

Rainwater Harvesting State Regulations and Technical Resources

June 2019

SA Loper
CJ Anderson

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor Battelle Memorial Institute, nor any of their employees, makes **any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.** Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or Battelle Memorial Institute. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

PACIFIC NORTHWEST NATIONAL LABORATORY
operated by
BATTELLE
for the
UNITED STATES DEPARTMENT OF ENERGY
under Contract DE-AC05-76RL01830

Printed in the United States of America

Available to DOE and DOE contractors from the
Office of Scientific and Technical Information,
P.O. Box 62, Oak Ridge, TN 37831-0062;
ph: (865) 576-8401
fax: (865) 576-5728
email: reports@adonis.osti.gov

Available to the public from the National Technical Information Service
5301 Shawnee Rd., Alexandria, VA 22312
ph: (800) 553-NTIS (6847)
email: orders@ntis.gov <<https://www.ntis.gov/about>>
Online ordering: <http://www.ntis.gov>

Rainwater Harvesting State Regulations and Technical Resources

June 2019

SA Loper
CJ Anderson

Prepared for
the U.S. Department of Energy
under Contract DE-AC05-76RL01830

Pacific Northwest National Laboratory
Richland, Washington 99354

Summary

Pacific Northwest National Laboratory (PNNL) conducted in-depth research of state-level rainwater harvesting regulations for the Federal Energy Management Program (FEMP) to help federal agencies strategically identify locations conducive to rainwater harvesting projects. Currently, rainwater harvesting is not regulated by the federal government; instead it is up to individual states to regulate the collection and use of rainwater. There is no centralized information about state-level regulations on rainwater harvesting maintained by a federal agency or outside organization. To fill this information gap, PNNL performed detailed internet searches for each state, which included researching regulations associated with state agencies, universities, Cooperative Extension Offices, city governments, and related organizations.

The state-by-state information about rainwater harvesting regulations was compiled and assembled into an interactive map that is color coded by state regulations. The map provides a visual representation of the general types of rainwater harvesting policies across the country as well as general information about the state programs if applicable. The map allows the user to quickly discern where rainwater harvesting is supported and regulated by the state. This map was created in June 2015 and the data were updated in June 2019.

Contents

Summary	ii
Contents	iii
1.0 Introduction	1
2.0 Rainwater Harvesting Regulations.....	1
3.0 General References	4
Appendix A – State Rainwater Regulation Summary, Programs, and Resources.....	A.1

Figures

Figure 1. Overview of State Regulations on the Rainwater Harvesting Interactive Web Tool	3
Figure 2. Text Box Example from the Rainwater Harvesting Interactive Web Tool.....	3

1.0 Introduction

Rainwater harvesting may provide a key source of alternative water to federal facilities and offset the use of freshwater from surface and groundwater sources. Rainwater harvesting involves capturing, diverting, and storing rainwater from rooftops for later use. Uses for rainwater include landscape irrigation, ornamental pond and fountain filling, cooling tower make-up, and toilet and urinal flushing.

Rainwater harvesting is not currently regulated by the federal government and is therefore regulated by individual states. Pacific Northwest National Laboratory (PNNL) conducted in-depth research of state-level rainwater harvesting regulations for the Federal Energy Management Program (FEMP) to help federal agencies strategically identify locations conducive to rainwater harvesting projects. This white paper provides an overview of the research performed and the state-level results.

Prior to the analysis documented in this report, there was no centralized information about state-level regulations for rainwater harvesting maintained by a federal agency or outside organization. To fill this information gap, PNNL performed internet searches for each state, which included investigation of websites for state agencies, universities, Cooperative Extension Offices, city governments, and related organizations. Relevant information, including rainwater harvesting laws, regulations, policies, technical resources, incentive programs, was then pulled from each website. To ensure accuracy, the data were cross-referenced with several independent websites that offer limited summaries of legislation, incentive programs, and technical resources. (See the General References section for a list of sources that were used in the research.)

Rainwater harvesting regulations are described in the next section and Appendix A contains a summary of the state regulations, programs, and resources related to rainwater harvesting.

2.0 Overview of Rainwater Harvesting Regulations

One notable observation during this research effort was that state-level rainwater harvesting regulations and policies vary widely across states. Most states have no rainwater harvesting regulations, but many have policies or regulations in place that allow the collection and use of rainwater. Several states regulate rainwater harvesting and also provide specific incentives to encourage the collection of rainwater.

The research effort revealed additional interesting findings, such as:

- A number of states do not prohibit rainwater harvesting but do not have regulations protecting it. Some of these states have technical resources on rainwater harvesting to encourage the collection and use.
- Some states regulate the size of storage capacity.
- Several states address rainwater harvesting in plumbing codes.
- Generally, states that have rainwater harvesting regulations allow both commercial and residential applications.

