



Town of Shandaken - Flood Mitigation Plan



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Presented by Tetra Tech, Inc.

TOWN OF SHANDAKEN FLOOD MITIGATION PLAN



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OUR TOPICS TONIGHT

- The Problem
- Why do a Flood Mitigation Plan?
- The Objectives
- Project Deliverables
- Shandaken Vulnerability Assessment



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HISTORY OF FLOODING

- Shandaken – “land of rapid waters”
- Riverine and Flash Flooding
- 18 Presidentially Declared Flood Disasters since 1950.
- Massive Damages to homes and infrastructure
- Evacuations

Historic Flood Discharges in Ashokan Reservoir Watershed At Coldbrook Gage)		
Rank	Date	Peak Discharges (cfs)
1	August 28, 2011	75,800 (~24')
2	March 21, 1980	65,300 (~22')
3	March 30, 1951	59,600
4	April, 3, 2005	55,200
5	August 24, 1933	55,000
6	October 15, 1955	54,000
7	January 19, 1996	53,600
8	April 4, 1987	51,700
9	December 21, 1957	46,900
10	March 12, 1936	38,500
11	April 5, 1984	37,400 (~18')



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WHY??

- Proactive vs. Reactive (Save \$4 for every \$1 in Mitigation)
- Can act as a keyway to funding
- The Community Rating System
- Blueprint for Flood Reduction
- Support other planning mechanisms
- Watershed Plans
- Land Use Plans
- Codes and Ordinances



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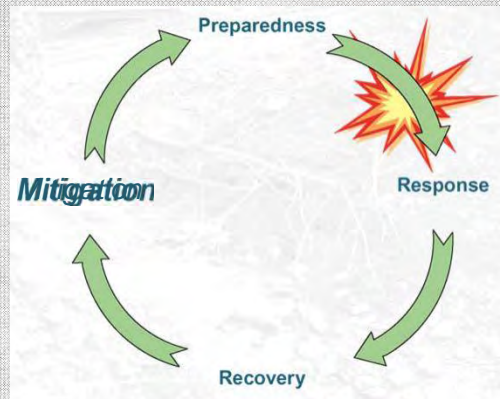
WHAT IS HAZARD MITIGATION

"Mitigation" -

*Sustained action taken to
reduce or eliminate
long-term risk to life and property
from a hazard event*

Or -

*Any action taken to
reduce future disaster losses*



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MISSION STATEMENT

- The mission of the Town of Shandaken Flood Mitigation Plan is to:
 - develop and promote appropriate Town policy and practices
 - to protect the residents, private property, public essential facilities and the environment
 - from probable flood hazards.



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OVERALL GOAL

The overall goal of the Plan is to improve the Town's capability to prepare for, respond to, recover from, mitigate against and reduce vulnerability to flooding. The plan identifies and encourages partnerships for coordinated implementation, funding, public awareness and the development of strategies for carefully planned mitigation efforts designed to protect the health, safety, quality of life, environment and economy of the Town of Shandaken.



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COMMUNITY RATING SYSTEM

- Participation and ranking in CRS will improve ability to lower flood damages (higher regulatory standards, enforcement of regulations, increased knowledge of floodplain issues)
- CRS ranking will reduce NFIP Flood Insurance Premiums



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CRS BENEFITS

- Provides incentive to participating communities to exceed the minimum NFIP criteria .
- Incentive is a reduction in the cost of flood insurance in participating Communities.
- Can reduce the cost of flood insurance from 5% up to 45%
- Participation is voluntary



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CRS OBJECTIVES

- Three Primary Objectives
 - Reduce losses caused by flood related hazards
 - Support accurate insurance rating
 - Promote awareness of flood insurance