

**ATTACHMENT A
PROGRAM DESCRIPTION**

The following “Program Description” is incorporated into the recipient’s IowaGrants.gov account. Cost projections and tasks per quarter considered a starting point. Future modifications to be requested through IowaGrants.gov.

IOWA DEPARTMENT OF HOMELAND SECURITY & EMERGENCY MANAGEMENT

**Deliverables – Activity 172-01 Watershed Planning
Mitigation and Recovery Activities**

Deliverables		Deliverable Goal
Local Flood Risk Assessments (to be incorporated into Enhanced Plan)	Yr4Q4	41
Update Enhanced State Hazard Mitigation Plan with flood risk assessment	Yr3Q1	1
GIS/Data modeling product for Flood Risk Assessments	Yr4Q3	9
Iowa Disaster Recovery Plan with integrated resiliency best practices (IFC)	Yr3Q4	1
Loss Avoidance Results	Yr4Q4	9
Best Practices Guidance for EMAs (<i>Resiliency Strategies Report</i>)	Yr4Q3	1
Local Recovery Plans		Based on resiliency products
Quarterly Reports		20

Disaster Tie-back

GIS technical support is necessary for the development of flood risk data sets. These will be integrated into the local hazard mitigation and disaster resilience planning products. HAZUS runs will be required for the development of this data. The planning flood risk assessment will be used to identify potential risk reduction activities, funding sources, and timelines for implementation. This project identification data pushes forward flood resiliency for these MID-URN communities.

Capacity Building will include the activities and training necessary to inform emergency management personnel and local leaders on disaster resiliency best practices in their communities. These activities include the integration of several planning activities from the IDNR, IDALS, IFC, and others into emergency management planning and implementation work. This comprehensive approach to disaster resiliency at the local level will benefit the MID-URN areas by increasing the capacity and efficiency of services delivered by emergency management stakeholders and partners.

The Flood Mitigation Board has dedicated funding for flood resilient solutions at the local level. These investments in structural solutions will benefit the MID-URN areas and can also be leveraged for future state investment to build resiliency in the most impacted and distressed areas.

311 Outcome Values Projections

- Resilience One Enhanced State Hazard Mitigation Plan

- Resilience One Disaster Recovery Plan

Iowa Homeland Security & Emergency Management – Scope of Work

- GIS Technical Support – Utilizing data from NDR funded hydrology, conducted by the IFC, in target watersheds, and/or newly completed floodplain mapping data, HSEMD will provide GIS technical support needed to incorporate this new data into State and local hazardous mitigation planning.

- Utilize HAZUS modeling software for 1) flood risk assessments and 2) data overlays for analysis and GIS mapping.
- Create GIS/data modeling products as part of flood risk assessments (9) showing:
 - Risks and vulnerability in planning and
 - Identifying assets (property, businesses) at risk in the MID-URN areas of the target watersheds.
- Provide created datasets to County Emergency Management Commissions, in target watershed, to analyze as part of their risk assessments and flood reduction activities.
 - Commissions to provide communities with the data files for integration into their own multi-jurisdictional plan updates.
 - Coordinate with the Emergency Management Commissions and WMAs to support their Disaster Recovery Planning updates.
- Created datasets will be incorporated, by HSEMD, into the state's hazard mitigation and disaster recovery planning documents
 - Flood Risk Assessment is part of the Enhanced State Hazard Mitigation Plan
- Capacity Building through Hazard Mitigation Planning and Technical Support – Provide planning and technical assistance in support of the Enhanced State Hazard Mitigation Plan and local plans for communities in target watersheds, assuring it includes strategies developed as part of the NDR grant.
 - Provide planning and technical support to local emergency management coordinators and commissions to integrate NDR projects into their local mitigation and disaster recovery planning
 - Participate in local engagement activities coordinated by IFC and watershed project coordinators including initial HSEMD and EMA disaster planning events
 - Conduct predictive modeling for flood risk analysis and planning efforts which will be available for the Enhanced State Hazard Mitigation Plan.
 - Update Iowa's Enhanced State Mitigation Plan and Iowa Disaster Recovery Plan
 - In partnership with the IFC, CEA and emergency management staff, develop a *Resiliency Strategies Report* for use in future flood events. Build a model for future watershed improvements and strategies **based on lessons learned** from the implementation of the NDR grant. Staff will also utilize data reported from completed construction projects to compile loss avoidance results in the most impacted and distressed areas. HSEMD will develop a model for future strategic project implementation with multiple funding streams.
- Flood Mitigation Board Technical Assistance – Communicate efforts, as part of the NDR grant, to the Flood Mitigation Board. Identify additional state resources to build resiliency in the most impacted and distressed area
 - The quarterly status of all NDR activities are reported to HUD and posted at <http://www.iowaeconomicdevelopment.com/Community/NDR>
 - Provide semi-annual flood mitigation project status reports in **January** and **July** to the Flood Mitigation Board of the scope of work and expenses incurred for the Dubuque, Storm Lake and Coralville NDR funded projects
 - Identify additional state resources to build resiliency in the most impacted and distressed areas of Dubuque, Storm Lake and Coralville