- Local and county agencies regulate rainwater harvesting and may affect potential project development. This needs to be carefully considered, especially for a large commercial operation.

The state-by-state information about rainwater harvesting regulations was compiled and assembled into an interactive map that is color coded by state regulations (Figure 1). The map provides a visual representation of the general types of rainwater harvesting policies across the country as well as general information about the state programs, if applicable (Figure 2). It allows the user to quickly discern where rainwater harvesting is supported and regulated by the state. The information in the map is only for statewide regulations. Counties and cities across the United States may have specific regulations for rainwater harvesting. Agencies should contact local authorities when considering implementation of rainwater harvesting systems.

The map has six designations for state-level rainwater harvesting regulations:

1. **Very Limited:** The state has limited exemptions available for legal implementation of rainwater harvesting.
2. **No Regulations:** No regulations are in place prohibiting rainwater harvesting.
3. **No Regulations/Encouraged:** No regulations are in place prohibiting rainwater harvesting and state-specific rainwater harvesting technical resources are available, such as handbooks and guidelines on rainwater harvesting systems.
4. **State Regulations:** Regulations are in place allowing rainwater harvesting; however, no specific technical resources or incentives are provided.
5. **State Regulations/Encouraged:** Regulations are in place allowing rainwater harvesting and state-specific technical resources are available to encourage the collection and use of rainwater.
6. **State Regulations/Incentives:** Regulations are in place allowing rainwater harvesting, state incentive programs are in place, and state-specific technical resources are available.

The map also includes regulatory and technical information about each state where applicable, offering a “hover over” feature (Figure 2) that allows the user to click on states of interest to see:

- a summary of that state’s regulation
- website link(s) to the state organization’s regulatory programs that govern rainwater harvesting
- website link(s) to technical resources on state-specific rainwater harvesting.

Appendix A contains a detailed state-by-state list of this information.

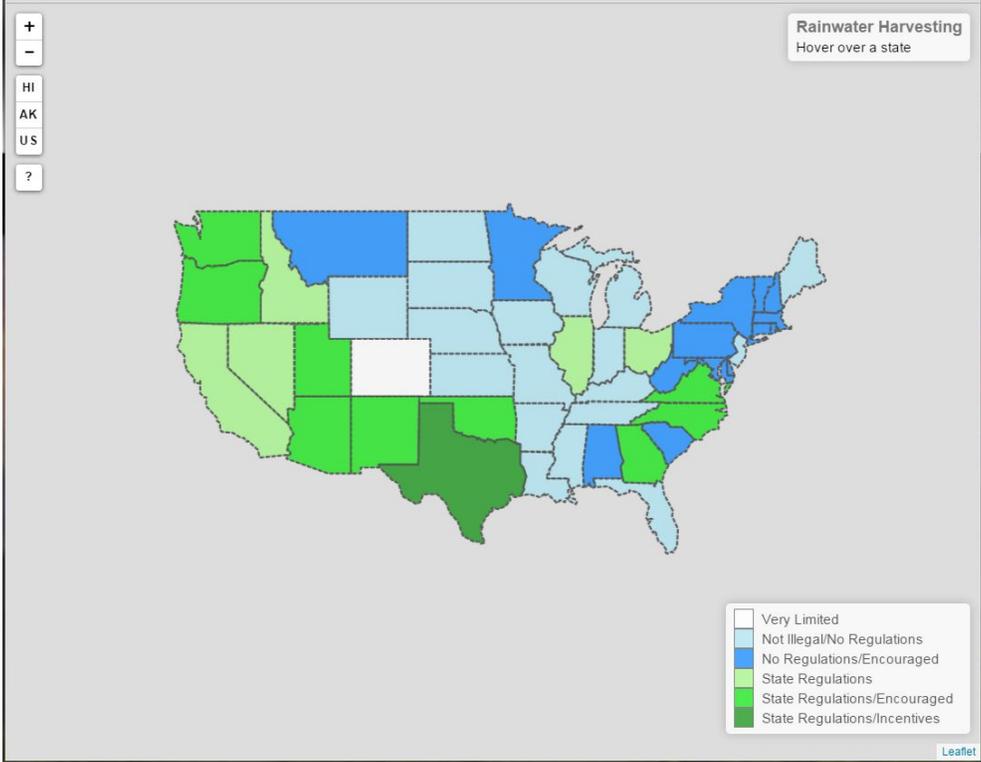


Figure 1. Overview of State Regulations on the Rainwater Harvesting Interactive Web Tool

