management activities.
10. Stilling basin dewatering and repair.

**WORK CATEGORY CODE: 61212 - Maintenance of Dikes, Revetments, Breakwaters and Similar Structures for Mississippi River and Tributaries (MR&T) Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Maintenance of Dikes, Revetments, Groins, Breakwaters, Jetties, Seawalls and Similar Structures for MR&T flood risk management purposes.

Includes all costs for the maintenance and repair, replacement, additions and efficiency improvements to, or retirement of revetments, dikes, groins, breakwaters, seawalls, piers, linings, training dikes, bulkheads and similar structures. Also includes related costs for spare parts, replacements, additions, special tools, miscellaneous materials and supplies, transportation costs, equipment usage, associated government plant and hired labor for project maintenance, contract support, and other costs.

**WORK CATEGORY CODE: 61221 - Dredging Activities for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Dredging of Channels and Canals for flood risk management activities including all disposal activities. Disposal activities include, but are not limited to, confined, open water, beach, wetland creation, aquatic habitat creation, etc.

1. Dredging, excavation and disposal activities for the maintenance and efficiency improvements of channels and canals for FRM purposes.
2. Dredging surveys and required real estate activities, E&D, S&A, etc.
3. Environmental clearances to perform the associated dredging.
4. Disposal of dredged materials in confined disposal facilities, open water, sand on beaches, creation or restoration of wetlands or other aquatic habitat using dredged material; and creation of land using dredged material.

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5. Spare parts, special tools, miscellaneous materials and supplies, transportation, disposal, and equipment for FRM dredging.

**WORK CATEGORY CODE: 61222 - Dredging - Construction and Maintenance of Disposal Facilities for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Construction and Maintenance of Disposal Facilities for Dredged Materials for flood risk management features.

Includes all costs for the construction and the maintenance of dredged material disposal facilities including confined disposal facilities, and required real estate activities. Also includes related costs for spare parts, replacements, special tools, miscellaneous materials and supplies, transportation and equipment usage.

**WORK CATEGORY CODE: 61230 - Dam Safety Remediation of Deficiencies for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Remediation of Safety Deficiencies for Dams, Levees and Other Structures as appropriate for flood risk management features.

Includes all direct costs for the non-routine repair, replacement and corrections to all dams included in the National Inventory of Dams plus any levees, diversion structures and related appurtenances maintained at Federal expense to remediate dam safety deficiencies. Includes related costs for contracts, parts, replacements, special tools, supplies and materials, government plant, hired labor to include contract support, transportation costs and other costs required to perform this work. Specifically, this includes non-routine maintenance and/or repair work for dams and pertinent structures and levees that have either been identified by any means as having a Dam Safety Deficiency or has been concurred to be deficient by the District Commander, his appointed Dam Safety Officer or District Dam Safety Program Manager. Dam Safety maintenance or repair work may be identified by any means such as a study, criteria review, or any scheduled or unscheduled inspection. Non-routine repair, replacement, and corrections for dam safety plans and specifications shall be approved by the Dam Safety Modification Mandatory Center of Expertise (DSMMCX). Only the actual work to include the associated plans and specifications (P&S), engineering and design (E&D) for the repairs or remedial corrections will be included in this Work Category Code as appropriate. For those business programs that do not specifically have a Work Category Code for Dam Safety yet may encounter dam safety related work, the costs should be included in the primary business program for that project. Costs are only included in this Work Category Code if they meet the above definition for Dam Safety.

**WORK CATEGORY CODE: 61240 - Water Management (Control and Quality) Equipment for Flood Risk Management.**

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**WORK CATEGORY DESCRIPTION:** Purchase and Maintenance of Water Management (Control and Quality) Equipment for flood risk management features.

1. Purchase of new or replacement hardware, software, and equipment (upgrades, betterments, or expansion).
2. Maintenance of existing equipment used to acquire, process, display, and distribute data associated with project water management and regulation (water control and quality).
3. Only those costs related to equipment justified in approved Division water management Master plans.

**WORK CATEGORY CODE: 61251 - Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for Flood Risk Management.**

**WORK CATEGORY DESCRIPTION:** Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for flood risk management features.

1. Planning, appraisal, negotiation, condemnation, relocation assistance, mapping, surveying, title evidence, inspections, closings, audits and temporary permits necessary to acquire or dispose of lands and interests.
2. Real estate payments for acquisition of real property and interests therein.
3. Actions to settle claims, including damage payments arising from claims over the use and occupancy of land, real property and timber in which fee, easements, or lesser interests were not acquired.
4. Administrative costs incurred in connection with timber disposal in support of forest management activities, such as contract administration and inspection.

**WORK CATEGORY CODE: 61252 - Real Estate - Resolution of Real Estate Encroachments for Flood Risk Management.**

**WORK CATEGORY DESCRIPTION:** Real Estate - Resolution of Real Estate Encroachments for flood risk management features.

Includes all costs for the resolution of all encroachments on project lands, and degradation of public lands and encroachments adversely affecting the intended uses of potentially high use areas; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61253 - Real Estate - Boundary Monumentation and Rectification for Flood Risk Management.**

**WORK CATEGORY DESCRIPTION:** Real Estate - Boundary Monumentation and Rectification for flood risk management features.

Includes all costs to survey and mark boundary lines in support of acquisition; to resurvey or

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remark boundary lines and place monuments in support of Executive Order actions and disposal actions, and costs to survey and mark boundary lines where not previously completed. Under normal circumstances there will be no work items in the Baseline funding level for this Work Category.

**WORK CATEGORY CODE: 61254 – Real Estate - Boundary and Flowage Easement Maintenance Activities for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Boundary and Flowage Easement Maintenance activities for flood risk management features.

Includes all costs for maintenance of boundary and flowage easement monumentation for Corps water resource projects where a natural resources program (Environmental Stewardship) does NOT occur. Where a NRM program exists, the 61454 WCC should be used to pay costs related to boundary and flowage easement requirements required for protection of managed stewardship lands or environmentally sensitive areas.

Includes costs for salaries, contracts, supplies, materials, and equipment necessary for marking, clearing, identifying, painting, fencing, signage, notifications, or other methodologies of maintaining boundary and flowage easement monumentation monitoring.

**WORK CATEGORY CODE: 61260 - Environmental Compliance (ERGO Remedial Actions) for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Environmental Compliance (ERGO remedial actions) for Dams, Breakwaters, Jetties, Seawalls, Levees, Floodwalls, Hurricane Barriers, Other Flood Risk Management Structures, Pumping Plants, Other Facilities, Channels and Canals for flood risk management features.

Includes all maintenance, repair and remediation costs to comply with applicable Federal environmental laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for dams, breakwaters, jetties, seawalls, levees, floodwalls, hurricane barriers, other flood risk management structures, pumping plants, other facilities, channels and canals.

1. Corrective actions related to environmental compliance assessment findings related to FRM activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination resulting from FRM activities.
3. Treatment system installation, repair or renovation, erosion protection of structures or

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pool, responding to spills from FRM facilities.

4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from FRM activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61261 - Maintenance of Mitigation Features for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Maintenance of Mitigation Features for flood risk management features.

Includes all costs for the maintenance of authorized mitigation features including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document. This Work Category does not include acquisition costs.

**WORK CATEGORY CODE: 61262 – Maintenance of Threatened and Endangered Species Features for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Maintenance of Threatened and Endangered Species Features for flood risk management features.

Includes all maintenance costs for the Threatened and Endangered Species infrastructure or other assets. Includes costs for salaries, contracts, supplies, materials, and equipment to maintain existing features designed to meet requirements of the Endangered Species Act such as infrastructure constructed to meet reasonable and prudent alternatives within a biological opinion and other ESA requirements.

