

UIRWMA | Agenda

Meeting date time 8/10/2017 Business Meeting 5:00-5:20 PM Presentations 5:25 | Meeting location Decorah City Council Chambers

BUSINESS MEETING

1.) Agenda topic *Call Meeting to Order 5:00 PM* | Presenter John Beard

2.) Agenda topic *Approval of Minutes 6/15/17 meeting* | Presenter John Beard

Discussion:

Action Items	Motion	Second
Approve Minutes from 6/15/2017 meeting	Jan McGovern	Dan Byrnes

3.) Agenda topic *Discussion and Adoption of Technical Committee Recommendations* | Presenter: Paul Berland and Matt Frana

Discussion:

- Technical Committee Report and Recommendations (Paul Berland) – Meet on 8/8/17 for a 3 hr meeting that included 30 people from various specialties including SWCD, County Engineers, Emergency Management, DNR, Iowa Flood Center, RC & D, Extension, and more.
 - NDR sub-watersheds – Four have been nominated by the tech committee and include Ten Mile Creek, Canoe Creek, and North Canoe Creek in Winneshiek County and Coon Creek in Allamakee County.
 - Plan priority areas – Tech committee will continue to determine area for future project opportunities and use to build overall Upper Iowa River Watershed Plan
- Primary practice list for National Disaster Resiliency (NDR) sub-watersheds (Matt Frana) – See attachment 1
- Project ranking criteria for National Disaster Resiliency sub-watersheds (Matt Frana) – See attachment 2
- Customer application (Matt Frana) – See attachment 3

Action items	Motion	Second
Approve recommendation of 4 NDR project sub-watershed	Mark Jensen	Dan Byrnes
Approve primary practice list for NDR funding	Dan Byrnes	Jan McGovern
Approve project ranking criteria for NDR funding	Jan McGovern	Dan Byrnes
Approve customer application	Mark Jensen	Dan Byrnes

4.) Agenda topic *Discussion of Engineering Technician for NDR Project Design* | Presenter: Paul Berland

Discussion: Paul Berland proposed looking at hiring an Engineering Technician for the design of the projects that will be completed in the selected sub-watersheds. Discussion regarding the efficiencies of having an internal position were presented. The current grant has funds set aside for this position. WMA would again

UIRWMA | Agenda

work with the SWCD to house and administer this employee. With the approval of the board, a job description would be developed and advertised to see if qualified candidates were attainable, and if so interview processes with the board would be arranged.

Action Items

Motion

Second

Approve Hiring Process.

Jan McGovern

Dan Byrnes

5.) Agenda topic *Set Next Meeting Time/Date and Adjourn Business Meeting* | Presenter John Beard

Discussion: 11/9/2017 at 5:00 pm held at the Decorah City Council Chambers

Action Items

Motion

Second

Approve next meeting date, time, location

Mark Jensen

Dan Byrnes

Presentations:

Update from Iowa Flood Center | Presenters Ashlee Johannes, Antonio Arenas, Keith Schilling, Ryan Clark

- Flood Resilience Update (Ashlee Johannes) – Currently working with Luther and RC&D to complete surveys. Conducting surveys in Freeport about past flooding issues
- Recent Flood Events (Antonio Arenas) – Presents precipitation trends and averages for March – July and how they related to the flooding events.
- Survey – U of I Center for Evaluation & Assessment (Valerie Decker) – Requested completion of survey that seeks information to support the needs of the WMA's.
- Iowa Geological Survey (Keith Schilling, Ryan Clark) – Provided outline to basic geological information and services that are provided and developed by the IGS. Discussed the unique geological characteristics of the area and the impact it has on the WMA's goals.

Update from Northeast Iowa RC&D | Presenter Paul Berland

- Upper Iowa River Watershed Plan Development Update
 - Finishing analysis of survey that had been sent out within the WMA
 - Developed Technical Assistance Committee and conducted good first meeting
 - Starting smaller meetings with local individuals to determine needs of the full watershed

Iowa Homeland Security and Emergency Management | Presenter Jim Marwedel

- Hazard Mitigation: Local Planning and FEMA grants – See attachment 5

Upper Iowa River WMA Coordinator Update | Presenter Matt Frana

- Coordinator Update – See attachment 6

Upper Iowa Watershed - WMA Practices (from IWA PC Guide)

Primary Practices Funded By UIW Project:

- 1) 378 - Farm Pond
- 2) 638 - Water and Sediment Control Basin
- 3) 410 - Grade Stabilization Structure
- 4) 658 - Wetland Creation
- 5) 656 - Constructed Wetland
- 6) 657 - Wetland Enhancement