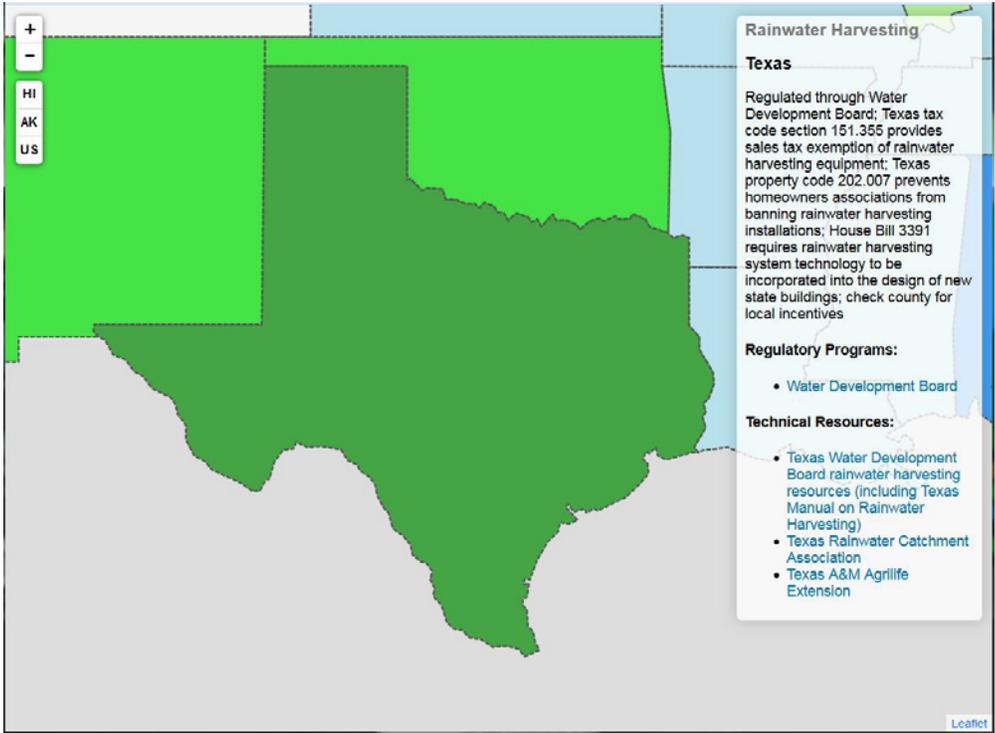


Figure 2. Text Box Example from the Rainwater Harvesting Interactive Web Tool

3.0 General References

The following websites are the general references used in conducting the state-by-state research on rainwater harvesting regulations and policies.

HarvestH2o website link regarding rainwater harvesting statutes and regulations:
http://www.harvesth2o.com/statues_regulations.shtml

HarvestH2o website link regarding rainwater harvesting incentives:
<http://www.harvesth2o.com/incentives.shtml#.VUZwmE0U-M8>

National Conference of State Legislatures state rainwater laws and legislation:
<http://www.ncsl.org/research/environment-and-natural-resources/rainwater-harvesting.aspx>

The American Rainwater Catchment Systems Association rainwater laws:
<http://www.arcsa.org/?page=273>

Rainwater Harvesting for Drylands and Beyond by Brad Lancaster, Financial Incentives and Resources: <http://www.harvestingrainwater.com/rainwater-harvesting-inforesources/water-harvesting-tax-credits/>

Environmental Protection Agency Rainwater Harvesting Conservation, Credit, Codes, and Cost Literature Review and Case Studies:
<http://water.epa.gov/polwaste/nps/upload/rainharvesting.pdf>

Managing Wet Weather with Green Infrastructure Municipal Handbook Rainwater Harvesting Policies:
http://water.epa.gov/infrastructure/greeninfrastructure/upload/gi_munichandbook_harvesting.pdf

Appendix A – State Rainwater Regulation Summary, Programs, and Resources

Table A.1 provides a summary of the state regulations for rainwater harvesting. These data are available in the interactive web tool map via a “hover over” feature. The user can select a state to see that state’s regulation summary along with state regulatory and technical resources for rainwater harvesting (see Table A.2).

