

**FLOOD SALES TAX COMMITTEE
AGENDA FOR FEBRUARY 4, 2019**

Cass County Commission

Conference Room

1:00 PM

1. Call to Order
2. Approve minutes from previous meeting
3. FEMA floodplain mapping project
 - a. Background information on funding request
 - b. Minutes from County Commission and Flood Sales Tax meetings
 - c. Policy on flood sales tax projects
4. Flood sales tax potential projects forecast and funding formula
5. Other business
6. Adjournment

cc: Local Media

**FLOOD SALES TAX COMMITTEE
NOVEMBER 19, 2018—1:00 PM**

1. MEETING TO ORDER

Commissioner Mary Scherling called a meeting of the Flood Sales Tax Committee to order on Monday, November 19, 2018, at 1:00 PM in the Commission Conference Room, Cass County Courthouse, with the following present: County Engineer Jason Benson; County Auditor Michael Montplaisir; Joint Water Resource District Representative Rodger Olson; County Commissioner Mary Scherling; County Commissioner Rick Steen; and County Administrator Robert Wilson.

Also present were Assistant County Engineer Tom Soucy; Water Resource District Secretary-Treasurer Carol Harbeke Lewis; Engineer Mike Opat, Moore Engineering; and Engineer Brandon Oye, Moore Engineering.

2. MINUTES APPROVED

MOTION, passed

Mr. Olson moved and Mr. Steen seconded to approve the meeting minutes from October 1, 2018, as presented. Motion carried.

3. FEMA FLOODPLAIN MAPPING PROJECT

Water Resource Districts Secretary-Treasurer Carol Harbeke Lewis and Engineer Mike Opat were present to discuss the FEMA Floodplain Mapping Project.

Ms. Lewis said this project was submitted for consideration previously and tabled due to time constraints and a request for follow-up information. The current request includes a request for both retroactive and future costs.

Mr. Opat said the request is for work completed by the Water Resource Districts on behalf of the county to assist FEMA with corrections to floodplain mapping.

Mr. Benson said FEMA supports the use of the Water Resource Districts for mapping assistance and views it as a best practice model. The overall costs and timeline for mapping has been cut down, and mapping adjustments save money for rural residents and communities.

Mr. Steen said he does not feel that the policy for flood sales tax projects supports this type of project, nor does he believe this project should be reimbursed retroactively. The request could go to the county commission for further discussion.

MOTION, failed

Mr. Steen moved and Mr. Montplaisir seconded to recommend the county commission consider funding the Water Resource Districts for future expenses related to FEMA floodplain mapping. Discussion: Mr. Montplaisir said assigning this task to the Water Resource Districts was a good option, but the funding should have been discussed and settled at that time.

Mr. Olson clarified that the motion is to recommend to the commission that only future reimbursements be considered. Mr. Steen said yes.

Mr. Olson said as the Water Resource District was asked to take on this task they should be paid for it.

On roll call vote, the motion failed with Mr. Steen voting “Yes”; Mrs. Scherling, Mr. Montplaisir, Mr. Wilson, Mr. Olson, and Mr. Benson voting “No”.

MOTION, passed

Mr. Wilson moved and Mr. Olson seconded to recommend the county commission consider reimbursing the Water Resource District retroactively, in addition to funding future expenses related to FEMA floodplain mapping. Discussion: Mrs. Scherling said a policy should be set for this matter so there is clear guidance on how to handle such a situation in the future.

On roll call vote, the motion carried with Mrs. Scherling, Mr. Montplaisir, Mr. Wilson, Mr. Olson, and Mr. Benson voting “Yes”; Mr. Steen voting “No”.

Mr. Steen said he would like a copy of the balance sheet for each Water Resource District made available when this issue is discussed by the county commission.

4. RUSH AND SHEYENNE RIVERS SNAGGING AND CLEARING

Mr. Opat said the State Water Commission has previously funded 50% of the cost of clearing debris from rivers. As the legislature is no longer matching funds for this work, a request has been submitted to this committee for consideration as approximately \$800,000 per year is spent on this activity.

Mrs. Scherling said this project is not in line with the spirit of the policy, which generally encompasses one-time projects.

Mrs. Scherling said the water boards should continue trying to get funding reinstated from the legislature and the county commission will also advocate the issue on their behalf.

MOTION, passed

Mr. Steen moved and Mr. Wilson seconded to deny the requests for the Rush River and Sheyenne River snagging and clearing. Discussion: Mr. Olson asked if the request can come back to this group if the state does not bring funding back. Mr. Steen said the request is eligible to come back but if the state will not fund this activity a request should be made to the legislature to lift the cap on the mill levy for Water Resource Districts. On roll call vote, the motion carried unanimously.

5. FLOOD SALES TAX POTENTIAL PROJECTS FORECAST

Mr. Benson said following the last meeting, he met with Mr. Opat and Engineer Brandon Oye to identify potential future projects and associated costs. The goal of the exercise was to gather information to assist in determining how much additional funding from the flood sales tax can go to the Diversion Authority.

Mr. Oye and Mr. Opat reviewed potential projects, which were broken into rural city projects and Water Resource District projects.

Mr. Montplaisir said the flood sales tax is stabilizing after multiple years of falling revenues. The county's Flood Sales Tax Fund currently takes 9% of the revenues for rural projects.

Mrs. Scherling said she would like to see a balance maintained in the fund for projects, but does not want a large fund balance to accrue without being used.

Mr. Steen said the point of creating the projects forecast was to determine a satisfactory fund balance before lowering the percentage of funds retained by the county. During the previous meeting, it was determined that project expenditures have averaged \$2.5 million per year, which is about 6% of the sales tax.

Mr. Steen asked if the 6% figure should be brought to the Diversion Authority. Mrs. Scherling said a decision should not be made today and she would like a recommendation from Mr. Montplaisir at a future date.

Mr. Steen said the Diversion Authority is working on financing and has asked the county to make a decision on how much funding to relinquish going forward. He said perhaps Mr. Montplaisir can come up with some figures for the Finance Committee to discuss.

Mr. Montplaisir said discussions thus far have entailed retaining an unobligated balance of funds before reducing the percentage.

6. ADJOURNMENT

There being no further business, the meeting was adjourned at 2:04 PM.



April 4, 2018

Cass County
Joint Water
Resource
District

Richard Steen
Chairman
Cass County Commission
P.O. Box 2806
Fargo, ND 58108-2806

Dear Chairman Steen:

RE: FEMA floodplain mapping efforts
City of Arthur
Townships in northern Cass County

Dan Jacobson
Chairman
West Fargo, North Dakota

Rodger Olson
Manager
Leonard, North Dakota

Lance Yohe
Manager
West Fargo, North Dakota

Ken Lougheed
Manager
Gardner, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

The Cass County Joint Water Resource District (CCJWRD) has acted as the coordinating agency on the Western Cass Flood Insurance Study (FIS) since 2013. The CCJWRD has put forth an extensive effort to review the technical information produced by FEMA in order to ensure that the information is reasonable and that the actual flood risks are properly identified. This is particularly important because any properties located within the FEMA high risk flood zones may be required to purchase expensive flood insurance. This review effort has resulted in FEMA re-scoping their study twice due to the significant errors identified by CCJWRD's review efforts. Part of this effort included multiple public meetings with city and township officials to communicate the ongoing study and collect input on concerns over FEMA's study and other issues. The CCJWRD serviced as a conduit between local entities and FEMA for information pertaining to the study. An accounting report is enclosed setting out total costs to-date in the amount of \$141,346.08.

CCJWRD has been contacted recently to work with the City of Arthur and townships in northern Cass County to assist with floodplain mapping efforts related to the Western Cass FIS project. At this time, the estimated cost for the future effort is \$25,000; however, this is dependent upon the accuracy of the technical data prepared by FEMA which will be reissued later in 2018. The CCJWRD may also provide assistance to local entities throughout Cass County on the filing of any technical appeals that may be necessary as the process moves forward.

The CCJWRD respectfully requests consideration for funding of costs previously incurred for the Western Cass FIS, as well as costs for future efforts in Arthur and townships in northern Cass County.

