

Du Page County, Illinois

Amendment Number 1 to Action Plan to Receive Second Allocation of CDBG Disaster Recovery Funds

Public Law 113-2

FINAL FOR SUBMITTAL TO HUD
September 11, 2014



DuPage County, Illinois
Amendment Number 1 to the Action Plan for CDBG Disaster Recovery Funds

Executive Summary and Citizen Participation

DuPage County, Illinois was required to publish an Action Plan for the purpose of receiving a Community Development Block Grant-Disaster Recovery Grant (CDBG-DR) in the amount of \$7,000,000 in accordance with the Disaster Relief Appropriations Act, 2013 (Public Law 113-2). The U.S. Department of Housing and Urban Development guidance for the funding was published December 16, 2013 in the Federal Register as Docket No. FR-5696-N-07 (the “Notice”) with an effective date of December 23, 2013. On June 3, 2014, a supplemental allocation of \$18.9 million was published in the Federal Register as Docket No. FR-5696-N-09 (“Second Notice”) with an effective date of June 9, 2014. This brings the total allocation to DuPage County to \$25.9 million. These funds are being made available to assist disaster recovery efforts in response to a declared major disaster occurring in DuPage County in April, 2013. These funds can be used only for specific disaster recovery-related purposes.

This Amendment Number 1 provides detailed updates to the initial Action Plan, including:

- An adjusted unmet needs analysis that accounts for the remaining needs to housing and infrastructure
- A Comprehensive Risk Analysis
- Resiliency discussion
- Reclassification of the Klein Creek Watershed Flood Control Plan/Armstrong Park Facility to a low/mod national objective

Following is a table illustrating, at the most practical level, how all funds programmed by this Amendment Number 1 are budgeted.

Activity Summary Table for Additional Allocation of \$18.9 Million	
Activity	Total Budget
Administration	\$945,000
Planning	\$378,000
Strategic Buy-Out Program	\$ 3,297,000
HMGP Buy-Out Match	\$1,250,000
Carol Stream - Klein Creek Watershed Flood Control Plan/Armstrong Park Facility	\$3,500,000
Municipal Activities	\$1,500,000
Bloomington - Springbrook Culvert	\$450,000
Villa Park – Downtown Green Infrastructure	\$1,000,000
Warrenville - West Branch River Restoration & Flood Mitigation	\$4,400,000
Westmont - Liberty Park Improvement	\$1,000,000

Glen Ellyn - Lake Ellyn Outlet*	\$245,000
Glen Ellyn - Perry's Pond*	\$275,000
Villa Park - Sugar Creek Watershed Improvement*	\$550,000
Winfield - Winfield Creek Watershed Plan*	\$110,000
TOTAL	\$18,900,000

*These projects are contingent upon engineering being completed to allow the project to progress within the time constraints of these funds and/or planning that results in an eligible project for which funding is also available. If it is determined that any contingency cannot be met, funds will be reprogrammed in a subsequent amendment. Need for and feasibility of additional property buy-outs will be assessed when reprogramming funds.

In accordance with the DuPage County Community Services Language Access Plan, it has been determined that this Executive Summary is a vital document and it will be translated into Spanish and posted with the English version of the Executive Summary. The activity in the above table that will be made available to individual persons and households is the Strategic Buy-Out Program. When materials are made available to the public about this program, the materials will be available in English and Spanish.

DuPage County will use this Amendment Number 1 to guide the distribution of the grant funds toward meeting the recovery of housing, infrastructure and economic effects of the declared disaster. This Amendment Number 1 has been designed to be consistent with the primary objective of providing funds for local projects with activities that meet one of the following national objectives of the Housing and Community Development Act of 1974, as amended: benefit to low/moderate income persons; slums or blight; urgent needs. At least fifty percent (50%) of the CDBG-DR grant award must be used for activities that benefit low- and moderate income persons.

This Amendment Number 1 must be submitted to HUD by October 7, 2014, which is 90 days from the effective date of the Second Notice.

Citizen Participation:

Amendment Number 1 is hereby submitted for public comment by publication in the *Daily Herald* on August 8, 2014 and placement on the following website where the full text may be viewed: www.dupageco.org (link to CDBG-DR on the left) or directly accessed at <http://www.dupageco.org/cdbg-dr/> , including an Executive Summary in Spanish. A paper copy of the full text will be provided upon request. A link to Amendment Number 1 will also be e-mailed to all municipal members of the DuPage Community Development Commission with a request that it be posted in a public place within the city or village, all persons/entities that have indicated an interest in DuPage County community development activities, members of the DuPage County Continuum of Care, and agencies able to disseminate the information to persons with disabilities. The public comment period will end on September 10, 2014. A summary of comments

and views received and a summary of comments or views not accepted, including the reasons for non-acceptance, will be inserted after the public comment period. Amendment Number 1 will then be approved by the DuPage County Development Committee and at a duly called public meeting of the DuPage County Board.

A public hearing will be held to gain input on Amendment Number 1, as follows:

Tuesday, August 26, 2014
7:00 p.m.
421 North County Farm Road
Wheaton, IL
Room 1500-B

The location of the public hearing is accessible to people with disabilities. Anyone requiring special accommodation for language assistance, hearing impairment, physical or other disability, or to ask questions, comment on Amendment Number 1, make a complaint, or request a paper copy of Amendment Number 1 or any other document related to these disaster recovery funds, should do so in accordance with the following contact information. Any individual, group, or agency wishing to comment on this proposed Substantial Amendment Number 1 may submit such comments in writing to be received by 4:30 p.m. on Wednesday, September 10, 2014.

Contact Information:

Call: 630-407-6706
TDD (Hearing Impaired): 630-407-6502
Fax: 630-407-6702

E-mail: mary.mitros@dupageco.org

Mail a comment or request or visit office in person:

Mary Mitros
Stormwater Management
DuPage County Government
421 N. County Farm Road
Wheaton, IL 60187

1) Updated Impact and Unmet Needs Assessment

A needs assessment to understand the type and location of community needs was conducted in connection with the initial Action Plan. Three core aspects of recovery were evaluated: housing, infrastructure and economic development. DuPage County has consulted with affected citizens, stakeholders, local governments and public housing authorities to determine updates to the needs assessment. This consultation was accomplished through personal interviews, telephone conversations, discussion at public meetings, written correspondence, and surveys. This consultation process has resulted in the following updated needs assessment.

Updated housing needs:

Rental DuPage County is now required to describe how we will address the rehabilitation, mitigation and new construction needs of other assisted multifamily housing developments impacted by the disaster, including HUD-assisted multifamily housing, low income housing tax credit-financed developments and other subsidized and tax credit-assisted affordable housing. Although many of these developments were included in the initial assessment, a needs survey was sent on July 11, 2014 to an additional thirty-two multi-family developments that fall within the listed categories. Five responses to the needs survey were received, as follows. No needs have been identified for assisted multi-family rental housing. DuPage County does not have any units of Public Housing.

