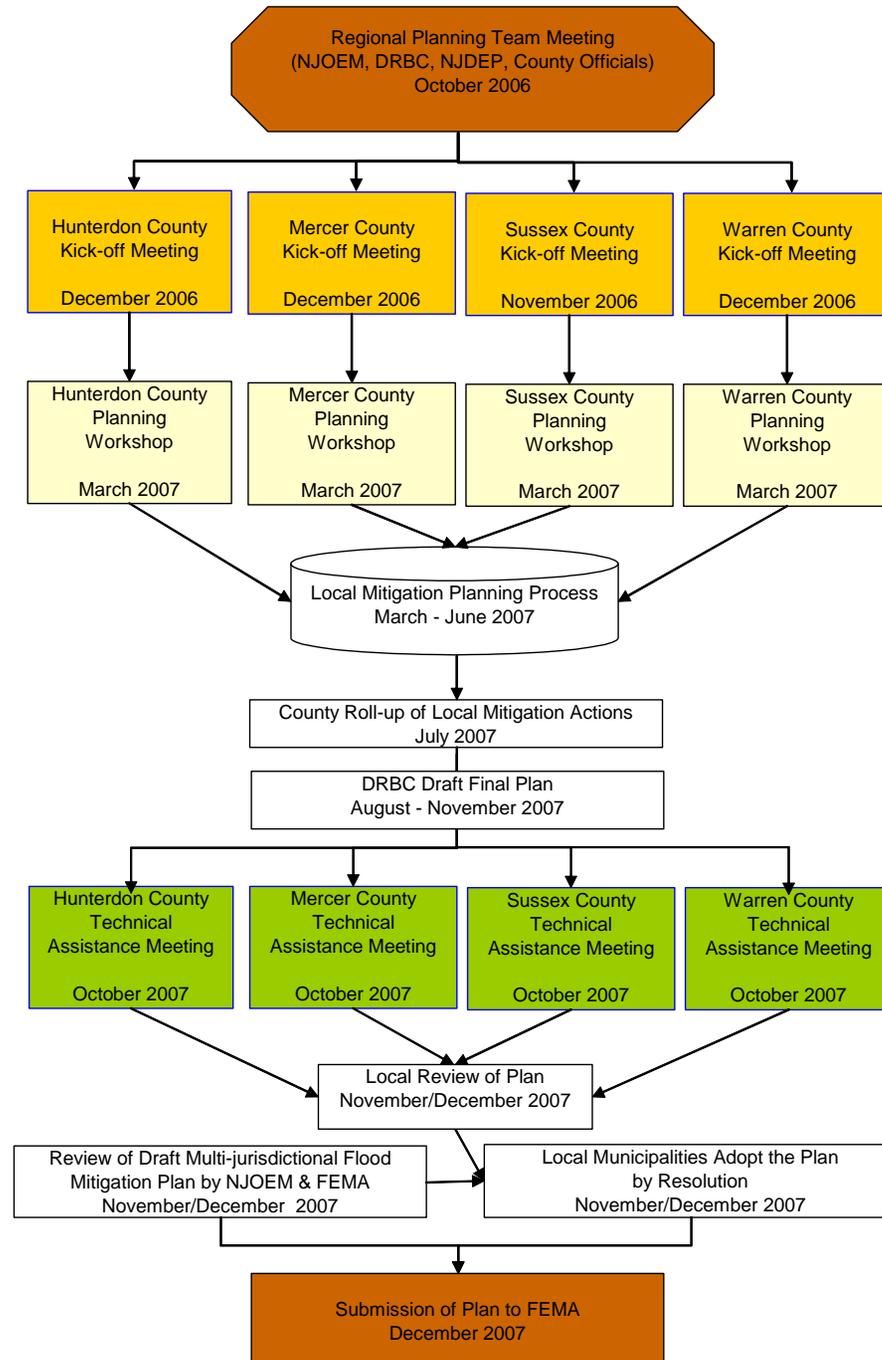


A Flood Mitigation Plan for the Non-Tidal N.J. Section of the Delaware River Basin



Sussex County Technical Workshop
(3rd Meeting)
October 17, 2007



Participation in the Multi-Jurisdictional Flood Mitigation Plan
for the Non-Tidal N.J. Section of the Delaware River Basin

Study Area Participation:

Hunterdon:

16 Eligible Municipalities
15 Participating

Mercer:

9 Eligible Municipalities
6 Participating

Sussex:

17 Eligible Municipalities
12 Statements of Intent

Warren:

22 Municipalities
21 Participating

Total Actively Participating:

54 municipalities!