Table A.1. State Regulation Summary

State	State Rainwater Harvesting Regulation Designation	Regulation Summary
Alabama	3	No rainwater harvesting regulations
Alaska	3	No rainwater harvesting regulations
Arizona	6	Regulated through the Department of Water Resources; city or town may provide money to fund rainwater harvesting systems; check county for local incentives
Arkansas	4	Regulated through the State Board of Health, which allows a system used for non-potable purposes, which complies with the Arkansas Plumbing Code and is designed by a professional engineer
California	6	Regulated through the Division of Water Rights, which includes specific system requirements and licensing criteria that landscapers must follow to install rainwater harvesting systems; check county for local incentives
Colorado	1	Law HB-1005 allows residential properties of a single house or multi-family residences with four units or less to collect rooftop rainwater up to 110 gallons for outdoor use only (landscape irrigation); in addition, residential properties that are supplied by a residential well can collect an unlimited amount of rainwater (roof collection only) for both indoor and outdoor uses; all other rainwater harvesting applications are not allowed under Colorado State law
Connecticut	3	No rainwater harvesting regulations
Delaware	3	No rainwater harvesting regulations
Florida	3	No rainwater harvesting regulations; check county for local incentives
Georgia	6	The Department of Natural Resources, Environmental Protection Division manages water resources; state plumbing code allows rainwater harvesting; check for local incentives
Hawaii	3	Harvesting rainwater is unregulated in Hawaii but the Department of Health does provide a list of actions to help make the water safe for domestic use

State	State Rainwater Harvesting Regulation Designation	Regulation Summary
Idaho	4	Allowed through a legal clarification made by the Office of the Attorney General
Illinois	4	Local government can regulate rainwater harvesting per state plumbing law; harvested rainwater can only be used for non-potable uses
Indiana	2	No statewide rainwater harvesting regulations; check county for local incentives
Iowa	3	No rainwater harvesting regulations
Kansas	2	No rainwater harvesting regulations
Kentucky	3	No rainwater harvesting regulations
Louisiana	2	No rainwater harvesting regulations
Maine	2	No rainwater harvesting regulations
Maryland	3	No statewide rainwater harvesting regulations; check county for local incentives
Massachusetts	3	No rainwater harvesting regulations
Michigan	2	No rainwater harvesting regulations
Minnesota	5	Regulated through the Minnesota Plumbing Board, which requires permitting and code compliance; check for local incentives
Mississippi	3	No rainwater harvesting regulations
Missouri	3	No rainwater harvesting regulations
Montana	3	No rainwater harvesting regulations
Nebraska	2	No rainwater harvesting regulations
Nevada	1	Residents are allowed to collect rainwater off of a single-family roof for non-potable domestic use
New Hampshire	3	No rainwater harvesting regulations
New Jersey	3	No rainwater harvesting regulations
New Mexico	6	Regulated through the State Engineer Office; no specific requirements exist for outdoor uses; indoor uses must meet quality standards; check county for local incentives
New York	3	No statewide rainwater harvesting regulations; check county for local incentives
North Carolina	6	Regulated through the Department of Environment and Natural Resources; allowed through the state's plumbing code; check county for local incentives
North Dakota	2	No rainwater harvesting regulations
Ohio	4	Regulated through the Department of Health and Environmental Protection Agency; codes in place include system sizing and materials
Oklahoma	4	Encouraged through state legislation: Water for 2060 Act
Oregon	4	Regulated through the Water Resources Department; check county for local incentives
Pennsylvania	3	No rainwater harvesting regulations

State	State Rainwater Harvesting Regulation Designation	Regulation Summary
Rhode Island	3	No rainwater harvesting regulations
South Carolina	3	No rainwater harvesting regulations
South Dakota	2	No rainwater harvesting regulations
Tennessee	3	No rainwater harvesting regulations
Texas	6	Regulated through Water Development Board; Texas tax code section 151.355 provides sales tax exemption of rainwater harvesting equipment; Texas property code 202.007 prevents homeowners associations from banning rainwater harvesting installations; House Bill 3391 requires rainwater harvesting system technology to be incorporated into the design of new state buildings; check county for local incentives
Utah	5	Regulated through the Division of Water Rights; maximum capacity 2,500 gallons; registration required depending on number of containers and storage capacity
Vermont	4	Regulated through the Department of Environmental Conservation – 2017 Vermont Stormwater Management Manual Rule
Virginia	5	Regulated through state legislature and state plumbing code; check county for local incentives
Washington	6	Regulated through the Department of Ecology; counties may reduce stormwater rates for buildings using rainwater harvesting; rainwater harvesting off of rooftops does not require a water permit: the Washington State Legislature requires that commercial buildings using rainwater catchment systems have the stormwater management fee reduced by 10%
West Virginia	3	No rainwater harvesting regulations
Wisconsin	2	No rainwater harvesting regulations
Wyoming	2	No rainwater harvesting regulations
Washington, D.C.	6	Regulated through plumbing code; rebates provided through the Department of Energy and Environment (see technical resources links provided below)

State Regulatory and Technical Resources

Table A.2 provides state regulatory and technical resources for rainwater harvesting. (The table includes a separate row for regulatory and technical information for each state.) These data are available in the interactive web tool map. User can select a state to see that state's regulation summary (see Table A.1) along with this information in a text box (see Figure 2).