Entity	Housing or Services Provided	Flood Event Impact	Assistance Available	Impediments to Recovery – Unmet Needs
Hawthorne Ridge, Woodridge	Affordable rental for families	None	N/A	N/A
Martin Avenue Apartments, Naperville	HUD 236 Project – seniors	None	N/A	N/A
Oak Tree Towers, Downers Grove	Affordable rental – seniors	None	N/A	N/A
Peace Memorial Manor, Downers Grove	Affordable rental – seniors & mobility impaired	None	N/A	N/A
Shorewood Towers, Glendale Heights	Section 8 – Elderly	None	N/A	N/A

To assess the needs of market-rate multi-family rental housing, an e-mail survey was sent on July 30-31, 2014 to sixteen entities (combination of multi-family property management companies, properties, and one rental network). No responses to the survey were received. DuPage County, therefore has not identified any unmet need for multi-family rental properties.

Owner-Occupied Unmet housing needs of owner-occupied residential property can be calculated using HUD’s methodology of using the number of housing units with unmet needs times the estimate cost to repair those units, less repair funds already provided by FEMA. To meet the statutory requirement of “most impacted,” homes are determined to have a high level of damage if they have damage of “major-low” or higher which is a real property FEMA inspected damage of \$8,000 or flooding over four (4) feet. Using this methodology, the unmet housing need is calculated to be (may be duplicated households):

DuPage County Residential Ownership Unmet Needs – Damage at least \$8,000				
Damage Level	# of Units	FEMA Verified Loss	Loss-Pay Out	Difference between Loss and Payout – Unmet Need
Major-Low	308	\$3,260,201	\$2,578,938	\$681,263
Major-High	152	\$3,110,549	\$1,837,064	\$1,273,485
Severe	27	\$1,040,798	\$273,951	\$766,847
TOTAL	487	\$7,411,548	\$4,689,953	\$2,721,595

DuPage County Residential Ownership Unmet Needs – Flooding Over Four Feet					
Category	Damage Level	# of Units	FEMA Verified Loss	Loss-Pay Out	Difference between Loss and Payout – Unmet Need
4-6 Feet 1 st Floor	Minor-Low	1	\$2,394	\$2,367	\$27
	Minor-High	3	\$21,103	\$12,588	\$8,515
	Major-Low	9	\$111,515	\$72,538	\$38,977
	Major-High	13	\$249,829	\$174,865	\$74,964
	Severe	1	40,847	0	\$40,847
4-6 Basement	Minor-Low	17	\$31,786	\$25,845	\$5,941
	Minor-High	59	\$315,081	\$223,646	\$91,435
	Major-Low	22	\$221,857	\$149,073	\$72,784
	Major-High	4	\$73,805	\$73,805	0
	Severe	0			
Over 6’ – 1 st Floor	Minor-Low	0			
	Minor-High	2	\$10,567	0	\$10,567
	Major-Low	0			
	Major-High	1	\$15,718	\$15,718	0
	Severe	0			
TOTALS		132	\$1,094,502	\$1,750,445	\$344,057

Based on previous experiences administering flood money, the initial Action Plan allocated \$300,000 for rehabilitation and mold remediation for low/mod income households. When the activity actually commences, if it is determined that \$300,000 is not a sufficient amount of funding for this activity, the unmet need will be addressed in a

subsequent amendment. This unmet need for owner-occupied housing is only part of the story when it comes to housing needs in DuPage County. The initial Action Plan stated over 300 properties that meet the criteria for property buy-out that were affected by the April, 2013 flood event (subject to flooding depth of one foot above the low entry elevation for any one historic event, subject to a flooding depth of one-half foot for any two historic food events, or a FEMA repetitive loss structure). The initial Action Plan allocated \$2,700,000 for property buy-out of 10-14 properties, leaving an unmet need for these structures of \$71,500,000.

As stated in the initial Action Plan, there are many areas within DuPage County where property buy-out and demolition is the only solution to repetitive flooding of housing. Completion of infrastructure projects can also protect residential properties from future flooding. The projects proposed in this Amendment Number 1 would result in the following housing impact:

- Buy-out of approximately 44 properties (Approximately 14 properties with \$3,297,000 for strategic buy-outs and approximately 30 properties using \$1,250,000 in leveraging with HMGP buy-out match)
- As reflected in the updated infrastructure needs below, infrastructure projects will benefit at least 257 homes by lessening the impact of future flood events.

Updated infrastructure needs: The initial Action Plan identified unmet need that was unable to be addressed with the first allocation of funds that will now be addressed with this second allocation of funds. Additional infrastructure needs have also been identified. It is noted in the “Unmet Need” column below whether an unmet need was previously identified in the initial Action Plan or is an unmet need identified after the Initial Action Plan.

Location	Impact of April, 2013 Flood	Unmet Need	Link to Housing Needs, if applicable
Carol Stream	Widespread flooding in Armstrong Park area. The impact of the April 2013 flood on this area was documented in the initial Action Plan.	Klein Creek Watershed Flood Control Plan/Armstrong Park Facility. This project was proposed in the initial Action Plan for funding of \$3,010,000. This Amendment 1 proposes additional funding of \$3,500,000. By utilizing these additional funds for this project that benefits a low/mod area, DuPage County funds will be freed up to complete other infrastructure projects across the County to alleviate flooding in accordance with the President’s Climate Change Initiative . Project based on watershed plan – contains individual activities that have been grouped and evaluated as related projects.	62 properties will be impacted positively by this project, including 16 currently on the voluntary buy-out list

Municipal Activities	Municipalities reported damage to road and bridge systems, water control facilities, buildings & equipment, and utility systems after the April 2013 flood.	Unmet need of approximately \$2,298,000 was previously identified. \$500,000 was allocated under initial Action Plan; \$1,500,000 is allocated under this Amendment 1. Application for these funds will be a competitive process, as under the first allocation of funds. Selection criteria has been revised to a \$400,000 funding cap, with a 25% match requirement.	
Bloomingtondale	The April, 2013 flood caused closure of major routes and several streets. This made neighborhoods impassible for emergency vehicles resulting in a threat to health and safety.	Improvement to culvert on Springbrook; new culvert needed for Salt Creek (currently in DuPage County Watershed plan) \$450,000, plus associated permitting and design costs. This was identified as unmet need in the initial Action Plan and can now be addressed with this second allocation of funds. Project based on watershed plan – contains individual activities that have been grouped and evaluated as related projects	Health and safety for residential areas
Villa Park	Widespread flooding in downtown area causing residential sewer back-up during the April, 2013 flood.	Downtown Green Infrastructure – Construction of resilient infrastructure to improve groundwater infiltration and reduce localized flooding. Improvements of \$1,000,000. This need was identified after the initial Action Plan. Project based on watershed plan – contains individual activities that have been grouped and evaluated as related projects. If second Villa Park project is identified (as below), that project will be grouped and evaluated within the same watershed plan.	
Warrenville	Massive area flooding during April, 2013 flood.	West Branch River Restoration & Flood Mitigation - Restoration of natural floodplain for river conveyance; construct a flood protection berm and other flood control measures. Improvements of \$4,400,000. This need was identified after the initial Action Plan. Project based on watershed plan – contains individual activities that have been grouped and evaluated as related projects	20 homes directly impacted by this project

