



Analysis of the Use of Drinking Water State Revolving Fund Set-Asides:

Promoting System Sustainability



Federal Fiscal Year 2008

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I. Introduction

This analysis highlights activities financed by Drinking Water State Revolving Fund (DWSRF) capitalization grant set-asides to promote capacity development efforts. A national “one-year snapshot” for federal fiscal year (FFY) 2008 is provided, describing the four different set-asides and highlighting activities that states are pursuing to build system capacity. The body of this document includes specific examples of set-aside uses that states may find relevant to their own Capacity Development Programs. In reviewing this document, states and the 10 Environmental Protection Agency (EPA) regional offices will be exposed to a variety of effective and allowable uses of the DWSRF set-asides. These activities can be seen as potential “tools in the toolbox” that states may not have previously considered as a means to encourage system sustainability.

The analysis is based on three primary sources containing set-aside-related data: the DWSRF National Information Management System (DWNIMS); states’ DWSRF Intended Use Plans (IUPs); and states’ Capacity Development Reports to the Governor. All data used to identify trends and uses of set-asides in the body of this document have also been summarized by state in Appendix A.

Numerous examples of state-specific set-aside uses that were provided in the 2008 IUPs and latest triennial Capacity Development Reports to the Governor are cited in this analysis. However, the reader should recognize that many other states have comparable examples of such usages that may not have been included in these reports. Appendix A can serve as a reference for the reader to explore the various intended efforts of each state. It should be noted that this document is not a comprehensive report but rather a review of what state co-regulators deem to be an initiative to promote sustainable drinking water systems, supported by funds from the DWSRF set-asides during a one-year period. Further information can be obtained either by contacting state primacy agencies directly or by contacting the EPA DWSRF Coordinator in the appropriate Region (Appendix B).

History

Since the 1996 Amendments to the Safe Drinking Water Act (SDWA) were passed, EPA and its state partners have been enhancing established programs and implementing new ideas that promote technical, managerial, and financial (TMF) capacity in public water systems (PWSs). This programmatic approach, referred to as “capacity development” in general and formalized in each state’s Capacity Development Program, is utilized by all 50 states and Puerto Rico.

Based on 2008 Safe Drinking Water Information System (SDWIS) data, PWSs serving 10,000 or fewer customers represent over 97 percent of the nation’s PWSs. Small systems serve many populations, and can be categorized as community water systems (CWSs), non-transient non-community water systems (NTNCWSs), and transient non-community water systems (TNCWSs). While many small systems consistently provide safe, reliable drinking water to their customers, small systems face a number of challenges in assuring long-term TMF capacity. Overarching challenges that smaller systems face can include:

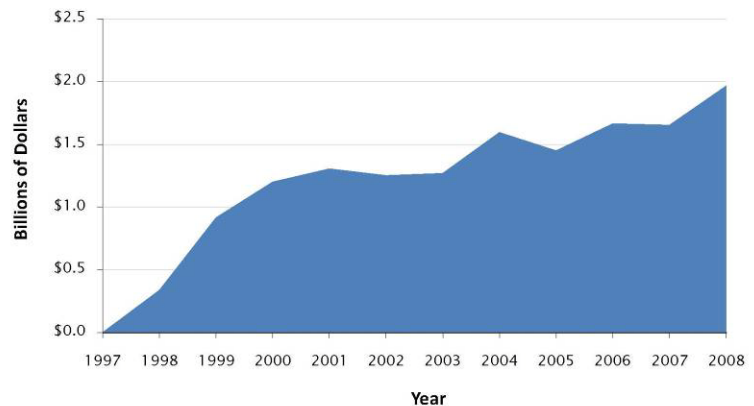
- Lack of financial resources driven by economies of scale.
- Ancillary ownership (i.e., water treatment and delivery is not the owner's primary function).
- Lack of a certified operator or poor staff retention.
- Need to upgrade or replace aging infrastructure with inadequate funds.
- Ability to maintain the quantity and quality of source water.
- Public's increasing demand for low utility costs.
- Establishment of enhanced and more protective regulatory requirements.

In recognition of the challenges facing smaller PWSs, Congress established several provisions of the 1996 SDWA Amendments including the implementation of Capacity Development

Programs. This provision places a significant emphasis on assisting CWSs and NTNCWSs of all sizes in acquiring and maintaining their TMF capacity. TMF capacity is the ability to plan for, achieve, and continually provide safe and affordable drinking water to customers.

As part of the 1996 SDWA Amendments, Congress established the DWSRF to provide states with a financing mechanism for drinking water projects and programs. Since July 1, 1996, states have used annual federal capitalization grant money to create revolving loan funds from which PWSs can borrow to finance infrastructure improvements (Exhibit 1). In addition to financing infrastructure through loans, states have the flexibility to set aside and award funds for targeted activities that can help states implement and expand their drinking water programs. The four DWSRF set-asides are:

Exhibit 1: Annual Assistance Provided Over the Life of the DWSRF



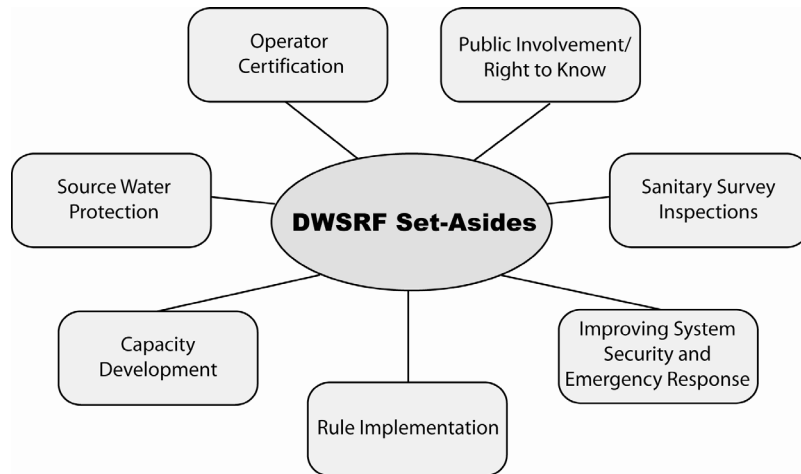
Source: DWNIMS, 2008

- Small System Technical Assistance (2%).
- Administrative and Technical Assistance (4%).
- State Program Management (10%) (which requires a 1:1 match from state funds).
- Local Assistance and Other State Programs (15%) (also called 1452(k) Activities).

Taken together, up to 31 percent of a state's DWSRF capitalization grant can be set aside for activities other than infrastructure construction. These set-asides enable states to improve water system operation and management, emphasizing institutional capacity as a means of achieving sustainable water system operations. However, the use of set-asides must be balanced with the need to fund infrastructure. States have a finite amount of federal funding to spend, and any dollars that are set aside by the state programs are not spent directly on construction projects and

may not contribute to the revolving funds. Each state decides how much money to spend bolstering institutional capacity and how much to spend repairing or replacing infrastructure. Because set-aside-funded programs cut across many state capacity development efforts, DWSRF set-asides can promote integration between various program components (Exhibit 2). This analysis examines the impact that a variety of set-aside programs funded by the states and Puerto Rico have on capacity development.

