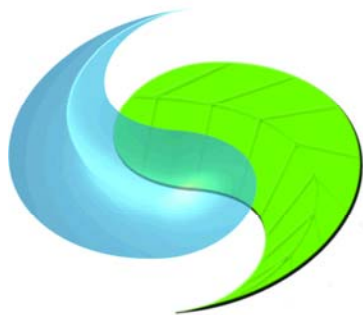


Sustainable Financing for Source Water Protection

Heather Himmelberger
Environmental Finance Center
NM Tech

<http://nmefc.nmt.edu>
heatherh@efc.nmt.edu
505-924-7028



NEW MEXICO
ENVIRONMENTAL
FINANCE CENTER

Source Water Protection Funding

- The Good
- The Bad
- The Ugly

First, the Good

- There are sources of funding
- Some are grant programs
- Source Water Protection is good for your water system, your community and public health protection, so its good to do whether there are outside sources or not

Now, the Bad

- Not a lot of funding sources specifically designed for source water
- Some are loans
- Funding is competitive
- Funding has to be matched to the specific source water activity, so eligibility of the project is always a question

Finally, the Ugly

- Generally, a source water protection program will have a variety of elements and will have to have a variety of funding sources to meet all the needs
- Makes for a much more complicated funding picture

Back to “the Good”



Show Me the Money



EPA's Guidebook of Financial Tools

Developed by: EPA, EFAB, EFC Network

<http://www.epa.gov/efinpage/guidebook.htm>

See
Handout

The screenshot shows a web browser window displaying the EPA's Guidebook of Financial Tools. The browser's address bar shows the URL <http://www.epa.gov/efinpage/guidebook.htm>. The page header includes the U.S. Environmental Protection Agency logo and the text "Center for Environmental Finance (CEF)". A search bar is present with the text "Search: All EPA only CEF" and a "Go" button. Below the search bar, the breadcrumb trail reads "You are here: EPA Home > Chief Financial Officer > Center for Environmental Finance > Guidebook".

Guidebook of Financial Tools: Paying for Sustainable Environmental Systems

This 2008 revision of the *Guidebook of Financial Tools* is a reference document for officials with environmental responsibilities. It is designed to assist all interested with finding the means of financing environmental protection initiatives that are appropriate for them.

- Over 300 financial tools that can be used to pay for environmental systems.
- Ten sections cover topics ranging from raising capital and enhancing credit to financing pollution prevention activities, community-based environmental protection, and brownfields redevelopment.
- New section "Tools for Accessing State and Local Financing," includes many state grant programs.

[2008 Guidebook of Financial Tools \(PDF\)](#) (223 pp., 2.6M, [About PDF](#))

An additional section is being developed and will focus on:

- International environmental financing tools including assistance provided by U.S. government organizations and supported international financial institutions such as EPA, Agency for International Development, Department of Energy, World Bank, and the Asian Development Bank, to name a few.
- Essential international environmental programs undertaken by the United Nations, selected foreign governments, and non-profit organizations will be included.

We intend to continue to undertake periodic updates of the *Guidebook* and ask that users send us comments and suggestions for new tools and changes and additions to those listed.

For comments, suggestions, and questions regarding the Guidebook, please contact the [EFIN Librarian](mailto:efin@epa.gov) (efin@epa.gov).

For assistance please contact the [EFIN Librarian](#).

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Monday, December 22nd, 2008.
<http://www.epa.gov/efinpage/guidebook.htm>
[Print As-Is](#)

The browser's taskbar at the bottom shows several open applications, including Spider, RE: Co..., The En..., Adobe..., Micro..., http://..., InterC..., Financi..., and Guideb... The system tray on the right shows the time as 3:54 PM.