Westmont	Liberty Park Improvement Project – massive residential flooding during the April, 2013 flood. Many properties in Liberty Park are on the property buy-out waiting list.	Detention pond expansion, storm sewer rehabilitation - improvements of \$1,000,000. This need was identified after the initial Action Plan. The buy-outs proposed under the initial Action Plan and in this Amendment 1 will enable this infrastructure project to be completed.	175 homes directly impacted by this project
Glen Ellyn	Flooding at Lake Ellyn outlet control structure	Improvements of \$245,000 were identified as an unmet need in the initial Action Plan. The project, however, is contingent upon completion of planning by the Village of Glen Ellyn and final eligibility review.	
Glen Ellyn	Flooding at Perry’s Pond (connection between Joseph Sam Perry Preserve and Perry’s Pond)	New inlet structure and revision to storm sewer pipe configuration - \$275,000 was identified as an unmet need in the initial Action Plan. The project, however, is contingent upon completion of planning by the Village of Glen Ellyn and final eligibility review.	
Villa Park	Flooding in Willowbrook High School area	Sugar Creek Watershed Improvement Projects - County staff has been working on infrastructure improvement plans for this area to reduce flooding. These improvements include culvert replacement, drainage pond expansion and also compensatory storage. Possible projects are ponds up and downstream of Willowbrook High School and Westmore Meyers Culvert replacement. This effort is anticipated to cost \$550,000. This need was identified after the initial Action Plan and is contingent upon eligibility of the planning activity and it resulting in an eligible project for which funding is also available. Any project to be completed will be based on watershed plan and will be grouped geographically with the other Villa Park project.	
Winfield	Winfield Creek Watershed Plan – widespread flooding during April, 2013 flood.	This was identified as an unmet need in the initial Action Plan. It is unclear at this point, however, what actual project will result from completion of the Watershed Plan. This project, therefore, is contingent upon eligibility of the planning activity and it resulting in an eligible project for which funding is also available - \$110,000	

CDBG-DR considers any infrastructure project to be a “major infrastructure project” if the project (or two more related infrastructure projects) has a total cost of \$50 million or more (including at least \$10 million of CDBG-DR funds or physically located in more than one county. No infrastructure project proposed by DuPage County meets the definition of “major infrastructure project;” therefore, the requirements for “covered projects” do not apply to this Amendment 1.

DuPage County is also required to group together and evaluate as a single infrastructure project all individual activities which are related to one another, either on a geographical or functional basis, or are logical parts of a composite of contemplated infrastructure-related actions. Infrastructure projects are also considered to be “related” if they automatically trigger other projects or actions, cannot or will not proceed unless other projects or actions are taken previously or simultaneously, or are interdependent parts of a larger action and depend on the larger action for their justification. Infrastructure projects based on watershed plans in which individual activities related on a geographical basis have been grouped and evaluated as a single infrastructure project are so indicated on the foregoing list of infrastructure projects.

Based on analysis of data reported immediately after the April, 2013 flood through Illinois Emergency Management Agency (IEMA) and analysis of subsequent data from the Federal Emergency Management Agency (FEMA), it appears that the funds allocated to the Municipal Activities category will be sufficient to meet unmet needs. When the “Municipal Activities” actually begin, if it is determined that funds allocated are not sufficient for this activity, the unmet need will be addressed in a subsequent substantial amendment.

Municipalities will have opportunity to apply for the Municipal Activities program through a competitive application process. Maximum grants will be \$400,000 per project and will require that the municipality pay 25% of the project cost. Rating factors will be:

Criteria	Maximum Points
Minimum Requirements	No points, but required for project acceptance: Governing Body Authorization; Public Hearing; Capacity; Fair Housing Action Plan; Map; Audit; Budget; Documentation of Need for Long Term Recovery from Storm Related Damage

Income Level of Beneficiaries	15 points (although these projects will be done under an “urgent need” national objective, projects that meet the needs of the lowest income neighborhoods and beneficiaries will receive additional points)
Project Impact	15 points
Leveraging of Funds	10 points
Project Readiness	10 points

Economic Development/Impact on Economy: Only temporary business closures were reported in the initial Action Plan, with no ongoing impact or unmet need reported. SBA data obtained subsequent to the initial Action Plan states that 40 businesses in DuPage County reported real property and content damage from the April, 2013 flood. Only properties with total real estate and content loss in excess of \$30,000 are considered severe damage for purposes of identifying the most impacted areas. Of the 40 businesses reporting damage, only twelve met this threshold criteria. Out of all businesses reporting damage, fourteen applied for SBA assistance: five applications were declined in pre-processing and nine were approved. Therefore, it would appear that there are approximately five businesses that may have unmet need with no data available to show if they meet the threshold criteria for severe damage. Because there does not appear to be any identifiable unmet economic development need, this Amendment Number 1 does not propose economic development activity. Should unmet needs for economic development be identified in the future, they will be discussed in a subsequent amendment.

2) Comprehensive Risk Analysis

The *President’s Climate Action Plan* was issued in June, 2013. It discusses three major initiatives, two of which are directly applicable to DuPage County disaster recovery, namely:

1. “Building Stronger and Safer Communities and Infrastructure,” which includes “water management to conservation and disaster relief” as well as ensuring “that climate risk-management considerations are fully integrated into federal infrastructure and natural resource management planning.”
2. “Protecting our Economy and Natural Resources,” which includes “preparing for future floods” by an “approach that accounts for sea-level rise and other factors affecting flood risks.

DuPage County Stormwater Management is a Cooperating Technical Partner with FEMA with respect to floodplain modeling and mapping. DuPage County has a unique land

mass that is an urban area with several streams, yet consists of flat slopes and broad floodplains. Thus, DuPage County utilizes a complex modeling program to forecast flood depths, frequencies and flood heights called Full Equations (FEQ) modeling.

The FEQ model is a computer program for solution of the full, dynamic equations of motion for one-dimensional unsteady flow in open channels and through control structures. A stream system that is simulated by application of FEQ is subdivided into stream reaches (branches). Using artificial rainfall on a sloping glass flume, resistance coefficients were computed for steady, spatially varied flow for both the energy and momentum conservation principles and it was found that the resistance coefficient from the momentum principle was always closer to the coefficient estimated from steady flow without lateral inflow. Because use of Manning's equation for resistance losses yields a better estimate of the resistance coefficient for the momentum principle than for the energy principle, methods based on momentum conservation yield better estimates of the water-surface profile than do methods based on energy conservation, especially if Manning's is calibrated to measured water-surface profiles or historic high water marks. In addition, the resistance coefficient estimated from the momentum principle is insensitive to variations in the velocity of lateral inflow.

Runoff response to rainfall in urban areas is rapid and streams throughout Illinois have relatively flat slopes and broad flood plains. Thus, engineers, both with the State of Illinois government and with rapidly urbanizing counties surrounding Chicago, became interested in applying unsteady-flow analysis for flood plain delineation, flood forecasting, flood control reservoir operations, and other applications. Because a wide variety of hydraulic structures in the stream network can be simulated in the FEQ model, this model was selected by the U.S. Geological Survey (USGS) and cooperating agencies. The Illinois Department of Natural Resources, Office of Water Resources, and the County of DuPage, Department of Environmental Concerns, cooperated with the USGS to document the model schematization, governing equations, mathematical solution procedures, numerical characteristics, and input description for FEQ.

As a result, FEQ uses actual flood events to predict future elevations; this methodology is a dynamic modeling program that is reactive to climate change and weather volatility.