Planning Cost Projections & Activities per Quarter	\$1,827,352
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Year 1 (\$413,808):
Q-1 \$103,452

- Capacity Building - Identify all disaster recovery and hazard mitigation plans in the Watersheds targeted for planning and implementation work.
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators

- Capacity Building - Begin developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- GIS Technical Support - Review initial inventory of available data sets for flood risk assessment related to hydrology, hydraulics, and structures in the NDR target watersheds.
- GIS Technical Support - Identify potential uses for the GIS data sets and Hazus modeling related to Comprehensive Emergency Management Planning and Project Identification
- Capacity Building - Begin working on the Update for Iowa's Enhanced Mitigation Plan and Iowa Disaster Recovery Plan.
- Capacity Building – Begin development of a model for future strategic project implementation with multiple funding streams. This could be a crosswalk of programs and capabilities. Ultimately placed in the Disaster Recovery and/or Enhanced State Hazard Mitigation Plans.

Q-2 \$103,452

- GIS Technical Support - Identify entities who will work with the GIS data sets and Hazus modeling.
- Capacity Building – Develop guidance on best practices and framework to assist EMA training and potential NDR project development.
- Capacity Building - Participate in local engagement activities coordinated by the Iowa Flood Center and WMAs
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned.
- GIS Technical Support - Perform a GAP analysis for GIS data layers and building inventory related to flood risk Hazus modeling
- Capacity Building - Update Iowa's Enhanced Mitigation Plan and Disaster Recovery Plan as data is collected
- Capacity Building – Continue development of a model for future strategic project implementation with multiple funding streams

Q-3 \$103,452

- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- GIS Technical Support - Develop an approach for gathering improved/new data sets for flood risk assessment, coordinate with partners
- Capacity Building - Begin modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Flood Mitigation Board Technical Assistance - Begin gathering information regarding NDR efforts for the Flood Mitigation Board through meeting materials and progress reports.
- GIS Technical Support - Perform a GAP analysis on technical skills sets of eventual end users of the GIS/HAZUS modeling outputs

Q-4 \$103,452

- GIS Technical Support - Begin HAZUS runs for jurisdictions.
- Capacity Building - Begin providing planning and technical support to county EMAs to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- GIS Technical Support - Begin Incorporating datasets into state's hazard mitigation and disaster recovery planning
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the Enhanced State Hazard Mitigation Plan

- Flood Mitigation Board Technical Assistance - Begin Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the Flood Mitigation Board on results.
- Capacity Building - Continue developing a model for future strategic project implementation with multiple funding stream
- Submit Annual Report

Year 2 (\$452,868):

Q-1 \$113,217

- GIS Technical Support – Coordinate with watershed management authorities to integrate updated data sets into their work for long-term resilience
- GIS Technical Support - Continue HAZUS modeling.
- Capacity Building - Continue incorporating datasets into state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMAs to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Update Iowa's Enhanced State Hazard Mitigation Plan and Iowa Disaster Recovery Plan
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Continue developing a model for future strategic project implementation with multiple funding stream
- Flood Mitigation Board Technical Assistance - Continue gathering information regarding NDR efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-2 \$113,217

- GIS Technical Support - Continue HAZUS modeling. Begin providing data sets and HAZUS modeling to communities for analysis as part of risk assessments and flood reduction activities
- GIS Technical Support - Continue incorporating datasets into state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Update Iowa's Enhanced Mitigation Plan and Iowa Disaster Recovery Plan
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Begin utilizing data reported from completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Capacity Building - Continue developing a model for future strategic project implementation with multiple funding stream
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the Flood Mitigation Board on results.