Ongoing Initiatives

- Delaware River Basin Interstate Flood Mitigation Task Force
 - Final Report Issued - July 2007
 - Congressional Briefing
 - NJDEP Briefing

- Flood Analysis Model

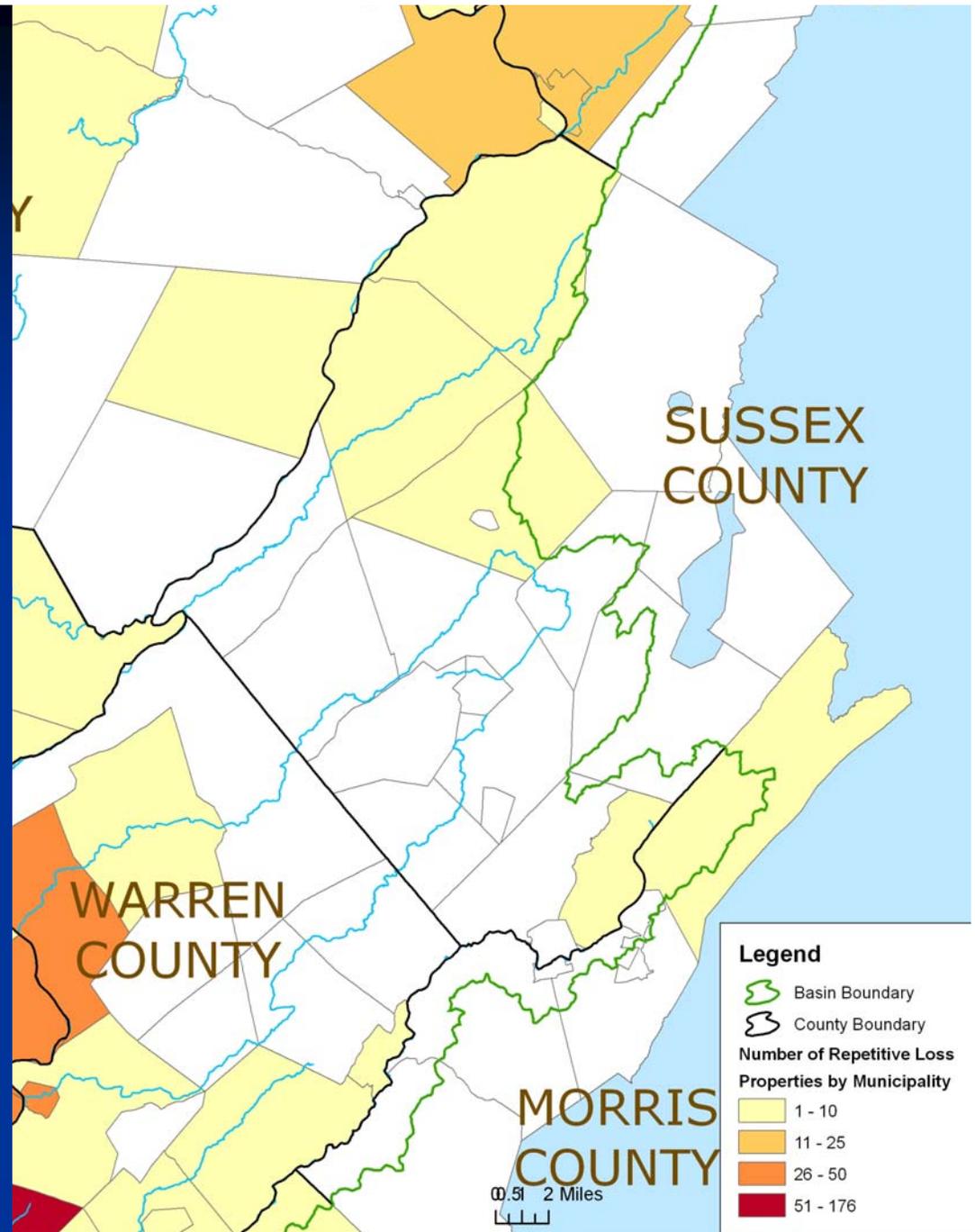
Repetitive Loss Properties

Sussex County:

5 Repetitive Loss Properties
\$0.3 Million in Total Payouts

Municipalities with Loss Properties:

	<u>Properties</u>
Montague	2
Sandyston	1
Frankford	1
Hopatcong	1



Data provided by FEMA, 02/28/07

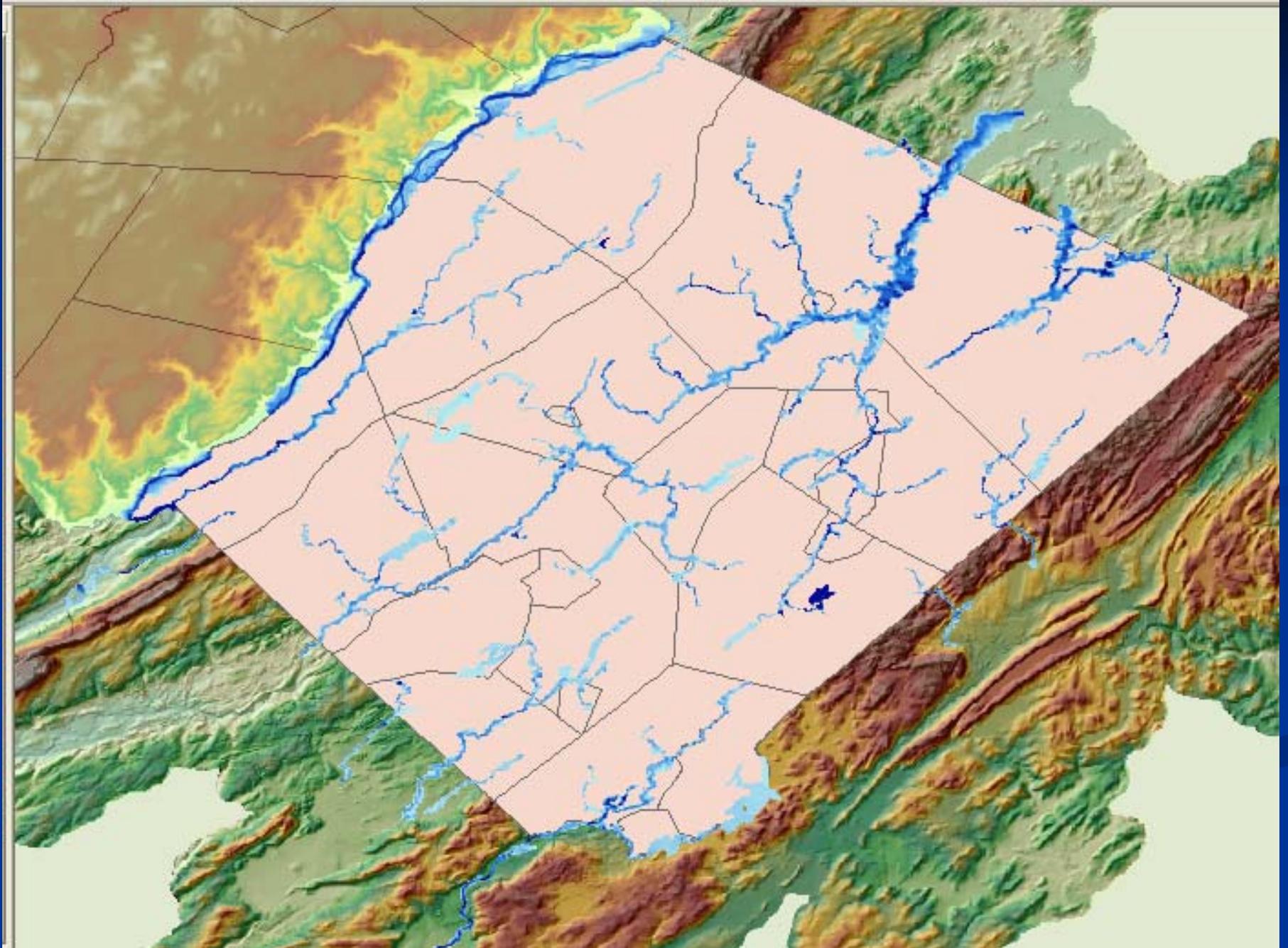


HAZUS Flood Model Results



- Hazard maps
 - Flood depth
- Building losses
 - By occupancy and by building type
 - By full replacement value and depreciated replacement value
- Essential facilities
 - Building and content losses
- Vehicles and agriculture losses
- Shelter requirements

100 Year Event



Essential Facilities Shown by HAZUS to be Inundated by a 100 Year Flood

POLICE

Sparta Twp Police Dept	65 Main St	Sparta	NJ
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SCHOOL

Branchville School	34 Wantage Avenue	Branchville	NJ
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Fire Training Academy		Hampton	NJ
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AIRPORT

AEROFLEX-ANDOVER		ANDOVER	NJ
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WASTEWATER FACILITIES

NEWTON TOWN OF WATER & SEWER DEPT.	35 TOWNSEND STREET	NEWTON	NJ
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Sewer Pump Station	near 71 Route 206	Byram	NJ
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USER DEFINED

Branchville Borough Building	5 Main Street	Branchville	NJ
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Municipal Offices and Court	151 Us Highway 206	Frankford	NJ
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County Farm Complex	129 Morris Turnpike	Frankford	NJ
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Sandyston Township DPW garage	13 Maple Lane	Sandyston	NJ
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Dingman's Toll Bridge	CR 560	Sandyston	NJ
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Additional Essential Facilities Shown by HAZUS to be Inundated by a 500 Year-Flood

FIRE

Andover Twp Fire Co 1		Andover Township	NJ
Andover Borough Fire Dept	Route 206	Andover Borough	NJ

SCHOOL

Byram Lakes Schools	12 Mansfield Drive	Byram	NJ
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USER DEFINED

Byram Municipal Building	10 Mansfield Dr	Byram	NJ
