



Department
of Health



Department of
Environmental
Conservation

Drinking Water Source Protection Program

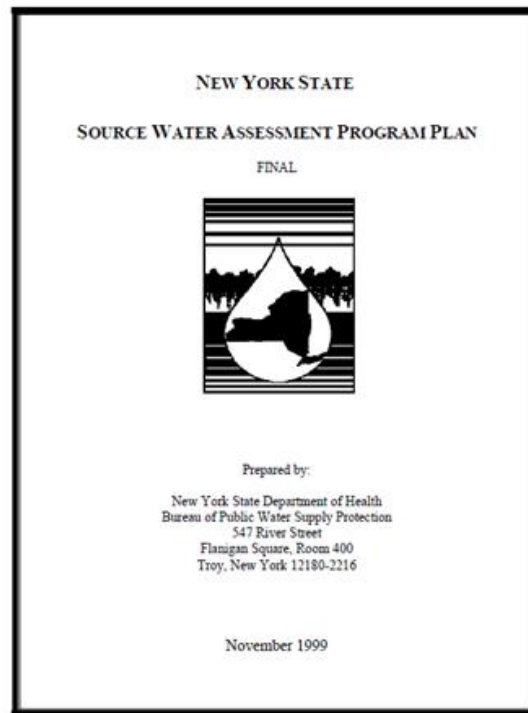
Next-generation Focus on Protection

Source Water Assessment & Protection



Background: Source Water Assessment Program (SWAP)

1996 Amendments to Safe Drinking Water Act (SDWA)



Department of
Environmental
Conservation



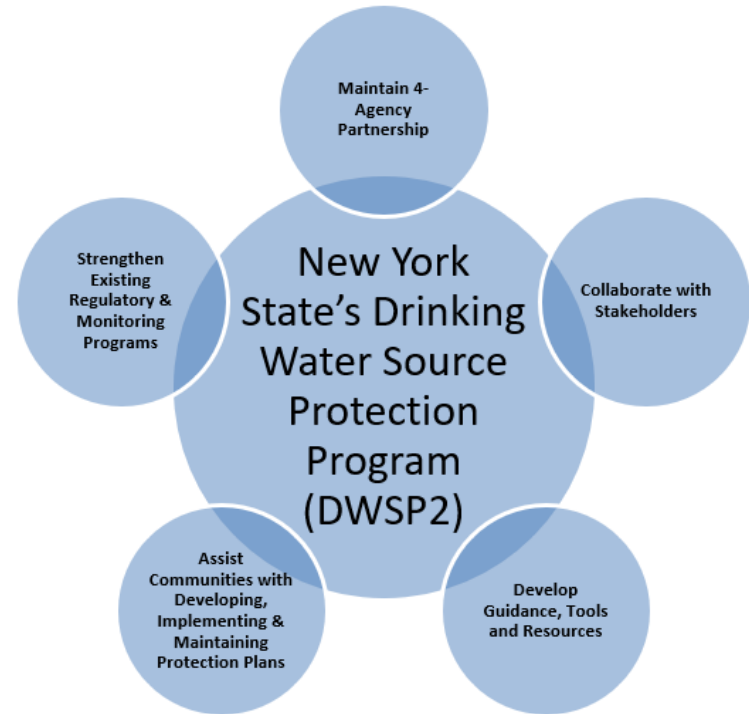
Department
of Health

2017 Clean Water Infrastructure Act

\$5 Billion in Overall State Water Funding and Record Funding for Environmental Protection Fund (EPF)



Source Water Collaborative



Next Generation Focus: Assessment → Protection



State-wide Drinking Water Source Protection Program

Community-Specific Source Water Protection Framework
5-Pronged Approach to Assist Communities