Q-3 \$113,217

- GIS Technical Support - Continue HAZUS modeling. Continue providing data sets and HAZUS modeling to communities for analysis as part of risk assessments and flood reduction activities
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning

- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Update Iowa's Enhanced Mitigation Plan and Iowa Disaster Recovery Plan
- Capacity Building - Continue developing Resiliency Strategies Report for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Begin utilizing data reported from completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Capacity Building - Share best practices with state, federal, and private entities for future strategic project implementation with multiple funding streams. Incorporate feedback as needed.
- Flood Mitigation Board Technical Assistance - Continue gathering information regarding NDR efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-4 \$113,217

- Capacity Building - Continue developing a model for future strategic project implementation with multiple funding stream
- Begin examining gaps for implementation of resiliency, document these unmet needs for future outreach/project
- GIS Technical Support - Continue HAZUS modeling. Continue providing data sets and HAZUS modeling to communities for analysis as part of risk assessments and flood reduction activities
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Continue utilizing data reported from completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Capacity Building - Share model for future strategic project implementation with multiple funding streams. Incorporate feedback as needed.
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the Flood Mitigation Board on results.
- Submit Annual Report

Year 3 (\$282,492)

Q-1 \$68,098

- GIS Technical Support - Continue HAZUS modeling. Continue providing data sets and HAZUS modeling to communities for analysis as part of risk assessments and flood reduction activities
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Post the Hazard Mitigation Plan to HSEMD's website, which includes the flood risk assessment.
- Capacity Building - Continue developing Resiliency Strategies Report for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDRC lessons learned
- Capacity Building - Continue utilizing data reported from completed NDRC projects to compile loss avoidance results in most impacted and distressed areas

- Capacity Building - Share model for future strategic project implementation with multiple funding streams. Incorporate feedback as needed.
- Continue gathering information regarding NDRC efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-2 **\$68,098**

- Capacity Building – Continue to develop model for future strategic project implementation with multiple funding streams. Incorporate feedback as needed.
- GIS Technical Support - Begin providing support to communities as they integrate their data sets into their resiliency planning and project documents. Evaluate HAZUS runs, determine if more work is needed or if complete.
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDRC projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDRC lessons learned
- Capacity Building - Continue utilizing data reported from completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Post model for incorporation into planning mechanisms.
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the Flood Mitigation Board on results.

Q-3 **\$68,098**

- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning.
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Continue utilizing data reported from completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Flood Mitigation Board Technical Assistance - Continue gathering information regarding NDR efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-4 **\$78,198**

- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning and project documents
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDRC projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Capacity Building - Post Iowa Disaster Recovery Plan to HSEMD's website.

- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDR lessons learned
- Capacity Building - Continue utilizing data reported from completed NDRC projects to compile loss avoidance results in most impacted and distressed areas
- Begin tracking integration of model for project development
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the Flood Mitigation Board on results.
- Submit Annual Report

Year 4 (\$355,792):

Q-1 \$88,948

- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning and project documents
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDRC projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Hold Quarterly Meeting with the State Hazard Mitigation Team (SHMT, as established by Iowa Executive Order 62) updating the Hazard Mitigation Plan with new disaster data sets
- Capacity Building - Finalize data collection completed NDR projects to compile loss avoidance results in most impacted and distressed areas
- Begin tracking integration of model for project development
- Flood Mitigation Board Technical Assistance - Continue gathering information regarding NDR efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-2 \$88,948

- Capacity Building - Continue writing *Resiliency Strategies Report* for use in future flood events.
- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning documents
- GIS Technical Support - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDRC projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- GIS Technical Support - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Hold Quarterly Meeting with the State Hazard Mitigation Team, updating the Hazard Mitigation Plan with new disaster data sets
- Capacity Building - Continue developing *Resiliency Strategies Report* for use in future flood events. Work with IFC and EMAs to build a model for future watershed improvements and strategies based on NDRC lessons learned
- Capacity Building - Post Final Drafts of Loss Avoidance Studies for project management review.
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the State Board on results.

Q-3 \$88,948

- Capacity Building – Complete and post *Resiliency Strategies Report* for use in future flood events.
DELIVERABLE

- GIS Technical Support - Start reporting on the rate of HAZUS modeling and data set integrating into local planning documents. Continue providing support to communities as they integrate their data sets into their resiliency planning documents.
- GIS Technical Support - Complete data integration into the State Hazard Mitigation and Disaster Recovery Planning documents
- Capacity Building - Document the technical assistance provided and location of planning information for future use.
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Complete modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Hold Quarterly Meeting updating the Hazard Mitigation Plan with new disaster data sets
- Capacity Building - Post Final Loss Avoidance Studies and incorporate them in the Enhanced State Hazard Mitigation and Disaster Recovery Plans.
- Flood Mitigation Board Technical Assistance - Continue gathering information regarding NDRC efforts for the Flood Mitigation Board through meeting materials and progress reports.

