Technical Assistance Partnership Forum Watershed Governance Craig Cashman **Executive Director Watershed Agricultural Council** Hamden, NY

September 6th, 2012

Rondout Reservoir, Sullivan County @JoshDickPhoto.com



to support the economic viability of agriculture and forestry through the protection of water quality and the promotion of land conservation in the New York City Watershed region.



WAC's Key Programs

- Agriculture
- Forestry
- Conservation
 Easements
- East of Hudson
- Farm to Market
- FarmerEducation
- Outreach



Board & Staff





The Watershed Agricultural Council is funded in part by:







along with other federal, foundation and private sources. The WAC is an equal opportunity employer and provider.

Council Snapshot 2011

- 2011 Budget=\$15.7 million
 - •93% funded by DEP
 - = \$14.6 million
 - •7% funded by USDA, USFS, grants
 - = \$1.26M
- Agricultural Program = \$5.2M
- Easement Program=\$6.6M
- Forestry Program=\$1.2M
- East of Hudson Program <\$1M
- Administration=\$1.5M



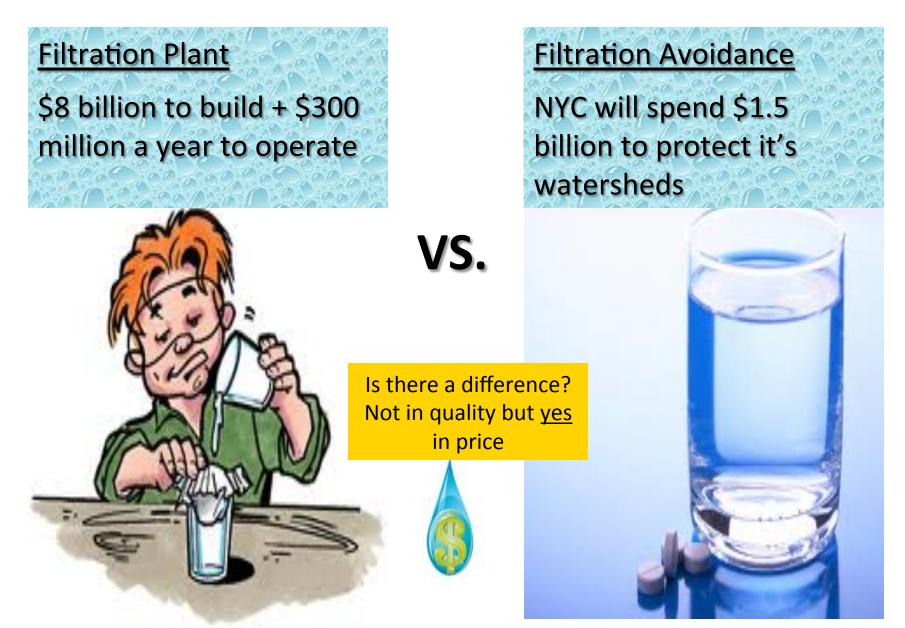


Filtration Avoidance Determination

- The Safe Drinking Water Act amendments of 1986 required all drinking water taken from surface water sources must be filtered
- EPA was allowed to change the requirement for cities if they showed to have an effective watershed control program
- January 1993 EPA granted NYC a waiver called the Filtration Avoidance Determination



Filtrating vs. Treating Water?



Watershed Protection: What does PES cost NYC DEP?

New Infrastructure Program (first 7 communities) Community Wastewater Program Septic System Rehabilitation, Replacement & Maintenance Programs Alternate Design Septic System Program Sewer Extension Program WWTP Upgrades (non-City-owned) WWTP Upgrades (City-owned) Stormwater Retrofit Program Future Stormwater Controls Program Watershed Agricultural & Forestry Program	\$104,000,000 \$53,000,000 \$56,000,000 \$3,000,000 \$15,800,000 \$130,000,000 \$270,000,000 \$24,000,000 \$31,700,000
\$122,600,000 WAC Agricultural Easement Program Land Acquisition Program (including DEP Easements & Croton acquisition) Stream Management Program Kensico Water Quality Protection Program East of Hudson Non-point Source Controls Program Catskill Fund for the Future (Economic Development) CWC Public Education Grants Program Miscellaneous (Good Neighbor Payments, etc.)	\$70,000,000 \$509,500,000 \$55,000,000 \$20,000,000 \$33,000,000 \$60,000,000 \$2,800,000 \$35,000,000
TOTAL CUMULATIVE NYC FUNDING COMMITMENTS (to date)	\$1,595,400,000

The Concept of "P.E.S."