EPA's Catalog of Assistance Web Site

<http://cfpub.epa.gov/fedfund/>

Catalog of Federal Funding Sources for Watershed Protection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address <http://cfpub.epa.gov/fedfund/> Go Links

U.S. Environmental Protection Agency

Watershed Academy

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) Search:

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Watersheds](#) > [Watershed Academy](#) > Federal Funding for Watershed Protection

Catalog of Federal Funding Sources for Watershed Protection

The Catalog of Federal Funding Sources for Watershed Protection Web site is a searchable database of financial assistance sources (grants, loans, cost-sharing) available to fund a variety of watershed protection projects. To select funding programs for particular requirements, use either of two searches below. One is based on subject matter criteria, and the other is based on words in the title of the funding program.

Criteria searches include the type of organization (e.g., non-profit groups, private landowner, state, business), type of assistance sought (grants or loans), and keywords (e.g., agriculture, wildlife habitat).

Searches result in a listing of programs by name. Click on each program name to review detailed information on the funding source.

****Printable Brochure...**
View or print out a [brochure](#) on the Catalog of Federal Funding Sources for Watershed Protection. (PDF, 435 KB)
[Many of the documents listed on this site are PDF files. Viewing a PDF file requires use of Adobe's free Acrobat Reader software. [EPA's PDF page](#) provides information on downloading the software.]

****More Funding Sources...**
[Other Funding Information](#)

1 Type of Assistance:
Grants
Loans

2 Eligible Organization:
Business
Clubs and Organizations

3 Match Required:
Yes
No

4 Keywords:

<input type="checkbox"/> Air Quality/Deposition	<input type="checkbox"/> Outreach/Education
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Partnerships
<input type="checkbox"/> Best Management Practices	<input type="checkbox"/> Point Source Control
<input type="checkbox"/> Coastal Waters	<input type="checkbox"/> Planning
<input type="checkbox"/> Drinking water	<input type="checkbox"/> Pollution Prevention

1

Type of Assistance:

Select All
Grants
Loans

2

Eligible Organization:

Indian Tribes
Irrigation and Drainage Districts
Local Government

3

Match Required:

Select All
Yes
No

4

Keywords:

- | | |
|---|---|
| <input type="checkbox"/> Air Quality/Deposition | <input checked="" type="checkbox"/> Outreach/Education |
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Partnerships |
| <input checked="" type="checkbox"/> Best Management Practices | <input checked="" type="checkbox"/> Point Source Control |
| <input type="checkbox"/> Coastal Waters | <input type="checkbox"/> Planning |
| <input checked="" type="checkbox"/> Drinking water | <input type="checkbox"/> Pollution Prevention |
| <input type="checkbox"/> Economic Development | <input type="checkbox"/> Research |
| <input type="checkbox"/> Enforcement/Compliance | <input type="checkbox"/> Restoration |
| <input type="checkbox"/> Fisheries | <input type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Floodplain/Riparian Zones | <input checked="" type="checkbox"/> Source Water Protection |
| <input type="checkbox"/> Forests | <input type="checkbox"/> Stormwater Management |
| <input checked="" type="checkbox"/> Ground Water | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Invasive Species | <input type="checkbox"/> Water Conservation |
| <input type="checkbox"/> Land Acquisition | <input checked="" type="checkbox"/> Watershed Management |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Wetlands |
| <input checked="" type="checkbox"/> Nonpoint Source Control | <input type="checkbox"/> Wildlife Habitat |

[If no keyword is selected, search will include all keywords]

Get Results In List Format

Get Results In Table Format

“Get Results in List Format”

Watershed Academy

[Recent Additions](#) | [Contact Us](#) | [Print Version](#)

Search:

GO

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Watersheds](#) > [Watershed Academy](#) > Federal Funding for Watershed Protection

Catalog of Federal Funding Sources for Watershed Protection

Number of funding programs matched: 3

Type of Assistance: All

Eligible Organization: Indian Tribes

Match Required: Any

Keywords: Nonpoint Source Control, Ground Water, Best Management Practices, Drinking water, Point Source Control, Watershed Management, Outreach/Education, Source Water Protection

[Pollution Prevention Grant Program](#)