State-hired
Consultant

Regional
NEIWPC Staff

New York Rural
Water Association

Regional Planning
Boards through
DEC's 604(b)
Program

Municipalities can
develop plans
independently

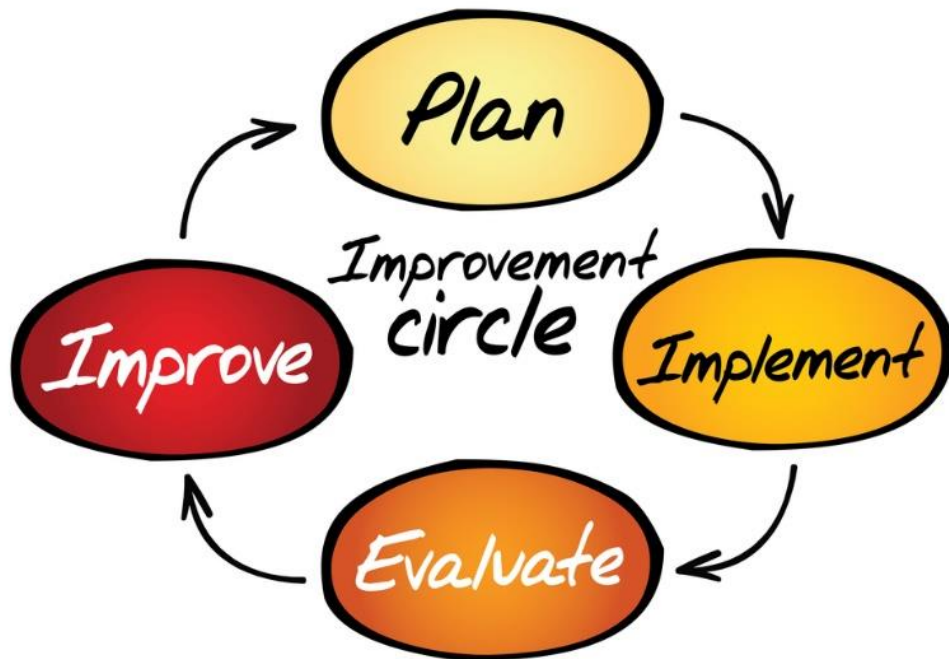


Department of
Environmental
Conservation



Department
of Health

Make Protection Endure



Community-Specific Protection Plan Framework

1. Stakeholder Group

- 1.1 Form a Stakeholder Group
- 1.2 Establish Goals and Formulate a Vision

2. Drinking Water Source Assessment

- 2.1 Develop an Overview of the Water System
- 2.2 Prepare a Drinking Water Source Protection Map
- 2.3 Create a Potential Contaminant Source Inventory

3. Protection and Implementation Strategies

- 3.1 Identify Protection Methods
- 3.2 Develop an Implementation Timeline

4. Progression and Maintenance

- 4.1 Designate a Plan Management Team



Department of
Environmental
Conservation



Department
of Health

1.1 Form a Stakeholder Group

- Stakeholder Group will guide the Development and Implementation
- Stakeholder Group may be created from an existing board/commission or an entirely new group



Department of
Environmental
Conservation



Department
of Health

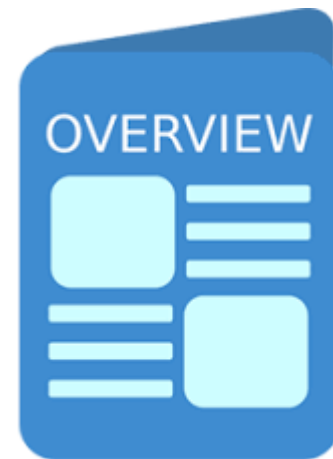
1.2 Establish Goals and Formulate a Vision

- Should aim to guide development and implementation
- The Vision should:
 1. Recognize that drinking water source protection is part of a multi-barrier approach.
 2. Include input from stakeholder group members.
 3. Declare intent to commit sufficient resources to drinking water source protection.
- A “Call to Action” from the community



2.1 Develop an Overview of the Water System

- A general water system overview
 - Water quality summary
 - Water quantity summary
- Used to select appropriate methods to delineate drink water source protection areas



Department of
Environmental
Conservation



Department
of Health

2.2 Prepare the Drinking Water Source Protection Map

- Map the drinking water source
- Framework provides recommended protection areas and information on a variety of tools (simple to sophisticated) to delineate protection areas
- Populate map with potential contaminant sources
- Add the National Land Cover Dataset (NLCD)



Department of
Environmental
Conservation



Department
of Health

2.3 Create a Potential Contaminant Source (PCS) Inventory

- Using the updated map, identify all PCS within the established protection areas
- Identify point and nonpoint sources
- Create inventory table of PCS with relevant information



Department of
Environmental
Conservation



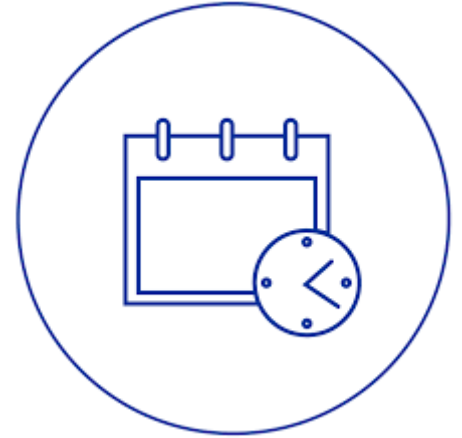
Department
of Health

3.1 Identify Protection Methods

- Use the framework to find specific protection methods for your PCS
- Methods can be used to manage existing and future PCS