In 1997 NYC, New York State, USEPA, environmental groups, and dozens of watershed communities signed the historic Watershed Memorandum of Agreement (MOA) that paved the way for a new model of watershed protection – Payment for Ecosystem Services – which relies on NYC working in partnership with upstate watershed constituents to implement a comprehensive water quality protection program that does not adversely impact the economic viability of watershed communities.



Watershed Agricultural Program: 1991 pilot Watershed Agricultural Council: 1993 incorporated

- Large Farm Program
- Small Farm Program
- Farm to Market Program
- Farmer Education Program
- Buy Local branding campaign
 Pure Catskills
- Agricultural Program component to the East of Hudson Program





Agricultural Program

As of 2011, 395 farms are enrolled in WAP:

- 56 farms (Croton)
- 87 small farms (Cat/Del)
- 252 large farms (Cat/Del)

Currently, 102 farms are enrolled in Nutrient Management Credit Program

- 81 funded by DEP \$327,893
- 21 funded by AWEP ~\$80,000 (3rd round \$25,000)



CREP: Conservation Reserve Enhancement Program

- 2011 marked the 13th full year of the NYC CREP MOA between NYC, NYS and USDA.
- In 2011, 7 Riparian Forest Buffer contracts enrolled an additional 42.2 acres increasing the total number of enrolled acres to 2, 047.7.



What's a BMP-Best Management Practice?





Barnyards: Before & After









Composting: Problems & Solutions





Why Forests?

- Healthy forests are the best land cover for water quality because they:
 - 1. Hold soil in place
 - 2. Slow the flow of water through the landscape
 - 3. Naturally filter many pollutants
 - 4. Forests do not have septic systems or impermeable surfaces which negatively affect water quality.

Five Core Program Areas

- Forest Management Planning: Provides forest landowners with basic information to help them make wise land-use decisions.
- BMP and Stewardship Implementation: Provides financial and technical assistance to loggers to encourage the implementation of BMP's and stewardship practices.
- Education & Training: Provides loggers, forest landowners, foresters, teachers, students and the general public with information about the connection between forests and water quality.
- Forest Economic Viability
- Research and Demonstration

Forest Management Planning

 Provides cost-sharing to private forest landowners owning more than 10 acres



900+ Watershed Forest Management Plans have been completed representing more than 160,000 acres of forest land within the NYC Watershed.

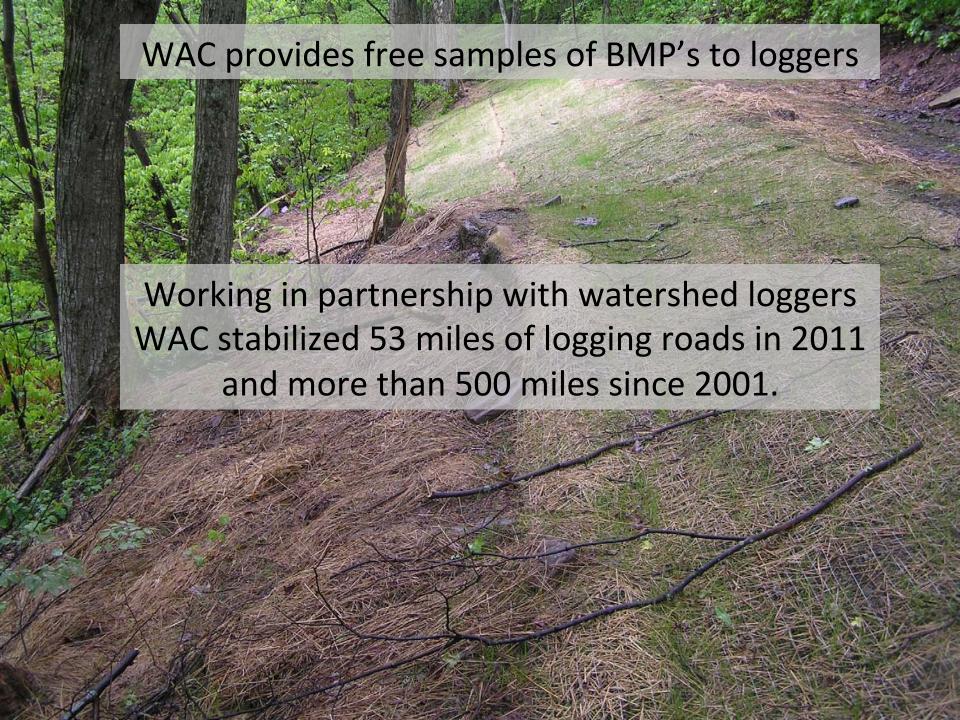
but wildlife, recreation, water quality and aesthetics.