If you have any questions, please feel free to contact us or the engineer for CCJWRD, Mike Opat, Moore Engineering, Inc., at 701-282-4692.

Sincerely,

CASS COUNTY JOINT WATER RESOURCE DISTRICT

Carol Harbeke Lewis
Secretary-Treasurer

Enclosure

Carol Harbeke Lewis
Secretary-Treasurer
1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrj@casscountynod.gov
casscountynod.gov

03/27/18
13:05:27

CASS COUNTY WATER RESOURCE DISTRICTS
Detail Ledger Query
For the Accounting Periods: 1/ 9 - 3/18

Page: 1 of 2
Report ID: L091

Funds 1000-1000, AND ACCT=441070

Fund/Account/ Doc/Line #	Description	Vendor/Receipt From	Acct. Period	Debit	Credit
1000 SOUTHEAST CASS WATER RESOURCE DISTRICT					
441070 WESTERN CASS FIS (2013)					
304 LEGAL FEES-MAPLE RIVER					
CL 7783 5 120915	Floodplain Management	OHNSTAD TWICHELL, P.C.	6/13	115.20	
CL 7910 22 122104	Floodplain Management	OHNSTAD TWICHELL, P.C.	7/13	33.35	
	Object Total:			148.55	
305 LEGAL FEES-NORTH CASS					
CL 7783 6 120915	Floodplain Management	OHNSTAD TWICHELL, P.C.	6/13	57.60	
CL 7910 23 122104	Floodplain Management	OHNSTAD TWICHELL, P.C.	7/13	16.68	
	Object Total:			74.28	
306 LEGAL FEES-RUSH RIVER					
CL 7783 7 120915	Floodplain Management	OHNSTAD TWICHELL, P.C.	6/13	57.60	
CL 7910 24 122104	Floodplain Management	OHNSTAD TWICHELL, P.C.	7/13	16.68	
	Object Total:			74.28	
401 LEGAL FEES					
CL 7783 1 120915	Floodplain Management	OHNSTAD TWICHELL, P.C.	6/13	345.60	
CL 7910 21 122104	Floodplain Management	OHNSTAD TWICHELL, P.C.	7/13	100.06	
	Object Total:			445.66	
402 ENGINEERING FEES					
CL 7785 46 5451	Western Cass FIS Review	MOORE ENGINEERING INC	6/13	3,497.50	
CL 8321 39 6692	Western Cass FIS Review	MOORE ENGINEERING INC	11/13	4,109.10	
CL 8500 39 7080	Western Cass FIS Review	MOORE ENGINEERING INC	1/14	3,505.00	
CL 8608 39 7246	Western Cass FIS Review	MOORE ENGINEERING INC	2/14	2,207.50	
CL 8775 39 7505	Western Cass FIS Review	MOORE ENGINEERING INC	4/14	187.50	
CL 9338 39 8722	Western Cass FIS Review	MOORE ENGINEERING INC	10/14	12,560.00	
CL 9502 41 9007	Western Cass FIS Model R	MOORE ENGINEERING INC	11/14	15,800.00	
CL 9611 41 9316	Western Cass FIS Model R	MOORE ENGINEERING INC	12/14	9,537.50	
CL 9927 41 9733	Western Cass FIS Model R	MOORE ENGINEERING INC	3/15	2,497.50	
CL 10321 41 10321	Western Cass FIS Model R	MOORE ENGINEERING INC	6/15	7,527.50	
CL 10540 41 10594	Western Cass FIS Model R	MOORE ENGINEERING INC	7/15	350.00	
CL 10700 41 10807	Western Cass FIS Model R	MOORE ENGINEERING INC	8/15	935.00	
CL 10831 41 11073	Western Cass FIS Model R	MOORE ENGINEERING INC	9/15	17,162.50	
CL 10936 42 11279	Western Cass FIS Model R	MOORE ENGINEERING INC	10/15	17,064.10	
CL 11076 42 11577	Western Cass FIS Model R	MOORE ENGINEERING INC	11/15	4,650.00	
CL 11149 42 11777	Western Cass FIS Model R	MOORE ENGINEERING INC	12/15	435.00	
CL 11316 42 11983	Western Cass FIS Model R	MOORE ENGINEERING INC	1/16	1,132.50	
CL 11497 42 12342	Western Cass FIS Rev-Stu	MOORE ENGINEERING INC	3/16	2,590.00	
CL 11611 46 12566	Western Cass FIS Model R	MOORE ENGINEERING INC	4/16	2,955.16	
CL 11889 55 13295	Western Cass FIS Review	MOORE ENGINEERING INC	7/16	702.50	
CL 11987 55 13462	Western Cass FIS Review	MOORE ENGINEERING INC	8/16	165.00	
CL 12063 55 13645	Western Cass FIS Review	MOORE ENGINEERING INC	9/16	165.00	
CL 12239 147 14230	Western Cass FIS	MOORE ENGINEERING INC	11/16	660.00	
CL 12459 55 14495	Western Cass FIS Review	MOORE ENGINEERING INC	1/17	1,650.00	
CL 12459 61 14622	Western Cass FIS Review	MOORE ENGINEERING INC	1/17	441.10	
CL 12748 60 15132	Western Cass FIS-Arthur	MOORE ENGINEERING INC	4/17	817.50	
CL 12812 56 15334	Western Cass FIS Review	MOORE ENGINEERING INC	4/17	200.00	
CL 13043 66 15853	Western Cass FIS Review	MOORE ENGINEERING INC	7/17	1,287.50	
CL 13113 60 16161	Western Cass FIS Rev-Art	MOORE ENGINEERING INC	7/17	7,633.85	
CL 13208 60 16373	Western Cass FIS Rev-Art	MOORE ENGINEERING INC	8/17	2,315.00	
CL 13303 63 16725	Western Cass FIS Rev-Art	MOORE ENGINEERING INC	9/17	1,800.00	

03/27/18
13:05:29

CASS COUNTY WATER RESOURCE DISTRICTS
Detail Ledger Query
For the Accounting Periods: 1/ 9 - 3/18

Page: 2 of 2
Report ID: L091

Funds 1000-1000, AND ACCT=441070

Fund/Account/ Doc/Line #	Description	Vendor/Receipt From	Acct. Period	Debit	Credit
1000	SOUTHEAST CASS WATER RESOURCE DISTRICT				
441070	WESTERN CASS FIS (2013)				
402	ENGINEERING FEES				
CL 13383 63 16953	Western Cass FIS Rev	MOORE ENGINEERING INC	10/17	3,025.00	
CL 13651 57 17536	Western Cass FIS Rev-COA	MOORE ENGINEERING INC	1/18	7,662.50	
CL 13693 57 17663	Western Cass FIS-City Ar	MOORE ENGINEERING INC	1/18	3,375.00	
	Object Total:			140,603.31	
	Account Total:			141,346.08	
	Fund Total:			141,346.08	0.00
	Grand Total:			141,346.08	0.00



November 9, 2018

Cass County
Joint Water
Resource
District

Richard Steen
Chairman
Cass County Commission
P.O. Box 2806
Fargo, ND 58108-2806

Dear Chairman Steen:

RE: Cass County Flood Sales Tax funding assistance for FEMA floodplain mapping efforts in Cass County

Dan Jacobson
Chairman
West Fargo, North Dakota

Rodger Olson
Manager
Leonard, North Dakota

Lance Yohe
Manager
West Fargo, North Dakota

Ken Loughheed
Manager
Gardner, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

This letter is a follow up to the cost-share request submitted by Cass County Joint Water Resource District (CCJWRD) in April 2018 regarding FEMA floodplain mapping efforts in Cass County. The pending request was tabled at the Cass County Flood Sales Tax Committee's May 7, 2018, meeting and awaits further consideration / action at a future meeting. CCJWRD would like to supplement their initial request due to recent developments with the project.

