

**IOWA FLOOD  
MITIGATION BOARD  
ANNUAL REPORT 2019**



**IOWA DEPARTMENT OF  
HOMELAND SECURITY AND  
EMERGENCY MANAGEMENT**

**V. Joyce Flinn  
Director**

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# Iowa Flood Mitigation Program

## Iowa Flood Mitigation Program

The Iowa Flood Mitigation Program was signed into law by Governor Terry Branstad in April 2012 as a mechanism to assist local governments in their efforts to break the cycle of damage, reconstruction, and repetitive damage caused by flooding. The program strives to reduce or eliminate the risk from, and effects of, flooding by providing funds for flood mitigation projects that otherwise would not be funded.

To administer the Flood Mitigation Program, the 2012 law created the Flood Mitigation Board. The Board is comprised of four voting public members appointed by the governor, five voting members representing State agencies, four nonvoting ex officio members of the Iowa General Assembly, and one nonvoting ex officio member representing a State agency. The present membership is:

Joyce Flinn, Chair, Iowa Department of Homeland Security and Emergency Management

- Dr. Amy Kaleita, Vice Chair, public member
- Lori Beary, Iowa Finance Authority
- Jake Hansen, on behalf of Michael Naig, Iowa Secretary of Agriculture
- Lori McDaniel, on behalf of Kayla Lyon, Iowa Department of Natural Resources
- Karen Austin, on behalf of Michael Fitzgerald, Treasurer of Iowa
- Jon Wolfe, on behalf of Kraig Paulsen, Iowa Department of Revenue
- Lorraine Glover, public member

- Ronald Herrig, public member
- John Torbert, public member
- Representative David Sieck, Iowa House of Representatives
- Representative Charlie McConkey, Iowa House of Representatives
- Senator Rob Hogg, Iowa Senate
- Senator Ken Rozenboom, Iowa Senate

Administrative assistance is provided to the Board by the Iowa Department of Homeland Security and Emergency Management (HSEMD). The Department also provides technical assistance to those governmental entities wishing to complete applications for the Board to consider.

As defined in Iowa Code Chapter 418, an eligible project “means the construction and reconstruction of levees, embankments, impounding reservoirs, or conduits that are necessary for the protection of property from the effects of floodwaters and may include the deepening, widening, alteration, change, diversion, or other improvement of watercourses if necessary for the protection of such property from the effects of floodwaters.”

Eligible applicants to the program are governmental entities. According to Chapter 418 “governmental entities” means any of the following:

- a county
- a city

# Iowa Flood Mitigation Program

- a joint board or other legal or administrative entity established or designated in an agreement pursuant to Iowa Code Chapter 28E or 28F between any of the following:
- two or more cities located in whole or in part within the same county
- a county and one or more cities that are located in whole or in part within the county
- a county, one or more cities that are located in whole or in part within the county, and a drainage district formed by mutual agreement under Iowa Code § 468.142 located in whole or in part within the county
- One or more counties, one or more cities that are located in whole or in part within those counties, and one or more sanitary districts established under Iowa Code Chapter 358 or a combined water and sanitary district as provided for in Iowa Code § 357.1B and Iowa Code § 358.1B, located in whole or in part within those counties.

The three funding sources to support the program are a sales tax increment, the Flood Mitigation Fund, and the Flood Recovery Fund.

The sales tax increment consists of the amount of increased sales tax revenue within the governmental entities' boundaries. The Iowa Department of Revenue works with the governmental entity to establish a base year, and in subsequent years, deposits those sales tax revenues that exceed the base year revenues into a separate account maintained by the State treasurer. By law, the Iowa Department of Revenue can only deposit 70 percent of the increment revenue into the account with the remainder going to the State general fund. Funds placed into the account are then made available to the governmental entity

to support its flood mitigation project. This funding cannot annually exceed \$15 million for individual governmental entities or \$30 million in aggregate for all governmental entities. The application period for sales tax increment funding closed Jan. 1, 2016. The board continues to work with the communities that were awarded funding through review of project status reports and makes adjustments if necessary.

The Flood Mitigation Fund is under the control of the Board and consists of monies appropriated by the Iowa General Assembly and any other monies available or obtained by the Board. Monies in the fund can be used to provide financial assistance to governmental entities in the form of grants, loans, and forgivable loans. The Board specifies the terms and conditions of any assistance provided from the fund. Presently, there are no monies in the fund.

