• On April 17 and 18, 2013, Northeastern Illinois saw widespread rainfall totals of 5.55 inches over a 24-hour period, according to data measured at O’Hare International Airport.

• However, the central and eastern portions of DuPage County were hit with more than 7 inches of rain during that period with the heaviest coming down in a 15-hour window.

• This flood caused approximately $97 million in private and federal insurance, grants, assistance and loans for property repairs, projects and other mitigation activities, including substantial amounts from:
  • HUD
  • FEMA
• HUD Community Development Block Grant (CDBG) Funding:
  • Disaster Recovery
    • Formula-based
    • DuPage received $31.5 million
  • National Disaster Resilience Competition (NDRC)
    • Competitive grant process
    • 67 eligible applications
• NDRC awards total up to $1 billion to eligible applicants.
• Competition involves two phases:
  • Phase 1: Asked to demonstrate unmet needs
  • Phase 2: Asked to design a resilient project/programs
RECOVERY VS. RESILIENCE

Shocks and stresses can bring opportunities for places to evolve and in some circumstances transform.

- Provides benefits under normal times
- Allows states, counties, and cities to recover faster

STORMWATER MANAGEMENT
• During NDRC, DuPage County locally:
  • Convened a steering committee including public, private and non-profit partners;
  • Hosted 7 community meetings;
  • Held 2 public hearings;
  • Engaged 80 local non-profit organizations; and
  • Received 700 responses to a residential survey.
During NDRC, DuPage County was an integral member of the Northeastern Illinois Resilience Partnership, which also consisted of the State of Illinois, Cook County, City of Chicago.

During Phase 1, the group convened 10 regional meetings with stakeholders representing 79 organizations, including:

- 27 non-profit and community based organizations;
- 24 public sector agencies;
- 19 businesses;
- 6 research institutions;
- 3 local foundations; and
- 40 additional organizations during Phase 2.
• Culmination of this outreach was the East Branch DuPage River Watershed & Resilience Plan.
• The Watershed Plan includes:
  • Unmet needs from April 2013 flood;
  • Flood-prone area identification;
  • History and demographics;
  • Conceptual projects at the local and regional levels; and
  • Water quality components.
EAST BRANCH STUDY

- The Plan identified top three areas impacted by the April 2013 flood within:
  - Village of Lisle
  - Village of Downers Grove
  - Village of Glen Ellyn
  - Village of Westmont
- DuPage County then assessed factors to determine most vulnerable, including:
  - Per capita income;
  - Poverty levels;
  - Unmet recovery needs from April 2013;
  - 100-year floodplain; and
  - Areas of known repetitive floodplain.
• The Village of Lisle was identified as being the most impacted and distressed from the April 2013 flood.
• DuPage County then began focusing on flood control projects in Lisle, specifically at the confluence of:
  • East Branch DuPage River
  • St. Joseph Creek
The Community Resilience Framework helps guide the process of establishing stronger communities. It ensures all of the moving pieces are working together toward the end goal of resilience.
1. Keep the levee at current level of protection.
1. Keep the levee at current level of protection.
2. Improve the levee to a FEMA certified degree of protection.
1. Keep the levee at current level of protection.
2. Improve the levee to a FEMA certified degree of protection.
3. Raise the land adjacent to the East Branch to a FEMA certified degree of protection.
• Keep the levee at current level of protection.
• Improve the levee to a FEMA certified degree of protection.
  • Cost: $61,586,000
  • BCA: 5.0
• Raise the land adjacent to the East Branch to a FEMA certified degree of protection.
  • Cost: $49,703,800
  • BCA: 5.9
• Redevelopment Opportunity Value
  • Raise the land value affected by the project from $24,624,115 to $245,657,031 with an assumed investment of $190,000,000, which is a 7% return to investors.
  • Create estimated 1,703 permanent jobs and 1,486 construction jobs.
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