As noted in the previous request, CCJWRD has acted as the coordinating agency on the Western Cass Flood Insurance Study (FIS) since 2013. Cass County requested CCJWRD take the lead on this effort because the county did not have the staff resources or expertise required to do so. Records show that the Cass County Planning Department had intended to submit a funding request to the Flood Sales Tax Committee back in 2013, but that request was never finalized. CCJWRD has been covering expenses pertaining to this effort with general fund dollars, but those funds are limited and these expenses are putting a strain on the budget. This effort would typically be handled and funded by the county or another agency other than a water resource district. CCJWRD is willing to continue acting as the lead agency, but requests funding assistance to offset expenses associated with its involvement.

CCJWRD's pending request was for costs incurred in the amount of \$141,346.08, plus an additional \$25,000 for ongoing review efforts. Since that time, FEMA has released revised floodplain maps and CCJWRD has identified issues with the maps. In order to properly address those issues, additional review and coordination with FEMA will be required. CCJWRD recently authorized spending an additional \$40,000 on this effort.

CCJWRD respectfully requests consideration for funding of costs previously incurred for the Western Cass FIS, as well as costs for future efforts related to this review effort, for a total of \$181,346.08.

If you have any questions, please feel free to contact us or the engineer for the CCJWRD, Mike Opat, Moore Engineering, Inc., at 701-282-4692.

Sincerely,

CASS COUNTY JOINT WATER RESOURCE DISTRICT

Carol Harbeke Lewis
Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrld@casscountynod.gov
casscountynod.gov

MOTION, passed

Mr. Pawluk moved and Mr. Peterson seconded to authorize the use of a 1.0% salary scale adjustment for 2014 budget development purposes; and authorize a 2% increase in employee retirement benefits with the employee and Cass County each contributing half of that increase for 2014 budget development purposes. Discussion: There was discussion about the retirement system and whether the increased contributions have allowed account balances to rebound. Mr. Vanyo asked for the county auditor to provide the board with updated information regarding the NDPERS fund. On roll call vote, the motion carried unanimously.

8. **FLOOD INSURANCE STUDY, Approved for western Cass County; to be cost shared with joint water resource district**

Tim Solberg, Cass County Planner, said the Federal Emergency Management Agency (FEMA) recently solicited proposals and received a response to complete the Western Cass County Flood Insurance Study, an initiative to finish work not completed on the previously referred to Sheyenne Maple Flood Insurance Study. The study is part of an ongoing effort to update and modernize flood insurance rate maps (FIRMS) to accurately illustrate flood risks. Mr. Solberg said given the complexity of the study and number of jurisdictions involved in the study area, the Cass County Joint Water Resource District (WRD) has been asked to provide expertise through their engineering firm. He said the WRD would act as the local coordinating agency and as a liaison.

Jason Benson, Cass County Engineer, said Moore Engineering is the firm hired by the WRD, and has extensive experience with modeling done in the study area. He said it is in the best interest of the county to obtain the most accurate maps as possible. Mr. Solberg said a similar process was used with the Eastern Cass County Flood Insurance Study.

MOTION, passed

Mr. Pawluk moved and Mr. Peterson seconded to authorize the County Engineer to utilize funds judiciously from the County Highway Department consulting budget and cost share at 50% with the Cass County Joint Water Resource District for engineering services to act as the local coordinating agency for the Western Cass County Flood Insurance Study, total cost not to exceed \$40,000. On roll call vote, the motion carried unanimously.

9. **NATIONAL FLOOD INSURANCE PROGRAM, Discussion on impact from federal law changes**

Mr. Solberg said information was received last week from FEMA regarding the Biggert Waters Flood Insurance Reform Act of 2012 passed by Congress last year, and the impact from changes to the National Flood Insurance Program (NFIP). He said the information ties in with the study just approved by the board because the new legislation requires the NFIP to raise rates to reflect true flood risk, make the program more financially stable, and change how flood insurance rate map (FIRM) updates will affect policy holders.

Mr. Pawluk left the meeting at 4:41 PM.

Mr. Benson said as a result of the legislation, home owners may experience significant increases to flood insurance rates. Mrs. Scherling said many residents living in the metropolitan area south of I-94 most likely will be affected.

MEMORANDUM

RECEIVED

MAY 28 2013

TO: Cass County Commission

FROM: Jason Benson, Cass County Engineer

DATE: May 28, 2013

SUBJECT: Agenda Item for June 3, 2013 Commission Meeting:
Western Cass Flood Insurance Study

CASS COUNTY COMMISSION

The Federal Emergency Management Agency (FEMA) has received a response to a solicitation for proposal to complete the Western Cass Flood Insurance Study, which is an initiative to finish work that was not completed for the previously referred to Sheyenne Maple Flood Insurance Study. This study has been an ongoing effort to not only modernize the mapping method of the paper flood insurance rate maps (FIRMs), but also to update the maps to more accurately illustrate the flood risks along portions of the Sheyenne and Maple Rivers as well as the Red River north of the Sheyenne confluence.

The complexity of this study coupled with the large amount of jurisdictions involved has prompted the County to seek additional expertise from the Water Resource Districts of the County. In a previous effort Southeast Cass WRD responded to the latest version of the Sheyenne Maple Flood Insurance Study with a detailed review of the methodologies and outputs and has demonstrated a high level of understanding of this study area. Further we believe that they offer a credible forum for discussion between multiple jurisdictions. In our correspondence with representatives of FEMA they are very much in favor of having the WRDs involved as the local coordinating agency.

To undertake this effort, the Joint Water Resource District approved funding not to exceed \$40,000 with their engineering consultant and we have indicated that we believe the County would be willing to cost share at 50% of that cost. Today we are asking the Commission to approve of this agreement and for that cost share to come out of the consulting budget of the County Highway Department.

SUGGESTED MOTION: Authorize the County Engineer to utilize funds from the County Highway Department consulting budget and cost share at 50% with the Cass County Joint Water Resource District for engineering services to act as the local coordinating agency for the Western Cass Flood Insurance Study. Total cost for this recommendation is not to exceed \$40,000 total.

sewer began failing last fall, and the city was also notified by FEMA that an updated Flood Insurance Rate Map would add additional structures into the floodplain, requiring flood insurance for those homes. The city worked with Moore Engineering to review the proposed floodplain and it was determined that a larger storm sewer replacement pipe would reduce the floodplain area and the number of homes in need of flood insurance. The total cost of the project is \$532,500, and the city is requesting a 50% cost share, which is \$266,250. Funds have been requested from other sources and any additional funds received will reduce the local share and the final request from the Flood Sales Tax Fund.

MOTION, passed

Mr. Steen moved and Mr. Wilson seconded to approve the Arthur Flood Risk Reduction Project up to \$266,250, with the amount to be reduced if additional funding becomes available. Discussion: Mrs. Scherling asked where additional funds have been requested. Mr. Berube said funds have been requested from the Governor's Fund and the Community Development Block Grant Urgent Need Fund. Mr. Steen asked that an updated request amount be submitted once final funding has been identified. On roll call vote, the motion carried unanimously.

Mrs. Scherling said the recommendations of this committee will be forwarded to the Cass County Commission for final approval.

Hunter Dam Projects

Hunter Mayor Ben Olson said the city is requesting assistance for two separate projects at the Hunter Dam, which is considered a high hazard dam. The State Water Commission notified the city that they are required to complete an Emergency Action Plan (EAP) and the city also needs to complete repairs to the dam. The city is requesting \$8,645.25 for funding assistance for the EAP and \$15,000 for the dam repairs.

MOTION, passed

Mr. Steen moved and Mr. Wilson seconded to approve the Hunter Dam Projects in the amounts of \$8,645.25 and \$15,000.00. On roll call vote, the motion carried unanimously.

FEMA Floodplain Mapping Efforts Project

Mr. Opat said the CCJWRD has been assisting communities since 2013 by reviewing technical information produced by FEMA and ensuring its accuracy before the information was recorded. This review effort has resulted in FEMA re-scoping their study on more than one occasion due to significant errors identified by CCJWRD's efforts. Total costs to date for these efforts is \$141,346.08, and estimated future costs are \$25,000 to assist with mapping efforts for Arthur and townships in northern Cass County. CCJWRD is requesting full reimbursement for these costs.

Mr. Steen said as the county funds the water resource districts through a dedicated mill levy, it seems like they are requesting funding twice for work encompassed by their regular operations.