Exhibit 2: How DWSRF Set-Asides Promote Program Integration



Methodology and Report Structure

Data Sources

The following analysis is based on three primary sources containing set-aside data for FFY 2008: DWNIMS data, states' DWSRF IUPs, and states' Capacity Development Reports to the Governor. DWNIMS data is submitted annually and provides a record of progress and accountability for how DWSRF funds are spent. DWSRF IUPs are submitted by states annually as a condition of receiving the DWSRF capitalization grant. Reports to the Governor are submitted on a triennial basis and are another condition of receiving the DWSRF capitalization grant.

These three sources are different in scope and purpose and, as such, present discrepancies in examining each of the four set-asides. While DWNIMS data (which are compiled at a national level) provide an authoritative accounting of set-aside funding and utilization, they offer little context about set-aside spending on specific activities. State IUPs, on the other hand, provide greater detail on how states are planning to use their set-asides, but vary in the amount of information they provide because they lack a standardized format. As a result, descriptions of state activities funded by set-asides, as reported in IUPs and described in this document, should not be considered comprehensive accounts of all state activities.

Reports to the Governor provide additional qualitative information about state set-aside spending. However, there are a number of challenges in using these reports for this analysis.

Whereas DWNIMS and state IUPs provide specific information about funds from set-asides, the Reports to the Governor provide information about the state Capacity Development Program in general, often without specifying funding sources. Therefore, to complete Appendix A, it was necessary to assume that all capacity development activities were funded in part or entirely by set-asides unless the report explicitly stated that the activity was funded by some other source (e.g., fees). Because the specific set-aside used for each activity was not identified, best professional judgment was used to assign the most likely set-aside to each activity.

Report Structure

Section II of this report's analysis of DWSRF set-asides provides an overview of state set-aside uses and a description of common activities that can be funded by multiple set-asides, including specific state projects funded with that set-aside. Section III provides general examples of set-aside usage by states. Section IV concludes with a summary of state trends and potential uses of prospective set-aside funds. The appendices provide matrices on each state's set-aside-funded programs and a list of EPA Regional DWSRF contacts.

II. Common Activities that Can Be Funded through DWSRF Set-Asides

Overall State Set-Aside Use

According to 2008 DWNIMS annual data, all 50 states and Puerto Rico have taken the Administrative and Technical Assistance (4%) set-aside as well as the Local Assistance and State Programs (15%) set-aside. The 2008 DWNIMS annual data also show that the Small Systems Technical Assistance (2%) set-aside is nearing full participation, with 49 states and Puerto Rico taking these funds. Participation in the State Program Management (10%) set-aside, according to 2008 DWNIMS annual data, is lowest at 46 states and Puerto Rico. Several states in the past have indicated that they are unable to obtain the dollar-for-dollar matching funds that are required for this set-aside.

The cumulative amount set aside for all states within all four categories since the program's inception in 1996 through 2009 is \$1.6 billion. As of the end of FFY 2009, September 30, 2009, set-aside expenditures totaled slightly more than \$1.25 billion, with an unspent balance of approximately \$350 million. Set-asides can be reserved annually by the states but do not have to be expended by the end of the fiscal year in which they are taken.

Exhibit 3 presents cumulative set-aside award and utilization data for the four set-asides as of September 30, 2009. These data represent the use of set-aside funds by all participating states and Puerto Rico.

Exhibit 3: Cumulative Financial Data for DWSRF Set-Aside Funding and Utilization
(in Millions of Dollars)

DWSRF Set-Aside	Set-Aside Awards	Set-Aside Expenditures	Cumulative Set-Aside Balance
Small System Technical Assistance (2%)	\$163.3	\$130.2	\$33.1
Administrative and Technical Assistance (4%)	\$373.9	\$308.2	\$65.7
State Program Management (10%)	\$533.6	\$447.8	\$85.8
Local Assistance and Other State Programs (15%)	\$535.0	\$370.0	\$164.0
Total	\$1,605.8	\$1,256.2	\$349.6

Source: DWNIMS, 2009

The Four Set-Asides

Several common set-aside-funded activities can be financed through multiple set-asides. The following sections describe cross-cutting activities in order to reduce redundancy in this report and provide a more accurate picture of how states can administer DWSRF set-aside funds. The level of variability in how states use funds from the individual set-asides is an indicator of the inherent flexibility in using set-aside funds.

Each set-aside is tailored to specific programmatic outcomes; however, the activities conducted using each set-aside often overlap:

Small System Technical Assistance (2%)

The Small Systems Technical Assistance set-aside allows states to use up to 2 percent of the federal capitalization grant to provide technical assistance to CWSs serving 10,000 or fewer persons. All states and Puerto Rico, except Illinois, have taken advantage of this set-aside at some point in the life of the DWSRF. Activities paid for with these funds include project planning, circuit riders, and special small system training. As noted previously, smaller drinking water systems typically face greater challenges than larger systems; states use set-aside funds to provide technical assistance and training to help small systems build the capacity they need to comply with current and future drinking water rules. According to DWNIMS most states do not take full advantage of the amount available. DWNIMS data indicate that in 2008, more than \$11.6 million was awarded under the Small System Technical Assistance (2%) set-aside, providing essential funding to help small PWSs develop TMF capacity and maintain compliance.

Administrative and Technical Assistance (4%)

The Administrative and Technical Assistance set-aside allows states to use up to 4 percent of the capitalization grant for costs associated with administering state DWSRF programs and providing technical assistance to systems of all sizes. Every state has utilized some portion of its annual DWSRF allotment under the Administrative and Technical Assistance set-aside. Many states reserve this set-aside to cover a portion of the program administration costs; however, some utilize the flexibility of this set-aside to offer direct technical assistance to water systems in completing DWSRF loan applications, in various capacity development efforts, and in

developing outreach materials and reporting documentation. DWNIMS data indicate that approximately \$23.7 million was awarded to states in 2008 under the Administrative and Technical Assistance (4%) set-aside.

State Program Management (10%)

The State Program Management set-aside allows states to use up to 10 percent of their annual allotment to develop and implement Capacity Development and Operator Certification Programs, administer Source Water Protection Programs (which may include technical assistance to prevent contamination of sources), or fund a portion of their PWSS program. The state must match this set-aside with a 1:1 dollar match, an “in-kind” match, or a combination of the two. In 2008, 46 states and Puerto Rico were awarded nearly \$44.6 million under the State Program Management (10%) set-aside.