Secondary Practices: *Try to find other funding sources. Otherwise would have to be part of bid-letting.*

- 1) 393 - Filter Strip
- 2) 600 - Terrace
- 3) 604 - Saturated Buffer
- 4) 605 - Denitrifying Bioreactor
- 5) 332 - Contour Buffers (STRIPS)
- 6) 390 - Riparian Buffer

All Potential Practices - Standards and Statements of Work

- 327 Conservation Cover - **For use in conjunction with other practices**
- 656 Constructed Wetland
- 332 Contour Buffers (STRIPS)
- 342 Critical Area Planting - **For use in conjunction with other practices**
- 605 Denitrifying Bioreactor
- 382 Fence - **For use in conjunction with other practices**
- 393 Filter Strip
- 410 Grade Stabilization Structure
- 516 Livestock Pipeline - **For use in conjunction with other practices**
- 378 Pond
- 604 Saturated Buffer
- 600 Terrace
- 620 Underground Outlet - **For use in conjunction with other practices**
- 638 Water and Sediment Control Basin
- 614 Watering Facility - **For use in conjunction with other practices.**
- 658 Wetland Creation
- 657 Wetland Enhancement
- 390 Riparian Buffer

Upper Iowa River Watershed: Project Ranking

- 1) Is the project a road structure or in-field project?
 Road Structure (40 points)
 In-field (0 points) _____
- 2) Is the project located in the upper half of the watershed?
 Yes (25 points)
 No (0 points) _____
- 3) What is the size of the watershed the project will capture/treat?
 0-60 acres (0 points)
 60-100 acres (5 points)
 101-200 acres (10 points)
 201- 300 acres (25 points)
 > 300 acres (50 points) _____
- 4) Runoff Curve Number (RCN) for watershed?
 80-100 (0 points)
 70-79 (5 points)
 60-70 (10 points)
 < 60 (30 points) _____
- 5) Is the landowner(s) willing to implement additional new practices to improve flood resilience?
 Yes (20 points)
 No (0 points) _____
- 6) Will landowner allow for summer construction?
 Yes (20 points)
 No (0 points) _____
- 7) Will landowner donate easement/fill?
 Yes (40 points)
 No (0 points) _____

TOTAL POINTS = _____

Additional Considerations:



Upper Iowa River Watershed Project:

Application for Financial/Technical Assistance

Name: _____

Address: _____

Telephone: _____

Practice(s): _____

Sub-watershed(s) _____

Location: Section _____ T _____ R _____

I hereby request financial assistance from the **Upper Iowa River Watershed Management Authority** in planning and applying soil and water conservation practices on my land. I hereby grant to the members of the **Upper Iowa River Watershed Management Authority** or their designated representatives the right of ingress and egress to my land for the purpose of conducting surveys, planning or inspecting conservation works of improvement during the period this agreement is in force. Conservation practices will have a maintenance agreement of 20 years. Copies of project designs and plans will be provided to the Iowa Flood Center as part as their Iowa Watershed Approach study, these designs will be used in computer models to study the impact of structures on flood reduction. This agreement will remain in effect until mutually terminated or by either party giving thirty (30) days written notice.

If you agree to the above, you may sign here:

Name: _____

Date: _____

Hazard Mitigation: FEMA Grants and Integrating Mitigation Planning

FEMA's Hazard Mitigation Assistance (HMA): Another Tool for the Watershed

HMA programs provide opportunity to develop projects outside of HUD \$:

That is –

Outside of the HUD timeframe, and

Outside of HUD area limitations.

What is HMA?

Really, it is 3 Different FEMA Grant programs:

1. HMGP – Hazard Mitigation Grant Program ✓
2. PDM – Pre-Disaster Mitigation grant –
3. FMA – Flood Mitigation Assistance grant –

3 Programs, but 1 Goal:

REDUCE RISK!

Though the programs have different statutory origins, all share common goal of reducing risk to individuals and property due to natural hazards.

FEMA's HMA Programs:

Hazard Mitigation Grant Program (HMGP):

- o Only available after a Presidential disaster declaration somewhere in state
- o Available anywhere in state for mitigation projects to reduce risk of loss of life and property from future disasters
- o Amount of HMGP \$ available is based on total \$ for disaster recovery under the disaster declaration (in Iowa, 20% of the total cost of disaster)

Pre-Disaster Mitigation (PDM)

- o Annual allotment to each state for hazard mitigation planning and the implementation of mitigation projects
- o Besides limited funding, State also limited in number of projects

Flood Mitigation Assistance (FMA)

- o Annual appropriation (usually), but competitive nationally
- Provides \$ so that measures can be taken to reduce risk of flood damage to buildings insured under the National Flood Insurance Program.