Mr. Benson said the work in question is outside of the normal scope of work and

the regular budget of CCJWRD. In 2013, the Western Cass Flood Insurance Study requested that CCJWRD take part in reviewing the information provided by FEMA and it has proven to be very beneficial.

Mrs. Scherling said she understands the importance of the work provided by CCJWRD, but she would like to know why a request for reimbursement has not been brought forth until this time. Mrs. Scherling would also like to know the current fund balance for the water resource districts.

Mr. Steen asked what the main function of the water resource districts is. Mr. Opat said it is to manage water. Typically, the floodplain mapping efforts should go through a department that handles planning and zoning or floodplain management.

MOTION, passed

Mr. Steen moved and Mr. Benson seconded to table the FEMA Floodplain Mapping Efforts Project until further information can be provided. Discussion: Mrs. Scherling said a representative of CCJWRD should be present for the discussion and to answer questions relating to the timing of the request and the water resource districts fund balance.

Mrs. Scherling asked why the work is not run through the County Planner. Mr. Benson said each township has its own zoning authority and floodplain manager, so there is not one person who is suited to complete this work in Cass County other than CCJWRD.

Mrs. Scherling asked if it has been difficult to work with FEMA in this capacity. Mr. Benson said no and much of the work has been educational. While most information is accurate, a very large effort is required to meet with communities to ensure accuracy.

Mr. Steen said while the work being done is beneficial, he is not sure it falls under the mission of the Flood Sales Tax Committee or if the county should be funding the work separately.

On roll call vote, the motion carried unanimously.

Harwood Levee Improvements Project Update

Engineer Andrew Aakre of Moore Engineering said this committee approved the Harwood Levee Improvements Project in 2015. One component of the project included the buyout of a property next to the levee. The property owner and the city were unable to come to an agreement at that time and the buyout did not take place. The landowner has now contacted the city and is ready to negotiate a deal to finish the buyout process.

Mr. Aakre said after the property is bought out the structure will be removed and the property will be restored to a vacant lot to reconstruct the levee off the shoulder of the riverbank as the levee is sliding.

Project. A feasibility study was completed by the Water Resource District this summer due to anticipated future changes to floodplain maps that will require many residents to acquire flood insurance. The most cost effective option is to construct an earthen ring levee around the city.

The State Water Commission (SWC) did not have enough funds this year to provide a cost share, but the project is a high priority for the next biennium. The request to this committee for a 75% match of the local share still stands. As state revenues continue to increase the SWC may look for shovel-ready projects to fund.

MOTION, passed

Mr. Olson moved and Mr. Benson seconded to approve the Davenport Flood Risk Reduction Project in the amount of \$1,425,000, contingent on the ND State Water Commission approving and funding a cost share for the project. Discussion: Mr. Steen said an amended request can be made to this committee if circumstances of the project change. On roll call vote, the motion carried unanimously.

8. LAKE BERTHA FLOOD CONTROL PROJECT REQUEST

Mr. Opat said this committee previously funded the Lake Bertha Flood Control Project, which was completed this summer. The approved cost share was 50% at the time the project was approved. As the policy has now changed to a 75% cost share and project construction began and was completed after the policy change, the request is for this committee to retroactively approve a 75% cost share for the project, which is an increase of \$34,348.28, and a total cost share of \$103,044.85.

MOTION, failed for lack of a second

Mr. Olson moved to approve the Lake Bertha Flood Control Project request for a retroactive 75% cost share in the additional amount of \$34,348.28. The motion died due to lack of a second.

Mr. Montplaisir said approving a retroactive cost share would set a precedent for the same request for other completed projects.

9. FEMA FLOODPLAIN MAPPING EFFORTS PROJECT

Carol Harbeke Lewis, Secretary-Treasurer for the Water Resource Districts, said the FEMA Floodplain Mapping Efforts Project request was tabled at the last meeting. The committee had several questions and wanted to discuss the project with a representative of the Cass County Joint Water Resource District.

Mr. Steen said discussion for this request will be postponed until the next meeting.

10. ADJOURNMENT

MOTION, passed

On motion by Mr. Montplaisir, seconded by Mr. Wilson and all in favor, the meeting was adjourned at 1:01 PM.

**FLOOD SALES TAX COMMITTEE
NOVEMBER 19, 2018—1:00 PM**

1. MEETING TO ORDER

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Also present were Assistant County Engineer Tom Soucy; Water Resource District Secretary-Treasurer Carol Harbeke Lewis; Engineer Mike Opat, Moore Engineering; and Engineer Brandon Oye, Moore Engineering.

2. MINUTES APPROVED

MOTION, passed

Mr. Olson moved and Mr. Steen seconded to approve the meeting minutes from October 1, 2018, as presented. Motion carried.

3. FEMA FLOODPLAIN MAPPING PROJECT

Water Resource Districts Secretary-Treasurer Carol Harbeke Lewis and Engineer Mike Opat were present to discuss the FEMA Floodplain Mapping Project.

Ms. Lewis said this project was submitted for consideration previously and tabled due to time constraints and a request for follow-up information. The current request includes a request for both retroactive and future costs.

Mr. Opat said the request is for work completed by the Water Resource Districts on behalf of the county to assist FEMA with corrections to floodplain mapping.

Mr. Benson said FEMA supports the use of the Water Resource Districts for mapping assistance and views it as a best practice model. The overall costs and timeline for mapping has been cut down, and mapping adjustments save money for rural residents and communities.

Mr. Steen said he does not feel that the policy for flood sales tax projects supports this type of project, nor does he believe this project should be reimbursed retroactively. The request could go to the county commission for further discussion.

MOTION, failed

Mr. Steen moved and Mr. Montplaisir seconded to recommend the county commission consider funding the Water Resource Districts for future expenses related to FEMA floodplain mapping. Discussion: Mr. Montplaisir said assigning this task to the Water Resource Districts was a good option, but the funding should have been discussed and settled at that time.

Mr. Olson clarified that the motion is to recommend to the commission that only future reimbursements be considered. Mr. Steen said yes.

Mr. Olson said as the Water Resource District was asked to take on this task they should be paid for it.

On roll call vote, the motion failed with Mr. Steen voting “Yes”; Mrs. Scherling, Mr. Montplaisir, Mr. Wilson, Mr. Olson, and Mr. Benson voting “No”.

MOTION, passed

Mr. Wilson moved and Mr. Olson seconded to recommend the county commission consider reimbursing the Water Resource District retroactively, in addition to funding future expenses related to FEMA floodplain mapping. Discussion: Mrs. Scherling said a policy should be set for this matter so there is clear guidance on how to handle such a situation in the future.

On roll call vote, the motion carried with Mrs. Scherling, Mr. Montplaisir, Mr. Wilson, Mr. Olson, and Mr. Benson voting “Yes”; Mr. Steen voting “No”.

Mr. Steen said he would like a copy of the balance sheet for each Water Resource District made available when this issue is discussed by the county commission.

4. RUSH AND SHEYENNE RIVERS SNAGGING AND CLEARING

Mr. Opat said the State Water Commission has previously funded 50% of the cost of clearing debris from rivers. As the legislature is no longer matching funds for this work, a request has been submitted to this committee for consideration as approximately \$800,000 per year is spent on this activity.

Mrs. Scherling said this project is not in line with the spirit of the policy, which generally encompasses one-time projects.

Mrs. Scherling said the water boards should continue trying to get funding reinstated from the legislature and the county commission will also advocate the issue on their behalf.

MOTION, passed

Mr. Steen moved and Mr. Wilson seconded to deny the requests for the Rush River and Sheyenne River snagging and clearing. Discussion: Mr. Olson asked if the request can come back to this group if the state does not bring funding back. Mr. Steen said the request is eligible to come back but if the state will not fund this activity a request should be made to the legislature to lift the cap on the mill levy for Water Resource Districts. On roll call vote, the motion carried unanimously.

5. FLOOD SALES TAX POTENTIAL PROJECTS FORECAST

Mr. Benson said following the last meeting, he met with Mr. Opat and Engineer

Brandon Oye to identify potential future projects and associated costs. The goal of the exercise was to gather information to assist in determining how much additional funding from the flood sales tax can go to the Diversion Authority.