**WORK CATEGORY CODE: 61263 – Pest and Invasive Species Maintenance for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Maintenance for flood risk management features.

Includes all costs for management and operation to support integrated pest maintenance activities for Flood Risk Management activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Flood Risk Management mission. Examples may include removal or control of zebra and quagga mussels from infrastructure such as intakes, pipes and screens, herbicide and of aquatic and terrestrial vegetation, pesticide of exotic or invasive pests, and maintenance of electric fish barriers.

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**WORK CATEGORY CODE: 61291 – Facility Physical/Cyber Security Maintenance and Replacement for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Maintenance and Replacement for Flood Risk Management features.

Includes all costs to maintain and replace structural improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs to maintain, repair or replace permanent or temporary barriers, fencing, traffic signs, lighting, and communications equipment.
2. Costs to maintain, repair or replace intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems, control system patching and updates, and system baseline maintenance.
3. Costs to maintain, repair or replace system continuous monitoring, system software maintenance agreements necessary to maintain authorization and address revealed vulnerabilities.
4. Costs for cyber asset lifecycle replacements or replacements due to failure.

**WORK CATEGORY CODE: 61292 – Facility Security Physical/Cyber Improvements and Modifications for Flood Risk Management.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Improvements and Modifications for Flood Risk Management features.

Includes all costs for engineering and design, and to acquire and install structural improvements, modifications and physical improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs for permanent or temporary barriers, fencing, traffic signs, lighting, communications equipment, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems.
2. Costs associated with cyber asset replacements to strengthen security posture, asset purchases to improve system performance or meet security mandates associated with securing industrial control, data acquisition and/or water quality and/or treatment systems.

**WORK CATEGORY CODE: 61311-61314 Maintenance for Hydropower.**

WORK CATEGORY DESCRIPTION: Maintenance of Power Plants, excluding dredging for hydropower features.

Includes all costs for power plant maintenance and repair, replacements, additions and efficiency improvements to, and retirement of all power plant structures; of facilities and equipment

required for production, transmission, and distribution of electrical power, including but not limited to the power plant, spillway, low flow bypass systems, storage facilities, turbines, motors, pumps, generators, and governors; of all accessory electrical or electronic equipment and control systems; of all water, air, and oil systems; of all intake structures with electrical and mechanical equipment; of the tailrace, switchyard, transformer yard, elevators, trash racks; and of lighting and interior power distribution systems, cable tunnels and conduit runs; and installation of instrumentation. Includes spare parts, special and regular tools, supplies and equipment, scaffolding, and rental of specialized equipment. Includes labor and materials, and incidental expenses incurred to maintain maintenance records; expenses incurred by the power plant management and support staff in the general supervision of the maintenance of the hydraulic generating station; and transportation and per diem costs required to perform power plant maintenance functions.

**Costs for this function will be sub-divided as follows:**

**61311 – Maintenance for Hydropower - Maintenance Supervision and Engineering, FERC #541.** Costs for labor, materials and expenses incurred in the general supervision of maintenance of hydraulic power generating stations. Direct supervision of specific jobs is charged to the appropriate maintenance feature.

**61312 – Maintenance for Hydropower - Maintenance of Hydropower Structures, FERC #542.** Costs for labor, materials and expenses incurred in the maintenance, repair, replacement, additions and efficiency improvements to, and retirement of, the powerhouse, and power intake works whether or not the powerhouse is an integral part of the intake dam.

**61313 – Maintenance for Hydropower - Maintenance of Electric Plant, FERC #544.** Costs for labor, materials and expenses incurred in the maintenance, repair, replacement, additions and efficiency improvements to, and retirement of, the power plant generating and accessory electrical and mechanical equipment, and switchyard electrical and mechanical equipment.

**61314 – Maintenance for Hydropower - Maintenance of Miscellaneous Hydraulic Plant, FERC #545.** Costs for labor, materials and expenses incurred in the maintenance, repair, replacement, additions and efficiency improvements to, and retirement of, the power plant and switchyard hydraulic plant.

**WORK CATEGORY CODE: 61321 - Dredging Activities for Hydropower, FERC #543.**

**WORK CATEGORY DESCRIPTION:** Dredging for hydropower activities including all disposal activities.

1. Dredging, excavation and disposal activities for the maintenance and efficiency improvements of channels and canals for HYD purposes.

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2. Dredging surveys and required real estate activities, E&D, S&A, etc.
3. Environmental clearances to perform the associated dredging.
4. Disposal of dredged materials in confined disposal facilities, open water, sand on beaches, creation or restoration of wetlands or other aquatic habitat using dredged material; and creation of land using dredged material.
5. Spare parts, special tools, miscellaneous materials and supplies, transportation, disposal, and equipment for HYD dredging.

**WORK CATEGORY CODE: 61330 – Dam Safety Remediation of Deficiencies for Hydropower.**

WORK CATEGORY DESCRIPTION: Remediation of Safety Deficiencies for Dams, Levees and Other Structures as appropriate for hydropower features.

Includes all direct costs for the non-routine repair, replacement and corrections to all dams included in the National Inventory of Dams plus any levees, diversion structures and related appurtenances maintained at Federal expense to remediate dam safety deficiencies. Includes related costs for contracts, parts, replacements, special tools, supplies and materials, government plant, hired labor to include contract support, transportation costs and other costs required to perform this work. Specifically, this includes non-routine maintenance and/or repair work for dams and pertinent structures and levees that have either been identified by any means as having a Dam Safety Deficiency or has been concurred to be deficient by the District Commander, his appointed Dam Safety Officer or District Dam Safety Program Manager. Dam Safety maintenance or repair work may be identified by any means such as a study, criteria review, or any scheduled or unscheduled inspection. Non-routine repair, replacement, and corrections for dam safety plans and specifications shall be approved by the Dam Safety Modification Mandatory Center of Expertise (DSMMCX). Only the actual work to include the associated plans and specifications (P&S), engineering and design (E&D) for the repairs or remedial corrections will be included in this Work Category Code as appropriate. For those business programs that do not specifically have a Work Category Code for Dam Safety yet may encounter dam safety related work, the costs should be included in the primary business program for that project. Costs are only included in this Work Category Code if they meet the above definition for Dam Safety.

**WORK CATEGORY CODE: 61340 - Water Management (Control and Quality) Equipment for Hydropower, FERC #542**

WORK CATEGORY DESCRIPTION: Purchase and Maintenance of Water Management (Control and Quality) Equipment for hydropower features.

1. Purchase of new or replacement hardware, software, and equipment (upgrades, betterments, or expansion).

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2. Maintenance of existing equipment used to acquire, process, display, and distribute data associated with project water management and regulation (water control and quality).
3. Only those costs related to equipment justified in approved Division water management Master plans.

**WORK CATEGORY CODE: 61351 - Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for Hydropower, FERC #545.**

WORK CATEGORY DESCRIPTION: Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for hydropower features.

1. Planning, appraisal, negotiation, condemnation, relocation assistance, mapping, surveying, title evidence, inspections, closings, audits and temporary permits necessary to acquire or dispose of lands and interests.
2. Real estate payments for acquisition of real property and interests therein.
3. Actions to settle claims, including damage payments arising from claims over the use and occupancy of land, real property and timber in which fee, easements, or lesser interests were not acquired.
4. Administrative costs incurred in connection with timber disposal in support of forest management activities, such as contract administration and inspection.