Table A.2. State Regulatory and Technical Resources

State	Regulatory/ Technical Information	Information Identified	Websites
Alabama	Regulation	None found	
Alabama	Technical	A&M and Auburn University Cooperative Extension Office Rainwater Harvesting for Irrigation	https://www.aces.edu/blog/topics/awn-garden-urban/rainwater-harvesting-for-irrigation-water/
Alaska	Regulation	None found	
Alaska	Technical	Cold Climate Housing Research Center guidance on rainwater harvesting	http://www.cchrc.org/rainwater-catchment-systems
Arizona	Regulation	Arizona Legislation HB 2830	https://www.azleg.gov/legtext/50leg/2r/laws/0230.pdf
Arizona	Regulation	Arizona Legislation HB 2363	https://www.azleg.gov/FormatDocument.asp?inDoc=/legtext/50leg/2r/laws/0095.htm&Session_ID=107
Arizona	Technical	Arizona Department of Water Resources	https://new.azwater.gov/conservation/technologies
Arkansas	Regulation	State Board of Health	https://law.justia.com/codes/arkansas/2017/title-17/subtitle-2/chapter-38/subchapter-2/section-17-38-201/
Arkansas	Technical	None found	
California	Regulation	California Constitution, Water Code, Division 6, Part 2.4	https://leginfo.legislature.ca.gov/faces/codes_displayText.xhtml?lawCode=WAT&division=6.&title=&part=2.4.&chapter=&article=
California	Regulation	Legislation – AB-1750 Rainwater Capture Act of 2012	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201120120AB1750
California	Technical	City of Berkeley guidance on rainwater harvesting systems	http://www.ci.berkeley.ca.us/Planning_and_Development/Energy_and_Sustainable_Development/Rainwater_Harvesting.aspx
California	Technical	San Francisco Water Power Sewer rainwater harvesting information	http://sfwater.org/index.aspx?page=178
Colorado	Regulation	Colorado Division of Water Resources rainwater collection regulations and laws	http://water.state.co.us/SurfaceWater/RainwaterCollection/Pages/default.aspx

State	Regulatory/ Technical Information	Information Identified	Websites
Colorado	Regulation	Colorado Legal Resources Public Access (See TITLE 37. WATER AND IRRIGATION, then WATER CONSERVATION ARTICLE 96.5. ROOFTOP PRECIPITATION COLLECTION)	https://advance.lexis.com/container?config=0345494EJAA5ZjE0MDIyYy1kNzZkLTRkNzktYTkxMS04YmJhNjBINWUwYzYKAFBvZENhdGFsb2e4CaPI4cak6laXLCWylBO9&cid=d0c30639-5cad-4acf-b281-a2d6159f4283&prid=739b299d-b858-4708-9613-3742d39933a4
Colorado	Technical	Colorado State University Extension – Rainwater Collection in Colorado	http://extension.colostate.edu/topic-areas/natural-resources/rainwater-collection-colorado-6-707/
Connecticut	Regulation	None found	
Connecticut	Technical	Connecticut Stormwater Quality Manual (Chapter 4.4.4)	http://www.ct.gov/deep/cwp/view.aspx?a=2721&q=325704&deepNav_GID=1654#download
Delaware	Regulation	None found	
Delaware	Technical	University of Delaware Cooperative Extension Office guidance on rainwater harvesting/rain barrels	http://canr.udel.edu/udbg/events-education/sustainable-landscapes/hydrology/?hilite=%27harvesting%27%2C%27water%27
Florida	Regulation	None found	
Florida	Technical	Florida Water Star	https://floridawaterstar.com/technicalmanual/irrigation/rainwater.html
Georgia	Regulation	Income tax credit for water-efficient equipment including rainwater harvesting	https://law.justia.com/codes/georgia/2017/title-48/chapter-7/article-2/section-48-7-40.29/
Georgia	Regulation	Georgia programs for voluntary water conservation and enhancing water supply	https://advance.lexis.com/documentpage/?pdmfid=1000516&crd=c3125d3b-7e7f-4ba8-aa89-ec8849beb568&nodeid=AAMAAGAACAAF&nodepath=%2FROOT%2FAAM%2FAAMAAG%2FAAMAA GAAC%2FAAMAAGAACA AF&level=4&haschildren=&populated=false&title=%C2%A7+12-5-4.+Programs+for+voluntary+water+conservation+and+enhancing+water+supply&config=00JAA1MDBIYzczZi1YjFILTQxMTgtYWE3OS02YTgyOGM2NWJIMDYKAFBvZENhdGFsb2feed0oM9qoQOMCSJFX5qkd&pddocfullpath=%2Fshared%2Fdocument%2Fstatutes-legislation%2Furn%3AcontentItem%3A5VTJ-6DM0-004D-80BF-00008-00&ecomp=k5v8kkk&prid=1a260094-3c6d-454f-a4ba-26602c824216

