

# HUD RESILIENCE TECHNICAL ASSISTANCE

## OVERVIEW

On August 11, 2014, Detroit received 4.57 inches of rain, the second largest rainfall on record according to the National Weather Service. This severe weather overloaded Metro Detroit's aging stormwater management system, leading to severe flooding of highways, disruption of Detroit's economy, damage to Detroit homes and businesses, and the discharge of over 10 billion gallons of combined sewer overflow, threatening the overall health of Great Lakes water system and Metro Detroit's water supply.

In responding to the 2014 flooding disaster, Detroit has a powerful imperative to not only address the unmet needs and vulnerabilities associated with severe weather and flooding, but also to establish more resilient, cost effective, and innovative infrastructure systems that can improve quality of life. In support of this objective, Detroit Future City Implementation Office (DFC) is providing broad technical assistance to the City, advocating for the incorporation of resilience objectives in project planning, developing proposals for resilience projects, and supporting requests for resources from public and philanthropic sources.

## UPDATE

HUD Secretary Castro, Senators Stabenow and Peters, Mayor Duggan, and Council member Leland, announced \$8.9 million in HUD funding for resiliency on August 7, 2015.

## OBJECTIVES

- Address unmet needs and ongoing vulnerabilities through resilience project planning and development;
- Transform vacant and underutilized land into innovative open spaces that can address future storm events but also stimulate economic development, support essential reinvestment, improve environmental and health conditions, and encourage thriving communities.
- Improve the fundamental value proposition for residents and businesses to be in the city by improving delivery, reducing costs, and moving beyond traditional legacy infrastructures to create a more sustainable city.

## EVALUATION METRICS

- New resources committed to resilience project predevelopment
- Pre-development and implementation of broader resilience projects in Detroit

## RESOURCES

- Erb Family Foundation





**SCHEDULE**

OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
2014			2015											

**INITIATIVE VITALS**



**CONTRIBUTING ORGANIZATIONS:**

**City of Detroit**

**DFC INITIATIVE TYPE: Partner**

**DFC REPRESENTATIVE: Chris Dorle**

**INITIATIVE SCALE: Detroit Water and Sewerage Department Priority Areas**

**INITIATIVE DURATION: Quarter 4, 2014 ongoing**

**RELEVANT PLANNING ELEMENTS:**

**Economic Growth, Land Use, City Systems, Neighborhoods, Land and Buildings Assets**

**DFC APPROACH**

Detroit Future City recommended a technical feasibility, visioning, and community engagement process to develop a citywide plan for an open space network. DFC also provided a larger resilient recovery concept, recommending the investment in renewable energy systems and sustainable natural systems in the form of green and blue infrastructure to help prevent untreated discharges of combined sewer overflows into the Great Lakes, improve air quality, reduce heat island effect, create new jobs and job training opportunities, and provide new amenities that improve the quality of life for current and future Detroiters. DFC continues to provide additional technical assistance to the City.

**IMPLEMENTATION STRATEGIES**

- B** USE A PLACED-BASED STRATEGY FOR GROWTH
- E** LAND REGULATIONS, TRANSACTIONS, AND ENVIRONMENTAL ACTIONS
- B** SUPPORT A NETWORK OF NEW AND EXISTING NEIGHBORHOOD TYPES
- C** INTRODUCE NEW FORMS OF DEVELOPMENT
- D** CREATE A NEW AND DIVERSE OPEN SPACE SYSTEM FOR THE CITY
- A** REFORM SERVICE DELIVERY
- B** CREATE LANDSCAPES THAT WORK
- A** ADDRESS QUALITY OF LIFE CHALLENGES THAT AFFECT ALL DETROITERS
- C** REPURPOSE VACANT LAND TO CREATE GREEN NEIGHBORHOODS
- F** UTILIZE PRODUCTIVE LANDSCAPES AS THE BASIS FOR A SUSTAINABLE CITY
- C** TRANSFORM LARGELY VACANT AREAS THROUGH BLUE AND GREEN INFRASTRUCTURE
- E** MAKE LANDSCAPE INTERVENTIONS CENTRAL TO DETROIT'S RENEWAL