During the 2019 legislative session, the Iowa General Assembly passed, and the governor approved, legislation that appropriated \$15 million into Iowa's Flood Recovery Fund. This fund is under the control of the Board and consists of monies appropriated by the Iowa General Assembly and any other monies available to, or accepted by, the Board for deposit in the fund. Monies in the fund can be used to provide financial assistance to a political subdivision of the state located in a county designated under Presidential Disaster Declaration DR-4421-IA (March 12-June 15, 2019) and also located in a county where the Federal Emergency Management Agency Individual Assistance Program was activated. Eligible projects must support flood response, recovery, or mitigation.

# Iowa Flood Mitigation Board Activities

## Iowa Flood Mitigation Board Activities

The Flood Mitigation Board convened in Des Moines for two meetings in 2019. Those meetings were held on May 20 and Sept. 16.

### May 20 Meeting

Technical assistance for application amendment development was provided to the sales tax increment applicants by the staff of HSEMD. At the May meeting:

- The Board unanimously approved the request submitted by the City of Iowa City to amend the agreement to extend the construction timeline to the end of June 2019 due to wet conditions through the winter and spring.
- The Board unanimously approved the request submitted by the City of Cedar Falls to amend the agreement to extend the construction timeline to the end of November 2019 due to wet conditions through the winter and spring.
- The Board unanimously approved the draft Flood Recovery Fund application form and draft Flood Recovery administrative rules (605-14.12(418)).

### Sept. 16 Meeting

Technical assistance for application amendment development was provided to the sales tax increment applicants and application development to the Flood Recovery Fund applicants by the staff of HSEMD. At the September meeting:

- The Board unanimously approved the request submitted by the City of Dubuque to amend the sales tax increment agreement to exchange sales tax increment funding for fiscal years 2017 and 2018, and also reallocating remittances from

2017 and 2018 to 2034. This approval was granted with the stipulation, as in the original agreement, that annual sales tax increment remittances shall be limited to the actual eligible tax increment as determined.

- The Board approved the application submitted by the City of Fredonia seeking Flood Recovery Fund funding in the amount of \$135,550.
- The Board approved the application submitted by the City of Hamburg seeking Flood Recovery Fund funding in the amount of \$940,856.55.
- The Board approved the application submitted by the City of Hamburg seeking Flood Recovery Fund funding in the amount of \$6,356,324.20.
- The Board approved the application submitted by the City of Hornick seeking Flood Recovery Fund funding in the amount of \$2,071,708.
- The Board approved the application submitted by Mills County seeking Flood Recovery Fund funding in the amount of \$2,341,923.
- The Board approved the application submitted by the City of Pacific Junction seeking Flood Recovery Fund funding in the amount of \$3,153,638.25.
- The Board deferred the application submitted by the City of Davenport seeking Flood Recovery Fund funding in the amount of \$454,230.
- The Board deferred the application submitted by Muscatine County seeking Flood Recovery Fund funding in the amount of \$157,750.
- The Board deferred the application submitted by Vanman Levee District seeking Flood Recovery Fund funding in the amount of \$2 million.

# Iowa Flood Mitigation Board Project Details

## Iowa Flood Mitigation Board Project Details

### Sales Tax Increment Projects

On the following pages are details on the 10 sales tax increment projects that have been approved by the Flood Mitigation Board to date.

Projects included are:

- City of Cedar Rapids
- City of Dubuque
- City of Iowa City
- City of Coralville
- City of Storm Lake
- City of Waverly
- City of Cedar Falls
- City of Council Bluffs
- City of Des Moines and Metropolitan Wastewater Reclamation Authority
- City of Burlington

The total cost for all 10 approved sales tax increment projects is \$1,383,505,438.

Sales tax increment - \$596,826,780

Federal funding - \$425,742,978

Local funding - \$360,935,679

It is anticipated that over the design life of these projects, more than \$6 billion in losses will be avoided.

A semi-annual progress report form was developed by HSEMD staff with reports due from the project applicants by May 15 and Nov. 15, 2019.

As of Oct. 31, 2019:

Total sales tax increment funds approved - \$596,826,780

Total sales tax increment funds expended - \$190,735,010

Remaining funds - \$406,091,770

Total funds expended to date:

Federal funding - \$337,668,775

Local funding - \$209,015,038

Sales tax increment - \$190,735,010

Total - \$737,418,823

Find semi-annual construction and spending progress reports at [www. homelandsecurity.iowa.gov/about\\_HSEMD/flood\\_mitigation\\_board.html](http://www.homelandsecurity.iowa.gov/about_HSEMD/flood_mitigation_board.html).