**WORK CATEGORY CODE: 61352 - Real Estate - Resolution of Real Estate Encroachments for Hydropower, FERC #545.**

WORK CATEGORY DESCRIPTION: Real Estate - Resolution of Real Estate Encroachments for hydropower features.

Includes all costs for the resolution of all encroachments on project lands, and degradation of public lands and encroachments adversely affecting the intended uses of potentially high use areas; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61353 - Real Estate - Boundary Monumentation and Rectification for Hydropower, FERC #545.**

WORK CATEGORY DESCRIPTION: Real Estate - Boundary Monumentation and Rectification for hydropower features.

Includes all costs to survey and mark boundary lines in support of acquisition; to resurvey or remark boundary lines and place monuments in support of Executive Order actions and disposal actions, and costs to survey and mark boundary lines where not previously completed. Under normal circumstances there will be no work items in the Baseline funding level for this Work Category.

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**WORK CATEGORY CODE: 61360 - Environmental Compliance (ERGO Remedial Actions) for Hydropower, FERC #545.**

WORK CATEGORY DESCRIPTION: Environmental Compliance (remedial actions) for Dams, Levees, Other Control Structures, Power Plants, Pumping Plants, and Other Facilities for hydropower features.

Includes all maintenance, repair and remediation costs to comply with applicable Federal environmental laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and applicable state and local regulations for dams, levees, other control structures, power plants, pumping plants, and other facilities.

1. Corrective actions related to environmental compliance assessment findings related to HYD activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination resulting from HYD activities.
3. Treatment system installation, repair or renovation, erosion protection of structures or pool, responding to spills from HYD facilities.
4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from HYD activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61361- Maintenance of Mitigation Features for Hydropower, FERC #545.**

WORK CATEGORY DESCRIPTION: Maintenance of Mitigation Features for hydropower features.

Includes all costs for the maintenance of authorized mitigation features including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document. This Work Category does not include acquisition costs.

**WORK CATEGORY CODE: 61362 – Maintenance of Threatened and Endangered Species Features for Hydropower.**

WORK CATEGORY DESCRIPTION: Maintenance of Threatened and Endangered Species Features for hydropower features.

Includes all maintenance costs for the Threatened and Endangered Species infrastructure or other assets. Includes costs for salaries, contracts, supplies, materials, and equipment to maintain

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existing features designed to meet requirements of the Endangered Species Act such as infrastructure constructed to meet reasonable and prudent alternatives within a biological opinion and other ESA requirements.

**WORK CATEGORY CODE: 61363 – Pest and Invasive Species Maintenance for Hydropower.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Maintenance for hydropower features.

Includes all costs for management and operation to support integrated pest maintenance activities for hydropower activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the hydropower mission. Examples may include removal or control of zebra and quagga mussels from infrastructure such as intakes, pipes and screens, herbicide and of aquatic and terrestrial vegetation, pesticide of exotic or invasive pests, and maintenance of electric fish barriers. Does not include cleaning up pest and invasive species in conjunction with the maintenance activities required for operation.

**WORK CATEGORY CODE: 61371-61374 - O&M/WRDA 2000 Section 212 Non-Appropriated Funded activities - Major Rehabilitation Component/Equipment Replacement for Hydropower.**

WORK CATEGORY DESCRIPTION: O&M/WRDA 2000 Section 212 Funded Major Rehabilitation Component/Equipment Replacement projects for hydropower features.

Includes all costs for Non-Appropriated Funded major rehabilitation, replacement, repair, additions and efficiency improvements, including supervision, of all power plant structures, electric plant, miscellaneous hydraulic plant, power plant intake works; of facilities and equipment required for production, transmission, and distribution of electrical power, including but not limited to the power plant, spillway, low flow bypass systems, storage facilities, turbines, motors, pumps, generators, and governors; of all accessory electrical or electronic equipment and control systems; of all water, air, and oil systems; of all intake structures with electrical and mechanical equipment; of the tailrace, switchyard, transformer yard, elevators, trash racks; and of lighting and interior power distribution systems, cable tunnels and conduit runs. Includes labor and materials, special and regular tools, supplies and equipment, scaffolding, and rental of specialized equipment.

**Costs for this function will be further subdivided as follows:**

**61371 – Component/Equipment Replacement Supervision and Engineering, FERC #541.** Costs for labor, materials and expenses incurred in the supervision of the

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component/equipment replacement of hydraulic power generating stations. Direct supervision of specific jobs is charged to the appropriate maintenance feature.

**61372 - Component/Equipment Replacement of Hydropower Structures, FERC #542.** Costs for labor, materials and expenses incurred in the component/equipment replacement of the powerhouse, switchyard, and power intake works whether or not the powerhouse is an integral part of the intake dam.

**61373 - Component/Equipment Replacement of Electric Plant, FERC #544.** Costs for labor, materials and expenses incurred in the component/equipment replacement of the power plant generating and accessory electrical and mechanical equipment, and switchyard electrical and mechanical equipment.

**61374 - Component/Equipment Replacement of Miscellaneous Hydraulic Plant, FERC # 545.** Costs for labor, materials and expenses incurred in the component/equipment replacement of the power plant and switchyard hydraulic plant.

**WORK CATEGORY CODE: 61391 – Facility Physical/Cyber Security Maintenance and Replacement for Hydropower.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Maintenance and Replacement for hydropower features.

Includes all costs to maintain and replace structural improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs to maintain, repair or replace permanent or temporary barriers, fencing, traffic signs, lighting, and communications equipment.
2. Costs to maintain, repair or replace intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems, control system patching and updates, and system baseline maintenance.
3. Costs to maintain, repair or replace system continuous monitoring, system software maintenance agreements necessary to maintain authorization and address revealed vulnerabilities.
4. Costs for cyber asset lifecycle replacements or replacements due to failure.

**WORK CATEGORY CODE: 61392 – Facility Security Physical/Cyber Improvements and Modifications for Hydropower.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Improvements and Modifications for hydropower features.

Includes all costs for engineering and design, and to acquire and install structural improvements,

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modifications and physical improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs for permanent or temporary barriers, fencing, traffic signs, lighting, communications equipment, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems.
2. Costs associated with cyber asset replacements to strengthen security posture, asset purchases to improve system performance or meet security mandates associated with securing industrial control, data acquisition and/or water quality and/or treatment systems.

**WORK CATEGORY CODE: 61411 - Maintenance of Natural Resource Facilities for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Maintenance of Natural Resource Facilities.

Includes all costs to perform maintenance activities required to foster healthy and sustainable lands and waters, and to conserve and protect natural resources and associated facilities located on project lands. Maintenance activities may include but are not limited to habitat and vegetation maintenance such as fire lines, natural resources roadway maintenance for wildlife and forestry activities, fish pond and outlet maintenance, nesting box and platform repair, repair and maintain fish habitat and other maintenance activities for environmental stewardship not covered under other maintenance work category codes. All costs associated with maintenance of structures and features under the Everglades Restoration Program.

**WORK CATEGORY CODE: 61412 - Maintenance of Archeological and Cultural Resources for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Maintenance of Archeological and Cultural Resources such as Sites, Structures, and Objects.

Includes all costs to manage and maintain identified archeological or historic structures, sites or objects. Also includes cultural resources maintenance costs to protect, recover, preserve or otherwise mitigate significant archaeological, historical, and cultural buildings, sites, structures or objects.

**WORK CATEGORY CODE: 61418 – Maintenance of Special Status Species for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Maintenance of Special Status Species for environmental stewardship features.

Includes all costs for maintenance of resources and features supporting special status species.