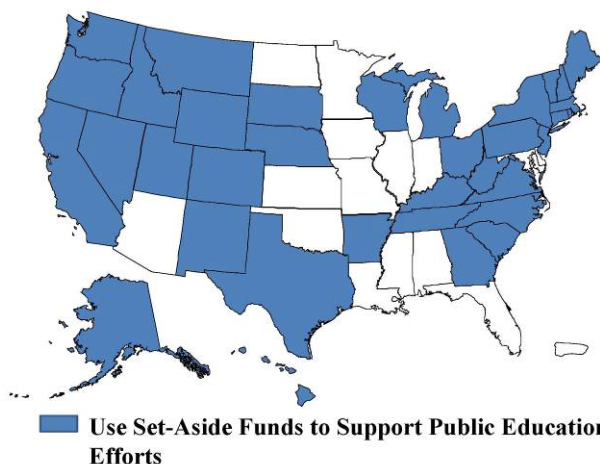
Local Assistance and Other State Programs (15%)

The Local Assistance and Other State Programs (15%) set-aside (also called 1452(k) Activities) allows states to use up to 15 percent of their annual allotments to assist in the development and implementation of local drinking water initiatives and other state programs. A maximum of 10 percent of funds set aside can be spent on any single effort, including, to provide loans to acquire land or conservation easements for protection of source waters; to provide loans for the implementation of voluntary, incentive-based source water quality protection measures; to provide PWSs direct technical or financial assistance as part of a Capacity Development Strategy; and to assist PWSs with wellhead protection. In 2008, states were awarded over \$45 million under the Local Assistance and Other State Programs (15%) set-aside.

Outreach and Training Fundable Under: 2%, 4%, 10%, and 15% Set-Asides

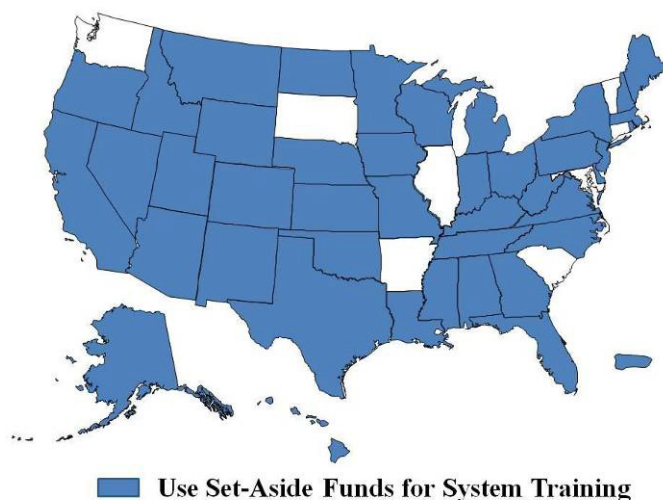
Outreach and training at the state level are key tools for improving water system capacity. Additionally, these efforts raise public awareness and offer a degree of transparency and insight into system operation and management. In the best-case scenarios, outreach and training increase system performance and consumer confidence, assuring high-quality drinking water from well-maintained, well-regulated suppliers. To this end, a majority of states are using DWSRF set-aside funds to support outreach and training activities including those for sanitary surveys as well as for compliance and board member trainings. Because these activities may fall under the umbrella of a variety of state programs, from Operator Certification to Source Water Protection, applicable funds are drawn from across the Small Systems Technical Assistance (2%), Administrative and Technical Assistance (4%), State Program Management (10%), and Local Assistance and Other State Programs (15%) set-asides. Outreach and training is especially important for small systems and can be provided by state personnel, universities, or contracted technical assistance providers. Many states contract with third-party assistance providers to assist in conducting on-site visits and trainings. Hawaii has used these set-asides to fund public assistance and Virginia has conducted application workshops.

Exhibit 4: Use of Set-Aside Funds to Support Public Education Efforts



DWSRF set-asides support public education efforts in 35 states (Exhibit 4). These include newsletters, Consumer Confidence Reports (CCRs), and public-access Web sites with drinking water program and system information. A number of state-specific source water and wellhead protection programs also use set-aside funds to promote public awareness and program objectives, including teacher training and community outreach.

Exhibit 5: Use of Set-Aside Funds for System Training

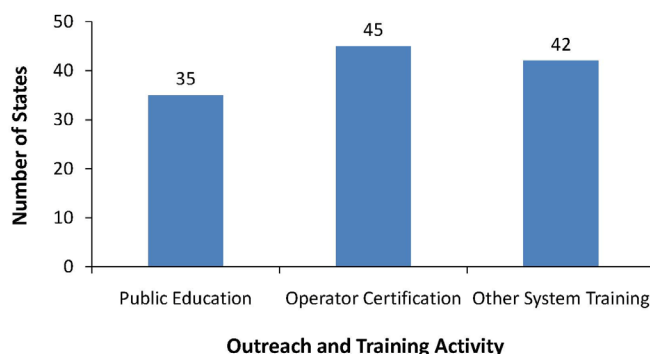


States also utilize set-aside funds to train PWS operators and managers on TMF capacity. Set-aside funds are used by 42 states and Puerto Rico to train system personnel and other stakeholders (Exhibit 5). Examples of such assistance include developing training modules about the regulatory requirements specific to certain water systems and providing Internet-based self-assessments for systems to identify ways to improve their operations and management. State trainings cover topics such as water loss prevention, compliance, public relations, financial management, and other topics relevant to maintaining effective system management.

States use a range of strategies to provide broad access to comprehensive Operator Certification and Training Programs, many of which incorporate contractual agreements for third-party trainers. Pennsylvania has used the Internet to create a platform for Web-based training sessions, and has also provided users access to lists of approved courses.

Exhibit 6 shows the number of states using DWSRF set-aside funds for drinking water outreach and training activities. Activities include those focused specifically on capacity development as well as general water system outreach and training.