Mr. Oye and Mr. Opat reviewed potential projects, which were broken into rural city projects and Water Resource District projects.

Mr. Montplaisir said the flood sales tax is stabilizing after multiple years of falling revenues. The county's Flood Sales Tax Fund currently takes 9% of the revenues for rural projects.

Mrs. Scherling said she would like to see a balance maintained in the fund for projects, but does not want a large fund balance to accrue without being used.

Mr. Steen said the point of creating the projects forecast was to determine a satisfactory fund balance before lowering the percentage of funds retained by the county. During the previous meeting, it was determined that project expenditures have averaged \$2.5 million per year, which is about 6% of the sales tax.

Mr. Steen asked if the 6% figure should be brought to the Diversion Authority. Mrs. Scherling said a decision should not be made today and she would like a recommendation from Mr. Montplaisir at a future date.

Mr. Steen said the Diversion Authority is working on financing and has asked the county to make a decision on how much funding to relinquish going forward. He said perhaps Mr. Montplaisir can come up with some figures for the Finance Committee to discuss.

Mr. Montplaisir said discussions thus far have entailed retaining an unobligated balance of funds before reducing the percentage.

6. ADJOURNMENT

There being no further business, the meeting was adjourned at 2:04 PM.

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
PROJECTS

ADOPTED DATE: DECEMBER 4, 2017

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PURPOSE

The purpose of this policy is to provide guidance for the administration and funding of projects with Cass County Flood Control Sales Tax funds.

GENERAL PROVISIONS

As passed during the 2010 election and extended in the 2016 election, the voters approved the following: The Cass County Home Rule Charter be amended to extend the existing flood-protection-related sales, use, and gross receipts tax of one-half of one percent (1/2%) to be used solely for the engineering, land purchase, construction, and maintenance of flood control measures including the Metro Flood Diversion Project including associated special assessments and indebtedness, through December 31, 2084, and shall be rescinded when all of the costs, obligations, and debt for said project have been paid in full and satisfied, whichever event occurs first as provide in Resolution #2016-20.

Cass County Commission Policy 38.23 outlines Ordinance #2010-2 Amended (Flood Control Sales Tax) which serves as the ordinance for the establishment and regulation of the Cass County Flood Control Sales Tax.

This policy governs expenditures of funds from a one half percent County sales tax that started in 2011 and will end in 2084 to fund flood risk reduction projects. The primary purpose of the sales tax measure is to fund local costs associated with a planned Fargo Moorhead Area Flood Diversion project in either Minnesota or North Dakota. The planned diversion project will not address all flood damage risks in Cass County. Additional measures are necessary to reduce risk to areas within and outside of the diversion perimeter. Sales tax proceeds may also be expended for the Diversion and other flood risk reduction or recovery projects subject to funding availability and approval by the County Commission. The County sales tax proceeds should be used to leverage other sources of funding when possible.

County sales tax funds expended within incorporated cities: The County Commission through the Flood Sales Tax Committee may consider requests for flood risk reduction and recovery funding from cities within Cass County. The city will be responsible for planning and engineering costs associated with the project. Plans and specifications should be prepared by a professional engineer registered within the State of North Dakota. Projects won't be considered if they are strictly for new city development, especially cases where a developer would be shifting their cost to the County Flood Sales Tax. The city should also be able to demonstrate that other revenue sources for the project have been actively sought out. The preferred funding split is that City funds match the County sales tax proceeds on a 1:1 basis. Other funding splits may be considered by the Commission on a case by case basis to allow consideration to be given to unique circumstances and the ability of the City to pay 50% of the local cost share.

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
PROJECTS

ADOPTED DATE: DECEMBER 4, 2017

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County sales tax funds expended outside of incorporated cities: The County Commission, through the Flood Sales Tax Committee, may also consider flood risk reduction and recovery projects recommended by the County Engineer or requested by townships, neighborhood groups, or individuals for areas within and outside of the diversion protected area. Projects won't be considered if they are strictly for new rural development, especially cases where a developer would be shifting their cost to the County Flood Sales Tax. Special assessments may be considered as a local match to County sales tax funds. Funds may be expended for projects that provide benefit to Cass County residents but are physically constructed outside of the County boundaries such as retention projects. Funds may also be spent to assist property owners downstream from the diversion channel in offsetting diversion project impacts.

ADMINISTRATION

The Cass County Commission will organize and appoint members to a Flood Sales Tax Committee. This will be a six-member committee made up of the following members:

1. Two members of the Cass County Commission
2. Cass County Auditor
3. Cass County Administrator
4. Cass County Engineer
5. One member from either the Southeast Cass, Maple River, Rush River, or North Cass Water Resource District.

The Flood Sales Tax Committee will solicit project requests on a bi-annual basis. Meetings to review project requests will generally be held with one meeting in the fall (October-November) and one meeting in the spring (March-April). Requests received from political subdivisions and county staff for cost effective projects will be prioritized and considered for funding by the County Commission as funds available allow.

FUNDING ELIGIBILITY

Entities eligible for funding: Funding should generally be for flood protection for communities or individuals that live outside of the Diversion protected area or those within the Diversion protected area that do not receive a significant benefit from the Diversion. This includes:

1. Cities
2. Townships
3. Water Resource Districts
4. Farmsteads and Homesteads

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
PROJECTS

ADOPTED DATE: DECEMBER 4, 2017

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Types of projects eligible for funding:

1. Levee construction or recertification for cities or rural subdivisions. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards and be able to bring the benefited area out of the 1% chance (100 year) floodplain. These levees would also need to be maintained at that standard by either the city or township that is a member of the National Flood Insurance Program. Rural subdivisions seeking this funding would need to complete an agreement with the township and form an assessment district for the long term maintenance of the levee.
2. Flood control projects.
3. Water retention or detention projects.
4. Dam construction or maintenance.
5. Lift Stations for removing storm water from within a levee protected area.
6. Rural Farmstead Ring Levees (in conjunction with the ND State Water Commission 50% cost share) as outlined on the ND State Water Commission website under "Cost Share" at http://www.swc.state.nd.us/project_development/cost_share.html. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards. However, individual rural farmsteads cannot be "certified" by FEMA or the US Army Corps of Engineers as they not maintained by either a city or township that is a member of the National Flood Insurance Program.
7. Road Projects that provide infrastructure protection to prevent significant future flood damage. These requests may be standalone projects or in conjunction with post-flood damage repair with or without FEMA cost share.
8. Road access (road raises or other infrastructure improvements that will allow access to a city, subdivision, or rural residence/farmstead).
9. Embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains.
10. Home buyouts for flooding and bank slumping.
11. Flood Recovery projects to include: Levee repair, road repair, bridge repair, and other infrastructure related repair projects. None infrastructure flood recovery such as debris removal and sandbag cleanup will not be eligible.

Cass County Sales Tax Cost Share:

1. Generally the cost share will be 50% of the "local" share of the non-retention projects, i.e. if a \$100,000 project had a 50% state cost share, the local share would be \$50,000 and the County cost share would be \$25,000.
2. Policy for Retention Projects: Cost share is 75% of the "local" share if they are approved by the Red River Joint Water Resource District.
3. Home buyouts for flooding and bank slumping: Cost share is 90% of the "local" cost with the homeowner paying 10% of the "local" cost.

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
PROJECTS

ADOPTED DATE: DECEMBER 4, 2017

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4. If significant funds are available compared to the project requests, the County may authorize a cost share above 50% for non-retention projects and above 75% for Retention Projects.

PROJECT PRIORITIES

Priority of projects will be based on the following:

1. Population benefited by the project
2. Distribution of funds by location
3. Disbursement percentage determined by the number of people benefited
4. Cost effectiveness of the project
5. Permanency of the project
6. Effect of the diversion on the project
7. Does the project have long-term merit (benefits extend beyond 10 years)
8. Other sources of funding from local, state, or federal cost share programs.