Q-4 **\$88,948**

- Complete report on Flood Risk Assessment data integrating into local planning documents.
- GIS Technical Support - Complete packaging of information for use by the County EMAs.
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Complete inventory of datasets used in 2018 and 2023 plan updates.
- Hold Quarterly Meeting with the State Hazard Mitigation Team updating the Hazard Mitigation Plan with new disaster data sets
- Capacity Building - Provide Updated Plans and Reports to the State Library.
- Flood Mitigation Board Technical Assistance - Provide the Flood Mitigation Board a final report on opportunities for disaster resilience.
- Project Management Team determines appropriate locations for posting materials after program completion.
- Submit Annual Report

Year 5 (\$322,392):

Q-1 **\$80,598**

- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning and project documents
- Capacity Building - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDR projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Capacity Building - Continue modeling for flood risk analysis and planning efforts which will be available for the State Hazard Mitigation Plan
- Hold Quarterly Meeting with the State Hazard Mitigation Team updating the Hazard Mitigation Plan with new disaster data sets

Q-2 **\$80,598**

- GIS Technical Support - Continue providing support to communities as they integrate their data sets into their resiliency planning documents
- Capacity Building - Continue incorporating datasets into the state's hazard mitigation and disaster recovery planning
- Capacity Building - Continue providing planning and technical support to county EMA to integrate NDRC projects into local mitigation and disaster recovery planning
- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators

- Hold Quarterly Meeting with the State Hazard Mitigation Team updating the Hazard Mitigation Plan with new disaster data sets
- Flood Mitigation Board Technical Assistance - Continue Identifying additional state federal and/or local resource opportunities to build resiliency in the most impacted and distressed area. Report to the State Board on results.

Q-3 \$80,598

- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Hold Quarterly Meeting with the State Hazard Mitigation Team updating the Hazard Mitigation Plan with new disaster data sets

Q-4 \$80,598

- Capacity Building - Participate in local engagement activities coordinated by IFC and watershed project coordinators
- Hold Quarterly Meeting with the State Hazard Mitigation Team updating the Hazard Mitigation Plan with new disaster data sets

Deliverables – Activity 181 Administration

Deliverables	Deliverable Goal
Communications Coordination Plan	1
Process to document & track eligible supporting leverage	1
Quarterly Reporting of specific Supporting Leverage	20
IWA Website Hosting	1
Annual MID-URN maps showing location of installed practices in each watershed.	40
BCA validation with constructed project benefits if requested	Only if requested by IEDA/HUD

Iowa Homeland Security & Emergency Management – Scope of Work

The Iowa Department of Homeland Security & Emergency Management will facilitate high-level communications with state Directors and Representatives of the Governor’s Office; HSEMD will host periodic meetings with designees of state agencies and universities who are conducting planning activities under the NDRC grant.

Administrative activities include:

- Coordinate the scheduling of meeting facilities
- Determine locations
- Develop agendas
- Provide administrative support including reporting on meeting outcomes
- Develop communication and outreach strategies on how to effectively communicate the NDRC grant to the public, stakeholders, and leveraged partners.
- Ensure Partners are consistent in defining resiliency as related to IWA projects, plans, communications and provide recovery-based input to supplement definitions where needed.
- Host website to provide information such as:
 - Progress reporting on activities planned in watersheds
 - Posting materials developed by entities conducting planning activities
 - Social media tools
 - 2-page talking points for the group
 - Links to other pages and websites
- Determine how efforts as part of the NDRC grant will be communicated to the Water Resources Coordinating Council (WRCC)
- Engage private and non-profit stakeholders to identify areas of collaboration and funding streams for current and future projects. Provide outreach/education.