# Iowa Flood Mitigation Board Project Details

## Flood Recovery Fund Projects

On the following pages are details on the six projects that have been approved by the Flood Mitigation Board to date.

Projects included are:

- City of Fredonia
- City of Hamburg (two projects)
- City of Hornick
- Mills County
- City of Pacific Junction

The total cost for all six approved Flood Recovery Fund projects is \$59.3 million.

Flood recovery fund - \$15 million

Federal funding - \$34.1 million

State 10% match - \$4.3 million

Local funding - \$5.9 million

A semi-annual progress report form was developed by HSEMD staff with the first reports to be due from the project applicants by May 15, 2020.

As of Oct. 31, 2019:

Total flood recovery funds approved - \$15,000,000

Total flood recovery funds expended - \$0.00

Remaining funds - \$15,000,000

Total funds expended to date:

Federal funding amount - \$0.00

Local funding amount - \$0.00

Flood recovery fund amount - \$0.00

Total - \$0.00

Semi-annual construction and spending progress reports will be available in year 2020 at [www.homelandsecurity.iowa.gov/about\\_HSEMD/flood\\_mitigation\\_board.html](http://www.homelandsecurity.iowa.gov/about_HSEMD/flood_mitigation_board.html).

For more information on the Flood Mitigation Program, the Flood Mitigation Board, and projects approved by the Board, visit [www.homelandsecurity.iowa.gov/about\\_HSEMD/flood\\_mitigation\\_board.html](http://www.homelandsecurity.iowa.gov/about_HSEMD/flood_mitigation_board.html).



# Sales Tax Increment Projects

## City of Cedar Rapids

The City of Cedar Rapids amended its initial requested tax increment funding and the Board approved the amount of \$269,411,016 to provide 46 percent of the \$576,068,016 total project cost for flood mitigation on both sides of the Cedar River in Cedar Rapids. The goal of the proposed system when completed is to reduce or eliminate future damage resulting from flood events similar or less than the event that occurred in June of 2008. The proposed mitigation system includes construction of 6.24 miles of levee and floodwalls (permanent and removable), 11 pump stations, 21 roadway and railroad gate closures, improvements to a flood-prone bridge (elevation of approaches), and design on a second river crossing.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Cedar Rapids
Increment funds approved	\$	269,411,016
Federal funding	\$	175,882,000
Local funding	\$	130,775,000
Total project	\$	576,068,016
Nonpublic investment	\$	146,991,257
Avoided damage over design life (HSEMD provided number)	\$	1,025,800,000
Increment funds expended to date	\$	59,394,627
Increment funds remaining	\$	210,016,389
Federal funds expended to date	\$	99,232,057
Local funds expended to date	\$	28,763,418

Yearly Tax Increment		
2014	\$	2,499,988
2015	\$	10,700,000
2016	\$	7,689,027
2017	\$	10,381,241
2018	\$	13,140,760
2019	\$	15,000,000
2020	\$	15,000,000
2021	\$	15,000,000
2022	\$	15,000,000
2023	\$	15,000,000
2024	\$	15,000,000
2025	\$	15,000,000
2026	\$	15,000,000
2027	\$	15,000,000
2028	\$	15,000,000
2029	\$	15,000,000
2030	\$	15,000,000
2031	\$	15,000,000
2032	\$	15,000,000
2033	\$	15,000,000
2034	\$	-
2035	\$	-

# Sales Tax Increment Projects

## City of Dubuque

The Bee Branch Watershed Flood Mitigation Project is a multiphased approach to address the severe and frequent flash flooding experienced in the Bee Branch Watershed in the City of Dubuque. As outlined in the Drainage Basin Master Plan, the engineering report by HDR engineering (Omaha, Neb.), the improvements associated with the Bee Branch Watershed Flood Mitigation Project will mitigate the flooding experienced over the past 12 years in four ways: reduce the volume of floodwaters, reduce the flow of floodwaters, increase floodwater conveyance capacity through the watershed, and provide barriers between critical facilities and floodwaters. This multifaceted, holistic approach includes the following phases: 1. Carter Road Detention Basin, 2. West 32nd Street Detention Basin, 3. Historic Millwork District, 4. Lower Bee Branch Creek Restoration, 5. Flood Mitigation Gate Replacement, 6. Impervious Surface Reduction, 7. Upper Bee Branch Creek Restoration, 8. 22nd Street Storm Sewer Improvements, 9. Flood Mitigation Maintenance Facility, 10. North End Storm Sewer Improvements, 11. Water Plant Flood Protection, and 12. 17th Street Storm Sewer Improvements.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Dubuque
Increment funds approved	\$	98,494,178
Federal funding	\$	25,756,556
Local funding	\$	76,678,802
Total project	\$	200,929,536
Nonpublic investment	\$	103,395,673
Avoided damage over design life (HSEMD provided number)	\$	582,000,000
Increment funds expended to date	\$	61,364,497
Increment funds remaining	\$	37,129,681
Federal funds expended to date	\$	25,287,322
Local funds expended to date	\$	51,681,512