DuPage County experienced major floods in 1972, 1974, 1976, 1987, 1996, 2008, 2010, and 2013. Since the 1987 flood, DuPage County has taken significant steps to mitigate against future flood damage. In 2007, to address the potential impact and mitigation opportunities of flooding and other natural hazards, DuPage County (along with participating municipalities, agencies, and institutions) developed a Natural Hazard Mitigation Plan, which was updated in 2012 ("Mitigation Plan"). The Mitigation Plan meets the requirements of Section 104 of the Disaster Mitigation Act of 2000 (42 USC 5165) and the Hazard Mitigation Grant Program requirements contained in 44 CFR 201. The Mitigation Plan includes both a hazard assessment (what causes the hazard and the likelihood of occurrence) and a vulnerability assessment (the impact of the hazard on life, health, and property). Because it is important to consider a broad range of information, including forward looking analyses of risks to infrastructure from climate change, the

Mitigation Plan was updated in 2012. The Mitigation Plan is included as *Appendix One* to this Amendment Number 1.

Information and data for the hazard analysis was collected from: municipalities; regional, state, and federal agencies; DuPage County records; DuPage County GIS; and the National Climate Data Center (NCDC) at the National Oceanic and Atmospheric Administration. For the vulnerability analysis, the County's GIS was used to examine DuPage County's exposure to floods because DuPage County data was superior to the default data in the FEMA HAZUS software. The Flood Hazard Assessment appears on pages 2-10 through 2-25 of the Mitigation Plan; the Flood Vulnerability Analysis appears on pages 2-26 through 2-33 of the Mitigation Plan. A conclusion of the Mitigation Plan (page 2-65) is that "floods have the highest impact on property and have the highest potential for economic impact." DuPage County's estimated flood vulnerability for buildings in the 100 year floodplain is in excess of \$2.4 billion. 90% of these buildings are residential; therefore the risk analysis prioritizes mitigation of flood risk to residential property. All projects and activities proposed in this Amendment Number 1 mitigate flood risk to residential property – whether construction/rehabilitation of infrastructure to alleviate flooding or buy-out of repetitive loss properties affected by the April, 2013 flood.

DuPage County promotes sound, sustainable long-term recovery planning that is informed by post-disaster evaluations of hazard risk and pro-actively makes land-use decisions that reflect responsible flood plain management (taking into account possible sea level rise). DuPage County has grown dramatically over the last six decades. From 1950 to 2002, DuPage County saw a 600% increase in population. This rapid urbanization from what was mostly agricultural land to large residential, commercial, and industrial areas has had a profound impact on many of DuPage County's rivers and streams. The Stormwater Management Program was established to address existing issues and to prevent future flood damages along the county's waterways. Since its inception, the County's Stormwater Management Division has worked to provide accurate floodplain information to property owners, regulators, and developers.

The Stormwater Management Plan ("Stormwater Plan) was adopted by the DuPage County Board in 1989. The Stormwater Plan established the goals, objectives and policies for developing a successful stormwater management program. In accordance with the Stormwater Plan, the DuPage County Stormwater and Floodplain Ordinance was adopted in October of 1991, effective February of 1992. The Ordinance is included as *Appendix Two* to this Amendment Number 1. Municipalities within DuPage County must adopt this plan in accordance with state and federal mandates.

As outlined in the Plan, the six goals guiding the Stormwater Management Program are:

1. Reduce the existing potential for stormwater damage to public health, safety, life and property.

2. Control future increases in stormwater damage within DuPage County and in areas of adjacent counties affected by DuPage County drainage.
3. Protect and enhance the quality, quantity and availability of surface and groundwater resources.
4. Preserve and enhance existing aquatic and riparian environments and encourage restoration of degraded areas.
5. Control sediment and erosion in and from drainage ways, developments, and construction sites.
6. Promote equitable, acceptable and legal measures for stormwater management.

DuPage County coordinates with other local and regional planning efforts to ensure consistency. Both County Board members and municipal representatives sit on the Stormwater Management Planning Committee. DuPage County is the only county in the State of Illinois to be named a Cooperative Technical Partner (CTP) with FEMA for floodplain mapping, and, as such, DuPage County Stormwater Management has been working with Illinois State Water Survey, IEMA and FEMA to revise the FEMA Floodplain maps countywide to ensure that they are an accurate representation of the actual floodplains in the county. In addition to being a CTP, DuPage County Stormwater Management has been delegated permit review authority from both the Illinois Department of Natural Resources/Office of Water Resources and the United States Army Corps of Engineering.

Green Infrastructure: DuPage County both encourages development of green infrastructure by other stakeholders and incorporates all feasible green measures in each project it undertakes. For example, the Water Quality Improvement Grant Program financially supports green infrastructure projects throughout the County. Past recipients include schools, municipalities, homeowner associations, museums and park districts. Specific examples of green infrastructure being proposed for these funds are: (1) Klein Creek Watershed Flood Control Plan/Armstrong Park Facility: a constructed wetland to improve water quality before the retained flood waters enter back into Klein Creek and a secondary outfall area that will filter out particulates and allow for absorption of the retained flood waters. (2) The Villa Park Downtown Green Infrastructure project proposed in this Amendment 1 is a groundwater infiltration improvement that is also resilient. These are two examples. Green infrastructure is defined by the Federal Register Notice as “the integration of natural systems and processes, or engineered systems that mimic natural systems and processes, into investments in resilient infrastructure. Green infrastructure takes advantage of the services and natural defenses provided by land and water systems such as wetlands, natural areas, vegetation, sand dunes, floodplains and forests, while contributing to the health and quality of life of those in recovering communities.” All projects undertaken with these funds will incorporate

the principles of green infrastructure in accordance with Chapter 4 of the Mitigation Plan which contains a full discussion of such integration of natural systems and includes:

- Open Space Preservation (keeping the floodplain and other hazardous areas open and free from development)
- Stormwater Management (regulating development in the floodplain to ensure that it will be protected from flooding and that it won't divert floodwaters onto other properties and regulating all development to ensure that post-development peak runoff will not be greater than under pre-development conditions).
- Wetland Protection
- Stream Restoration
- Urban Forestry

Chapter 6 of the Mitigation Plan specifically discusses “structural projects” which include infrastructure such as reservoirs, levees, channel improvements, and drainage and storm sewer improvements. Section 6.7 specifically identifies planned structural projects.

Resiliency of Infrastructure: The maintenance of DuPage County flood control facilities is the responsibility of Stormwater Management. In addition to the maintenance of the facilities, Stormwater Management has built a resilient system that is not only redundant, but also allows for recovery if a portion of the system fails. Components of this resilient system include the five major stormwater detention facilities operated by DuPage County: Elmhurst Quarry; Wood Dale-Itasca Reservoir; Fawell Dam; River Dumoulin Pump Stations; and Spring Creek Reservoir. The Armstrong Park Reservoir will be the sixth major stormwater detention facility, once completed and on-line. The physical features of these facilities that require operation and maintenance services include gates, pumps and intake weirs. Staff performs routine checks and minor maintenance at these stormwater facilities weekly.

Six off-line, gravity reservoirs are also the operation and maintenance responsibility of DuPage County. These reservoir facilities are: Gary-Kehoe; Meacham Grove; Wayne Oaks; Lake Street; Kress Creek; and Eldridge Park. DuPage County also maintains some smaller detention basins, such as the ones at Crest Road and Dale Road.