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Importance of Local Participation:



Lambertville, NJ - April 2005

- Crucial for the successful development of a Flood Mitigation Plan that contains mitigation actions able to be implemented in the future.
- Participation by the counties and municipalities is also required by FEMA in order for them to be eligible to adopt the Plan.

Sussex County Participation

Municipality	Submitted Statement of Intent	Submitted Municipal Questionnaire	Submitted Municipal Worksheet	Attended County Kick-off Meeting	Attended Planning Workshop
Andover Borough	X	X	X	X	-
Branchville Borough	X	X	X	X	X
Byram Township	X	X	X	X	X
Frankford Township	X	X	X	X	X
Fredon Township	X	X	X	X	-
Hampton Township	X	X		X	-
Hopatcong Borough	X	X		X	X
Montague Township	X	X	X	X	X
Newton Town	X	X		X	X
Sandyston Township	X	X	X	X	X
Stillwater Township	X	X	X	X	-
Sparta Township	X	X	X	X	X
Lafayette Township	X			-	X
Stanhope Borough				X	-

Not Participating: Andover Twp, Green and Walpack

as of 10/16/2007

as of 10/16/2007

Sussex Participation cont.

Municipality	Issued Public Notice	Held Public Meeting	Distributed Residential Questionnaire	Composed Goals	Listed Draft Mitigation Actions
Andover Borough	X	X	X	X	X
Branchville Borough	X	X	X	X	X
Byram Township	X	X	X	X	
Frankford Township	X	X	X	X	X
Fredon Township					
Hampton Township					
Hopatcong Borough					
Lafayette Township					
Montague Township	X	X	X	X	
Newton Town					
Sandyston Township	X	X	X	X	X
Sparta Township	X	X	X	X	X
Stanhope Borough					
Stillwater Township	X	X	X	X	

Local Municipality Requirements

1. Submit a Statement of Intent for your municipality
2. Designate a local liaison for your municipality
3. Attend county meetings and planning workshops
4. Form a local flood mitigation planning committee
5. Document your local planning process
6. Complete the municipal questionnaire
7. Publish notice of the municipality's intent to prepare a Flood Mitigation Plan to encourage public participation
8. Distribute a prepared questionnaire to residents known to be in the flood prone areas

Local Municipality Requirements (cont.)