3.2 Develop an Implementation Timeline

- Items to consider:
 - Priority Issue
 - Protection Method
 - Targeted Potential Contaminant Source(s)
 - Potential Funding Sources
 - Costs
 - Implementation Timing/Schedule



Department of
Environmental
Conservation



Department
of Health

4.1 Designate a Plan Management Team

- The community should designate a Plan Management Team
- The Plan Management team should:
 - Share progress reports
 - Review and share the plan
 - Create a revision schedule



Department of
Environmental
Conservation



Department
of Health

Framework's Key Components

1. Stakeholder Group

- 1.1 Form a Stakeholder Group
- 1.2 Establish Goals and Formulate a Vision

2. Drinking Water Source Assessment

- 2.1 Develop an Overview of the Water System
- 2.2 Prepare a Drinking Water Source Protection Map
- 2.3 Create a Potential Contaminant Source Inventory

3. Protection and Implementation Strategies

- 3.1 Identify Protection Methods
- 3.2 Develop an Implementation Timeline

4. Progression and Maintenance

- 4.1 Designate a Plan Management Team



NEW
YORK
STATE
Department of
Environmental
Conservation

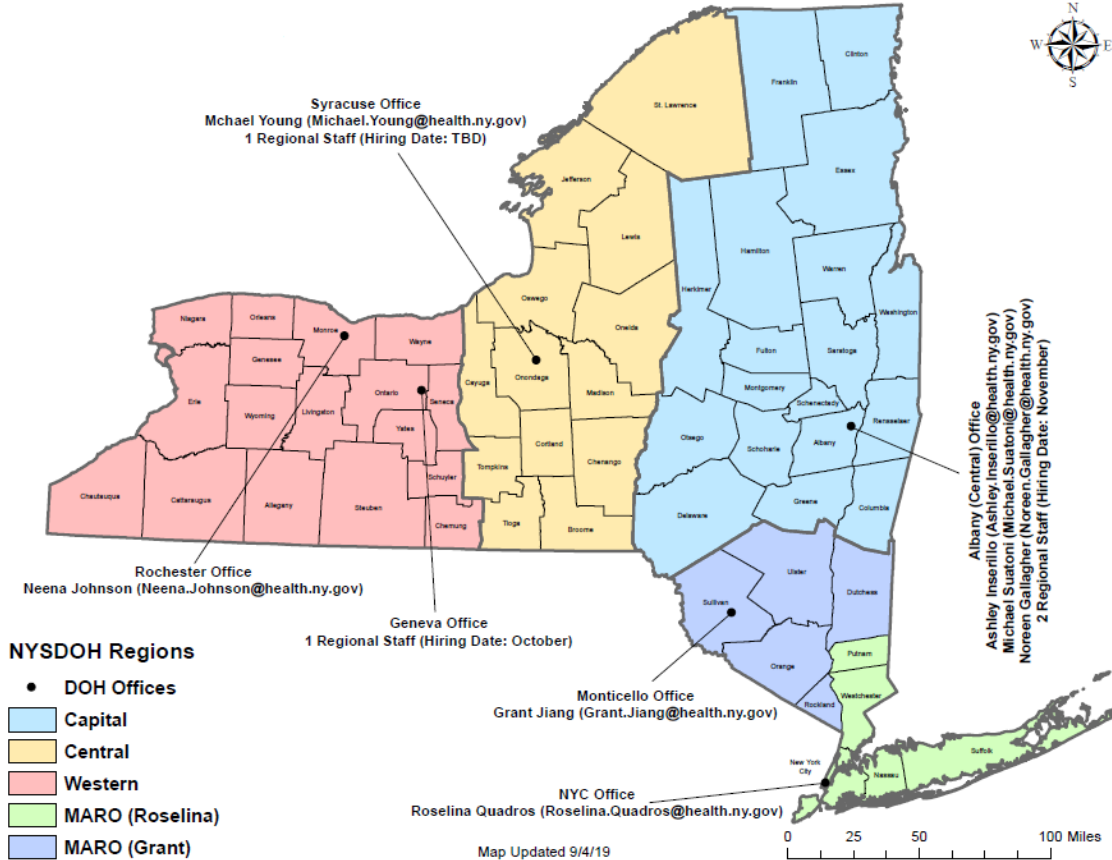


NEW
YORK
STATE
Department
of Health

Next Steps



NYSDOH NEIWPC Staff



Update:
7 out of 11 staff hired
 1 Program Manager
 2 Program Assistants
 2 MARO staff
 1 Central staff
 1 Western staff

Later this fall: 1 more Western, 1 more Central staff and 2 Capital staff



Department of Environmental Conservation



Department of Health

Regional Planning Assistance

- Funding to assist municipalities with developing and implementing their source water protection program
- Awards made recently and working with Boards to develop their workplans.