Yearly Tax Increment		
2014	\$	395,704
2015	\$	2,655,058
2016	\$	3,476,709
2017	\$	3,906,383
2018	\$	3,660,485
2019	\$	4,392,361
2020	\$	5,175,452
2021	\$	5,973,893
2022	\$	6,787,982
2023	\$	6,944,414
2024	\$	6,968,288
2025	\$	6,946,514
2026	\$	6,957,577
2027	\$	6,947,487
2028	\$	6,947,500
2029	\$	6,500,000
2030	\$	6,000,000
2031	\$	2,935,823
2032	\$	1,500,000
2033	\$	1,500,000
2034	\$	1,922,548
2035	\$	-

# Sales Tax Increment Projects

## City of Iowa City

The Iowa City project includes two steps involving the relocation of the wastewater treatment operations. The first step of the flood mitigation project was the relocation of wastewater operations from the north plant to a newer plant located south of Iowa City and out of the floodplain. This step involved designing the larger south facility, upgrading the south plant, and then expanding the south plant.

The second step of the project is to completely demolish the flood-prone north wastewater treatment facility site. The final step would be to create new flood capacity at the site by creating a five-acre wetland in the southern portion of the north plant area and stream bank restoration along Ralston Creek where it meets the Iowa River.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Iowa City
Increment funds approved	\$	8,497,249
Federal funding	\$	35,011,800
Local funding	\$	19,933,200
Total project	\$	63,442,249
Nonpublic investment	\$	168,500,000
Avoided damage over design life (HSEMD provided number)	\$	130,000,000
Increment funds expended to date	\$	8,331,895
Increment funds remaining	\$	165,354
Federal funds expended to date	\$	35,011,800
Local funds expended to date	\$	16,848,876

Yearly Tax Increment		
2014	\$	172,676.35
2015	\$	642,053.76
2016	\$	802,613.40
2017	\$	1,074,890.20
2018	\$	1,321,915.69
2019	\$	1,551,832.50
2020	\$	1,805,515.70
2021	\$	1,125,751.40
2022	\$	-
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-

# Sales Tax Increment Projects

## City of Coralville

This project consists of multiple small projects in two phases comprising a comprehensive approach to mitigating damage from both Clear Creek and Biscuit Creek, back-up flooding from the Iowa River, and overland flooding issues caused by rainfall during high water events. The City has already committed over \$13,750,000 of local, State, and federal funds to undertake work in the first phase of the project (already completed). This work includes construction of two new storm water pumping stations, storm water collection improvements to direct storm water to the pumping stations, and construction of over 2,400 linear feet of floodwalls and berms along the floodplain of the creeks, including a 710-foot section that is integrated into a private apartment complex parking structure. The project does not include the accompanying work completed, or in process, by the City of Iowa City or the University of Iowa. The City of Coralville partnered with Iowa City and the University of Iowa to create a comprehensive flood mitigation plan for the area around the Iowa River affected by the floods of 2008.

The uncompleted work (Phase II) involves two components: 1. Construction of a floodwall and 2. Elevating the 5th Street Bridge to prevent flooding of 5th Street and the area immediately adjacent to, and downstream of Biscuit Creek.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Coralville
Increment funds approved	\$	9,769,000
Federal funding	\$	8,546,161
Local funding	\$	5,204,498
Total project	\$	23,519,659
Nonpublic investment	\$	31,565,203
Avoided damage over design life (HSEMD provided number)	\$	57,000,000
Increment funds expended to date	\$	9,769,000
Increment funds remaining	\$	0
Federal funds expended to date	\$	8,546,161
Local funds expended to date	\$	6,862,645

Yearly Tax Increment		
2014	\$	82,199
2015	\$	1,470,793
2016	\$	1,419,311
2017	\$	1,471,023
2018	\$	1,471,023
2019	\$	1,471,023
2020	\$	557,954
2021	\$	-
2022	\$	-
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	1,825,674
2035	\$	-

# Sales Tax Increment Projects

## City of Storm Lake

The City of Storm Lake requested assistance from the Flood Mitigation Fund Program for help funding a project consisting of four separate phases as follows: 1. East Central Storm Water Project, 2. North Central Storm Water Project, 3. East 10th Street Project (street reconstruction due to North Central Project), 4. Expansion Boulevard Storm Water Project.