- Coordinate meetings as needed with entities (Stakeholders) that provided supporting leverage commitment letters for the NDR Application:
 - Develop a process to document and track firmly committed supporting leverage activities and dollars identified in the NDR Application.
 - Process to collect, document eligibility and track supporting leverage will be developed and quarterly reports submitted to IEDA through IowaGrants.gov. Only supporting leverage HSEMD documents as meeting the requirements of the NOFA will be reported.
 - IEDA project managers will document and track direct and supporting leverage via subrecipients contracts with IEDA: City of Dubuque, IDNR, IDALS, University of Iowa, Iowa City, Coralville and Storm Lake via IEDA subrecipient contract reporting with these entities. Subrecipients will report through IowaGrants.gov
 - Process will report on financial commitments and supporting activities as they are realized through the grant period
 - Coordinate the scheduling of meetings and facilities as needed.
 - Determine locations
 - Provide logistical support
 - Develop agendas
 - Provide administrative support including report on meeting outcomes
- Maintain all data presented in the NDR Phase 1 and Phase 2 applications including GIS data, maps and BCA calculations for the duration of the grant. Act as a data resource to IEDA related to HUD Inspector General or HUD-NDR monitoring requests; confirming watershed construction activities are occurring in the most impacted and distressed areas identified in the applications; recalculation of BCA if requested by IEDA/HUD.
 - Confirm watershed construction activities are occurring in the most impacted and distressed areas identified in the applications
 - Define, design and develop MID-URN mapping data sources, data collection methodology, cataloging and archiving techniques and map format.
 - BCA calculations
 - Data required from sub-recipients (Dubuque, Storm Lake, Coralville and WMAs) to perform BCA calculations only if requested by IEDA/HUD
 - Annually, update maps for each watershed showing location in the MID-URN areas of construction practices.
 - Act as a data resource to IEDA as requested

Administrative Cost Projections & Activities Per Quarter	\$347,400
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Year 1 (\$86,624):

Q-1 \$21,656

- Coordinate project management team meetings as needed
- Begin to update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Review and update the Q&A document and program fact page
- Develop Draft Communications Plan
- Develop schematics and/or charts (relationship map), as part of the communications plan, showing interagency and non-governmental entity relationships
- Begin development of a written process to determine eligibility, track and document firmly committed supporting leverage activities and dollars – Report supporting leverage amount quarterly to IEDA via IowaGrants.gov
- Coordinate meetings as needed with entities (Stakeholders) that provided supporting commitment letters in the NDR Application.
- Engage private and non-profit stakeholders to identify areas of collaboration and funding streams for current and future projects. Provide outreach/education.
- Maintain technical application data (GIS, Maps, and BCA calculations) included in NDR Applications.

- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public

Q-2 \$21,656

- Coordinate project management team meetings as needed
- Review and update the Q&A document and program fact page
- Continue website hosting, developing agendas, and presentations
- Coordinate Communications Work Group Meetings
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Complete process to determine eligibility, track and document supporting leverage committed by Stakeholders via letters in the NDR Application
- Coordinate meetings as needed with entities (Stakeholders) that provided supporting leverage commitment letters in the NDR Application.
- Maintain technical application data (GIS, Maps, and BCA calculations) included in NDR Applications.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public

Q-3 \$21,656

- Coordinate project management team meetings as needed
- Update the Q&A document and program fact page as needed
- Continue to maintain IWA website program materials, develop agendas and presentations
- Execute and Update the Communications Plan
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Track and document supporting leverage – Report Quarterly to IEDA.
- Coordinate meetings with Stakeholders as needed
- Maintain technical application data (GIS, Maps, and BCA calculations) included in NDR Applications
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Coordinate communication to state directors, Governor's office and the public

Q-4 \$21,656

- Coordinate project management team meetings as needed
- Review and update the Q&A document, program fact page. Repost to site
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Continue tracking and documenting supporting leverage committed by Stakeholders letters in the NDR Application – Report Quarterly to IEDA.
- Maintain technical application data (GIS, Maps, and BCA calculations) included in NDR Applications.
- Begin development of MID-URN maps showing location of watershed practices in each watershed. Update annually. Define, design and develop MID-URN mapping data sources, data collection methodology, cataloging and archiving techniques and map format.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders.
- Coordinate communication to state directors, Governor's office and the public

Year 2 (\$86,624):

Q-1 21,656

- Coordinate project management team meetings as needed
- Review and update the Q&A document, program fact page.
- Website Hosting, develop agendas, and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage.
- Coordinate meetings with Stakeholders as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Maintain technical application data (GIS, Maps, and BCA calculations) included in NDR Applications.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-2 21,656

- Coordinate project management meetings as needed
- Review and update the Q&A document, program fact page. Repost to IWA website
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage.
- Coordinate meetings with Stakeholders as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Q-3 21,656

- Coordinate project management meetings as needed
- Review and update the Q&A document, program fact page. Repost to site
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Q-4 21,656