HMA and Hazard Mitigation Plan

The Multi-Hazard Mitigation Plan is the key to all HMA grant funds!

Projects ONLY awarded HMA \$ IF identified as *mitigation actions* that are part of a strategy in a FEMA-approved local Multi-Hazard Mitigation Plan.

The Hazard Mitigation Plan includes:

- Hazard and Risk Analysis which describes the vulnerabilities and impacts of different hazards to individuals and property
- Mitigation strategy with an action plan based on consideration of:
 - o Priorities
 - o Costs versus benefits
 - o Feasibility of action alternatives

Challenge is Integrating the Plans

Strategy for flood risk reduction should already be in Watershed Plan – need to link that to the Hazard Mitigation Plan

Hazard Mitigation Plan and Watershed Plan

Idea is:

- Use the watershed planning process to develop mitigation plan for flooding
- Incorporate the watershed plan into the Hazard Mitigation Plan
- Use the WMA as a means to accomplish flood mitigation actions

And, to do this so that:

- Jurisdictions do not have to do extra planning effort
- There is no contradiction in plans
- No duplication of efforts

More about the Hazard Mitigation Plan

- **Multi-hazard:** Plan must at least cover all natural hazards (FEMA will not approve a flood hazard only plan)
- **Multi-jurisdiction** - Includes:
 - County
 - Cities in county (or counties if multi-county area)
 - School districts
- **Could also include Soil and Water Conservation District** as a jurisdiction
 - Could that help with landowner involvement?
 - Could that help to integrate with NRCs programs?
How would that work? Where would that work?
- Hazard risk analysis includes flood risk assessment
 - Iowa HSEMD completing this for the Upper Iowa Watershed and other HUD NDR watersheds
- Relative to flooding, Plan's Mitigation Strategy needs to:
 - Describe existing authorities, policies, programs and resources available to accomplish flood mitigation – already done for all jurisdictions except SWCD
 - Include goals to reduce long- term vulnerabilities to identified flood hazards
 - Analyze comprehensive range of mitigation actions and projects for each jurisdiction to reduce effects of flooding
 - Describe how the actions identified will be prioritized, implemented, and administered by each jurisdiction
 - For each action, identify who is responsible for implementation, potential funding sources, and expected timeframe for completion

Goal: Integrate the Plans

- Link flood risk reduction actions of all the plans together to avoid duplication and contradiction
- Provide a way to implement actions of watershed plan beyond the HUD NDR limits

For comments and questions:

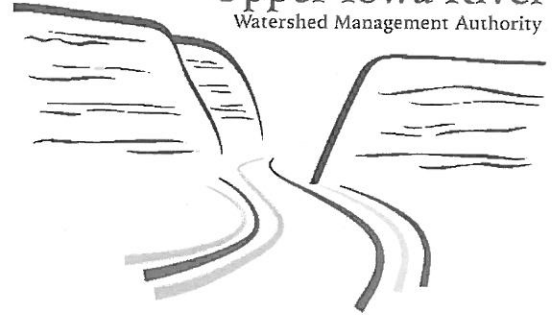
Jim Marwedel

Hazard Mitigation Planner

Iowa Homeland Security and Emergency Management

515-725-3249

Jim.Marwedel@iowa.gov



UIR-WMA Meeting 8/10/14

Matt Frana - Project Coordinator Update:

Since last WMA meeting:

- Display at Winneshiek County Fair
- Worked with RC&D to put on public information meeting (July 20th)
 - Around 50 in attendance
 - Discussed:
 - Background of the grant
 - Upper Iowa Watershed Management Plan
 - Project process
 - Targeted practices
 - Good turnout/response – Map
- Making list of interested landowners
 - Gathering information on sites through aerial imagery/ArcGIS
 - Making folders for potential project sites/landowners – site info, maps, notes.
- Developed project ranking criteria
- Meet with landowners to determine potential locations for Flood Center's hydro stations.
- **PRIORITY WATERSHEDS PICKED!!!**
 - Can start meeting with landowners.

Future Plans:

- Start meeting with landowners and finding good project locations.
- Meet with county engineers to determine potential project locations
- Determine where to split upper and lower portions of the sub-watersheds.
- Continue to get the project process hashed out (before next WMA meeting)