These four phases will address the worst flooding areas within the City of Storm Lake, providing relief to both residential and commercial/industrial properties within the corporate limits of the City of Storm Lake. The project is generally located on the east side of Storm Lake.

All phases of the project total an investment of \$8,166,121 in storm water management and cleaning in Storm Lake and will have a positive impact on more than 2,300 people and more than 3,000 properties.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Storm Lake
Increment funds approved	\$	4,083,060
Federal funding	\$	1,403,436
Local funding	\$	2,679,624
Total project	\$	8,166,120
Nonpublic investment	\$	500,000
Avoided damage over design life (HSEMD provided number)	\$	17,849,370
Increment funds expended to date	\$	4,083,060
Increment funds remaining	\$	0
Federal funds expended to date	\$	1,403,436
Local funds expended to date	\$	6,492,862

Yearly Tax Increment		
2014	\$	-
2015	\$	80,000
2016	\$	80,000
2017	\$	80,000
2018	\$	107,000
2019	\$	131,060
2020	\$	185,000
2021	\$	220,000
2022	\$	250,000
2023	\$	250,000
2024	\$	250,000
2025	\$	250,000
2026	\$	275,000
2027	\$	275,000
2028	\$	275,000
2029	\$	275,000
2030	\$	275,000
2031	\$	275,000
2032	\$	275,000
2033	\$	275,000
2034	\$	-
2035	\$	-

# Sales Tax Increment Projects

## City of Waverly

The Waverly flood mitigation improvements consist of mitigating flood hazards from the Cedar River and Dry Run Creek, which have overlapping floodplains. After the 2008 Cedar River flood the Waverly Dam was reconstructed with an inflatable dam that was completed in November of 2011, effectively eliminating the threat of flooding from the Cedar River for 450 homes and businesses (Phase 1). However, most of these homes and businesses are still at risk of flooding from Dry Run Creek. The City of Waverly is proposing to complete flood mitigation improvements that will permanently remove these properties from the FEMA 100-year floodplain.

The Dry Run Creek improvements were divided into three sections to better facilitate construction scheduling. Upon entering into an agreement for State funding assistance, the City of Waverly immediately began flood mitigation work starting with section A of Dry Run Creek from 4th Street SW (IA116) to W. Bremer Avenue (IA3) with construction occurring in 2015. Section B of Dry Run Creek from W. Bremer Avenue (IA3) to 7th Street NW was constructed in 2015-2016. Construction of section C of Dry Run Creek from 1st Street SW to 4th Street SW (IA116) was built in 2015-2016. Construction has been completed.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Waverly
Increment funds approved	\$	5,647,004
Federal funding	\$	4,223,898
Local funding	\$	1,430,000
Total project	\$	11,300,902
Nonpublic investment	\$	6,500,000
Avoided damage over design life (HSEMD provided number)	\$	56,000,000
Increment funds expended to date	\$	5,647,004
Increment funds remaining	\$	0
Federal funds expended to date	\$	4,247,759
Local funds expended to date	\$	3,568,548

Yearly Tax Increment		
2014	\$	152,384
2015	\$	236,446
2016	\$	313,965
2017	\$	398,087
2018	\$	488,081
2019	\$	575,332
2020	\$	579,990
2021	\$	582,873
2022	\$	580,092
2023	\$	580,300
2024	\$	579,079
2025	\$	580,375
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-

# Sales Tax Increment Projects

## City of Cedar Falls

After the historic flooding that occurred in June of 2008, the City of Cedar Falls decided that increasing the protection level of the downtown flood levee and floodwall system was one of the highest priorities for the City. The 2008 flood event exceeded the design for the existing levee system, and even with the assistance of emergency flood fighting procedures the levee was overtopped, flooding the Cedar Falls Utilities. The intent of this project is to increase the level of protection for the city to the 0.2 percent annual probability (500-year) level of protection. Increasing the flood protection levels for the city will require additional levee and/or floodwall extensions, modifications to existing storm sewer gate wells, modifications to closure structures (pedestrian and street openings), and modifications to areas with sand- bag closure plans. A technical memorandum has been submitted to the U.S. Army Corps of Engineers (USACE) which summarizes the existing conditions, recommends improvements to the system, and requests USACE approval to initiate final planning and design for improvement to the downtown Cedar Falls flood protection system.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Cedar Falls
Increment funds approved	\$	6,625,000
Federal funding	\$	4,812,000
Local funding	\$	1,813,000
Total project	\$	13,250,000
Nonpublic investment	\$	20,497,275
Avoided damage over design life (HSEMD provided number)	\$	187,694,302
Increment funds expended to date	\$	5,196,300
Increment funds remaining	\$	1,428,700
Federal funds expended to date	\$	4,812,000
Local funds expended to date	\$	1,996,781