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Includes costs of salaries, contracts, equipment, supplies and materials to protect and maintain species of special concern such as Federal or state listed endangered, threatened, rare or sensitive species, including activities in areas under license, lease, or outgrant. Includes activities undertaken to maintain a resource, population, habitat or management feature, such as vegetation manipulation, forest management, prescribed burning, placement and maintenance of fish or wildlife habitat structures and activities to protect populations and individual specimens (e.g., citation authority program, surveillance activities, identifying and monitoring exclusion zones). The cost of special status species maintenance that is a function of activities of another business line, e.g., navigation, shall be funded by that business line as a cost of doing business, using work category codes associated with the appropriate business line.

**WORK CATEGORY CODE: 61440 - Water Management (Control and Quality)  
Equipment for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Purchase and Maintenance of Water Management (Control and Quality) Equipment for environmental stewardship features.

1. Purchase of new or replacement hardware, software, and equipment (upgrades, betterments, or expansion).
2. Maintenance of existing equipment used to acquire, process, display, and distribute data associated with project water management and regulation (water control and quality).
3. Only those costs related to equipment justified in approved Division water management Master plans.

**WORK CATEGORY CODE: 61451 - Real Estate - Land Acquisition and Disposal  
Management Activities, Settlement of Claims, and Audits for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for environmental stewardship features.

1. Planning, appraisal, negotiation, condemnation, relocation assistance, mapping, surveying, title evidence, inspections, closings, audits and temporary permits necessary to acquire or dispose of lands and interests.
2. Real estate payments for acquisition of real property and interests therein.
3. Actions to settle claims, including damage payments arising from claims over the use and occupancy of land, real property and timber in which fee, easements, or lesser interests were not acquired.
4. Administrative costs incurred in connection with timber disposal in support of forest management activities, such as contract administration, and inspection.

**WORK CATEGORY CODE: 61452 - Real Estate - Resolution of Real Estate  
Encroachments for Environmental Stewardship.**

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**WORK CATEGORY DESCRIPTION:** Real Estate - Resolution of Real Estate Encroachments for environmental stewardship features.

Includes all costs for the resolution of all encroachments on project lands, and degradation of public lands and encroachments adversely affecting the intended uses of potentially high use areas; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61453 - Real Estate - Boundary Monumentation and Rectification for Environmental Stewardship.**

**WORK CATEGORY DESCRIPTION:** Real Estate - Boundary Monumentation and Rectification for environmental stewardship features.

Includes all costs to survey and mark boundary lines in support of acquisition; to resurvey or remark boundary lines and place monuments in support of Executive Order actions and disposal actions, and costs to survey and mark boundary lines where not previously completed. Under normal circumstances there will be no work items in the Baseline funding level for this Work Category.

**WORK CATEGORY CODE: 61454 – Real Estate - Boundary and Flowage Easement Inspection, Monitoring and Routine Maintenance for Environmental Stewardship.**

**WORK CATEGORY DESCRIPTION:** Boundary and Flowage Easement Inspection, Monitoring and Routine Maintenance.

Includes all costs for routine, recurring maintenance of boundary and flowage easement monumentation for Corps water resource projects where a natural resources program (NRM staff) occurs. Where no NRM program exists, the primary business line will pay costs related to boundary and flowage easement requirements required for protection of managed stewardship lands or environmentally sensitive areas.

Includes costs for salaries, contracts, supplies, materials, and equipment necessary for surveillance, monitoring, inspections, marking, clearing, identifying, painting, fencing, signage, notifications, or other methodologies of inspecting and maintaining boundary and flowage easement monumentation monitoring.

**WORK CATEGORY CODE: 61460 - Environmental Compliance (Remedial Actions) for Environmental Stewardship.**

**WORK CATEGORY DESCRIPTION:** Environmental Compliance (remedial actions) of Natural Resources including Other Service Facilities for environmental stewardship features.

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Includes all maintenance, repair and remediation costs to comply with applicable Federal laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for natural resources and other environmental stewardship features.

1. Corrective actions related to environmental compliance assessment findings related to ENS activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination resulting from ENS activities.
3. Treatment system installation, repair or renovation, erosion protection of structures or pool, responding to spills from ENS facilities.
4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from ENS activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61461 - Maintenance of Natural Resources Mitigation Features for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Maintenance of Natural Resources Mitigation Features for Environmental Stewardship. This Work Category only includes costs during the mitigation effort. This work category code is only for mitigation not related to impacts of other business lines. Mitigation related impacts from Navigation, Flood Risk Management and Hydropower shall be charged to the mitigation WCC under the respective business line.

Includes all costs for the maintenance and repair of natural resources mitigation features to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document, to offset unavoidable natural resources and ecological losses caused by an Environmental Stewardship project or activities.

**WORK CATEGORY CODE: 61491 – Facility Physical/Cyber Security Maintenance and Replacement for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Maintenance and Replacement for Environmental Stewardship features.

Includes all costs to maintain and replace structural improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs to maintain, repair or replace permanent or temporary barriers, fencing, traffic signs, lighting, and communications equipment.
2. Costs to maintain, repair or replace intrusion detection systems such as video surveillance

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equipment and cameras, and automated access control systems, control system patching and updates, and system baseline maintenance.

3. Costs to maintain, repair or replace system continuous monitoring, system software maintenance agreements necessary to maintain authorization and address revealed vulnerabilities.
4. Costs for cyber asset lifecycle replacements or replacements due to failure.

**WORK CATEGORY CODE: 61492 – Facility Security Physical/Cyber Improvements and Modifications for Environmental Stewardship.**

WORK CATEGORY DESCRIPTION: Facility Security – Physical and Cyber Improvements and Modifications for Environmental Stewardship features.

Includes all costs for engineering and design, and to acquire and install structural improvements, modifications and physical improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs for permanent or temporary barriers, fencing, traffic signs, lighting, communications equipment, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems.
2. Costs associated with cyber asset replacements to strengthen security posture, asset purchases to improve system performance or meet security mandates associated with securing industrial control, data acquisition and/or water quality and/or treatment systems and fish barriers.

**WORK CATEGORY CODE: 61511 - Maintenance of Recreation Features.**

WORK CATEGORY DESCRIPTION: Maintenance of Recreation areas and Facilities, Service Facilities – (Buildings, Grounds, Utilities, Roads and Bridges), Erosion Control in Recreation Areas, and Maintenance and Purchase of Permanent Operating Equipment for recreation features.

Includes all costs for the maintenance and repair, replacement, additions and efficiency improvements to, or retirement of, recreation facilities and structures for recreation:

1. Grills, tables, playgrounds, trails, campgrounds, picnic areas, restrooms, showers, boat ramps, parking areas, roads, grounds, utilities associated with recreation use, buildings used for recreation purposes or the collection of fees and other structures used to support the recreation function.
2. Realignment, overlay, grading, and widening, of roads, parking areas, bridges and walkways associated with recreational development.
3. Control of erosion endangering recreational areas or facilities, including seeding, sodding, riprap, gabions, vegetation, retaining walls and other measures.
4. Permanent operating equipment such as backhoe, trencher, bucket truck, tractor loader,

vehicles, communications equipment, and computers used to support the recreation function of the project.

5. Spare parts, replacements, additions, special tools, miscellaneous materials and supplies, transportation costs and equipment usage, and costs to bring facilities up to modern design standards and to provide accessibility for persons with disabilities as required.
6. New recreation facilities, if the goal of providing quality public recreation experiences with the most cost efficient management of water resources development projects can be met.

**WORK CATEGORY CODE: 61513 – Maintenance for Recreation - Cost Shared Recreation Developments.**

WORK CATEGORY DESCRIPTION: Cost Shared Recreation Developments - Contracts and Negotiations.