[Source Reduction Assistance Grant Program](#)

[Wildlife Habitat Incentives Program](#)

[Wetlands, Oceans & Watersheds](#) | [Watershed Protection](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, April 2, 2009
URL: <http://cfpub.epa.gov/fedfund/search1.cfm>

“Get Results in Table Format”

Watershed Academy

[Recent Additions](#) | [Contact Us](#) | [Print Version](#)

Search: [GO](#)

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Watersheds](#) > [Watershed Academy](#) > Federal Funding for Watershed Protection

Catalog of Federal Funding Sources for Watershed Protection

Number of funding programs matched: 3

Type of Assistance: All

Eligible Organization: Indian Tribes

Match Required: Any

Keywords: Nonpoint Source Control, Ground Water, Best Management Practices, Drinking water, Point Source Control, Watershed Management, Outreach/Education, Source Water Protection

Program Name <i>(Click for further contact information)</i>	Overview	FY 2009 Funding Levels
Pollution Prevention Grant Program	This grant program provides project grants and cooperative agreements to states and tribes to implement pollution prevention projects. The grant program is focused on institutionalizing multimedia (air, water, land) pollution prevention as an environmental management priority, establishing prevention goals, providing direct technical assistance to businesses, conducting outreach, and collecting and analyzing data. The program includes new P2 measurement requirements in compliance with EPA policy, and requires applicants to work towards reducing pollution, conserving energy and water, and saving dollars through P2 efforts; as identified in EPA's Strategic Plan under Goal 5: Compliance and Environmental Stewardship: Objective 5.2: Improve Environmental Performance Through Pollution Prevention and Innovation.	\$4.1 million
Source Reduction Assistance Grant Program	To provide grants and cooperative agreements to fund pollution prevention (source reduction and resource conservation) activities. Specifically, the Agency is interested in funding projects that help reduce hazardous substances, pollutants, or contaminants entering waste streams or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment, disposal or energy recovery activities.	\$1.1 million
Wildlife Habitat Incentives Program	The Wildlife Habitat Incentives Program (WHIP) is a voluntary program for people who want to develop and improve wildlife habitat on private lands. It provides both technical assistance and cost sharing to help establish and improve fish and wildlife habitat. Participants work with USDA's Natural Resources Conservation Service to prepare a wildlife habitat development plan in consultation with a local conservation district. The plan describes the landowner's goals for improving wildlife habitat, includes a list of practices and a schedule for installing them, and details the steps necessary to maintain the habitat for the life of the agreement.	\$74 million

Two Aspects of Funding

- Capital Projects

- Capping an abandoned well
- New source
- Installing a fence
- Constructing a building to house a well
- Securing land to create a buffer around the well

- Ongoing Activities

- Working with farmers to reduce/change/eliminate use of pesticides or other agricultural products on lands in recharge zone
- Providing educational materials at schools
- Eliminating cattle grazing near well heads or in recharge zones

Funding Source Has to Match Type of Activity

Types of Funding

- Capital Projects

- Tribal Set Aside Grants from EPA Region 6
- IHS Funding
- Grants from State of Federal Governmental Agencies
- Stimulus Funding
- CWSRF or DWRLF

- Ongoing Activities

- Tribal Revenues
- User Rates
- Economic Development monies (i.e., money from business enterprises)
- Others???

Funding for Source Water
Protection Capital Projects can be
One-Time Funding

Funding Sources for Source Water
Protection Ongoing Activities
Needs to be **Sustainable**

Summary of Resources to Find Funding

- EPA's Guidebook of Financial Tools
- EPA's Catalog of Assistance Web Site
- EPA Tribal Drinking Water Section
- NM EFC
- NM Rural Water Association

A Moment About “the Bad”

- Funding Source Water Protection Projects will require a commitment of Tribal leadership
- The desire to protect source water – in order to prevent contamination from occurring in the future – will have to outweigh the negative aspects about the funding sources

Addressing “the Ugly”