DuPage County is required to identify and implement resilience performance standards that can be applied to each infrastructure project recommended in this Amendment 1. DuPage County also certifies that such standards will also be applied to infrastructure projects recommended in the Initial Action Plan.

DuPage County Stormwater Management sets specific performance standards to ensure that DuPage County flood control facilities are resilient. We go beyond a reactive

approach when designing our systems and take a proactive stance to ensure our facilities can withstand crisis and deflect attacks of any nature. The County has moved past traditional risk and governance models and focused instead on resilience.

During the design phase of our projects, DuPage County Stormwater Management adds specific features and associated specifications to protect against unplanned failures. These include back up power systems, manual control installation, failure and breach analysis and emergency action plans on file with the local and state entities

3) Basis for Allocations (Connection Between Needs and Allocation of Funds)

The updated needs assessment has informed the allocation determinations in that two needs were identified: housing and infrastructure. Projects proposed are divided between these needs, as follows:

Housing (Strategic Buy-Out and HMGP Buy-Out)	\$4,547,000
Infrastructure (but all infrastructure projects positively impact housing by reducing risk of future flooding and/or health and safety – 257 houses specifically impacted)	\$13,030,000

4) Program/Activity Details

Detailed information about each activity is stated in the following Activity Detail Table:

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Administration</p> <p>Eligibility: DuPage County is allowed to use up to 5% of the grant for this purpose.</p> <p>National Objective: N/A</p> <p>Projected start date: 11/1/2014 Projected end date: 9/29/2019</p>	<p>Administration of the grant fund over the five year period of the grant.</p> <p>Location/geographic description: N/A</p> <p>Responsible Organization: DuPage County (Community Services Department)</p> <p>Performance measures: timely and compliant administration of the grant; timely expenditures; timely reporting.</p>	<p>\$945,000</p>
<p>Planning</p> <p>Eligibility: DuPage County is allowed to use up to 15% of the grant for this purpose, but is requesting 2%.</p> <p>National Objective: N/A</p> <p>Projected start date: 11/1/2014 Projected end date: 9/29/2019</p>	<p>Overall eligible planning activities for this grant.</p> <p>Location/geographic description: N/A</p> <p>Responsible Organization: DuPage County (Community Services Department)</p> <p>Performance measures will be: timely preparation and filing of all planning documents for grant.</p>	<p>\$378,000</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Strategic Buy-Out Program</p> <p>Eligibility: Housing</p> <p>National Objective: Urgent Need</p> <p>Projected start date: 11/1/2014 Projected end date: 9/29/2019</p>	<p>This activity will undertake voluntary buy-out of owner occupied single family dwellings (as defined by HUD) impacted by this flood event which meet the DuPage County buy-out criteria: structures not protected by capital improvements projects in approved watershed plans; structure subject to flooding depth of one foot above the low entry elevation for any one historic event; subject to a flooding depth of one-half foot for any two historic flood events; or a FEMA repetitive loss structure.</p> <p>Specific impact and long term recovery: Buy-out is the only alternative in many flood prone areas of the County where there is no permanent infrastructure solution to the flooding. This will result in long-term recovery for these households.</p> <p>Location/geographic description: DuPage County.</p> <p>Responsible Organization: DuPage County (Stormwater)</p> <p>Performance measures will be: # of units (14 anticipated)</p>	<p>\$3,297,000 (threshold per house determined on a case-by-case basis)</p>
<p>HMGP Buy-Out Match</p> <p>Eligibility: Housing</p> <p>National Objective: Urgent Need and Low/Mod</p> <p>Projected start date: 11/1/2014 Projected end date: 9/29/2019</p>	<p>This activity will provide the required 25% match share for FEMA/IEMA buyouts.</p> <p>Specific impact and long term recovery: Buy-out is the only alternative in many flood prone areas of the County where there is no permanent infrastructure solution to the flooding. This will result in long-term recovery for these households.</p> <p>Location/geographic description: DuPage County, beginning with Lisle, unincorporated DuPage County, Downers Grove and Westmont</p> <p>Responsible Organization: DuPage County (Stormwater)</p> <p>Performance measures will be: # of units (30 anticipated)</p>	<p>\$1,250,000</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Klein Creek Watershed Flood Control Plan/Armstrong Park Facility</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Low/Mod</p> <p>Projected start date: 5/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Construction of two reservoir system to be a permanent solution to the flooding which occurred not only in the recent event, but has repeatedly occurred (August, 2007; September, 2008; July 2010; and April, 2013). The majority of the residents that currently reside in the floodplain in this neighborhood have been listed impacted and/or displaced by all four of these storm events.</p> <p>Specific impact and long term recovery: Alleviation of repetitive flooding from this low/mod residential area. This will result in long-term recovery for these households.</p> <p>Location/geographic description: Armstrong Park, Carol Stream</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$3,500,000</p>
<p>Municipal Activities</p> <p>Eligibility: Infrastructure/Housing</p> <p>National Objective: Urgent Need</p> <p>Projected start date: 11/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Opportunity for municipalities to apply for 75% of cost for projects that will repair or replace infrastructure damaged by the flood event or housing buy-outs.</p> <p>Location/geographic description: DuPage County</p> <p>Specific impact and long term recovery: Impact to health and safety of residents, alleviation of sewer back-up and residential flooding. This will result in long-term recovery for some households and creation of safer environment for other neighborhoods.</p> <p>Responsible Organization: DuPage County will run application process and select projects based on scoring criteria. DuPage County will oversee municipal implementation (Stormwater)</p> <p>Performance measures will be: # of projects; number of units – Anticipated TBD</p>	<p>\$1,500,000 (\$400,000 threshold per project)</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Bloomington – Springbrook Culvert</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: 11/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Improvement to culvert on Springbrook; new culvert needed for Salt Creek.</p> <p>Location/geographic description: Area generally bounded by Cypress Ct (east), Foster Ave. (south), Roselle Road (west) and the southern ½ of Spring St. (north).</p> <p>Specific impact and long term recovery: Closure of major routes and streets made neighborhoods impassable for emergency vehicles; this project will alleviate the threat to health and safety in future events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$450,000</p>
<p>Villa Park – Downtown Green Infrastructure</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: 11/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Construction of resilient infrastructure to improve groundwater infiltration and reduce localized flooding.</p> <p>Location/geographic description: area generally bounded by Highland Ave. (north), Kingery Highway (east), Madison St. (south) and Princeton Ave. (west).</p> <p>Specific impact and long term recovery: widespread flooding caused residential sewer back-up; project will eliminate health hazards caused by future events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$1,000,000</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Warrenville – West Branch River Restoration & Flood Mitigation</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Low/Mod</p> <p>Projected start date: 11/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Restoration of natural floodplain for river conveyance; construction of flood protection berm and other flood control measures.</p> <p>Location/geographic description: area generally bounded by Main St. (north), Winfield Rd. (west), Torch Parkway (south) and River Road (west).</p> <p>Specific impact and long term recovery: massive flooding was a repetitive flood event for this area; long term recovery for residential areas to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$4,400,000</p>
<p>Westmont – Liberty Park Improvement</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: 11/1/2014</p> <p>Projected end date: 9/29/2019</p>	<p>Detention pond expansion, storm sewer rehabilitation.</p> <p>Location/geographic description: area generally bounded by 39th St. (north), Grant St. (east), 41st St. (south) and Liberty Blvd. (west).</p> <p>Specific impact and long term recovery: Repetitive flooding in residential area; property buy-outs will make land available for improvements; long term recovery for remaining residents to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$1,000,000</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Glen Ellyn – Lake Ellyn Outlet</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: TBD</p> <p>Projected end date: 9/29/2019</p>	<p>Improvements to Lake Ellyn Outlet control structure.</p> <p>Location/geographic description: area generally bounded by Grand Ave. (north), Riford Ave. (east), Crescent Blvd. (south) and Park Blvd. (north).</p> <p>Specific impact and long term recovery: massive flooding was a repetitive flood event for this area; long term recovery for residential areas to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater), but completion of planning by Village of Glen Ellyn.</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$245,000</p>
<p>Glen Ellyn – Perry’s Pond</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: TBD</p> <p>Projected end date: 9/29/2019</p>	<p>Construction of new inlet structure and revision to storm sewer pipe configuration.</p> <p>Location/geographic description: area generally bounded by Elm St. (north), Colcord Place (east), Crescent Blvd. (south), Lenox Road (west).</p> <p>Specific impact and long term recovery: massive flooding was a repetitive flood event for this area; long term recovery for residential areas to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater) but completion of planning by Village of Glen Ellyn.</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$275,000</p>