Exhibit 6: Use of Set-Aside Funds for Outreach and Training Activities



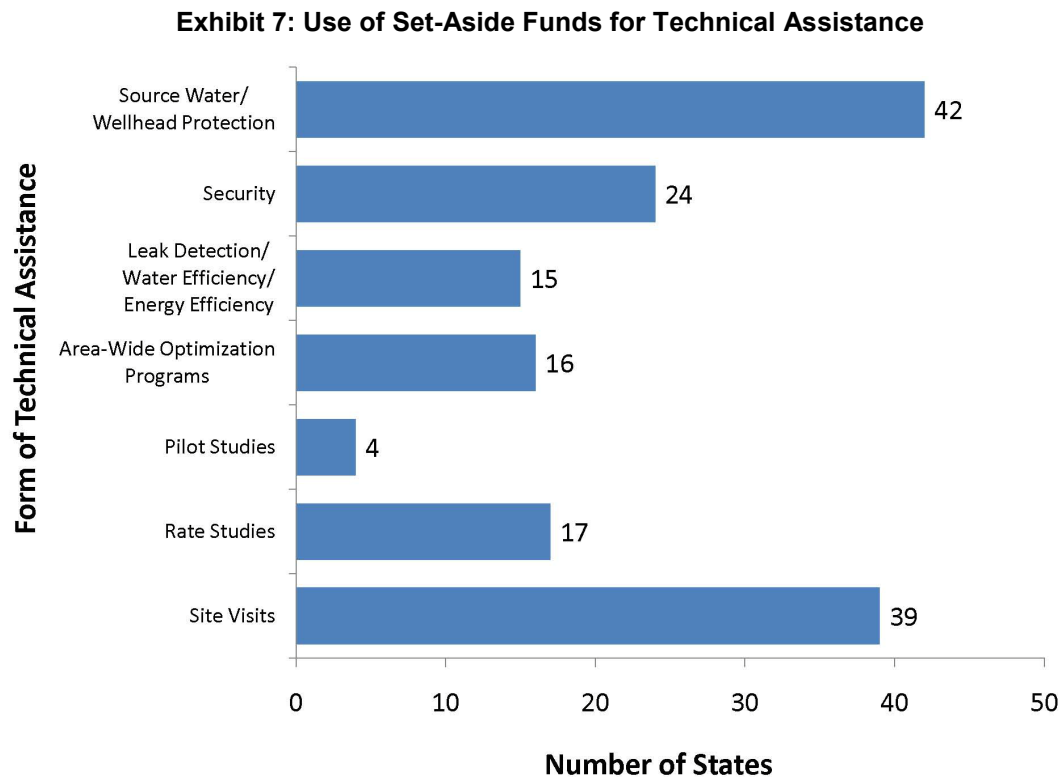
How States Are Using Set-Asides for Outreach and Training

- ❖ Many small PWSs in Louisiana are experiencing bacteriological maximum contaminant level (MCL) violations under the Total Coliform Rule. Louisiana reports using the Small System Technical Assistance (2%) set-aside to address the prevention of bacteriological MCL violations in two ways: (1) holding quarterly Safe Drinking Water Compliance Training Schools and (2) conducting on-site visits with the owners/operators of systems experiencing compliance problems.
- ❖ California reports using the State Program Management (10%) set-aside to fund third-party contractors who have personnel with specialized small water system expertise to assist small water systems in developing their TMF capacities. These third-party contractors present workshops throughout the state regarding TMF elements. In addition, the University of California-Davis plans to also provide a class directed toward small systems to help them overcome engineering challenges.
- ❖ Connecticut reports using the State Program Management (10%) set-aside to educate systems on financial assessment tools and on how to obtain revenue sources; to track, analyze and prepare reports concerning the status of all 84 PWSs serving over 1,000 persons that are required to submit water supply plans; to assist in the coordination of regional water supply forums; and to review interim conservation and development changes for the Connecticut Office of Policy and Management.

Technical Assistance for Small Systems Fundable Under: 2%, 4%, 10%, and 15% Set-Asides

Technical assistance to PWSs is integral to capacity development and provides a critical service to systems that are out of compliance. Such assistance is especially relevant for small systems (those serving fewer than 10,000 persons), many of which lack the TMF capacity to successfully address the challenges they face. Similar to outreach and training-related activities, technical assistance is provided in a wide variety of contexts, and states can draw from across the Small Systems Technical Assistance (2%), Administrative and Technical Assistance (4%), State Program Management (10%), and Local Assistance and Other State Programs (15%) set-asides to fund technical assistance initiatives.

Exhibit 7 summarizes the number of states that used DWSRF set-aside funds in FFY 2008 for technical assistance activities. For the purposes of this analysis, technical assistance consists of the following efforts.



- **42 states report using set-aside funds for source water/wellhead protection initiatives.**

IUP data show most states are pursuing source water/wellhead protection programs. The success of these initiatives depends on participation by PWSs statewide, many of which require technical assistance. Set-aside funds make it possible for states to assist smaller PWSs with source water and wellhead protection. Minnesota, for example, provides direct technical support to PWS owners to develop and implement surface water intake and wellhead protection plans. New Hampshire reports planning to provide 17 grants totaling \$191,044 for source water protection projects in 2008.

- **24 states report using set-aside funds for security-related efforts.**

Technical assistance to enhance security includes coordinating emergency planning and response activities and assistance in preparing Vulnerability Assessments (VAs) and Emergency Response Plans (ERPs). Nebraska reports planning to use \$345,000 from its Local Assistance and State Programs (15%) set-aside to provide funds to PWSs serving a population of 10,000 or less to improve the security of public water supplies. Funds can be used to install entry intrusion systems, hardened locks, fencing, and lighting.

- **15 states report using set-aside funds for leak detection/efficiency programs.**

Assisting PWSs with leak detection and water efficiency programs conserves water resources and can increase suppliers' fiscal health by reducing operating costs, avoiding water purchases, and postponing some capital improvement projects. A number of states are using set-aside funds to support leak detection and water efficiency programs. Examples include Massachusetts and New Hampshire, which offer local assistance grants for leak detection, and Virginia, which funds grants for leak detection programs that allow systems to upgrade waterlines.

- **16 states report using set-aside funds for Area-Wide Optimization Program (AWOP) activities.**

AWOP activities can help states target PWSs for assistance by identifying treatment processes, pumping systems, or other operations that are not efficient. By developing prioritization criteria and evaluating system performance, states can focus investment and capacity development efforts on the most critical at-risk systems, often generating substantial increases in public health protection at a lower cost. New Mexico reports using the State Program Management (10%) set-aside to fund a variety of activities associated with the state's AWOP implementation program such as planning development, data management, staff training, turbidity sample collection, and system ranking.

- **4 states report using set-aside funds for pilot studies.**

Pilot studies are useful in exploring options for improving PWS operation. For example, Delaware reports developing a new pilot project that provides scholarships to operators. The state plans to provide funding for five applicants to attend baseline instruction, two endorsement courses, and 10 one-day seminars.

- **17 states report using set-aside funds to conduct rate studies.**

Rate studies allow PWSs to determine if their rates are sufficient to cover costs of current and projected demands associated with collecting, storing, treating, and distributing a safe drinking water supply while also funding long-term capital improvements, level of service goals, debt obligations, and encouraging future efforts to address water conservation and establish a reserves account. Rate studies are particularly valuable in the context of managerial and financial capacity by identifying revenues to manage and maintain utility assets. Rate studies can also be used to compare water rates across user categories such as residences and commercial entities to determine appropriate rate structures.

- **39 states report using set-aside funds to support site visits, many through circuit riders.**

Site visits by qualified water system technical assistance providers form the mainstay of technical assistance in many states, particularly for small, rural PWS operators who do not have the experience, equipment, training, or personnel to manage large or persistent problems. Site visits provide an opportunity for a hands-on, face-to-face exchange between operators and experts. They can help remedy technical difficulties or address non-compliance

problems, and many states structure site visits to provide managerial and financial guidance as part of their capacity development strategies.