State	Regulatory/ Technical Information	Information Identified	Websites
Georgia	Technical	Rainwater harvesting guidelines	https://www.dca.ga.gov/node/3643
Hawaii	Regulation	Department of Health, Safe Drinking Water Branch rainwater catchment regulations	http://health.hawaii.gov/sdwb/raincattachment/
Hawaii	Technical	Hawaii Rainwater Catchment Systems Program	http://www.ctahr.hawaii.edu/hawaii_rain/
Idaho	Regulation	Clarification letter from Office of the Attorney General	http://www.harvesth2o.com/adobe_files/Idaho_Ltr%20Sen%20Schroeder%20081108.pdf
Idaho	Technical	University of Idaho technical resources	http://webpages.uidaho.edu/larc380/new380/pages/harvestRoof.html
Illinois	Regulation	Plumbing-Rainwater Systems Bill SB0038	http://www.ilga.gov/legislation/BillsStatus.asp?DocTypeID=SB&DocNum=38&GAID=11&SessionID=84&LegID=54559
Illinois	Technical	City of Chicago Water Management – Sewer Construction and Stormwater Management Requirements (2016 Stormwater Manual and 2016 Stormwater Regulations)	https://www.chicago.gov/city/en/depts/water/provdrs/engineer/svcs/2009_sewer_constructionandstormwatermanagementrequirements.html
Indiana	Regulation	None found	
Indiana	Technical	None found	
Iowa	Regulation	None found	
Iowa	Technical	Iowa Stormwater Education Program (Rainwater Harvesting; Helpful Resources – Rainwater Harvesting Brochure)	https://iowastormwater.org/rainscaping/rainscapes/rainwater-harvesting/
Kansas	Regulation	Kansas Department of Agriculture Water Law Basics	https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-law-basics
Kansas	Technical	None found	
Kentucky	Regulation	None found	
Kentucky	Technical	None found	
Louisiana	Regulation	None found	
Louisiana	Technical	None found	
Maine	Regulation	None found	
Maine	Technical	None found	
Maryland	Regulation	None found	
Maryland	Technical	Maryland Green Registry guidance on water conservation and rainwater harvesting	http://mde.maryland.gov/marylandgreen/Pages/Water.aspx
Massachusetts	Regulation	Income Tax Credit – Water Conservation	https://malegislature.gov/Bills/191/H2632

State	Regulatory/ Technical Information	Information Identified	Websites
Massachusetts	Technical	Rainwater harvesting demonstration	http://www.mass.gov/eea/agencies/dcr/water-res-protection/ipswich-river-watershed/demonstration-5-rainwater-harvesting.html
Michigan	Regulation	None found	
Michigan	Technical	None found	
Minnesota	Regulation	Non-potable Rainwater Catchment Systems	https://www.revisor.mn.gov/rules/4714.1702/?keyword_type=all&keyword=rainwater
Minnesota	Technical	Minnesota Pollution Control Agency rainwater harvesting document	https://stormwater.pca.state.mn.us/index.php?title=Stormwater_and_rainwater_harvest_and_use/reuse
Mississippi	Regulation	None found	
Mississippi	Technical	Mississippi State University – Water Conservation in Your Landscape	http://extension.msstate.edu/publications/publications/water-conservation-your-landscape
Missouri	Regulation	None found	
Missouri	Technical	Missouri Botanical Garden – Rainscaping Guide	http://www.missouribotanicalgarden.org/sustainability/sustainability/sustainable-living/at-home/rainscaping-guide/rainwater-harvesting.aspx
Missouri	Technical	Rainwater Harvesting Manual for Southwest Missouri	https://watershedcommittee.org/wp-content/uploads/2013/06/Rainwater-Manual.pdf
Montana	Regulation	None found	
Montana	Technical	State technical resources on rainwater harvesting (search rainwater harvesting)	http://dnrc.mt.gov/divisions/water/drought-management#greywater
Nebraska	Regulation	None found	
Nebraska	Technical	University of Nebraska-Lincoln Cooperative Extension Office technical resources	https://droughtresources.unl.edu/harvest-the-rain
Nevada	Regulation	Nevada Revised Statute: Chapter 533.027 – Adjudication of Vested Water Rights	https://www.leg.state.nv.us/NRS/NRS-533.html
Nevada	Technical	University of Nevada Cooperative Extension: Nonpoint Education for Municipal Officials	http://www.unce.unr.edu/publications/files/nr/2009/fs0924.pdf
New Hampshire	Regulation	None found	
New Hampshire	Technical	State stormwater management manual information about rainwater barrels/cisterns (Volume 2; Chapter 4; page 46)	http://des.nh.gov/organization/divisions/water/stormwater/manual.htm