Activity Detail Table		
Activity	Description	2nd Allocation Budget
<p>Villa Park – Sugar Creek Watershed Improvement</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: TBD</p> <p>Projected end date: 9/29/2019</p>	<p>Possible culvert replacement, drainage pond expansion and compensatory storage; possible ponds up and downstream of Willowbrook High School and Westmore Meyers Culvert Replacement. Contingent upon eligibility and resultant eligible project.</p> <p>Location/geographic description: area generally bounded by Addison Ave. (north), Euclid Ave. (east), Roosevelt Rd. (south), Westmore Meyers Ave. (west).</p> <p>Specific impact and long term recovery: massive flooding was a repetitive flood event for this area; long term recovery for residential areas to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$550,000</p>
<p>Winfield – Winfield Creek Watershed Plan</p> <p>Eligibility: Infrastructure</p> <p>National Objective: Urgent Need</p> <p>Projected start date: TBD</p> <p>Projected end date: 9/29/2019</p>	<p>Actual project TBD as Watershed Plan is completed.</p> <p>Location/geographic description: area generally bounded by North Ave. (north), Bloomingdale Rd. (west), Roosevelt Rd. (south) and Winfield Rd. (west).</p> <p>Specific impact and long term recovery: massive flooding was a repetitive flood event for this area; long term recovery for residential areas to prevent repetitive flood events.</p> <p>Responsible organization: DuPage County (Stormwater)</p> <p>Performance measures will be: project completion and # of beneficiaries</p>	<p>\$110,000</p>

5) Budget and Timeline Information

Programming funds from this second allocation as stated above will result in an overall Disaster Recovery budget and national objective mix as follows:

DuPage County CDBG-DR Budget

	Programming of Funds		National Objective	
	1st Allocation	2nd Allocation	Low/Mod	Urgent Need
Administration	350,000	945,000	N/A	N/A
Planning	140,000	378,000	N/A	N/A
Strategic Buy-Out	2,700,000	3,297,000	2,700,000	3,297,000
HMGP Buy-Out Match		1,250,000	300,000	950,000
Rehab/Mold Remediation	300,000		300,000	
Carol Stream - Klein Creek Watershed Flood Control Plan/ Armstrong Park Facility	3,010,000	3,500,000	6,510,000	
Municipal Activities	500,000	1,500,000	500,000	1,500,000
Bloomingtondale - Springbrook Culvert		450,000		450,000
Villa Park - Downtown Green Infrastructure		1,000,000		1,000,000
Warrenville - West Branch River Restoration & Flood Mitigation		4,400,000	4,400,000	
Westmont - Liberty Park Improvement		1,000,000		1,000,000
Glen Ellyn - Lake Ellyn Outlet		245,000		245,000
Glen Ellyn - Perry's Pond		275,000		275,000
Villa Park - Sugar Creek Watershed Improvement		550,000		550,000
Winfield - Winfield Creek Watershed Plan		110,000		110,000
TOTALS	\$7,000,000	\$18,900,000	\$14,710,000	\$9,377,000
			At least 50% of funds must meet Low/Mod National Objective	

While the foregoing is the overall project budget, funds are obligated by HUD as requested. Once funds are obligated, there is a two year deadline for expenditure and drawdown. DuPage County requests obligation of funds under this Amendment 1, as follows. DuPage County also reserves the right to move funds between activities after they are obligated, if one activity is expending faster than another. Such movement of funds will not be considered a Substantial Amendment, provided the programmed amount for any activity is not exceeded. It is important to timely expend the funds that are actually obligated before requesting additional obligation, which means funds should not be held for a slow moving activity. Funds for any slow moving activity that have been moved to another category for expenditure purposes will be replenished or reprogrammed in a subsequent amendment.

DuPage County CDBG-DR Obligation Request

	Total Programmed to Activity	Currently Obligated Under Grant Agreement with HUD	Obligation Request under this Amendment 1
Administration	1,295,000	70,000	50,000
Planning	518,000	20,000	
Strategic Buy-Out	5,997,000	600,000	400,000
HMGP Buy-Out Match	1,250,000		500,000
Rehab/Mold Remediation	300,000	70,000	30,000
Carol Stream - Klein Creek Watershed Flood Control Plan/ Armstrong Park Facility	6,510,000	490,000	1,000,000
Municipal Activities	2,000,000	250,000	800,000
Bloomington - Springbrook Culvert	450,000		50,000
Villa Park - Downtown Green Infrastructure	1,000,000		50,000
Warrenville - West Branch River Restoration & Flood Mitigation	4,400,000		50,000
Westmont - Liberty Park Improvement	1,000,000		50,000
Glen Ellyn - Lake Ellyn Outlet	245,000		
Glen Ellyn - Perry's Pond	275,000		
Villa Park - Sugar Creek Watershed Improvement	550,000		
Winfield - Winfield Creek Watershed Plan	110,000		
TOTALS	25,900,000	1,500,000	2,980,000

DuPage County CDBG-DR Anticipated Project Timeline

	2014	2015		2016		2017		2018		2019
Activity	Q4	Q1- Q2	Q3- Q4	Q1- Q2	Q3- Q4	Q1- Q1	Q3- Q4	Q1- Q2	Q3- Q4	Q1- Q2
Buy-Out										
Rehab/Mold										
Armstrong										
Municipal Activities										
Bloomingtondale										
Villa Park – Downtown										
Warrenville										
Westmont										

DuPage County CDBG-DR Anticipated HUD Funding Obligation Schedule

Obligation 1 – June 18, 2014	\$1,500,000
Obligation Request in this Amendment	\$2,980,000
To be requested October, 2015	\$4,000,000
To be requested October, 2016	\$6,000,000
To be requested October, 2017	\$3,000,000
To be requested October, 2018	\$1,420,000
TOTAL	\$18,900,000

6) Environmental

Due to the nature and design of this program, these actions are subject to an environmental review. DuPage County Community Development will assume responsibility for environmental reviews at the appropriate level.