Evaluation Criteria: The County Commission and/or Flood Sales Tax Committee may use some or all of the following criteria in determining funding priorities:

1. Benefit cost ratio
2. Land area benefited
3. Population benefited
4. Downstream flood reduction
5. Total acre-feet of retention storage

HISTORICAL REFERENCE: AUGUST 2, 2010

Cass County Flood Sales Tax Potential Project Forecast - Draft List for Years 2019-2030
11/14/2018

Project Name	Project Sponsor	Project Type	Request Year	Total Cost	State Water Comm.		Red River Joint WRD		Cass Cnty Flood Sales Tax		Local	Notes
					%	SWC Total	%	RRJWRD Total	%	Sales Tax Total		
Rural City Projects												
Amenia Levee	CCJWRD/Amenia	Levee	2019/2020	\$ 3,000,000	60%	\$ 1,800,000	0%	\$ -	75%	\$ 900,000	\$ 300,000	Very rough estimate
Leonard's Way Flood Protection	City of Argusville	Levee	2020	\$ 1,000,000	60%	\$ 600,000	0%	\$ -	75%	\$ 300,000	\$ 100,000	Leonard's Way due to new FEMA floodplain
East View Flood Protection	City of Casselton	Levee	2022	\$ 500,000	60%	\$ 300,000	0%	\$ -	75%	\$ 150,000	\$ 50,000	
Original Townsite Retention	City of Casselton	Internal Retention	2023	\$ 1,500,000	0%	\$ -	0%	\$ -	75%	\$ 1,125,000	\$ 375,000	
Industrial Park Retention	City of Casselton	Internal Retention	2024	\$ 1,500,000	0%	\$ -	0%	\$ -	75%	\$ 1,125,000	\$ 375,000	
Gardner	City of Gardner	Flood Control	2025	\$ 2,500,000	60%	\$ 1,500,000			75%	\$ 750,000	\$ 250,000	Drainage improvements; levee
Flood Control Improvements	City of Harwood	Flood Control	2021	\$ 100,000	0%	\$ -	0%	\$ -	75%	\$ 75,000	\$ 25,000	storm water control structures
Levee Improvements	City of Harwood	Levee	2021	\$ 500,000	0%	\$ -	0%	\$ -	75%	\$ 375,000	\$ 125,000	will need to coordinate with accepted Diversion Plan
Hunter Dam reconstruction	City of Hunter	Retention	2030	\$ 1,500,000	60%	\$ 900,000	65%	\$ 390,000	75%	\$ 157,500	\$ 52,500	Dam= 545 ac-ft x \$2,000/ac-ft+ extra
Original Townsite Retention	City of Kindred	Internal Retention	2023	\$ 1,500,000	0%	\$ -	0%	\$ -	75%	\$ 1,125,000	\$ 375,000	
Development Park Flood Protection	City of Mapleton	Levee	2021	\$ 500,000	60%	\$ 300,000	0%	\$ -	75%	\$ 150,000	\$ 50,000	
Tower City Drainage Improvements	City of Tower City	Flood Control	2030	\$ 250,000					75%	\$ 187,500	\$ 62,500	
Rural City Project Total Costs				\$ 14,350,000		\$ 5,400,000		\$ 390,000		\$ 6,420,000	\$ 2,140,000	
Water Resource District Projects												
Snagging & Clearing	WRD	Snagging & Clearing	Annual	\$ 100,000	0%	\$ -	0%	\$ -	75%	\$ 75,000	\$ 25,000	Annual
Upper Maple Impoundment #1	CCJWRD	Retention	2020	\$ 16,000,000	60%	\$ 9,600,000	65%	\$ 4,160,000	75%	\$ 1,680,000	\$ 560,000	Site 5= 8,000 ac-ft @ spillway x \$2,000/ac-ft
Upper Maple Impoundment #2	CCJWRD	Retention	2021	\$ 9,400,000	60%	\$ 5,640,000	65%	\$ 2,444,000	75%	\$ 987,000	\$ 329,000	Site 2A= 4,700 ac-ft @ spillway x \$2,000/ac-ft
Floodway Buyouts	CCJWRD	Buyout		\$ 1,000,000	0%	\$ -	0%	\$ -	90%	\$ 900,000	\$ 100,000	FEMA=80%, Sales Tax=90% of local cost
FEMA mapping/Floodplain Management	CCJWRD		2019-2084	\$ 65,000	0%	\$ -	0%	\$ -	75%	\$ 48,750	\$ 16,250	
Upper Maple River Dam- Improvement	Maple River WRD	Retention	2019	\$ 100,000	0%	\$ -	65%	\$ 65,000	75%	\$ 26,250	\$ 8,750	
Tower Township Project #77	Maple River WRD	Retention/Drainage	2020	\$ 6,000,000	45%	\$ 2,700,000	0%	\$ -	25%	\$ 825,000	\$ 2,475,000	Committee approved 25%, but not list in obligations
Surface/Subsurface Drainage Study	RRBC/CCJWRD	Retention/Drainage								\$ -	\$ -	Future projects could come out of this study
Snagging & Clearing	Southast Cass WRD	Snagging & Clearing	Annual	\$ 400,000	0%	\$ -	0%	\$ -	75%	\$ 300,000	\$ 100,000	Annual
Watershed Dam Repairs	WRDs	Retention	Annual	\$ 5,000	0%	\$ -	0%	\$ -	75%	\$ 3,750	\$ 1,250	Annual
EAP Updates	WRDs	EAP	Annual	\$ 5,000	0%	\$ -	0%	\$ -	75%	\$ 3,750	\$ 1,250	Annual
Water Resource District Project Total Cost				\$ 33,075,000		\$17,940,000		\$ 6,669,000		\$ 4,849,500	\$ 3,616,500	
Grand Total				\$ 47,425,000		\$23,340,000		\$ 7,059,000		\$ 11,269,500	\$ 5,756,500	

Current County Projects			
12/31/2018			
Project	Total Approved	Paid	Left to Pay
Round Hill Project	\$ 350,696.00	\$ 350,696.00	\$ -
City of Oxbow Diking	\$ 105,284.29	\$ 105,284.29	\$ -
2012 City of Argusville Diking	\$ 168,925.00	\$ 168,925.00	\$ -
2012 Maple-Steele WRD Study	\$ 20,562.00	\$ 20,562.00	\$ -
2012 City of Mapleton - Lift Station	\$ 52,500.00	\$ 52,500.00	\$ -
2013 Pontiac Township - Project No 73	\$ 448,000.00	\$ 448,000.00	\$ -
2013 City of Argusville - Levee improvement	\$ 23,874.73	\$ 23,874.73	\$ -
2013 City of Casselton - Levee Repairs	\$ 23,750.00	\$ 18,710.95	\$ 5,039.05
2013 Maple-Steele - Dam Project	\$ 17,500.00	\$ 1,793.70	\$ 15,706.30
2014 City of Mapleton Levee Recertification 2012-1	\$ 543,324.58	\$ 543,324.58	\$ -
2014 Pontiac township Project no 73 additional	\$ 52,000.00	\$ 52,000.00	\$ -
2014 Upper Maple River Dam	\$ 706,000.00	\$ 706,000.00	\$ -
2014 Lake Bertha Flood Water Detention (reduced from 242500)	\$ 66,215.45	\$ 66,215.45	\$ -
2014 Detention project Development	\$ -	\$ -	\$ -
2015 Normanna Township Slide Repair and Road Move	\$ 40,500.00	\$ 40,500.00	\$ -
2015 Upper Maple River Detention Study Phase II	\$ 45,500.00	\$ -	\$ 45,500.00
2015 Rush River Detention Study Phase II	\$ 45,500.00	\$ -	\$ 45,500.00
2015 Swan Creek Detention Study Phase II	\$ 45,500.00	\$ 10,990.59	\$ 34,509.41
2015 Harwood Levee Improvements	\$ 556,935.00	\$ 454,785.47	\$ 102,149.53
2015 Casselton Industrial Park Improvements	\$ 255,000.00	\$ 253,000.67	\$ 1,999.33
2015 Reed Township Road Raise	\$ 60,308.18	\$ 60,308.18	\$ -
2016 City of Mapleton Levee Raise	\$ 99,812.68	\$ 88,057.80	\$ 11,754.88
2016 City of Mapleton Levee Recert change order	\$ 14,867.00	\$ 14,867.00	\$ -
2016 Erie Dam Repairs (25,000 removed)	\$ -	\$ -	\$ -
2016 Absaraka Dam Repairs	\$ 11,183.50	\$ 11,183.50	\$ -
2016 Garsteig Dam Repairs	\$ 12,202.64	\$ 12,202.64	\$ -
2016 Embden Dam Repairs	\$ 10,263.87	\$ 10,263.87	\$ -
2016 Drain 77 Study Maple River Water Resource	\$ 20,000.00	\$ 20,000.00	\$ -
2017 Upper Maple River Dam Project	\$ 361,500.00	\$ 361,500.00	\$ -
2017 Erie Dam Project (10,000 removed)	\$ -	\$ -	\$ -
2017 Casselton Map Revision Project	\$ 12,472.45	\$ 12,472.45	\$ -
2017 Davenport Flood Risk Reduction Project	\$ 32,500.00	\$ 32,500.00	\$ -
2017 Sheldon Addition Ring Levee Project	\$ 462,750.00	\$ -	\$ 462,750.00
2017 Casselton Storm Water Improvements Projects	\$ 128,762.04	\$ 128,762.04	\$ -
2018 City of Arthur Storm Sewer	\$ 266,250.00	\$ 19,992.54	\$ 246,257.46
2018 City of Hunter Dam Projects	\$ 23,645.25	\$ 7,876.50	\$ 15,768.75
2018 Red River Basin Commission	\$ 125,000.00	\$ -	\$ 125,000.00
2018 Mapleton Levy Recertification	\$ 30,323.00	\$ -	\$ 30,323.00
Total	\$ 5,239,407.66	\$ 4,097,149.95	\$ 1,142,257.71