Includes all recreation cost share agreements and contract costs; costs to reimburse local sponsors; and costs for monitoring and negotiating agreements related to cost sharing.

**WORK CATEGORY CODE: 61514 – Maintenance for Recreation - Maintenance of Visitor Centers.**

WORK CATEGORY DESCRIPTION: Maintenance of Visitor Centers for recreation features.

Includes all costs for the maintenance and repair, replacement, additions and efficiency improvements to, or retirement of, visitor center buildings, displays, audiovisual systems, heating and cooling systems, landscaping, grounds, exhibits and utilities. Also includes costs for spare parts, replacements, additions special tools, miscellaneous materials and supplies, transportation costs and equipment usage.

**WORK CATEGORY CODE: 61515 – Maintenance for Recreation - Modernization of Recreation Features.**

WORK CATEGORY DESCRIPTION: Modernization of Recreation Features.

Work should be included in this Work Category Code (WCC) if the primary reason for the work is to update existing facilities to meet current guidelines and user needs, as well as modifying facilities and services to improve efficiency and effectiveness. Includes:

1. Refurbishment, modernization, replacement or additions for modernization to recreation facilities and structures such as trails, campgrounds, picnic areas, restrooms, showers, boat ramps, parking areas, roads, grounds, utilities associated with recreation use, buildings used for recreation purposes or the collection of fees and other structures used to support the recreation function.
2. Spare parts, replacements, additions, special tools, miscellaneous materials and supplies,

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transportation costs and equipment usage, and costs to bring facilities up to modern design standards and to provide accessibility for persons with disabilities as required.

3. E&D and P&S for the Recreation Modernization Program.

**WORK CATEGORY CODE: 61516 – Maintenance for Recreation - Maintenance for the Recreation Infrastructure Investment Strategy (RIIS).**

WORK CATEGORY DESCRIPTION: Maintenance of Recreation areas and Facilities, Service Facilities (Buildings, Grounds, Utilities, Roads and Bridges), Erosion Control in Recreation Areas, and Maintenance and Purchase of Permanent Operating Equipment for recreation features for the Recreation Infrastructure Investment Strategy (RIIS).

Work should be included in this Work Category Code (WCC) if the primary reason for the work is to update existing facilities to meet current RIIS guidelines and user needs, as well as modifying facilities and services to improve efficiency and effectiveness. Includes:

1. Renovation, replacement, improve or additions to recreation facilities and structures such as trails, campgrounds, picnic areas, restrooms, showers, boat ramps, parking areas, roads, grounds, utilities associated with recreation use, buildings used for recreation purposes or the collection of fees and other structures used to support the recreation function.
2. Spare parts, replacements, additions, special tools, miscellaneous materials and supplies, transportation costs and equipment usage, and costs to bring facilities up to modern design standards and to provide accessibility for persons with disabilities as required.
3. E&D and P&S for RIIS related work.

**WORK CATEGORY CODE: 61551 - Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for Recreation.**

WORK CATEGORY DESCRIPTION: Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits for recreation features.

Includes all costs for planning, appraisal, negotiation, condemnation, relocation assistance, mapping surveying, title evidence, inspection, closing, audits and temporary permits necessary to acquire or dispose of lands and interests that support the recreational features of a project.

**WORK CATEGORY CODE: 61552 - Real Estate - Resolution of Real Estate Encroachments for Recreation.**

WORK CATEGORY DESCRIPTION: Real Estate - Resolution of Real Estate Encroachments for recreation features.

Includes all costs for the resolution of all encroachments on projects lands classified for recreational use and degradation of public lands and encroachments adversely affecting the

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recreational use of the project; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61553 - Real Estate - Boundary Monumentation and Rectification for Recreation.**

WORK CATEGORY DESCRIPTION: Real Estate – Boundary Monumentation and Rectification for recreation features.

Includes all costs to survey and mark boundary lines in support of acquisition; to resurvey or remark boundary lines and place monuments in support of Executive Order actions and disposal actions, and costs to survey and mark boundary lines where not previously completed on lands classified for recreational use at a project.

**WORK CATEGORY CODE: 61560 - Environmental Compliance (ERGO) Maintenance for Recreation.**

WORK CATEGORY DESCRIPTION: Environmental Compliance (ERGO) Maintenance for Recreation Features.

Includes all maintenance, repair and remediation costs to comply with applicable Federal environmental laws and regulations, including the Safe Drinking Water Act, Resource Conservation and Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for recreation facilities and visitor centers.

1. Corrective actions related to environmental compliance assessment findings related to REC activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination resulting from REC activities.
3. Treatment system installation, repair or renovation, erosion protection of structures or pool, responding to spills from REC facilities.
4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from REC activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61561 - Maintenance of Mitigation Features for Recreation.**

WORK CATEGORY DESCRIPTION: Maintenance of Mitigation Features for recreation features.

Includes all costs for the maintenance of authorized mitigation features including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document. This Work Category does not include

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acquisition costs.

**WORK CATEGORY CODE: 61562 – Maintenance of Threatened and Endangered Species Features for Recreation.**

WORK CATEGORY DESCRIPTION: Maintenance of Threatened and Endangered Species Features for recreation features.

Includes all maintenance costs for the Threatened and Endangered Species infrastructure or other assets. Includes costs for salaries, contracts, supplies, materials, and equipment to maintain existing features designed to meet requirements of the Endangered Species Act such as infrastructure constructed to meet reasonable and prudent alternatives within a biological opinion and other ESA requirements.

**WORK CATEGORY CODE: 61563 – Pest and Invasive Species Maintenance for Recreation.**

WORK CATEGORY DESCRIPTION: Pest and Invasive Species Maintenance for recreation features.

Includes all costs for integrated pest maintenance and control activities for supporting the Recreation Function. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Recreation mission. Examples may include removal or control of zebra and quagga mussels from recreation infrastructure, maintenance of boat cleaning stations, herbicide and aquatic and terrestrial vegetation removal, pesticide or removal of exotic or invasive pests, and maintenance of electric fish barriers.

**WORK CATEGORY CODE: 61610 - Joint Activities for Maintenance excluding Dredging, FERC #541, #542, #543, #544 and #545.**

WORK CATEGORY DESCRIPTION: Joint costs for Maintenance activities NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply. These activities include maintenance of Dams, Reservoirs, Levees, Floodwalls, Hurricane Barriers, and Other Control Structures; Snagging, Clearing, Aquatic Plant Removal, Rock and Other Debris Removal, and Other Non-Dredging Channel Maintenance; Pumping Plants, Other Service Facilities (Buildings, Grounds, Utilities, and Roads, Railroads and Bridges), Gates, Conduits, Maintenance and Purchase of Permanent Operating Equipment, etc. excluding dredging.

1. Maintenance and repair or replacement of Joint facilities and components.
2. Bridge maintenance & repair.

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3. Hydraulic steel structure safety repairs & maintenance work.
4. Additions and efficiency improvements to, or retirement of Joint components.
5. Spare parts, replacements, additions, special tools, miscellaneous supplies and materials.
6. Contract preparation for maintenance activities.
7. Contract administration and quality assurance.
8. transportation costs and other costs required to perform this maintenance function.
9. Purchase of permanent operating equipment for non-Water Management activities.
10. Stilling basin dewatering and repair.

**WORK CATEGORY CODE: 61621 - Joint Activities for Dredging, FERC #543.**

WORK CATEGORY DESCRIPTION: Joint costs for Dredging of Channels and Canals NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply. These activities include all disposal activities such as confined, open water, beach, wetland creation, aquatic habitat creation, etc.