7) Section 3

CDBG-DR requires compliance with Section 3 requirements and encourages Section 3 related initiatives. DuPage County will comply with Section 3 requirements.

8) Proficient Controls, Processes, Procedures

As part of the process to receive the initial allocation of CDBG-DR funds, DuPage County certified that it has in place proficient financial controls and procurement processes and has established adequate procedures to prevent any duplication of benefits, ensure timely expenditure of funds, maintain comprehensive Web sites and detect and prevent waste, fraud, and abuse. There have been no material changes in processes or procedures that could potentially impact this prior certification.

9) Waivers

DuPage County intends to utilize the waivers and alternative requirements applicable to this appropriation published by HUD in the Second Notice. DuPage County reserves the ability to request certain waivers from the Secretary of HUD, if necessary.

10) Substantial Amendments

At a minimum, the following modifications will constitute a substantial amendment: a change in program benefit or eligibility criteria; the allocation or re-allocation of more than \$1 million; or the addition or deletion of an activity. DuPage County may substantially amend the Action Plan by following this Citizen Participation Plan. Amendments to the Action Plan that do not meet the threshold to be considered a substantial amendment will not require a public comment period, but all amendments will be numbered sequentially and posted on the disaster recovery website. The Citizen Participation plan has been updated in accordance with the requirements to receive this additional allocation and is posted on the DuPage County CDBG-DR website.

11) Public Comments –

The public comment period for this Amendment Number 1 began on August 8, 2014 with posting of this Amendment on the DuPage CDBG-DR website and publication of a summary in the Daily Herald. Additionally, links were e-mailed to municipalities within DuPage County, to agencies able to disseminate the information to persons with disabilities, and through the DuPage Continuum of Care. Press releases were published in many on-line and local publications. A public hearing was held on August 26, 2014. The comment period officially ended on September 10, 2014. Public comments received and responses are as follows:

Public comments received at the Public Hearing (21 people in attendance):

1. Resident of Lisle: What qualifies for the strategic buyout? (Response: The buy-out criteria was reviewed and it was explained where it could be located in the Amendment.)

2. Resident of Elmhurst: Why isn't the Country Club Highlands Project on the project list? (Response: Resident was encouraged to work with Elmhurst to see if this was an unmet need that should be included. Staff will also follow up.)
3. Representative from Lisle: Stated there was an unmet need for acquisition under HMGP. Stated the plan did not set aside enough funds for this activity. (Response: Can apply for additional under municipal match activity. Staff will also review IEMA information.)
4. Resident and representative of Winfield: Concerned about flooding in Winfield and no projects identified in Winfield. (Response: Completion of Winfield watershed plan is identified as an unmet need. Staff has been working with Winfield. If specific project can be identified, it could be included in next allocation of funds, as DuPage has been notified that additional funds will be available and awaiting publication in the Federal Register.)
5. Representative of Lisle VFW Post: Stated damage from the flood event and wondering if funds were available. (Response: Despite the needs assessments that were done, staff was not aware of this need. He was encouraged to quantify the needs in writing for staff so that eligibility could be determined and whether it should be included in the Amendment.)
6. Resident of Lisle: Expressed concern that the Lisle levee was 50 years old and that the flood had overflowed the levee. (Response: Should talk with Village and see if they plan to apply for a levee project under the municipal match program. Village has not expressed this as a need to DuPage County. May be issues as some properties surrounding the levee are being purchased with FEMA funds which may preclude any type of facility on the FEMA purchased properties.)
7. Resident of Wheaton: Stated repetitive flooding and wondered why Wheaton had no projects on the list. (Response: Another resident stated to this resident that he needed to contact the City and ask them to express needs to the County. Staff stated the same.)
8. Resident of Winfield: Asked specific question about flood-prone property that had legal issues. (Response: Staff said they would meet with resident after the meeting to talk about his specific issues and also to see if State's Attorney would need to be involved.)

Public Comment received outside of public hearing:

Unincorporated Elmhurst: A resident submitted written comments concerning a dangerous amount of flooding at the intersection of Emroy and Victory Parkway. During

the April, 2013 event, the resident’s wheel chair restricted son had to be evacuated by the fire department via raft because of the dangerous water levels at this intersection. The same resident submitted written comments concerning a dangerous amount of flooding in the Country Club Highlands neighborhood from Addison Creek between Hoard and County Line Road. The resident believes the creek needs dredging to alleviate this situation. (Response: This area is under the jurisdiction of unincorporated DuPage County. Public Works Department, Drainage Division will be consulting to address whether there is a project that is eligible for funding under CDBG-DR additional allocation.)

Unincorporated Elmhurst: A resident submitted written comments concerning repetitive flooding of her home. (Response: It should be determined if the resident meets the criteria for property buy-out and, if so, the resident encouraged to apply.)

City of Elmhurst: The City of Elmhurst Public Works Department has submitted written comments that the City experienced significant flooding in June and July of 2010 and again during the April, 2013 event. Consequently, the city of Elmhurst completed a comprehensive plan for the City that identified stormwater improvement projects that would reduce the flooding experienced in low lying areas. The City states an unmet need for the following specific projects:

Golden Meadows Park	Creation of 14 acre-feet of flood storage and storm sewer improvements. This project would provide valuable flood reduction benefits for 20 homes and reduce the frequency of road closures on Pine Street and Avon Avenue. These road closures result in health and safety issues, as emergency vehicles cannot access this area when flooding occurs.	\$3,390,000
Madison Early Childhood Center area	Creation of a 5 acre-feet of flood storage on this site and storm sewer improvements. This project would provide flood reduction benefits for 63 homes and reduce the frequency of road closures on Washington Street. Closure of this street results in health and safety issues, as emergency vehicles cannot access this area when flooding occurs.	\$2,500,000

Bryan Middle School area	Creation of a 17 acre-feet of flood storage on this site and storm sewer improvements. This project would provide flood reduction benefits for 104 homes and reduce the frequency of numerous road closures in the southwest area of Elmhurst. These road closures result in health and safety issues, as emergency vehicles cannot access this area when flooding occurs.	\$2,730,000
York Commons Park	Creation of 23 acre-feet of flood storage at this site and storm sewer improvements. This project would provide flood reduction benefits for up to 195 homes and reduce the frequency of numerous road closures in the Swain Avenue/Vallette Street area. These road closures result in health and safety issues, as emergency vehicles cannot access this area when flooding occurs.	\$3,210,000
Elmhurst Chicago Stone Quarry	Installation of relief storm sewers. This project would provide valuable flood reduction benefits for 52 homes and reduce the frequency of numerous road closures in this area of Elmhurst. These road closures result in health and safety issues, as emergency vehicles cannot access this area when flooding occurs.	\$3,120,000

(Response: The City of Elmhurst should determine which projects are at a point that they could be completed within the time constraints of the funding and apply for matching funds under the Municipal Match activity, if match is available. DuPage County will also seek additional information from Elmhurst to determine if there is a project eligible for CDBG-DR future allocation.)