Reserve for County Projects 2018 Activity

Balance of Cash Carried forward from 2018	\$ 6,483,856.11
2018 Reserves (9%)	-
Total	<u>6,483,856.11</u>
Paid in 2019	-
Encumbrances	<u>1,142,257.71</u>
Un-encumbered Balance	<u><u>\$ 5,341,598.40</u></u>

Estimate
Assumed G 103%

CASH BASIS

Year	Amount	Chg from Prev Yr	Running Tot:	Using 2012 as a base.			Actual Over (Under) Projection			Cumulative Over (Under) Projection		
				3%	2%	1%	3%	2%	1%	3%	2%	1%
2011	\$ 7,612,423	Partial Year										
2012	\$ 14,494,309		\$ 14,494,309	\$ 14,494,309	\$ 14,494,309	\$ 14,494,309						
2013	\$ 14,964,867		103.25%	14,929,138	14,784,195	14,639,252	\$ 35,729	\$ 180,672	\$ 325,615	\$ 35,729	\$ 180,672	\$ 325,615
2014	\$ 15,986,941	\$ 1,022,074	106.83%	15,377,012	15,079,879	14,785,645	\$ 609,929	\$ 907,062	\$ 1,201,297	\$ 645,657	\$ 1,087,734	\$ 1,526,911
2015	\$ 16,929,904	\$ 942,963	105.90%	15,838,323	15,381,477	14,933,501	\$ 1,091,581	\$ 1,548,427	\$ 1,996,403	\$ 1,737,239	\$ 2,636,161	\$ 3,523,314
2016	\$ 16,179,223	\$ (750,681)	95.57%	16,313,472	15,689,106	15,082,836	\$ (134,250)	\$ 490,117	\$ 1,096,387	\$ 1,602,989	\$ 3,126,278	\$ 4,619,701
2017	\$ 15,530,079	\$ (649,143)	95.99%	16,802,877	16,002,888	15,233,664	\$ (1,272,797)	\$ (472,809)	\$ 296,415	\$ 330,192	\$ 2,653,469	\$ 4,916,116
2018	\$ 15,582,873	\$ 52,794	100.34%	17,306,963	16,322,946	15,386,001	\$ (1,724,090)	\$ (740,073)	\$ 196,872	\$ (1,393,898)	\$ 1,913,396	\$ 5,112,988

Cass County Flood Sales Tax Potential Project Forecast - Draft List for Years 2019-2030
11/14/2018

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					%	SWC Total	%	RRJWRD Total	%	Sales Tax Total		
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East View Flood Protection	City of Casselton	Levee	2022	\$ 500,000	60%	\$ 300,000	0%	\$ -	75%	\$ 150,000	\$ 50,000	
Original Townsite Retention	City of Casselton	Internal Retention	2023	\$ 1,500,000	0%	\$ -	0%	\$ -	75%	\$ 1,125,000	\$ 375,000	
Industrial Park Retention	City of Casselton	Internal Retention	2024	\$ 1,500,000	0%	\$ -	0%	\$ -	75%	\$ 1,125,000	\$ 375,000	
Gardner	City of Gardner	Flood Control	2025	\$ 2,500,000	60%	\$ 1,500,000			75%	\$ 750,000	\$ 250,000	Drainage improvements; levee
Flood Control Improvements	City of Harwood	Flood Control	2021	\$ 100,000	0%	\$ -	0%	\$ -	75%	\$ 75,000	\$ 25,000	storm water control structures
Levee Improvements	City of Harwood	Levee	2021	\$ 500,000	0%	\$ -	0%	\$ -	75%	\$ 375,000	\$ 125,000	will need to coordinate with accepted Diversion Plan
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Tower City Drainage Improvements	City of Tower City	Flood Control	2030	\$ 250,000					75%	\$ 187,500	\$ 62,500	
Rural City Project Total Costs				\$ 14,350,000		\$ 5,400,000		\$ 390,000		\$ 6,420,000	\$ 2,140,000	
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Upper Maple Impoundment #1	CCJWRD	Retention	2020	\$ 16,000,000	60%	\$ 9,600,000	65%	\$ 4,160,000	75%	\$ 1,690,000	\$ 560,000	Site 5= 8,000 ac-ft @ spillway x \$2,000/ac-ft
Upper Maple Impoundment #2	CCJWRD	Retention	2021	\$ 9,400,000	60%	\$ 5,640,000	65%	\$ 2,444,000	75%	\$ 987,000	\$ 329,000	Site 2A= 4,700 ac-ft @ spillway x \$2,000/ac-ft
Floodway Buyouts	CCJWRD	Buyout		\$ 1,000,000	0%	\$ -	0%	\$ -	90%	\$ 900,000	\$ 100,000	FEMA=80%, Sales Tax=90% of local cost
FEMA mapping/Floodplain Management	CCJWRD		2019-2084	\$ 65,000	0%	\$ -	0%	\$ -	75%	\$ 48,750	\$ 16,250	
Upper Maple River Dam- Improvement	Maple River WRD	Retention	2019	\$ 100,000	0%	\$ -	65%	\$ 65,000	75%	\$ 26,250	\$ 8,750	
Tower Township Project #77	Maple River WRD	Retention/Drainage	2020	\$ 6,000,000	45%	\$ 2,700,000	0%	\$ -	25%	\$ 825,000	\$ 2,475,000	Committee approved 25%, but not list in obligations
Surface/Subsurface Drainage Study	RRBC/CCJWRD	Retention/Drainage								\$ -	\$ -	Future projects could come out of this study
Snagging & Clearing	Southast Cass WRD	Snagging & Clearing	Annual	\$ 400,000	0%	\$ -	0%	\$ -	75%	\$ 300,000	\$ 100,000	Annual
Watershed Dam Repairs	WRDs	Retention	Annual	\$ 5,000	0%	\$ -	0%	\$ -	75%	\$ 3,750	\$ 1,250	Annual
EAP Updates	WRDs	EAP	Annual	\$ 5,000	0%	\$ -	0%	\$ -	75%	\$ 3,750	\$ 1,250	Annual
Water Resource District Project Total Cost				\$ 33,075,000		\$17,940,000		\$ 6,669,000		\$ 4,849,500	\$ 3,616,500	
Grand Total				\$ 47,425,000		\$23,340,000		\$ 7,059,000		\$ 11,269,500	\$ 5,756,500	