Circuit riders offer states a cost-effective means of meeting demand for on-site technical and managerial assistance and training to water systems for water treatment issues, sampling and testing, equipment repair, valve exercising, hydrant flushing, and flow testing. Other assistance includes leak detection, rate reviews, loan and grant applications, and other managerial activities. Many states contract with national and state affiliates of the Rural Water Association (RWA), Rural Community Assistance Partnership (RCAP), and similar groups to ensure adequate circuit rider coverage.

How States are using Set-Asides for Technical Assistance for Capacity Development

- ❖ Maine reports using the Small System Technical Assistance (2%) set-aside to pay for two Water Quality Specialist circuit riders through the Maine RWA. Maine RWA submits an annual summary report reviewing the assistance activities that were performed.
- ❖ South Dakota reports using the Small System Technical Assistance (2%) set-aside to provide grants for systems implementing a rate analysis using Rate Maker software. This set-aside also provided funding for the South Dakota RWA to provide on-site assistance, including rate analyses, to assist small systems in evaluating their TMF capacities.
- ❖ Massachusetts reports using the Administrative and Technical Assistance (4%) set-aside to administer Leak Detection and Water Conservation Capacity grants that were funded with the Local Assistance and Other State Programs (15%) set-aside, and to coordinate with the Massachusetts Water Pollution Abatement Trust.
- ❖ New York reports using the State Program Management (10%) set-aside to perform security inspections at drinking water systems.
- ❖ Texas reports using the Administrative and Technical Assistance (4%) set-aside to fund technical assistance, including assistance regarding water conservation and ground water quality data. The state provided public service announcements, published printed reports, and released electronic data.
- ❖ Arizona reports using \$650,000 of the Local Assistance and Other State Programs (15%) set-aside for technical assistance to small systems (\$500,000) and operational technical assistance (\$150,000). Funding is used to organize meetings of the Rural Water Infrastructure Committee (RWIC) in rural areas of Arizona to allow small systems access to expertise on a wide range of subjects. The RWIC Web site is maintained to allow small systems to submit a summary of their needs and the RWIC committee members respond to the system if they have a program that will address their need.
- ❖ Nebraska reports using the Local Assistance and Other State Programs (15%) set-aside to fund preliminary engineering reports for systems serving 10,000 or fewer customers. These planning grants are used by systems that intend to have a future water improvement project financed with federal or state funds. The planning grant can fund up to 90 percent of the cost of the preliminary engineering report.

- ❖ Nevada reports using funds from the Local Assistance and Other State Programs (15%) set-aside to provide technical assistance to enhance TMF capacity by providing financial management training to operators and other stakeholders, and assisting water systems with evaluating and implementing asset management. Nevada's efforts also include a quarterly publication ("Water Lines"), which provides a variety of TMF information for operators and owners of PWSs.
- ❖ Ohio reports using the Small System Technical Assistance (2%) monies to fund a distinct technical assistance program called the Small System Technical Assistance Program.
- ❖ Vermont reports planning to spend approximately \$50,000 from the Local Assistance and Other State Programs (15%) set-aside to finance a multi-year water conservation pilot project for an existing mobile home park. Installation of a new source meter to determine baseline water usage is planned and plumbing fixtures within the mobile homes will be replaced with WaterSense approved fixtures so that water use can be monitored. The goal of the project is to confirm that up to 20 percent reduction in water use is achievable without sacrificing fixture performance.

How States are using Set-Asides for Source Water and Wellhead Protection

- ❖ Georgia reports using the State Program Management (10%) set-aside to perform multimedia education and technical assistance to PWS operators and local government officials about the importance of implementing protection of source water. Georgia is also developing a series of GIS maps of drinking water intake locations for use in notifying downstream water systems of major spills.
- ❖ Colorado reports using \$724,850 of the Local Assistance and Other State Programs (15%) set-aside to support their Wellhead Program. These funds support implementation of the following activities:
 - Completion of revised ground water susceptibility assessments.
 - Completion of new ground water/source water delineations.
 - Development and implementation of ground water protection plans.
 - PWS data improvement.
 - PWS community information and education.
 - Compilation and reporting of the national source water protection measures to EPA.
- ❖ New Mexico reports using a portion of the Local Assistance and Other State Programs (15%) set-aside to fund the preparation of five source water protection plans for water systems that did not previously have plans as well as to evaluate ground water sources that are suspected of being under the influence of surface water to determine if there is potential for contamination.

- ❖ North Carolina reports using the Local Assistance and Other State Programs (15%) set-aside to provide \$1,483,270 in loans for land acquisition and conservation through the Local Assistance and Other State Programs (15%) set-aside. The City of Creedmoor received a loan to acquire a 236-acre tract with more than two miles of forested and riparian buffers along high-quality streams as a conservation easement.

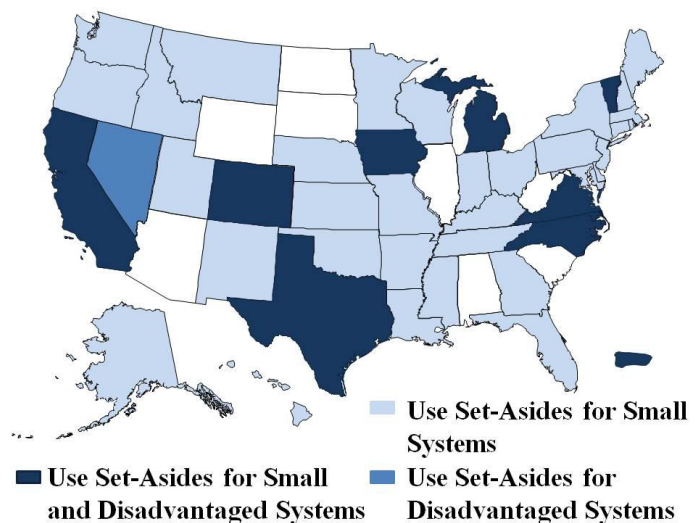
Technical Assistance for Disadvantaged Communities Under: 2%, 4%, 10%, and 15% Set-Asides

While disadvantaged PWSs are not always small, they are similarly at-risk in terms of maintaining compliance and ensuring the continued delivery of high-quality drinking water. As additional regulations take effect and the number of requirements systems must meet increases, it is important that states provide these systems with targeted assistance. Disadvantaged communities benefit from concerted state support and are able to receive longer loan terms, lower interest rates, and/or principal forgiveness under the DWSRF if their state has an established Disadvantaged Communities Program. Disadvantaged Communities are designated by SDWA as PWS service areas that meet affordability criteria established by their state (section 1452(d)(3)). Many states use consumer data, such as median household income, to define a system as disadvantaged.

