



Smart Management for
Small Water Systems

Managing Energy at Your Small Drinking Water System – A Workshop Series for North Carolina Utilities

Workshop 1 – Tuesday, 11/29/16

Land-of-Sky Regional Council,
Asheville, NC

Facilitators – Dawn Nall (SW EFC)
and Carol Rosenfeld (UNC EFC)

This program is made possible under a
cooperative agreement with EPA.



UNC
ENVIRONMENTAL
FINANCE CENTER



Southwest
Environmental
Finance
Center



Environmental
Finance
Center
Syracuse University



About the Environmental Finance Center Network (EFCN)

The Environmental Finance Center Network (EFCN) is a university-based organization creating innovative solutions to the difficult how-to-pay issues of environmental protection and improvement. The EFCN works with the public and private sectors to promote sustainable environmental solutions while bolstering efforts to manage costs.

The Smart Management for Small Water Systems Program

This program is offered free of charge to all who are interested. The Project Team will conduct activities in every state, territory, and the Navajo Nation. All small drinking water systems are eligible to receive free training and technical assistance.

What We Offer

Individualized technical assistance, workshops, small group support, webinars, eLearning, online tools & resources



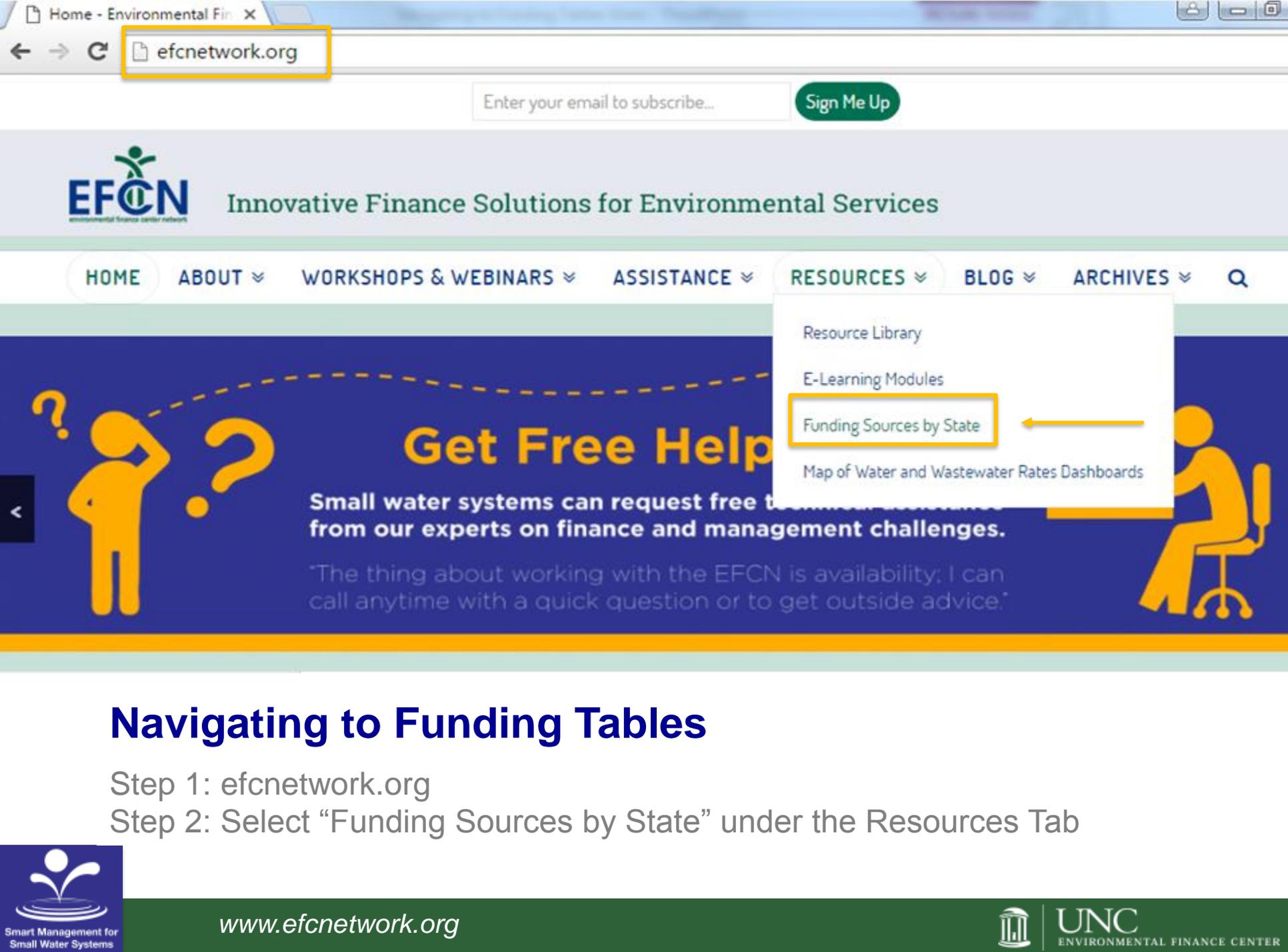
- **Environmental Finance Center at University of North Carolina at Chapel Hill**
- **Southwest Environmental Finance Center**
- **Syracuse University Environmental Finance Center**
- Environmental Finance Center at Wichita State University
- EFC West
- Environmental Finance Center at University of Louisville
- Great Lakes Environmental Finance Center at Cleveland State University
- New England Environmental Finance Center at University of Southern Maine
- American Water Works Association