9. Allow time for comment at two public meetings; once during the drafting stage and another prior to adopting the plan.
10. Collect resident questionnaires and summarize public comments
11. Create a list of flood mitigation goals for your community
12. Compose a list of community goals and desired local mitigation actions
13. Adopt the final plan locally by resolution

- Compose and prioritize a list of desired local mitigation actions (include estimated cost, organization responsible for implementation, implementation schedule, priority and potential funding sources)

Implementation Strategy Table Sample
(adapted from Draft FEMA 386-8 Multi-jurisdictional How-To)

(Name of Jurisdiction) Town A

Mitigation action, program or project	Hazard(s) addressed	Applies to existing or new assets	Existing local planning mechanism through which action will be implemented	Responsible Party	Target date	Estimated cost (\$)	Funding source	Priority
Action 2.1.1: Bridge Replacement	Flood	Existing	Capital Improvement Plan	Planning Department	2 years from plan adoption date	\$90,000	Capital Improvement budget	High
Action 2.1.2: Property Acquisition	Flood	Existing	Floodplain Management Plan	Village Administrator	1 year	\$80,000	Pre-Disaster Mitigation Program (75%) and local match (open space program) (25%)	High
Action 2.3.1: Elevate critical facility (hospital)	Flood	Existing	NFIP participation	NFIP coordinator	2 years	\$50,000	Flood Mitigation Assistance Program grant	High
Action 5.3.1: Public awareness program on local TV channel	All	New and existing	NA	County Emergency Management Agency	6 months	\$5,000	Private Channel I	Medium
Action 1.4.1: Code update	Seismic and wind	New	Building Code Ordinance	Building Department of each jurisdiction	3 years	Staff time	Department budget	Medium

Prepared by:
Name _____
Title _____
Telephone _____

Flood Mitigation Action Categories

1. **Prevention** (Open space preservation, Floodplain regs)
2. **Property Protection** (Acquisition, Elevation, Relocation, Structural Retrofits)
3. **Public Information and Awareness** (Outreach, Education, Training)
4. **Emergency Services** (Warning systems; Community Notification Systems)
5. **Natural Resource Protection** (Floodplain protection, Riparian buffers)
6. **Structural Projects** (Levees, floodwalls, floodgates, Stormwater Retrofits)

Next Steps - Municipalities

- Submit FINAL Municipal Worksheet by October 31st!
- Ensure Completion of:
 - Prioritized Local Mitigation Actions
 - Public Participation Process
 - Publish Notice of Intent
 - Flood Prone Resident Questionnaire
 - Allow Comment at a Public Meeting
 - Summarize Public Comment
 - Flood Mitigation Goals

**Submit FINAL Municipal
Worksheet by October 31st!**

Municipality	Program	Project	Federal	Non-Federal
Harmony Township	Flood Mitigation Assistance Program (FMA)	Acquisition of 3 structures	\$ 674,640	\$ 224,880
Wayne Township	FMA	Acquisition	\$ 5,749,500	\$ 1,916,500
Little Falls Township	Repetitive Flood Claims Program	Acquisition of 5 structures	\$ 1,900,000	\$ -
Harmony Township	Hazard Mitigation Grant Program (HMGP)	Acquisition of 4 structures	\$ 858,900	\$ 286,300
Harmony Township	HMGP	Elevation of 8 structures	\$ 372,300	\$ 124,100
Pohatcong Township	HMGP	Acquisition of 2 structures	\$ 365,550	\$ 121,850
Fairfield Township	HMGP	Elevation of 6 structures	\$ 193,073	\$ 64,358
Carneys Point Township	Pre-Disaster Mitigation Grant Program (PDM)	Pump Station Upgrade	\$ 1,210,069	\$ 407,023