Nine states and Puerto Rico are using set-aside funding for targeted technical assistance to disadvantaged systems (Exhibit 8). Much of the assistance provided to these systems is delivered as part of a capacity development strategy or in the context of broader technical assistance activities. Technical assistance for disadvantaged PWSs can occur in many forms, and site visits are particularly important for those systems that might not have the ability to travel to training sessions.

In some cases, set-asides are used for upfront planning prior to the system's receipt of a loan. For instance, Michigan used set-aside monies to help disadvantaged systems with project planning costs. In addition to receiving targeted assistance through the DWSRF set-asides, the infrastructure needs of disadvantaged systems are often prioritized through the loan application review and project ranking processes.

Exhibit 8: Use of Set-Aside Funds for Targeted Assistance for Small and Disadvantaged Systems



How States are using Set-Asides for Disadvantaged Communities

- ❖ California reports using the State Program Management (10%) set-aside for inspections and surveys of water systems to evaluate treatment and infrastructure improvement needs with

In some cases, the long-term sustainability of a PWS will depend on a restructuring effort such as a partnership or consolidation. Partnerships can include informal cooperation, contractual assistance, a Joint Powers Agency, or an ownership transfer. These measures are intended to help systems achieve and maintain TMF capacity. These efforts also reflect a trend towards regionalization. Regionalization—the integration of otherwise disparate PWSs across a larger geographic area—is predicated on the economies of scale enjoyed by larger systems. These systems typically possess superior TMF resources, making them better equipped to maintain compliance and sustain long-term public health protection.

Exhibit 9: Use of Set-Aside Funds for Consolidation and Restructuring Efforts



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- 14

including financial assistance and encouragement for consolidation, collaboration, or regionalization, where appropriate.

- ❖ North Carolina reports using the State Program Management (10%) set-aside to begin implementing a Disadvantaged Communities Program to focus on consolidating or eliminating systems lacking capacity.

State Drinking Water Program Administration Fundable Under: 4% and 10% Set-Asides

Support of state capacity development programs is a critical use of set-asides. Capacity development underlies each state's effort to ensure an adequate, long-term supply of safe drinking water. By investing in the TMF capabilities of a state's drinking water program, set-aside funds can be used to improve system performance, safety, and reliability. In total, 47 states and Puerto Rico report using set-aside funds to directly implement or manage the administration of their Capacity Development Program (Exhibit 10).

States use DWSRF set-asides to fund a number of specific efforts tied to capacity development, including inspections, enforcement, sanitary surveys, and data management. According to state IUPs and Reports to the Governor, most states are using the Administrative and Technical Assistance (4%) and the State Program Management (10%) set-asides to fund these tasks.

In addition to Capacity Development program administration, many states are using the set-asides to supplement funding towards the management of their primacy agencies, including DWSRF administration. For example, states are able to apply funds from the State Program Management (10%) set-aside to hire staff. Based on their IUPs and Reports to the Governor, 27 states are drawing from the State Program Management (10%) set-aside to support program or technical staff for management purposes (Exhibit 11).

Exhibit 10: Use of Set-Aside Funds for the Implementation/Management of a Capacity Development Program

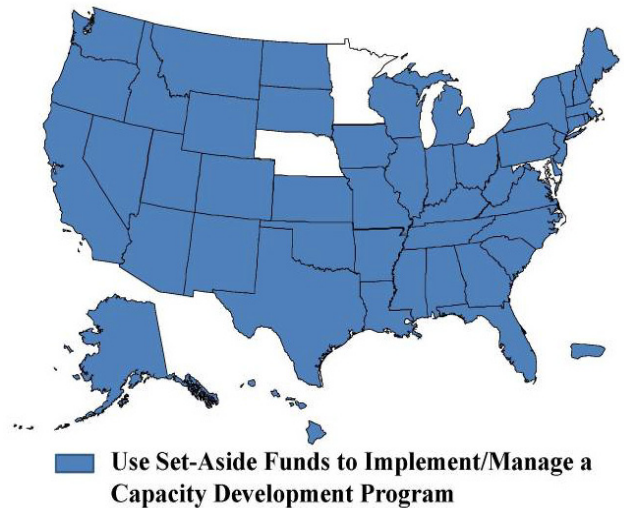
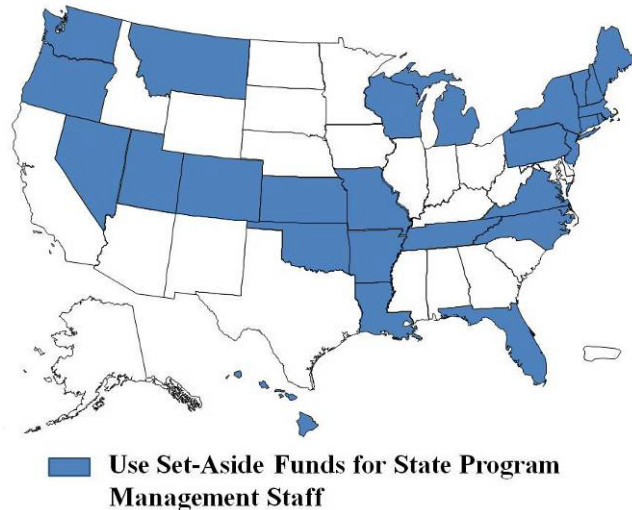


Exhibit 11: Use of Set-Aside Funds for State Program Management Staff



Additional details on the uses of set-aside funds are provided below:

- **28 states report using set-aside funds to support drinking water-related inspections.**

These include annual PWS inspections, construction inspections, complaint and water quality alert investigations, small system inspections, capacity development reviews, and compliance inspections.

- **26 states report using set-aside funds to support enforcement efforts.**

These include general PWSS enforcement and enforcement of operator certification requirements.

- **41 states report using set-aside funds to support sanitary survey processes.**

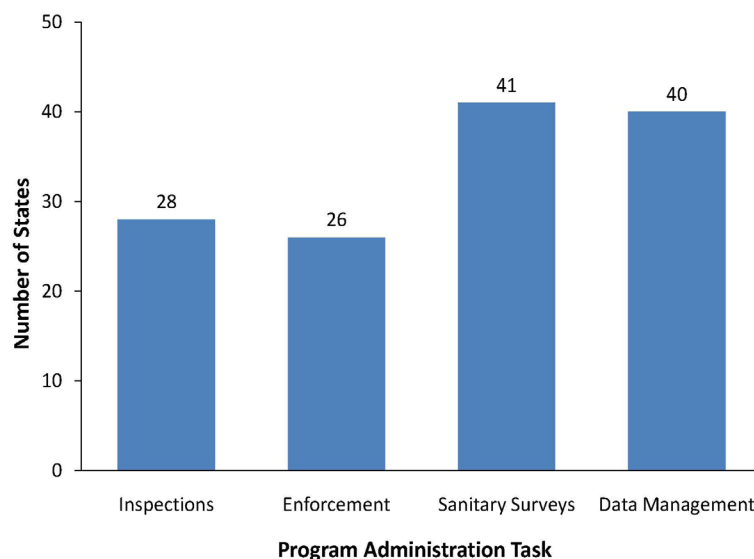
These include training for survey completion and use of surveys as an opening for capacity development initiatives, and small system assistance programs.