Areas of Expertise

- Asset Management
- **Energy Management**
- Meeting Regulatory Compliance
- Fiscal Planning and Rate Setting
- Multi-funding Coordination
- Communications and Decision-making
- Water Loss Reduction
- Working with Other Water Systems
- Financing
- Funding Programs
- Managing Small Utilities in Drought



Navigating to Funding Tables

Step 1: efcnetwork.org

Step 2: Select "Funding Sources by State" under the Resources Tab

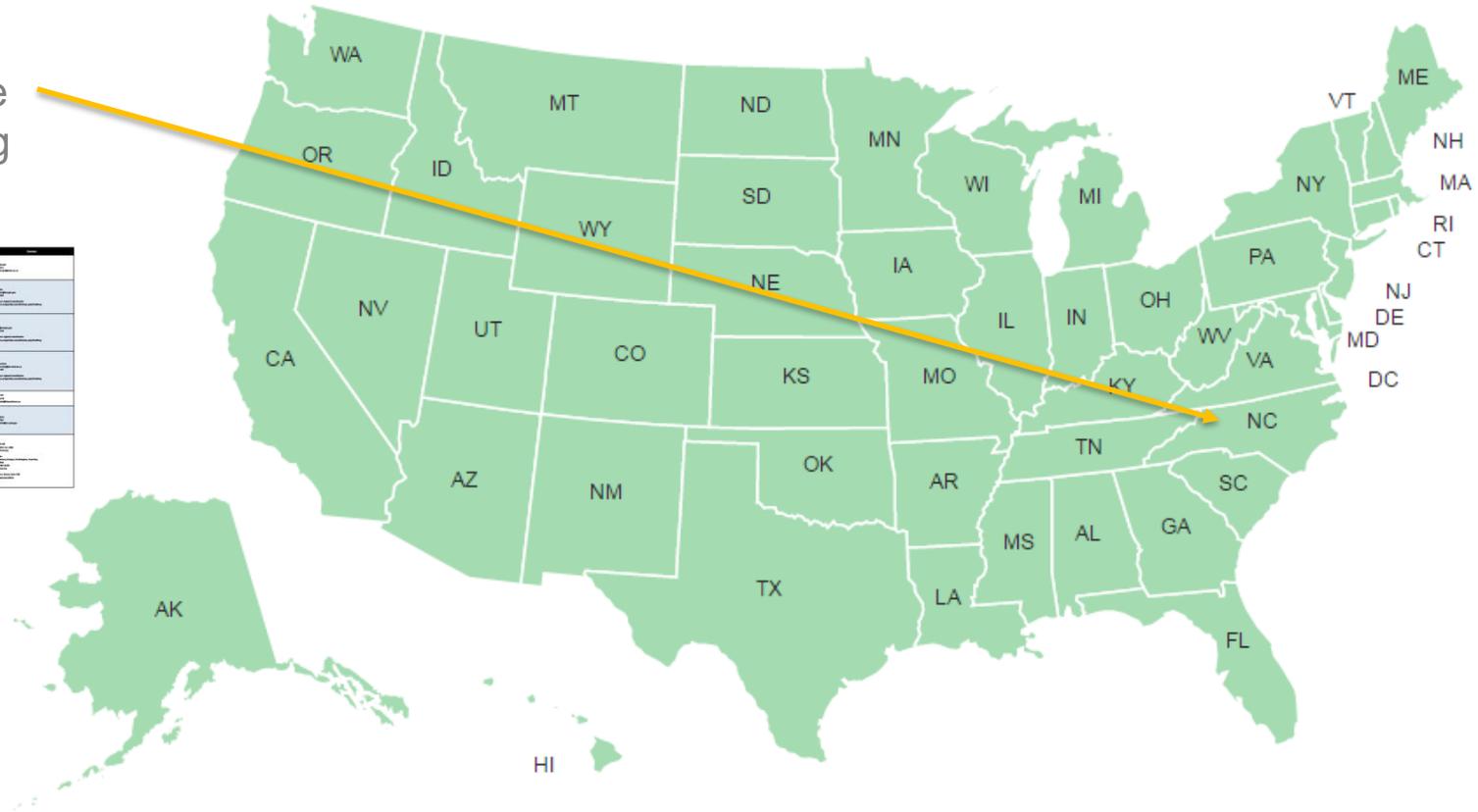
Funding Sources by State

Note: Some states may have additional resources listed below the map.

Click on the map below to view funding sources for each state:

Click on an individual state to view funding table.

State	Funding Source	Link
AK
AL
AR
AZ
CA
CO
CT
DC
DE
FL
GA
IA
IL
IN
KS
KY
LA
MA
MD
ME
MI
MN
MO
MS
MT
NC
ND
NH
NJ
NM
NV
NY
OH
OK
OR
PA
RI
SC
SD
TN
TX
UT
VA
VT
WA
WI
WV
WY





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UNC SCHOOL of GOVERNMENT

Dedicated to enhancing the ability of governments and other organizations to provide environmental programs and services in fair, effective, and financially sustainable ways through:

- Applied Research
- Teaching and Outreach
- Program Design and Evaluation



How you pay for it matters



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<http://efc.sog.unc.edu>

 @EFCatUNC



Energy Management Workshop Series