Yearly Tax Increment		
2014	\$	0
2015	\$	995,586
2016	\$	1,793,137
2017	\$	1,727,065
2018	\$	646,991
2019	\$	0
2020	\$	-
2021	\$	-
2022	\$	-
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	1,462,221
2035	\$	-

# Sales Tax Increment Projects

## City of Council Bluffs

The Council Bluffs Flood Mitigation Project will consist of 22 unique improvements to the levee system to eliminate known deficiencies in order to meet current levee design and accreditation standards. The improvements will increase the redundancy, resiliency, and robustness of the levee system, thereby reducing the potential for catastrophic failure.

In addition to these levee improvements, the Indian Creek channel upstream of the leveed section is deteriorating and requires rehabilitation and replacement. The 76-year-old channel drains just over 15 square miles upstream of the city and is designed to safely convey floodwaters through critical portions of the city. The Indian Creek channel improvements include removal and replacement of open, concrete-lined channel, rehabilitation or replacement of existing bridge crossings, replacement of damaged sections of lateral pipes that outlet into the creek, and relocation or protection of critical, at-risk utilities, as funding permits.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout	
Applicant	Council Bluffs
Increment funds approved	\$ 57,000,000
Federal funding	\$ 22,800,000
Local funding	\$ 34,200,000
Total project	\$ 114,000,000
Nonpublic investment	\$ 7,563,263
Avoided damage over design life (HSEMD provided number)	\$ 2,307,515,725
Increment funds expended to date	\$ 10,517,280
Increment funds remaining	\$ 46,482,720
Federal funds expended to date	\$ 22,801,385
Local funds expended to date	\$ 10,309,660

Yearly Tax Increment	
2014	\$ -
2015	\$ 1,000,000
2016	\$ 1,695,000
2017	\$ 2,278,000
2018	\$ 2,871,000
2019	\$ 3,400,000
2020	\$ 2,200,000
2021	\$ 2,000,000
2022	\$ 2,350,000
2023	\$ 2,200,000
2024	\$ 2,200,000
2025	\$ 2,200,000
2026	\$ 2,700,000
2027	\$ 2,700,000
2028	\$ 2,750,000
2029	\$ 3,200,000
2030	\$ 3,700,000
2031	\$ 3,700,000
2032	\$ 5,350,000
2033	\$ 5,350,000
2034	\$ 3,156,000
2035	\$ -



# Sales Tax Increment Projects

## City of Des Moines & Wastewater Reclamation Authority

The City of Des Moines and Des Moines Metropolitan Wastewater Reclamation Authority (WRA) are working together in flood prevention efforts. The wastewater reclamation facility is located within the city limits of Des Moines and bounded on the south by the Des Moines River. Therefore, flooding in Des Moines, especially along the Des Moines River, has a direct impact on the WRA's ability to provide un-interrupted wastewater treatment service to its customers. In addition, interrupted service would impact the citizens, businesses, and economy of the City of Des Moines, as the city is the largest customer base of the WRA.

The proposed flood protection plan consists of four phases of comprehensive flood protection improvements for the City of Des Moines and WRA. This balanced flood mitigation approach includes modifications to levees, reducing water elevation by removing restrictions, and reducing flood risk due to rainfall interior to the levee system by upgrading storm sewer and pump station systems to meet FEMA standards. Phase 1 includes projects that have been completed and have been funded by various sources. Phase 2 includes projects that are currently underway. Phase 3 and Phase 4 include projects that have been identified by technical or professional studies that benefit the City of Des Moines and the WRA by increasing flood prevention and protection.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		DSM-WRA
Increment funds approved	\$	111,100,273
Federal funding	\$	130,270,434
Local funding	\$	67,239,013
Total project	\$	308,609,720
Nonpublic investment	\$	30,281,706
Avoided damage over design life (HSEMD provided number)	\$	1,527,655,795
Increment funds expended to date	\$	18,331,920
Increment funds remaining	\$	92,768,353
Federal funds expended to date	\$	128,213,355
Local funds expended to date	\$	77,993,420