1. Dredging, excavation and disposal activities for the maintenance and efficiency improvements of channels and canals for Joint purposes.
2. Dredging surveys and required real estate activities, E&D, S&A, etc.
3. Environmental clearances to perform the associated dredging.
4. Disposal of dredged materials in confined disposal facilities, open water, sand on beaches, creation or restoration of wetlands or other aquatic habitat using dredged material; and creation of land using dredged material.
5. Spare parts, special tools, miscellaneous materials and supplies, transportation, disposal, and equipment for Joint dredging.

**WORK CATEGORY CODE: 61622 - Joint Activities for Dredging - Construction and Maintenance of Dredged Material Disposal Facilities, FERC #543.**

WORK CATEGORY DESCRIPTION: Joint costs for the Construction and Maintenance of Disposal Facilities for Dredged Materials NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs for the construction and the maintenance of disposal facilities, including confined disposal facilities, for dredged materials. Also includes related joint costs for spare parts, replacements, special tools, miscellaneous materials and supplies, transportation and equipment usage.

**WORK CATEGORY CODE: 61630 - Joint Activities for Dam Safety Remediation of Deficiencies.**

WORK CATEGORY DESCRIPTION: Joint costs for Remediation of Safety Deficiencies for Dams, Levees and Other Structures NOT specific to Navigation, Flood Risk Management,

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Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all direct costs for the non-routine repair, replacement and corrections to all dams included in the National Inventory of Dams plus any levees, diversion structures and related appurtenances maintained at Federal expense to remediate dam safety deficiencies. Includes related costs for contracts, parts, replacements, special tools, supplies and materials, government plant, hired labor to include contract support, transportation costs and other costs required to perform this work. Specifically, this includes non-routine maintenance and/or repair work for dams and pertinent structures and levees that have either been identified by any means as having a Dam Safety Deficiency or has been concurred to be deficient by the District Commander, his appointed Dam Safety Officer or District Dam Safety Program Manager. Dam Safety maintenance or repair work may be identified by any means such as a study, criteria review, or any scheduled or unscheduled inspection. Non-routine repair, replacement, and corrections for dam safety plans and specifications shall be approved by the Dam Safety Modification Mandatory Center of Expertise (DSMMCX). Only the actual work to include the associated plans and specifications (P&S), engineering and design (E&D) for the repairs or remedial corrections will be included in this Work Category Code as appropriate. For those business programs that do not specifically have a Work Category Code for Dam Safety (61130, 61230 and 61330) yet may encounter dam safety related work, the costs should be included in the primary business program for that project. Costs are only included in this Work Category Code if they meet the above definition for Dam Safety.

**WORK CATEGORY CODE: 61640 - Joint Activities for Water Management Equipment, FERC #542.**

WORK CATEGORY DESCRIPTION: Joint costs for the Purchase and Maintenance of Water Management (Control and Quality) Equipment NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

1. Purchase of new or replacement hardware, software, and equipment (upgrades, betterments, or expansion).
2. Maintenance of existing equipment used to acquire, process, display, and distribute data associated with project water management and regulation (water control and quality).
3. Only those costs related to equipment justified in approved Division water management Master plans.

**WORK CATEGORY CODE: 61651 - Joint Activities for Real Estate - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits, FERC #545.**

WORK CATEGORY DESCRIPTION: Joint costs for Real Estate activities - Land Acquisition and Disposal Management Activities, Settlement of Claims, and Audits NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

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1. Planning, appraisal, negotiation, condemnation, relocation assistance, mapping, surveying, title evidence, inspections, closings, audits and temporary permits necessary to acquire or dispose of lands and interests.
2. Real estate payments for acquisition of real property and interests therein.
3. Actions to settle claims, including damage payments arising from claims over the use and occupancy of land, real property and timber in which fee, easements, or lesser interests were not acquired.
4. Administrative costs incurred in connection with timber disposal in support of forest management activities, such as contract administration, and inspection.

**WORK CATEGORY CODE: 61652 - Joint Activities for Real Estate - Resolution of Real Estate Encroachments, FERC #545.**

WORK CATEGORY DESCRIPTION: Joint costs for Real Estate activities - Resolution of Real Estate Encroachments NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs for the resolution of all encroachments on project lands, and degradation of public lands and encroachments adversely affecting the intended uses of potentially high use areas; including investigation, acquisition, disposal, and out-granting.

**WORK CATEGORY CODE: 61653 - Joint Activities for Real Estate - Boundary Monumentation and Rectification, FERC #545.**

WORK CATEGORY DESCRIPTION: Joint costs for Real Estate activities - Boundary Monumentation and Rectification NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all joint costs to survey and mark boundary lines in support of acquisition; to resurvey or remark boundary lines and place monuments in support of Executive Order actions and disposal actions; and costs to survey and mark boundary lines where not previously completed.

**WORK CATEGORY CODE: 61660 - Joint Activities for Environmental Compliance (Remedial Actions), FERC #545.**

WORK CATEGORY DESCRIPTION: Joint costs for Environmental Compliance (remedial actions) NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply. These activities include actions for Dams, Levees, Other Control Structures, Pumping Plants and Other Project Facilities.

Includes all joint costs maintenance, repair and remediation costs to comply with applicable Federal laws and regulations, including the Safe Drinking Water Act, Resource Conservation and

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Recovery Act (RCRA), Clean Air Act, Hazardous Materials Transportation Act, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), EO 13148, and applicable state and local regulations for dams, reservoirs, levees, other control structures, pumping plants and other joint use project facilities.

1. Corrective actions related to environmental compliance assessment findings related to Joint activities.
2. Environmental compliance coordination and administration, contaminant detection, waste analysis, site investigations, site remediation of recent and past releases or contamination resulting from Joint activities.
3. Treatment system installation, repair or renovation, erosion protection of structures or pool, responding to spills from Joint facilities.
4. Disposal of unclaimed barrels or containers.
5. Pesticide or chemical release response and clean-up that result from Joint activities on Corps or outgranted lands.

**WORK CATEGORY CODE: 61661 – Joint Activities for Maintenance of Mitigation Features.**

WORK CATEGORY DESCRIPTION: Joint Costs for Maintenance of Mitigation Features NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all costs for the maintenance of authorized mitigation features including costs to comply with mitigation requirements specified in Federal law, Congressional legislation, or in HQ approved project authorization decision document. This Work Category does not include acquisition costs.

**WORK CATEGORY CODE: 61662 – Joint Activities for Maintenance of Threatened and Endangered Species Features.**

WORK CATEGORY DESCRIPTION: Joint Costs for Maintenance of Threatened and Endangered Species Features NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all maintenance costs for the Threatened and Endangered Species infrastructure or other assets. Includes costs for salaries, contracts, supplies, materials, and equipment to maintain existing features designed to meet requirements of the Endangered Species Act such as infrastructure constructed to meet reasonable and prudent alternatives within a biological opinion and other ESA requirements.

**WORK CATEGORY CODE: 61663 – Joint Activities for Pest and Invasive Species Maintenance.**

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**WORK CATEGORY DESCRIPTION:** Joint Costs for Pest and Invasive Species Maintenance  
NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship,  
Recreation or Water Supply.

Includes all costs for management and operation to support integrated pest maintenance activities for Joint activities. Includes costs of salaries, contracts, supplies, materials, and equipment to control pests, invasive exotic species, noxious weeds and animals. Includes activities undertaken to control or eradicate invasive species from impacting infrastructure or operation of the Joint mission. Examples may include removal or control of zebra and quagga mussels from infrastructure such as intakes, pipes and screens, herbicide and of aquatic and terrestrial vegetation, pesticide of exotic or invasive pests, and maintenance of electric fish barriers.