Growth Factor 100.00%

Assuming no growth in Sales Tax and the County Keeping 6%

Retainage beyond 2018

Year	Amount Received	9% Reserve	6%	Project Name	Amount Encumbered	Balance
2011	\$ 7,619,287	\$ 685,736			\$ 455,980	\$ 229,755
2012	\$ 14,530,075	\$ 1,307,707			\$ 241,987	\$ 1,295,475
2013	\$ 15,012,832	\$ 1,351,155			\$ 513,125	\$ 2,133,505
2014	\$ 16,015,790	\$ 1,441,421			\$ 1,367,540	\$ 2,207,387
2015	\$ 16,981,159	\$ 1,528,304			\$ 1,049,243	\$ 2,686,448
2016	\$ 16,239,726	\$ 1,461,575			\$ 168,330	\$ 3,979,693
2017	\$ 15,546,903	\$ 1,399,221			\$ 997,984	\$ 4,380,930
2018	\$ 15,620,962	\$ 1,405,887			\$ 445,218	\$ 5,341,598
2019	\$ 1,331,036	\$ 119,793			\$ -	\$ 5,461,392
						\$ 5,461,392
						\$ 5,461,392
2019	\$ 15,620,962	\$ 937,258		Davenport project (year remains uncertain)	\$ 1,425,000	\$ 4,036,392
2019				Amenia Levee	\$ 900,000	\$ 4,073,649
2020	\$ 15,620,962	\$ 937,258		MRWRD Upper Maple River Dam Imp	\$ 26,250	\$ 4,047,399
				Argusville Leonard's Way Flood Protection	\$ 300,000	\$ 4,684,657
2020				CCJWRD Upper Maple Impoundment #1	\$ 1,680,000	\$ 3,004,657
2020				MRWRD Tower Twp Project #77	\$ 825,000	\$ 2,179,657
2021	\$ 15,620,962	\$ 937,258		Harwood Flood Control Improvements	\$ 75,000	\$ 3,041,915
2021				Harwood Levee Improvements	\$ 375,000	\$ 2,666,915
2021				Mapleton Levee Development Park	\$ 150,000	\$ 2,516,915
2021				CCJWRD Upper Maple Impoundment #1	\$ 987,000	\$ 1,529,915
2022	\$ 15,620,962	\$ 937,258		Casselton East View Fflow Protection	\$ 150,000	\$ 2,317,173
2023	\$ 15,620,962	\$ 937,258		Kindred Internal Retention Original Townsite	\$ 1,125,000	\$ 2,129,430
2023				Casselton Original Townsite Retention	\$ 1,125,000	\$ 1,004,430
2024	\$ 15,620,962	\$ 937,258		Casselton Industrial Park Retention	\$ 1,125,000	\$ 816,688
2025	\$ 15,620,962	\$ 937,258		Gardner Flood Control	\$ 750,000	\$ 1,003,946
2026	\$ 15,620,962	\$ 937,258				\$ 1,941,204
2027	\$ 15,620,962	\$ 937,258				\$ 2,878,461
2028	\$ 15,620,962	\$ 937,258				\$ 3,815,719
2029	\$ 15,620,962	\$ 937,258				\$ 4,752,977
2030	\$ 15,620,962	\$ 937,258		Tower City Drainage Improvements	\$ 187,500	\$ 5,502,735
2030				Hunter Dam Reconstruction	\$ 157,500	\$ 5,345,235
				Total	\$ 11,363,250	
City Projects	\$ 3,518,250			Snagging (Annual)	\$ 75,000	
WRD Projects	\$ 7,845,000			Snagging (Annual)	\$ 300,000	
	\$ 11,363,250			Dam Repairs (Annual)	\$ 3,750	
				EPA Updates (Annual)	\$ 3,750	
				Total Annual Expenses asked for	\$ 382,500	
We have funds in the Emergency/Flood Mitigation Fund				Floodway Buyouts	\$ 900,000	
				FEMA Mapping/Flood Plain Management	\$ 48,750	
				Flood Mitigation / General Funds	\$ 948,750	

Approved contingent upon state water commission funding

Growth Factor 101.50%

Assuming 1.5% growth in Sales Tax and the County Keeping 6%

Retainage beyond 2018		6%		Project Name	Amount Encumbered	Balance
Year	Amount Received	9% Reserve				
2011	\$ 7,619,287	\$ 685,736			\$ 455,980	\$ 229,755
2012	\$ 14,530,075	\$ 1,307,707			\$ 241,987	\$ 1,295,475
2013	\$ 15,012,832	\$ 1,351,155			\$ 513,125	\$ 2,133,505
2014	\$ 16,015,790	\$ 1,441,421			\$ 1,367,540	\$ 2,207,387
2015	\$ 16,981,159	\$ 1,528,304			\$ 1,049,243	\$ 2,686,448
2016	\$ 16,239,726	\$ 1,461,575			\$ 168,330	\$ 3,979,693
2017	\$ 15,546,903	\$ 1,399,221			\$ 997,984	\$ 4,380,930
2018	\$ 15,620,962	\$ 1,405,887			\$ 445,218	\$ 5,341,598
2019	\$ 1,331,036	\$ 119,793			\$ -	\$ 5,461,392
						\$ 5,461,392
						\$ 5,461,392
				Davenport project (year remains uncertain)	\$ 1,425,000	\$ 4,036,392
2019	\$ 15,620,962	\$ 937,258		Amenia Levee	\$ 900,000	\$ 4,073,649
2019				MRWRD Upper Maple River Dam Imp	\$ 26,250	\$ 4,047,399
2020	\$ 15,855,277	\$ 951,317		Argusville Leonard's Way Flood Protection	\$ 300,000	\$ 4,698,716
2020				CCJWRD Upper Maple Impoundment #1	\$ 1,680,000	\$ 3,018,716
2020				MRWRD Tower Twp Project #77	\$ 825,000	\$ 2,193,716
2021	\$ 16,093,106	\$ 965,586		Harwood Flood Control Improvements	\$ 75,000	\$ 3,084,302
2021				Harwood Levee Improvements	\$ 375,000	\$ 2,709,302
2021				Mapleton Levee Development Park	\$ 150,000	\$ 2,559,302
2021				CCJWRD Upper Maple Impoundment #1	\$ 987,000	\$ 1,572,302
2022	\$ 16,334,503	\$ 980,070		Casselton East View Fflow Protection	\$ 150,000	\$ 2,402,372
2023	\$ 16,579,520	\$ 994,771		Kindred Internal Retention Original Townsite	\$ 1,125,000	\$ 2,272,144
2023				Casselton Original Townsite Retention	\$ 1,125,000	\$ 1,147,144
2024	\$ 16,828,213	\$ 1,009,693		Casselton Industrial Park Retention	\$ 1,125,000	\$ 1,031,836
2025	\$ 17,080,636	\$ 1,024,838		Gardner Flood Control	\$ 750,000	\$ 1,306,675
2026	\$ 17,336,846	\$ 1,040,211				\$ 2,346,885
2027	\$ 17,596,898	\$ 1,055,814				\$ 3,402,699
2028	\$ 17,860,852	\$ 1,071,651				\$ 4,474,350
2029	\$ 18,128,765	\$ 1,087,726				\$ 5,562,076
2030	\$ 18,400,696	\$ 1,104,042		Tower City Drainage Improvements	\$ 187,500	\$ 6,478,618
2030				Hunter Dam Reconstruction	\$ 157,500	\$ 6,321,118
				Total	\$ 11,363,250	
City Projects	\$ 3,518,250			Snagging (Annual)	\$ 75,000	
WRD Projects	\$ 7,845,000			Snagging (Annual)	\$ 300,000	
	\$ 11,363,250			Dam Repairs (Annual)	\$ 3,750	
				EPA Updates (Annual)	\$ 3,750	
				Total Annual Expenses asked for	\$ 382,500	
We have funds in the Emergency/Flood Mitigation Fund				Floodway Buyouts	\$ 900,000	
				FEMA Mapping/Flood Plain Management	\$ 48,750	
				Flood Mitigation / General Funds	\$ 948,750	

Approved contingent upon state water commission funding