State	Regulatory/ Technical Information	Information Identified	Websites
New Hampshire	Technical	Metropolitan Council Stormwater Reuse Guide	https://metro council.org/Wastewater-Water/Planning/Water-Supply-Planning/Studies-Projects-Workgroups-%281%29/Completed-Studies-Projects/Stormwater-Reuse-Guide.aspx
New Jersey	Regulation	None found	
New Jersey	Technical	New Jersey Water Savers	http://njwatersavers.rutgers.edu/
New Mexico	Regulation	Office of the State Engineer guidance on rainwater harvesting	http://www.ose.state.nm.us/WUC/wuc_rainHarvesting.php
New Mexico	Technical	Roof-Reliant Landscaping	http://www.ose.state.nm.us/WUC/Roof-Reliant-Landscaping/Roof-Reliant-Landscaping.pdf
New York	Regulation	None found	
New York	Technical	Grow NYC technical resources	http://www.grownyc.org/openspace/rainwater-harvesting
New York	Technical	New York State Rainwater Harvesting Guide	http://efc.syr.edu/wp-content/uploads/2015/03/NYSRainwaterHarvestingGuideR.pdf
North Carolina	Regulation	North Carolina General Statute 143 (See Article 143-138: North Carolina State Building Code-Cistern)	https://www.ncleg.net/EnactedLegislation/Statutes/HTML/ByChapter/Chapter_143.html
North Carolina	Regulation	Session Law 2009-243	http://www.ncleg.net/sessions/2009/bills/house/pdf/h749v4.pdf
North Carolina	Technical	North Carolina Environmental Quality – Stormwater Design Manual (See C.7 - Rainwater Harvesting)	https://deq.nc.gov/sw-bmp-manual
North Carolina	Technical	Save Water NC	http://www.savewaternc.org/rainwaterharvest.php
North Carolina	Technical	Community Conservation Assistance Program	http://www.ncagr.gov/SWC/costshareprograms/CCAP/index.html
North Dakota	Regulation	None found	
North Dakota	Technical	None found	
Ohio	Regulation	Ohio Department of Health Private Water Systems Program	https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/private-water-systems-program/private-water-systems-program
Ohio	Regulation	Ohio Environmental Protection Agency (search rainwater harvesting)	http://www.epa.state.oh.us/
Ohio	Regulation	Rules for private water systems	http://codes.ohio.gov/orc/3701.344
Ohio	Technical	None found	

State	Regulatory/ Technical Information	Information Identified	Websites
Oklahoma	Regulation	Water for 2060 Act – HB 3055	http://www.oklegislature.gov/BillInfo.aspx?Bill=HB3055&Session=1200
Oklahoma	Regulation	Oklahoma Water Resources Board – Water for 2060	http://www.owrb.ok.gov/2060/
Oklahoma	Technical	Oklahoma Water Resources Center (search – rainwater harvesting)	http://water.okstate.edu/
Oklahoma	Technical	Oklahoma State University Cooperative Extension Office guidance on designing rainwater harvesting systems	http://pods.dasnr.okstate.edu/docushare/dsweb/Get/Document-8238/BAE-1757web.pdf
Oklahoma	Technical	Great Plains Low Impact Development	http://greatplainslid.org/lid-resources/rainwater-harvesting/
Oregon	Regulation	Water Resources Department (search rainwater harvesting)	http://www.oregon.gov/OWRD/pages/index.aspx
Oregon	Regulation	Oregon Plumbing Specialty Code (Chapter 16: Non-potable Rainwater Catchment Systems; Appendix K: Potable Rainwater Catchment Systems)	https://www.oregon.gov/bcd/codes-stand/Pages/plumbing.aspx
Oregon	Technical	Oregon Rainwater Harvesting Smart Guide	https://www.oregon.gov/bcd/Documents/brochures/3660.pdf
Pennsylvania	Regulation	None found	
Pennsylvania	Technical	Penn State Extension information on rainwater cisterns	http://extension.psu.edu/natural-resources/water/drinking-water/cisterns-and-springs/rainwater-cisterns-design-construction-and-water-treatment
Rhode Island	Regulation	None found	
Rhode Island	Technical	University of Rhode Island Stormwater Solutions	https://web.uri.edu/riss/
Rhode Island	Technical	State of Rhode Island – Tax Credit	http://webserver.rilin.state.ri.us/BillText12/HouseText12/H7070.htm
South Carolina	Regulation	None found	
South Carolina	Technical	Clemson University rainwater information	https://www.clemson.edu/cafls/research/sustainableag/pdfs/rainwater%20harvesting.pdf
South Carolina	Technical	National Estuarine Research Reserve report on low-impact development, guidance on rainwater harvesting (Chapter 4, Section 4.6)	http://www.northinlet.sc.edu/lid/
South Dakota	Regulation	None found	
South Dakota	Technical	None found	
Tennessee	Regulation	None found	