- Coordinate project management meetings as needed
- Review and update the Q&A document, program fact page. Repost to site
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Update MID-URN maps showing location of watershed practices in each watershed. Update annually.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Year 3 (\$70,000)

Q-1 \$17,500

- Coordinate project management meetings as needed
- Review and update the Q&A document, program fact page. Repost to site
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-2 \$17,500

- Coordinate project management meetings as needed
- Review and update the Q&A document, program fact page. Repost to site
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Q-3 \$17,500

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentation
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage.
- Coordinate meetings with Stakeholders as needed
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-4 \$17,500

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentations
- Execute and Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage.
- Coordinate meetings with Stakeholders as needed
- Update MID-URN maps showing location of watershed practices in each watershed. Update annually.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Year 4 (\$55,776):

Q-1 \$13,944

- Coordinate project management team meetings as needed
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Consider feedback and improvements for the long-term approach

- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Q-2 \$13,944

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage committed by Stakeholder's letters in the NDR Application – Report Quarterly to IEDA.
- Coordinate meetings with Stakeholders as needed
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-3 \$13,944

- Coordinate project management team meetings as needed
- Website Hosting, develop agendas and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage committed by Stakeholders
- Coordinate meetings with Stakeholders as needed
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-4 \$13,944

- Coordinate project management team meetings as needed
- Website Hosting, develop agenda and presentations
- Wrap up Communications Work Group, retire plan.
- Publish materials with the state library.
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public as needed.
- Continue tracking and documenting supporting leverage committed by Stakeholders
- Coordinate meetings with Stakeholders as needed
- Update MID-URN maps showing location of watershed practices in each watershed. Update annually.
- Maintain Technical Application Data - GIS, Maps, BCA calculations

Year 5 (\$48,376):

Q-1 \$12,094

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Consider feedback and improvements for the long-term approach
- Continue tracking and documenting supporting leverage committed by Stakeholders.
- Coordinate meetings with Stakeholders as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public as needed
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

- Maintain Technical Application Data - GIS, Maps, BCA calculations

Q-2 \$12,094

- Coordinate project management team meetings as needed
- Website Hosting, develop agenda and presentations
- Execute and Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage
- Coordinate meetings with Stakeholders as needed
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-3 \$12,094

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentations
- Update Communications Plan as needed.
- Continue tracking and documenting supporting leverage
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Coordinate meetings with Stakeholders as needed
- Maintain Technical Application Data - GIS, Maps, BCA calculations
- Assist ISU Extension in distributing information to state directors, Governor's office, and the public
- Coordinate communication to state directors, Governor's office and the public
- Update website with educational materials, studies, reports and plans to inform the public and stakeholders

Q-4 \$12,094

- Coordinate project management meetings as needed
- Website Hosting, develop agenda and presentations
- Wrap up Communications Work Group, retire plan.
- Work with private and non-profit sector partners to identify future funding streams for Iowa Watershed Approach implementation work.
- Finalize documentation supporting leverage committed by Stakeholders
- Coordinate meetings with Stakeholders as needed
- Finalize MID-URN maps showing location of watershed practices in each watershed.
- Coordinate communication of the final project reports and studies
- Finalize storage locations of project reports for use after program is closed

ACTIVITY 311
Outcome Value (OV)/Performance Metric Reporting

HSEMD will report on Outcome Values associated with the economic, environmental, social, and resiliency goals of the project.

HSEMD: Outcome Value Deliverables	
Deliverable	Projection
# of mitigation plans completed (Enhanced State Mitigation Plan)	1
# of disaster recovery plans completed (flood resiliency action plans)	1
Annual reporting on Outcome Value accomplishments through iowagrants.gov	5

ACTIVITY 309
Supporting Leverage

Alternative supporting leverage deliverables as approved by IEDA may be substituted as long as the total supporting leverage provided is not reduced.

HSEMD will track the following activities outside the scope of funded work as supporting leverage as committed in Phase 2 of the grant application.

HSEMD: Supporting Leverage Deliverables	
Deliverable	Deliverable Goal
Water Quality Initiative - Elk Run, North Raccoon: IAWA is providing cash contribution to fund edge of field water quality practices. Water Quality Initiative - Rock Creek, Upper Cedar: IAWA is providing cash contribution to fund edge of field water quality practices along with state of the art real-time monitoring.	2 TOTAL: \$112,000
Annual reporting on supporting leverage through iowagrants.gov	5