**WORK CATEGORY CODE: 61691 – Joint Facility Physical/Cyber Security Maintenance and Replacement.**

**WORK CATEGORY DESCRIPTION:** Joint Facility Security – Physical and Cyber Maintenance and Replacement NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all costs to maintain and replace structural improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs to maintain, repair or replace permanent or temporary barriers, fencing, traffic signs, lighting, and communications equipment.
2. Costs to maintain, repair or replace, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems, control system patching and updates, and system baseline maintenance.
3. Costs to maintain, repair or replace system continuous monitoring, system software maintenance agreements necessary to maintain authorization and address revealed vulnerabilities.
4. Costs for cyber asset lifecycle replacements or replacements due to failure.

**WORK CATEGORY CODE: 61692 – Joint Facility Security Physical/Cyber Improvements and Modifications.**

**WORK CATEGORY DESCRIPTION:** Joint Facility Security – Physical and Cyber Improvements and Modifications NOT specific to Navigation, Flood Risk Management, Hydropower, Environmental Stewardship, Recreation or Water Supply.

Includes all costs for engineering and design, and to acquire and install structural improvements, modifications and physical improvements for facility protection and security related to criminal and terrorist activities. Includes:

1. Costs for permanent or temporary barriers, fencing, traffic signs, lighting, communications equipment, intrusion detection systems such as video surveillance equipment and cameras, and automated access control systems.
2. Costs associated with cyber asset replacements to strengthen security posture, asset purchases to improve system performance or meet security mandates associated with securing industrial control, data acquisition and/or water quality and/or treatment systems.

**WORK CATEGORY CODE: 61810 - Maintenance for Water Supply.**

WORK CATEGORY DESCRIPTION: Maintenance of Project Gates, Water Supply Conduits, Permanent Operating Equipment, etc. for water supply features

1. Maintenance and repair, replacement of WTR facilities and components.
2. Additions and efficiency improvements to, or retirement of, WTR components.
3. Spare parts, replacements, additions, special tools, miscellaneous supplies and materials.
4. Contract preparation for maintenance activities.
5. Contract administration and quality assurance.
6. Transportation costs and other costs required to perform this maintenance function
7. Purchase of permanent operating equipment for non-Water Management activities.

**WORK CATEGORY CODE: 61821 – Sediment Removal Activities for Water Supply.**

WORK CATEGORY DESCRIPTION: Sediment removal for water supply activities including all placement activities for water supply features.

1. Sediment removal, excavation and disposal activities for the maintenance and efficiency improvements of channels and canals for WTR purposes.
2. Surveys and required real estate activities, E&D, S&A, etc.
3. Environmental clearances to perform the associated sediment removal activities.
4. Placement of materials in confined disposal facilities, open water, sand on beaches, creation or restoration of wetlands or other aquatic habitat using dredged material; and creation of land using material.
5. Spare parts, special tools, miscellaneous materials and supplies, transportation, disposal, and equipment for WTR sediment removal.

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APPENDIX 2 - CEFMS Report and Examples

APPENDIX 2 - CEFMS Report and Examples

**Running the O&M Detail Cost Report  
to determine Cost by Business Line**

The National O&M Cost Review Team has developed two new reports that can be run in CEFMS, to help us determine our costs by Business Line, Work Category Codes (WCC), Resource Code, etc. This will help us keep track of where costs are hitting, and is based on the cost tables, so it's real-time data. Please keep in mind, both of these reports are on expenditures, not obligations.

To run the report, follow these steps:

Enter CEFMS. Select Financial Management Functions (1), Financial Management (3), Reports (18).

Select Civil Reports. Scroll to the bottom of the report list. There are two Reports listed:

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APPENDIX 2 - CEFMS Report and Examples

Huntington District CEFMS - FOR OFFICIAL USE ONLY (FOUO)

Action Edit Block Field Record Query Help Window

v2.1.14 Report Selection Menu 16.000

CIVIL REPORTS

Report Title	Report ID
MULTI PURPOSE REPORTS	{submenu}
BUDGET VS ACTUAL OBLIGATIONS	{submenu}
YEAR END EDIT - UNREGISTERED COST SHARE ACCOUNTS	preshare
YEAR END EDIT - UNDISTRIBUTED ADVANCE ACCOUNTS	predistr
YEAR END EDIT - ADV ACCOUNTS THAT HAVE NO REGISTERED AMTS	preadvnc
INTRA-GOVERNMENTAL PAYMENT AND COLLECTION (IPAC) EXTRACT	ipac
IPAC RECON REPORT	ipacreco
RECEIVING REPORTS NOT SUPPORTED BY OBLIGATIONS	rrnoobli
MONTH-END REPORT: CIVIL ADVANCES WITH UNREGISTERED AMOUNTS	precivadv
CIVIL FUNDED O AND M SUMMARY REPORT BY BUSINESS LINE	omcostsum
CIVIL FUNDED O AND M DETAIL REPORT BY BUSINESS LINE - EXCEL	omcostdtlx
YE INTRA-GOVERNMENTAL PAYMENT AND COLLECTION (IPAC) EXTRACT	ipacye

☐ Execute Selection ☐ View Report Descriptions ☐ Exit To CEFMS Menu H1 LRH

☐ Defer Execution

Prev Page Prev Next Query List Save Exit Next Page

FRM-40352: Last record of query retrieved

Record: 40/47

- 1) Civil Funded O and M Summary Report by Business Line (report id omcostsum)
  - a. You can run this report by project (and it will allow you to select multiple projects, so you can run it for your entire area), Business Line, and CCS Code. You can also leave all of the selections blank, and see all LRH projects.
  - b. This is what the report looks like:

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omcostsum.2.1.3 002 SUMMARY OF O&M EXPENDITURES Page: 1  
BY BUSINESS LINE Date: 20-FEB-2014  
H1 - HUNTINGTON DISTRICT

AMSCO	PROJECT NAME	BUSINESS LINE	CCS	TOTAL
000280	ALUM CREEK LAKE, OH	ENVIRONMENTAL STEWARDSHIP	210	10,519.66
		FLOOD RISK MANAGEMENT	210	394,185.99
		RECREATION	210	64,097.41
		WATER SUPPLY	210	8,285.12
		TOTAL FOR AMSCO 000280		477,088.18
001280	BEECH FORK LAKE, WV	ENVIRONMENTAL STEWARDSHIP	210	2,776.64
		FLOOD RISK MANAGEMENT	210	343,432.82
		RECREATION	210	116,406.57
		TOTAL FOR AMSCO 001280		462,616.03
001830	BLUESTONE LAKE, WV	ENVIRONMENTAL STEWARDSHIP	210	20,155.09
		FLOOD RISK MANAGEMENT	210	468,091.43
		NAVIGATION	210	209.71
		RECREATION	210	51,683.94
		TOTAL FOR AMSCO 001830		540,140.17
002270	BURNSVILLE LAKE, WV	ENVIRONMENTAL STEWARDSHIP	210	21,172.34
		FLOOD RISK MANAGEMENT	210	424,502.37
		RECREATION	210	195,872.02
		TOTAL FOR AMSCO 002270		641,546.73
004520	DEER CREEK LAKE, OH	FLOOD RISK MANAGEMENT	210	450,323.60

- 2) Civil Funded O and M Detail Report by Business Line (report id omcostdtlx). This report outputs into Excel, so you can filter on the information more easily.
- There are a lot of options on this report (see screen shot below), or you can run the report with no selections for all costs.