- **40 states report using set-aside funds to support data management activities.**

These include maintaining and updating SDWIS/State and program-specific (e.g., wellhead protection) databases, migration to electronic recordkeeping, integration of personal digital assistant (PDA)/handheld technologies, implementing Web-based access, expansion of geographic information system (GIS) capabilities, and software and hardware upgrades.

Exhibit 12 illustrates the number of states using DWSRF set-aside funds to support the program administration tasks presented above.

Exhibit 12: Prevalence of Set-Aside-Funded Program Administration Tasks



How States Are Using Set-Asides for DWSRF State Program Administration

- ❖ Many states like Virginia and Vermont report using the Administrative and Technical Assistance (4%) set-aside to fund staff positions critical to the administration of the program. These staff members review applications, provide application workshops, perform environmental reviews, and ensure that state and federal guidelines are followed.
- ❖ California reports using the Administrative and Technical Assistance (4%) set-aside to fund a financial support team. The senior accounting officer and the accounting technician process loan claims payments, track set-aside accounts, and manage the billing of interest and principal to assistance recipients.
- ❖ Hawaii reports using the Administrative and Technical Assistance (4%) set-aside for many tasks, including DWSRF program review, financial, managerial, and legal consultation, public assistance, data management, environmental review, review of plans and specifications, project inspections, and staff training.
- ❖ North Carolina reports using the Administrative and Technical Assistance (4%) set-aside to provide technical assistance to small water systems completing DWSRF applications and meeting other drinking water program priorities, including capacity development implementation, legislation and rule-making, and the Drinking Water Infrastructure Needs Survey and Assessment (DWINSA).

How States Are Using Set-Asides for Capacity Development Program Administration

- ❖ Alaska reports using the Administrative and Technical Assistance (4%) set-aside to assist systems in capacity reviews and performing project audits.
- ❖ Texas reports using the Administrative and Technical Assistance (4%) set-aside for approval of engineering plans and contract documents, review of bid documents and federal cross-cutters, monitoring of construction progress, and drafting engineering-related project close-out documents. Texas reports using the State Program Management (10%) set-aside to fund contractors that conduct capacity assessments and provide capacity assistance to water systems, including prioritized PWSs, applicants for DWSRF funding, candidates for consolidation, and other systems as directed by the Texas Commission on Environmental Quality.
- ❖ Florida reports using the State Program Management (10%) set-aside to train inspectors to conduct sanitary surveys. Also, an Oracle database is maintained and modified to track significant deficiency compliance and technical assistance referrals.
- ❖ Georgia reports using the State Program Management (10%) set-aside to implement the Georgia Comprehensive Statewide Water Management Plan, which helps the state manage its water supply. Georgia estimated the capacity of its water supply and incorporated the data into regional Water Development and Conservation Plans, which will be used to guide state grants and DWSRF loans. The Georgia Environmental Protection Division plans to develop best management practices for demand management and water return and supply practices.
- ❖ Michigan reports using the State Program Management (10%) set-aside to fund local health districts to conduct capacity assessments for 32 water systems. Michigan cosponsors a

newsletter that promotes better operation and maintenance and provides regulatory guidance, delivered to all PWSs quarterly.

- ❖ Wisconsin reports using the State Program Management (10%) set-aside to fund a Capacity Development Water Supply Specialist position, responsible for directing the state's capacity development program. The specialist's duties include developing capacity development objectives, preparing progress reports, interpreting regulations, reviewing water system capacity evaluations, and coordinating capacity development activities statewide.

Operator Certification Under: 2%, 10%, and 15% Set-Asides

Operator certification is one specific area where states can have a significant impact on the capacity of PWSs. Many states use DWSRF funds to organize workshops, seminars, and other training events that provide operators with ongoing educational opportunities. This "continuing education" is a prerequisite for maintaining or renewing operator certification.

Several states' data management activities are linked to operator certification/licensing; these states are working to integrate databases that will enable more functional operator tracking and monitoring.

Overall, 44 states and Puerto Rico use DWSRF set-aside funds to manage Operator Certification Programs. DWNIMS data show that participating states were awarded a total of \$1.8 million in 2008 from the State Program Management (10%) set-aside to fund Operator Certification Programs.

How States Are Using Set-Asides for Operator Certification

- ❖ Delaware reports using the Small System Technical Assistance (2%) set-aside to fund operator training. The Delaware Technical and Community College was targeted to receive a portion of this set-aside to serve as the state's sole provider of operator certification training. The college intends to revise its tests and courses to include hands-on training. If a very small system (e.g., mobile home community) owner can demonstrate that they have completed the Management Certificate coursework through Delaware Technical and Community College, then any person employed by that owner can get free training from the college for one year.
- ❖ California reports using the State Program Management (10%) set-aside to complete the production of the "Water Systems Operation and Maintenance Training Series" video and DVD series, whose titles include *Wellhead Protection*, *Hypochlorination*, *Water Storage Tanks*, *Sampling and Testing*, *Inspecting a Pump Station*, *Distribution Systems*, and *Approaches to Compliance with Standards*.
- ❖ Hawaii reports using the State Program Management (10%) set-aside to provide free training to operators, resulting in a 75 percent passing rate on certification examinations.
- ❖ Maine reports using the State Program Management (10%) set-aside to fund a 0.5 full-time equivalent (FTE) to coordinate operator training and certification. The 0.5 FTE is a contract position through the New England Interstate Water Pollution Control Commission. The rules include a requirement to complete annual Training Contact Hours (TCH) in order to maintain a water operator license in Maine. Staff support is used to evaluate training, assign TCH

credits, track TCH credits, renew licenses, give examinations, and evaluate operator applicant credentials.

III. General State Usage of Set-Asides to Build TMF Capacity

Colorado

Colorado uses set-asides to help finance a variety of technical assistance initiatives including the Colorado Radionuclides Abatement and Disposal Strategy (or “CO-RADS”), which provides targeted assistance to the roughly 40 drinking water systems in the state with high levels of naturally occurring radionuclides. Other efforts include tailored technical assistance based on a system’s capacity assessment, Web-based resources and a self-assessment program, and comprehensive performance evaluations to help surface water systems identify the cause of performance-limiting factors at treatment facilities. Another initiative is the Drinking Water Coaching Program, through which TMF “coaches” provide direct assistance to the Colorado drinking water systems most in need. The coaches provide on-site, hands-on training, operational and management improvement tools, and consultation on alternative approaches systems can use to build capacity.