Easement Program

- WAC Easement Portfolio 23,785 acres
- Purchased Easements 22,742 acres
- 123 Grantors (Easements)
- 7 Current Contracts/Approx. 1350 acres





Acquisition Program

- Acquires Conservation
 Easements on qualified
 Properties in the NYC Watershed
- Qualified Properties must have WFP through the Agricultural Program
- Average Easement Size:175 acres
- 2 years to acquire





Stewardship Program

- Monitors portfolio 23,785 acres; 159 properties
- Processes Request from Landowners:

Reserved Rights, Amendments, Notifications

- Enforces Violations/ Breach of Contract
- Stewardship of Agricultural Working Landscapes is unique



WAC/DEP Contract

- Current Contract:
 \$47 Million Capital
 Contract
- New Contract:
 \$29 Million Capital Contract
- Endowment:\$15 Million ExpenseContract





Farm to Market Program

- Improve the economic viability of farm and foodbased businesses
- Provide Education and Networking Opportunities
 - Workshops
 - Conferences
 - Farmer Education
 - Producer Groups



Farm to Market Program

- Strengthen relationships
 - Farmer to farmer
 - Farmer to buyer
 - Farmer to consumer
 - Program and collaborators
- Expand direct marketing of local products through appropriate channels and venues



- Web-based resource to connect new and existing farmers with inactive farmland in Catskills region
- Regional strength with local knowledge and resources
- Collaboration with other organizations and farmers to attract new growers to the region
- Currently 28 properties listed (many owned by DEP) with 1,611 acres available
- 2 "Links" made since launch
 - Migliorellia Farmstand, Mt.
 Tremper
 - Tuff-a-Nuff Farm, Bovina



www.catskillsfarmlink.org



Catskills CRAFT

- Web-based resource
- Connects new and existing farmers with other new, beginner and young farmers in the Catskills region
- Monthly farm tours and work parties
- Under the direction of Council's Farmhearts Fellow



BEGINNING FARMERS

- ON-FARM TRAINING
 - WORK PARTIES
- NETWORKING & SOCIAL EVENTS







For a full schedule of events visit

www.catskillscraft.org

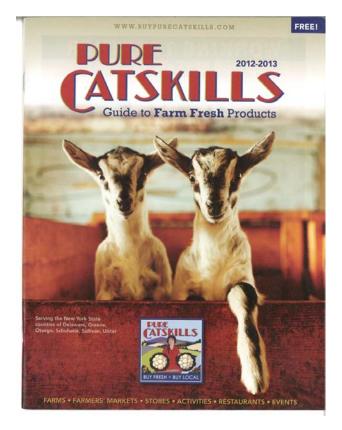
or email info@catskillscraft.org

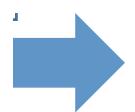
CATSKILLS CRAFT

COLLABORATIVE REGIONAL ALLIANCE FOR FARMER TRAINING

Pure Catskills Marketplace

Concept: A digital, interactive Pure Catskills Guide intended to improve the economic viability of farm and forest businesses







Pure Catskills Marketplace: Features



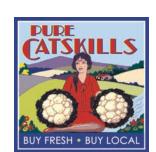
A Few of Our Partners











New York Logger Training











United States Department of AgricultureNatural Resources Conservation Service



