- In-depth workshops focused on building system-specific energy management plans
- Aim is to create a peer network
 - Workshop 1: Collecting data and getting started
 - Workshop 2: Prioritizing and funding projects
 - Workshop 3: Implementing, progressing, and special topics



Workshop 1 Agenda

Start Time	Topic
9:00	Welcome, Introductions, and Getting to Know Each Other
9:45	Why Are We Here? / High Impact Projects
10:30	<i>Break</i>
10:45	Introduction to Energy Management Steps (NYSERDA model)
11:15	Review of Your Energy Assessments
12:15	<i>Lunch (On Your Own)</i>
1:15	Understanding Your Water System's Energy Bill
2:00	Energy Management and Water Loss Reduction
2:45	<i>Break</i>
3:00	Developing and Comparing Your Baseline (with demo of Excel baseline tool)
3:45	Close-Out Discussion, Evaluations, and Assignments
4:00	<i>End Day</i>



Introductions

- Aqua of N.C., Inc. (Diamond Head water system)
- Beech Mountain, Town of
- Canton, Town of
- Marshall, Town of
- Mayodan, Town of
- North Wilkesboro, Town of
- Robbinsville, Town of
- Wilkesboro, Town of



Introductions

- Name
- Organization
- Role at organization
- Brief assessment of energy management at your utility; why are you here?



Activity

- Line up based on number of years that you've been in your current job
- Group yourselves by type of facility
- Line up based on your average monthly energy use