Village of Lisle: Two residents, the Village Stormwater Administrator, and a County Board member representing District 2 submitted written comments concerning the need for property buy-out and maintenance of the River Dumoulin Levee System. The Village has applied for funds through the Hazard Mitigation Graph Program but believes that program would restrict future maintenance of the levee on any property acquired with the funding. (Response: Between the first and second allocation of funds, just under \$6 million has been set aside for property buy-out. There is also \$1.5 million committed for matching municipal activities. The Village of Lisle needs to determine if they wish to withdraw their HMGP application and, instead, encourage the residents in the affected properties to apply for buy-out under these other programs. If there continues to be unmet need, DuPage County believes that it will be receiving a third allocation of CDBG-DR funds that may be able to address the unmet need.)

Village of Oak Brook: A resident submitted written comments regarding the repetitive flooding of his home, as well as other homes on the same cul-de-sac. Residents are interested in property buy-out. (Response: It should be determined if the interested parties meet the criteria for property buy-out and, if so, encouraged to apply.)

Village of Westmont: A resident submitted written comments regarding the repetitive flooding of her home. (Response: This resident has submitted an application for property buy-out and when funds are available, her eligibility will be determined.)

City of Wheaton: A resident submitted written comments regarding the repetitive flooding of his home (and other homes in the neighborhood). He requests that drainage be improved on his street. (Response: This area is under the jurisdiction of the City of Wheaton. The City should be consulted to address whether this is a project that is eligible under the CDBG-DR Municipal Match program, if match is available or if the drainage issues have been addressed under any of the projects listed below by the City of Wheaton.)

City of Wheaton: The Stormwater Engineer for the City of Wheaton submitted written comments that stated an unmet need for the following projects:

Cherry Street Upland Depressional Area	Buy-out of 6 homes and flood protection measures for the remaining 11 homes.	\$1,550,000 for buy-outs and \$140,000 for remaining flood protection measures.
Brentwood Lane East of Briarcliffe Boulevard	A flood study is currently underway and will include an improvement alternative analysis. 52 homes are also being surveyed for low entry points.	Cost TBD, but buy-out of all homes would be approximately \$5,600,000
Williston Basin Tributary Area	Buy-out of 20 homes and flood protection measures for the remaining 11 homes.	\$5,500,000 for buy-outs and \$240,000 for remaining flood protection measures.

(Response: The City of Wheaton should determine which projects are at a point that they could be completed within the time constraints of the funding and apply for matching funds under the Municipal Match activity, if matching funds are available. Projects could also be considered under additional allocation County believes it will receive.)

Village of Winfield: Two residents submitted written comments regarding extensive and repetitive flooding in the Winfield Creek Watershed area and state an unmet need for a remediation plan for this area. One of the residents further stated a need for a seawall/retaining wall and also suggested dredging the creek bed. (Response: The Village had previously expressed an unmet need for completion of its watershed plan, which has been included as a project in this Amendment 1, pending determination of eligibility of such a project and what infrastructure improvements would result. If additional allocation of CDBG-DR is received, as DuPage County believes it will be, a preferred alternative from the watershed plan should be included as a potential project.)

DuPage County Public Works Department: Written comments were submitted regarding a list of drainage projects that Public Works would like to complete that meet the County’s criteria for multiple properties affected in the areas of life (habitable structure flooding), health (septic systems underwater for more than 24 hours), or safety (one foot of water over the roadway limiting access by emergency vehicles). Comments state that the projects are in various phases of study or design, with a few at final design. A table follows that lists the estimated cost of the project (without engineering) and properties affected. (Response: Public Works should determine which projects are at a point that they could be completed within the time constraints of the funding and apply for matching funds under the Municipal Match activity, as it is stated that many of the projects have cost-sharing match from other municipalities. Projects could also be considered under additional allocation County believes it will receive.)

	<i>DESCRIPTION</i>	<i>ESTIMATED COST</i>	<i>PROPERTIES AFFECTED</i>
WAYNE TOWNSHIP			
CAPE & WHITNEY	Culvert replacement	\$50,000	10
PROMONTORY OAKS	Repair outlet structure	\$45,000	50
BRANIGAN'S WAYNE CENTER	Culvert replacement	\$40,000	10
BLOOMINGDALE TOWNSHIP			
JOHN COURT	Severe ponding in rear yard	\$15,000	4
PEARL AVENUE	Repair failing retaining wall	\$130,000	20
PLEASANT & PRAIRIE	Increase detention areas	\$125,000	10
WALNUT	Ditching and culverts	\$183,000	15
BRYN MAWR	Storm sewers and ditching	\$583,000	60
GLEN ELLYN COUNTRYSIDE	Improve local drainage	\$150,000	30
ADDISON TOWNSHIP			
WILSON & WILLOW	Storm Sewer Lining	\$250,000	60
SCHICK ROAD	New Storm Sewer	\$60,000	20
EMORY AVENUE	Improve lateral lines	\$180,000	20
WINFIELD TOWNSHIP			
LEE ROAD	Low spot in multiple yards with no outlet, new storm sewer	\$65,000	6
ROOSEVELT & TOWN ROAD	Failing headwall needs repair	\$70,000	10
MILTON TOWNSHIP			
VALLEY ROAD	Cross culvert	\$20,000	
GOODRICH & BUSCH ROAD	Multiple homes with ponding	\$80,000	10
EAST OF MAIN STREET	Multiple homes with ponding	\$60,000	30
BEECHWOOD	Improve flow conveyance	\$100,000	10
WOODS AND GENEVA	Improve flow conveyance	\$150,000	20
ARROWHEAD	Multiple homes with ponding	\$150,000	20

NEWTON & SECOND	Improve flow conveyance and new storm sewers	\$200,000	20
GLENRISE AVENUE	Replace Culvert	\$120,000.00	20
YORK			
LUTHER & ROOSEVELT	Low spot does not drain, road closures	\$600,000	12
14TH & ADDISON	Multiple properties affected by flooding		
GLEN PARK ROAD	Multiple properties affected by flooding		
YORK CENTER/SUGAR CREEK	Multiple properties affected by flooding		
SHADY LANE	Multiple properties affected by flooding		
STERLING AVENUE	Maintain and improve DPC owned property	\$50,000	4
CHATEAUX-LOIRE	Multiple properties affected by flooding	\$60,000	6
YORKFIELD	Multiple properties affected by flooding	\$150,000	12
NAPERVILLE			
KNIGHT SUBDIVISION	Multiple properties affected by flooding	\$100,000	30
LISLE			
59TH STREET	Storm sewer and ditching	\$75,000	
RIVER & SURREY	Reshape drainage ditch	\$60,000	8
MAPLE & LAMOND	Storm sewer and ditching	\$10,000	4
COLLEGE AND ELINOR	Storm sewer and ditching	\$50,000	10
DOWNERS GROVE			
GOLFVIEW HILLS	Failing storm sewer/Lining	\$24,000	12
55TH PLACE	Install new overflow culvert	\$20,000	10
WOODWARD	Disjointed storm sewers	\$75,000	

LIBERTY PARK	Multiple locations	\$4,000,000	
TIMBERLAKE POND	Dredging	\$1,000,000	

The following are referred to in this document are incorporated herein by reference:

Appendix 1 – DuPage County Natural Hazard Mitigation Plan

Appendix 2 – DuPage County Stormwater and Foodplain Ordinance