Yearly Tax Increment		
2014	\$	-
2015	\$	-
2016	\$	12,454,364
2017	\$	7,157,182
2018	\$	4,220,931
2019	\$	2,775,220
2020	\$	3,646,793
2021	\$	4,100,179
2022	\$	3,884,705
2023	\$	3,726,214
2024	\$	3,549,750
2025	\$	3,414,434
2026	\$	3,300,942
2027	\$	3,151,191
2028	\$	2,939,276
2029	\$	2,772,786
2030	\$	2,606,680
2031	\$	5,502,608
2032	\$	5,118,012
2033	\$	6,779,006
2034	\$	15,000,000
2035	\$	15,000,000

# Sales Tax Increment Projects

## City of Burlington

The Burlington Downtown Mississippi Riverfront Plan provides a conceptual plan for improvements that will help mitigate the flooding experienced in the Burlington riverfront area. The plan reduces the flow of storm water toward the riverfront, while providing barriers between floodwaters and the Burlington riverfront and the critical infrastructure of the wastewater treatment plant.

The proposed flood protection plan consists of nine phases of comprehensive flood protection improvements for the City of Burlington. Phases V, VI, VII, and IX will utilize sales tax increment funding. The proposed flood control strategy includes a combination of permanent and removable floodwalls, modifications to storm sewers and pump stations, installation and rehabilitation to sanitary lift stations, and the use of green infrastructure.

Details on this project: [Executive Summary](#), [Application](#).

Project Cost Breakout		
Applicant		Burlington
Increment funds approved	\$	26,200,000
Federal funding	\$	17,036,693
Local funding	\$	20,982,542
Total project	\$	64,219,235
Nonpublic investment	\$	17,709,052
Avoided damage over design life (HSEMD provided number)	\$	118,081,853
Increment funds expended to date	\$	8,099,427
Increment funds remaining	\$	18,100,573
Federal funds expended to date	\$	8,113,500
Local funds expended to date	\$	4,497,316

Yearly Tax Increment		
2014	\$	-
2015	\$	-
2016	\$	275,873
2017	\$	416,484
2018	\$	558,909
2019	\$	703,171
2020	\$	849,295
2021	\$	997,303
2022	\$	1,147,221
2023	\$	1,299,072
2024	\$	1,452,883
2025	\$	1,608,677
2026	\$	1,766,481
2027	\$	1,926,322
2028	\$	2,088,224
2029	\$	2,252,214
2030	\$	2,418,320
2031	\$	2,586,569
2032	\$	2,756,988
2033	\$	1,095,994
2034	\$	-
2035	\$	-

# Flood Recovery Fund Projects

## City of Fredonia

The City of Fredonia project is to prevent flood damage to roads and properties by increasing the drainage pipes within the Canadian Pacific Railroad right of way along the tracks. This will provide increased capacity for the 720 acres of farmland overland storm water that flows from heavy rain events to discharge to the Iowa River, and help to avoid flooding the project area.

[Details on this project.](#)

<b>Project Cost Breakout</b>		
Flood recovery funds approved	\$	135,550
Federal funding	\$	0
Local funding	\$	0
Total project	\$	135,550
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0

# Flood Recovery Fund Projects

## City of Hamburg

The City of Hamburg has, and will purchase, dirt to elevate the Ditch 6 Levee to 919 feet. This levee will protect businesses and citizens from floodwater from the west, the west ditch, and most importantly the Missouri River, in the future. The levee will protect large businesses, 538 jobs, 494 existing homes, and future new Rural Housing 360 homes.

[Details on this project.](#)

<b>Project Cost Breakout</b>		
Flood recovery funds approved	\$	6,356,324.20
Federal funding	\$	0
Local funding	\$	5,962,675.80
Total project	\$	12,319,000.00
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
State 10% match remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0

# Flood Recovery Fund Projects

## City of Hamburg

Two-thirds of the city of Hamburg was underwater, affecting 270 homes and closing 88 percent of the businesses during the March 18, 2019, disaster. Seventy of the homes were deemed by FEMA's hazard mitigation substantial damage assessment tool at or over 50 percent damaged, and could be subject to a buyout, in conjunction with three properties that are not substantially damaged but remain eligible for acquisition. Most of these homes held as much as 8 to 11 feet of floodwater for more than 30 days. Removal of these homes, as well as new city ordinances and enforcement, will prohibit any future residences in these two low-elevation areas of Hamburg. Elimination of these two residential areas will support future flood recovery. Three of the structures proposed for acquisition are short of the substantial damage threshold, but are included in the buyout proposal to create the necessary boundaries for water and sewer.