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APPENDIX 2 - CEFMS Report and Examples

The screenshot shows a software window titled "Huntington District CEFMS - FOR OFFICIAL USE ONLY (FOUO)". The menu bar includes "Action", "Edit", "Block", "Field", "Record", "Query", "Help", and "Window". The title bar of the main form is "v2.1.2 O & M Cost Report". The form itself is titled "Civil Funded O and M Detail Report by Business Line - Excel".

Fields and values visible on the form:

- FOA:  HUNTINGTON DISTRICT
- Beginning Month:  Year:  Fiscal Year:
- Ending Month:  Year:
- AMSCO Code:  All AMSCO's will be selected
- Business Line:  CCS Code:
- Appropriation:
- Funding Work Item:  All Funded Work Items will be selected
- Cost Work Item:  All Cost Work Items will be selected
- Org Code:  ALL org codes will be selected
- Resource Code:  ALL resource codes will be selected
- Fund Acct No:
- MOA Code:
- Purpose Code:
- Work Cat Code:  All Work Cat Codes will be selected
- Work Cat Elem Code:  All Work Cat Codes will be selected
- Cost Type:  All Cost Types will be selected

Buttons at the bottom:

Status bar: Pick from list. Record: 1/1

When you click "Run Report," two boxes will appear:

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Appropriation Account by Business Line

APPENDIX 2 - CEFMS Report and Examples

Huntington District CEFMS - FOR OFFICIAL USE ONLY (FOUO)

Action Edit Block Field Record Query Help Window

2012 O & M Cost Report

Civil Funded O and M Detail Report by Business Line - Excel

FOA: H1 HUNTINGTON DISTRICT

Beginning Month: 10 Year: 2013 Fiscal Year: 2014

Ending Month: 02 Year: 2014

AMSCO Code: All AMSCO's will be selected Mitof AMSCO Codes

Business Line: Forms

Appropriation: 096

Funding Work Item:

Cost Work Item:

Org Code:

Resource Code:

Fund Acct No:

MOA Code:

Purpose Code:

Work Cat Code: All Work Cat Codes will be selected

Work Cat Elem Code: All Work Cat Codes will be selected

Cost Type: All Cost Types will be selected

Run List Exit

Pick from list

Record: 1/1

Click "yes" here.

Huntington District CEFMS - FOR OFFICIAL USE ONLY (FOUO)

Action Edit Block Field Record Query Help Window

2012 O & M Cost Report

Civil Funded O and M Detail Report by Business Line - Excel

FOA: H1 HUNTINGTON DISTRICT

Beginning Month: 10 Year: 2013 Fiscal Year: 2014

Ending Month: 02 Year: 2014

AMSCO Code: All AMSCO's will be selected Mitof AMSCO Codes

Business Line: Forms

Appropriation: 096

Funding Work Item:

Cost Work Item:

Org Code:

Resource Code:

Fund Acct No:

MOA Code:

Purpose Code:

Work Cat Code: All Work Cat Codes will be selected

Work Cat Elem Code: All Work Cat Codes will be selected

Cost Type: All Cost Types will be selected

Run List Exit

Pick from list

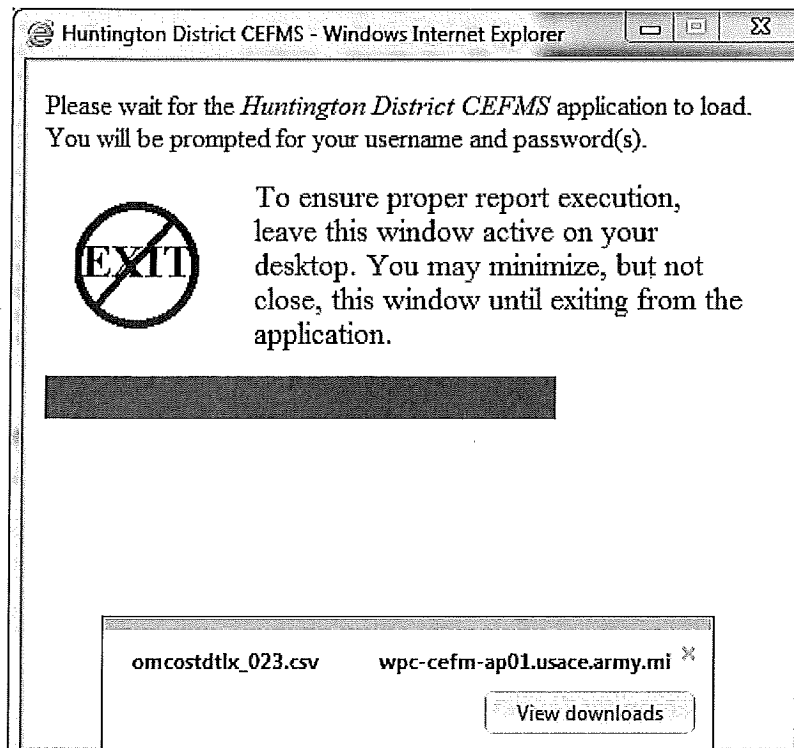
Record: 1/1

Click "ok" here.

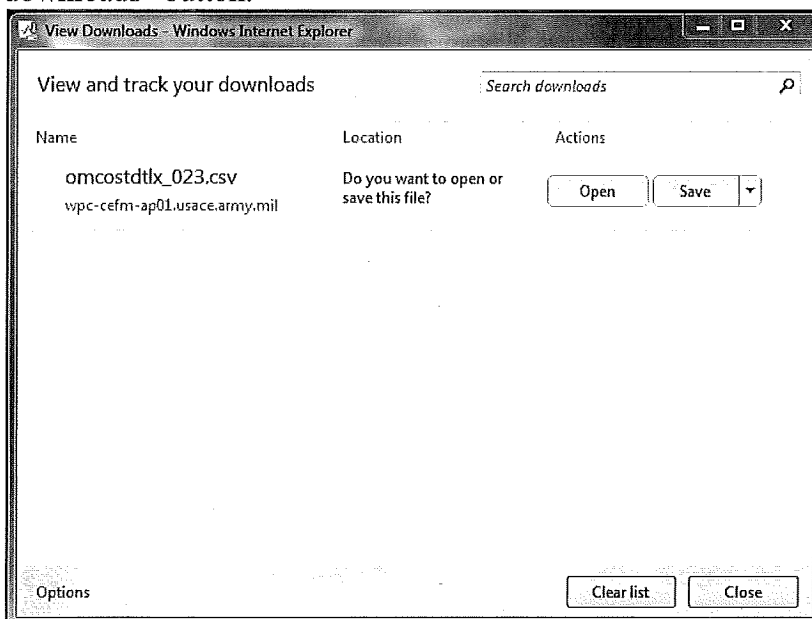
CECW-CO

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APPENDIX 2 - CEFMS Report and Examples



The download will appear in the “do not close” window of CEFMS. Please click the “View downloads” button.



This window displays your downloads. Click “open” on the most recent file that includes “omcostdtlx” in the file name.

## CECW-CO

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Menu	Insert	Pay/Load	Formulas	Data	Filter	Sort	Sublist	Approval	Account																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
File	Edit	Format	Window	Help	Print	Save	Undo	Redo	Copy	Paste	Find	Replace	Format	Font	Color	Style	Text	Align	Justify	Indent	Margin	Page	Header	Footer	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print	Print</

The report output will look like this. You can create a new tab in this file and set up a pivot table, to analyze the data in the download. Another option is to “filter” the data at the top level, and use the filtering function to filter down to what you would like to see. Please note that currently Business Lines and associated Operation and Maintenance costs can be identified and filtered based on the Work Category Codes (WCC).