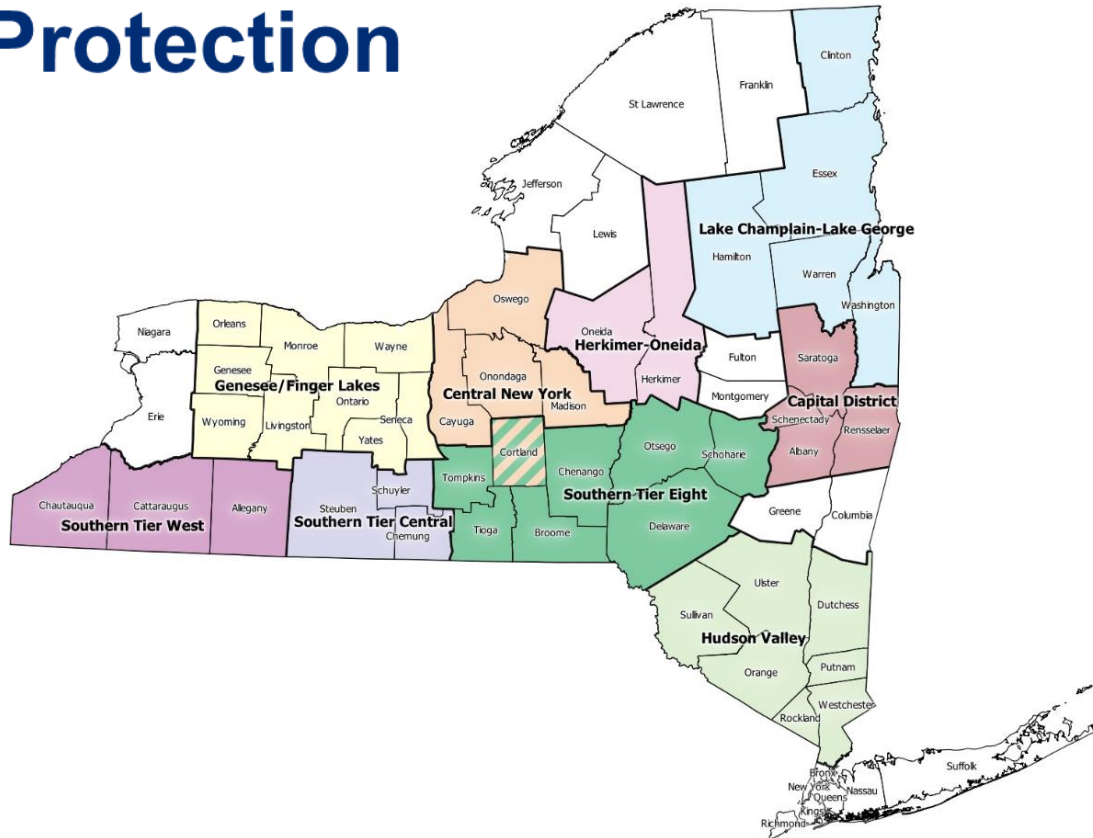


Department of
Environmental
Conservation



Department
of Health

NYSARC Assistance for Source Water Protection



Department of
Environmental
Conservation



Department of
Health

Funding for Land Acquisition to Protect Source Water

- DEC's Water Quality Improvement Project (WQIP) grant program provides funding for land acquisition that protect sources of public drinking water.
- Available for purchase of land and conservation easements.
- Two rounds funded so far, totaling 26 projects and awarded more than \$28 million.



Department of
Environmental
Conservation



Department
of Health

Support for WQIP Grant Recipients

- WQIP Land Acquisition Toolkit.
 - Includes resources to aid awardees with the development of land acquisition documents.



Department of
Environmental
Conservation



Department
of Health

Buffer Program for Source Water Protection

Source Water Buffer Program – Dept. of Ag & Markets

- Protects active sources of public drinking water through the purchase of conservation easements on agricultural lands.
- \$5,000,000 will be available for awards.
- Applicants: Soil and Water Conservation Districts. Can partner with municipalities or not-for-profits
- Continuous RFA, open for one year.



NEW YORK STATE
Department of
Environmental
Conservation



NEW YORK STATE
Department
of Health

Thank You

Noreen Gallagher

Source Water Assessment & Protection Program, NYSDOH

Noreen.Gallagher@health.ny.gov