[Details on this project.](#)

<b>Project Cost Breakout</b>		
Flood recovery funds approved	\$	940,856.55
Federal funding	\$	4,990,740.75
State 10% match	\$	627,237.70
Local funding	\$	0
Total project	\$	6,558,835.00
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
State 10% match expended to date	\$	0
State 10% match remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0

# Flood Recovery Fund Projects

## City of Hornick

This project is to build a protective berm around the city of Hornick at 3 feet above the 500-year flood elevation of 1067.20. At the time of the flood in March 2019, the United States Geological Survey shows an average water level of 1067.15 in the city of Hornick. With this protective berm being 3 feet above the 500-year elevation it should provide adequate protection for the city of Hornick from any future flooding.

[Details on this project.](#)

Project Cost Breakout		
Flood recovery funds approved	\$	2,071,708
Federal funding	\$	0
Local funding	\$	0
Total project	\$	2,071,708
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0

# Flood Recovery Fund Projects

## Mills County

An unincorporated area of Mills County encountered severe flooding during the March 12 to June 15, 2019, federally declared disaster. All areas within Mills County, from the Missouri River to the Loess Hills, were inundated with floodwaters ranging from 2 to 8 feet in depth that remained for greater than 30 days. The flooding was a direct result of elevated waters in the Missouri and Platte rivers, and various levee breaches along the Missouri River. From this event, approximately 200 properties were affected by the floodwaters within unincorporated Mills County. From these properties, 65 property owners (66 structures) of substantially damaged homes have indicated the desire to participate in the Hazard Mitigation Grant Program (HMGP) acquisition project and four remaining property owners expressed interest in allowing the demolition of their property as the structures have been designated public health and safety concerns.

As a result, Mills County is submitting an HMGP application to voluntarily acquire the 65 identified properties. In conjunction with the HMGP application, Mills County has submitted all required documentation to the FEMA Public Assistance Program to write and obligate a project worksheet to reimburse funds spent to demolish the identified 69 properties. By participating in the HMGP acquisition, all properties acquired are required to be deed restricted as open space in perpetuity, which would remove all structures and life from harm's way going forward, providing 100 percent mitigation.

[Details on this project.](#)

<b>Project Cost Breakout</b>		
Flood recovery funds approved	\$	2,341,923
Federal funding	\$	12,465,036
State 10% match	\$	1,561,282
Local funding	\$	0
Total project	\$	16,368,241
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
State 10% match expended to date	\$	0
State 10% match remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0

# Flood Recovery Fund Projects

## City of Pacific Junction

The city of Pacific Junction encountered severe flooding during the March 12 to June 15, 2019, federally declared disaster. The entire city of Pacific Junction was inundated with floodwaters ranging from 2 to 8 feet in depth that remained for greater than 30 days. The flooding was a direct result of elevated waters in the Missouri and Platte rivers, and various levee breaches along the Missouri River. From this event approximately 200 properties were affected by the floodwaters within Pacific Junction. From these properties, 147 property owners (145 structures) of substantially damaged homes have indicated the desire to participate in the Hazard Mitigation Grant Program acquisition project, and remaining property owners expressed interest in allowing the demolition of their property as the structures have been designated public health and safety concerns.

As a result, Pacific Junction is submitting an HMGP application to voluntarily acquire the 147 identified properties. In conjunction with the HMGP application, Pacific Junction has submitted all required documentation to the FEMA Public Assistance Program to write and obligate a project worksheet to reimburse funds spent to demolish up to 200 properties. By participating in the HMGP acquisition, all properties acquired are required to be deed restricted as open space in perpetuity, which would remove all structures and life from harm's way going forward, providing 100 percent mitigation.

[Details on this project.](#)

Project Cost Breakout		
Flood recovery funds approved	\$	3,153,638.25
Federal funding	\$	16,689,004.25
State 10% match	\$	2,095,825.50
Local funding	\$	0
Total project	\$	21,938,468.00
Flood recovery funds expended to date	\$	0
Flood recovery funds remaining	\$	0
State 10% match expended to date	\$	0
State 10% match remaining	\$	0
Federal funds expended to date	\$	0
Local funds expended to date	\$	0