State	Regulatory/ Technical Information	Information Identified	Websites
Tennessee	Technical	Tennessee Permanent Stormwater Management and Design Guidance Manual (Chapter 5.4.10)	https://tnpermanentstormwater.org/manual.asp
Texas	Regulation	Water Development Board	http://www.twdb.texas.gov/innovativewater/rainwater/index.asp
Texas	Technical	Texas Water Development Board rainwater harvesting resources (including Texas Manual on Rainwater Harvesting)	https://www.twdb.texas.gov/innovativewater/rainwater/resources.asp
Texas	Technical	Texas A&M Agrilife Extension	http://rainwaterharvesting.tamu.edu/
Utah	Regulation	Utah State Legislature Title 73, Chapter 3, Section 1.5	https://le.utah.gov/xcode/Title73/Chapter3/73-3-S1.5.html
Utah	Regulation	Division of Water Rights rainwater harvesting registration	http://www.waterrights.utah.gov/forms/rainwater.asp
Utah	Technical	Utah State University Cooperative Extension Office information on rainwater harvesting in Utah	http://extension.usu.edu/waterquality/hm/urbanstormwater/rainwater-harvesting/
Vermont	Regulation	2017 Vermont Stormwater Management Manual Rule and Design Guidance (Section 4.3.9)	https://dec.vermont.gov/content/2017-vermont-stormwater-management-manual-rule
Vermont	Technical	See Vermont Regulation link	
Virginia	Regulation	Code of Virginia: Use of rainwater and reuse of gray water; regulations	https://law.lis.virginia.gov/vacode/title32.1/chapter6/section32.1-248.2/
Virginia	Regulation	Virginia Plumbing Code (Chapter 13 – Non-potable Systems)	https://codes.iccsafe.org/content/VPC2015/chapter-13-nonpotable-water-systems
Virginia	Technical	The Cabell Brand Center (Virginia Rainwater Harvesting Manual, 2nd Edition 2009)	https://www.cabellbrandcenter.org/publications
Virginia	Technical	Virginia Tech and Virginia State University Cooperative Extension Office technical resources. Search Publication and Resources for various documents on rainwater harvesting	http://pubs.ext.vt.edu/
Virginia	Technical	Virginia Rainwater Harvesting Manual	https://www.radford.edu/content/sustainability/home/resources/publications.html
Washington	Regulation	Department of Ecology guidance on rainwater collection	http://www.ecy.wa.gov/programs/wr/hq/rwh.html

State	Regulatory/ Technical Information	Information Identified	Websites
Washington	Regulation	Washington State Legislature	http://apps.leg.wa.gov/RCW/default.aspx?cite=36.89.080
Washington	Technical	King County information about rain barrels	http://www.kingcounty.gov/environment/stewardship/nw-yard-and-garden/rain-barrels.aspx
West Virginia	Regulation	None found	
West Virginia	Technical	State manual on stormwater quality guidance on rainwater harvesting (see Chapter 4.2.8)	http://www.dep.wv.gov/WWE/Programs/stormwater/MS4/Pages/StormwaterManagementDesignandGuidanceManual.aspx
Wisconsin	Regulation	None found	
Wisconsin	Technical	None found	
Wyoming	Regulation	None found	
Wyoming	Technical	None found	
Washington, DC	Regulation	District of Columbia Plumbing Code (Chapter 11 Storm Drainage)	https://codes.iccsafe.org/content/chapter/9082/
Washington, DC	Technical	District of Columbia Department of Energy and Environment (Section 3.3)	https://doee.dc.gov/node/620102

Pacific Northwest National Laboratory

902 Battelle Boulevard
P.O. Box 999
Richland, WA 99354
1-888-375-PNNL (7665)

www.pnnl.gov