- There are approaches that can be used to help you. One is EPA’s “Developing a Sustainable Finance Plan Approach”

US EPA <http://www.epa.gov/watertrain/sustainablefinance/> Google

Links Customizable Links DENR News Articles efc US EPA epaDir My Yahoo! n&O ncdrought ncgov dir oracle statutes unc dir unc mail connect my del.icio.us

Delicious Recently Bookmarked Renewable Energy Pu... WRON Visualisation ... ArdentSurface :: Fl... Radiant Floor Heati... TIB GMAP Dashboard SimplyMap CUPSS

File Edit View Fav

US EPA Sustainable Finance ... GA rates webinar - end...

Page Tools



Watershed Academy Web

Developing a Sustainable Finance Plan

[Academy Web Home](#) » [Module Home](#)

Introduction

[Next >>](#)

Many watershed organizations could increase their impact through long-term financial planning. In order to most effectively protect America's waters, watershed organizations must develop and implement strategies to obtain, diversify, and leverage sustainable sources of funding.



This training module is designed to help your watershed organization develop and implement a sustainable funding plan. This module:

- **Outlines the six key steps of fundraising plan development**
- **Introduces a diverse set of fundraising options**
- **Provides case studies of successful finance mechanisms**

Our hope is to give both established and new nonprofit watershed organizations a solid methodology for creating finance plans to ensure their own sustainability. This module is intended primarily for nonprofit watershed organizations. State or local governments should visit the [EPA Financing for Compliance Page](#).

We use case studies throughout the module to provide real examples of finance strategies employed by nonprofit watershed organizations throughout the country. The title of this module may suggest a template for creating a written funding plan. While a written plan is one outcome, we hope the process of developing the plan—as outlined in six steps—is of even greater value.

Although we recommend that the module be viewed in proper sequential order, members of established organizations may find it more useful to examine the table of contents and proceed according to their specific interests. To move between pages, use the "Next" link, and, when available, the "Back" link.

The "Module Home" link at the top of each page always returns to this page.

Table of Contents

Introduction

Do You Need a Funding Plan?

Introduction to the Six Steps

Step 1: Establish Priorities

- Organizational priorities tips & exercise

Step 2: Assess Capacity

- Capacity discussion questions
- Strengths, weaknesses, opportunities, & threats analysis

Step 3: Set Fundraising Goals

- Creating a budget
- Calculating a fundraising goal

Step 4: Identify Funding Sources

- Common Funding Sources

Step 5: Evaluate & Select Funding Sources

- Fundraising Environment
- Diversification
- Estimated Returns
- Sustainability
- Key Evaluation Questions

Step 6: Write & Implement Plan

- The Basics
- Timing
- Evaluating your fundraising efforts
- Next Steps

Final Quiz

Sample Finance Plans

List of Case Studies

References & Additional Resources

[Next >>](#)

www.epa.gov/watertrain/sustainablefinance/

The Plan Outlines 8 Steps

- Assemble a team
- Perform Needs Analysis
- Set Goals
- Develop a Technical Solution
- Rate Analysis
- Community Wide Analysis
- Financial Options
- Financial Plan

These steps were not specifically designed for Tribal Source Water Protection, but it is a good process and it can be modified to meet Tribal needs

Example 10 year financial plan

Project	Initial cost	O&M costs	O&M duration	Potential funding sources	Responsible party (ies)	Assisting party(ies)
Purchase or acquire land						
Educational and Outreach Activities to Schools and Community Members						
Promote farming without pesticides						
Construct stormwater diversions						
Close Abandoned Wells						
Improve septic systems						
Eliminate waste or chemical storage from recharge areas						
Install livestock fencing						

In Summary

- Source Water Protection Program Funding is more difficult than funding an infrastructure project for your water system
- Multiple sources may be required
- Eligibility of each project you wish to do under the source water protection plan needs to be determined
- Matching funds may be required
- Creativity in funding is strongly encouraged

Open Discussion

Questions??