DWSRF set-asides also fund comprehensive training programs that augment Colorado’s technical assistance efforts. Training initiatives include 4-5 day “schools” hosted by partner organizations that cover basic or advanced topics in drinking water treatment or distribution system management, monthly training classes held by the Rocky Mountain Section of the American Water Works Association (AWWA) and the Colorado RWA, and specialized training on new regulations. Colorado also established an Excellence in Drinking Water Program to provide advanced training and leadership programs to help some of Colorado’s best operated and managed systems take their performance to a higher level. In addition, Colorado developed a training course for water system boards and councils, which has been delivered in five training sessions to approximately 100 water system managers and board/council members. A self-paced version of the course is available on digital video disc (DVD).

Connecticut

Connecticut’s Capacity Development Program relies on DWSRF set-asides to help water systems of all sizes develop and maintain sustainable operations. One state initiative aims to improve the capacity of public schools with their own water systems. This initiative has helped over 100 schools make major improvements or consolidate with other water systems, tremendously improving the drinking water in Connecticut public schools.

Another successful capacity building effort has helped formalize and coordinate regional water resource planning activities. The state provides a forum for water utility representatives, local officials, and other stakeholders to come together to discuss long-range water supply planning issues, establish exclusive service areas, and produce a water supply plan for their region. The planning process encourages involved water systems to develop the appropriate capacity so they can execute their regional drinking water service responsibilities.

Indiana

DWSRF set-asides and fees are important funding sources for the Indiana Department of Environmental Management's (IDEM) Capacity Development Program. Indiana offers a wide range of both traditional and innovative approaches to help systems. Some examples include a "job bank" for operators and systems in need of an operator, a water system mentoring program, town manager and utility board manager training, and in-house planning and engineering assistance for small systems.

To help systems build financial capacity, Indiana performs a rate, water use, and customer analysis for water systems. The analysis, which has been conducted for over 300 utilities, includes a comprehensive review of the water system's current and projected finances and evaluates the effects of fixed and variable expenses on rates. The analysis has helped hundreds of water systems establish appropriate water rates.

IDEM also developed a self-assessment manual to help water systems determine their TMF deficiencies. The manual has been a success among operators and IDEM staff, who use the self-assessment results to tailor new tools to the most pressing needs of the state's water systems.

Maine

Maine uses set-asides to encourage consolidation. The state reports using the Local Assistance and Other State Programs (15%) set-aside to fund Water System Consolidation Grants in order to provide partial funding to water systems for the purpose of consolidating with another water system. The PWS applying for consolidation must have a TMF capacity issue that will be addressed by the consolidation with the more viable PWS. The receiving PWS must not exhibit TMF capacity deficiencies. The applying PWS must report a median household income of less than \$35,178, and the project must complete the environmental review process that is currently part of the DWSRF construction loan program. Grant awards cannot exceed \$100,000 and can fund no more than 50 percent of the cost of the water system consolidation for for-profit facilities and no more than 75 percent of the cost of consolidation for not-for-profit facilities. Qualifying costs include, but are not limited to, the following activities: planning and design, environmental review, income survey, and construction and abandonment of sources. The balance of the cost of system consolidation may be generated from any other source, including grants, loans or capital reserves. One possible funding source is the DWSRF loan program; however, the consolidating water systems must meet the appropriate application deadlines for the DWSRF loan process.

Missouri

Missouri uses DWSRF set-asides for a variety of efforts to build TMF capacity in water systems. Several capacity development initiatives are targeted at helping small systems. For example, the state provides engineering contract services to very small systems, enabling system-wide evaluations and helping systems obtain funding for project development. Missouri also helps water systems of all sizes plan for droughts by conducting surface water supply studies. These studies determine the "firm yield" (i.e., maximum sustainable yield) of water sources in a multiple-year drought and have helped the state identify and assist water systems with inadequate storage or flow.

Missouri's Public Drinking Water Branch has also developed an electronic sanitary survey, which helps the state maintain up-to-date data by eliminating time-consuming paperwork. The electronic sanitary survey system creates a searchable database that helps the state evaluate TMF capacity and that can be integrated with GIS data.

New Mexico

The New Mexico Drinking Water Bureau uses DWSRF set-asides to help fund its Capacity Development Program. New Mexico's program has made significant progress in recent years, resulting in direct improvements in TMF capacity for the state's most at-risk PWSs. This progress can be attributed in part to New Mexico's assumption of responsibility for formal enforcement, which has allowed for increased coordination between enforcement and capacity activities. The state's coordinated approach is facilitated through bi-monthly conference calls. New Mexico has learned that linking enforcement actions with an offer of capacity assistance resources is an effective way to convince water systems to make necessary changes. Other changes in New Mexico's Capacity Development Program are the result of a 2007 Executive Order, which required systems seeking funding for infrastructure projects to be assessed for capacity and to correct deficiencies before receiving funding. The Order also required the development of a Uniform Funding Application, which will create a central portal for applications for infrastructure funding, and a process to ensure that projects are fully funded.

Other notable aspects of New Mexico's Capacity Development Program include a multi-agency effort to support appropriate regionalization and a tiered system of capacity assessments, which saves resources by focusing time and energy on PWSs with significant problems or those applying for DWSRF assistance.

South Carolina

South Carolina emphasizes capacity requirements for new systems. Since July 1, 1997, capacity reviews of new system applications in the state prevented approximately half of proposed water systems from being constructed because it was either more feasible to connect to an existing system or the applicant could not demonstrate necessary capacity for the project. According to the 2008 Report to the Governor, all new water systems permitted since 1997 in South Carolina are in compliance with the SDWA requirements.

Texas

The Texas Commission on Environmental Quality (TCEQ) funds its Capacity Development Program with a portion of the available DWSRF set-asides. One of Texas' innovative efforts is a "chat room" at the annual Water Supply Division's Public Drinking Water conferences, which helps facilitate communication, partnerships, and understanding between water systems and state staff. The chat room is a conference highlight, offering an informal setting for TCEQ staff to answer specific questions from water system personnel.

Consolidation is another focus of Texas's Capacity Development Program. TCEQ offers a voluntary consolidation assessment and assistance program for interested entities. TCEQ staff

work with the systems to examine regionalization or restructuring options, facilitate community meetings, and assist systems with any necessary permits or approvals.

Texas has many capacity development initiatives centered on emergency response and disaster planning. The aftermath of Hurricane Rita in 2005 highlighted the lack of emergency preparedness by some water systems, which led TCEQ to require Vulnerability Assessments (VAs) and Emergency Response Plans (ERPs) for systems serving over 3,300 people. TCEQ remains committed to emergency preparedness, providing on-site assistance to develop VAs and drought contingency plans, model plans, security and emergency response checklists, and training focused on emergency response. TCEQ is also facilitating the Critical Facilities Infrastructure Mapping (CFIM) Project, which determines accurate locations of any critical infrastructure component that could be swept away or buried beneath debris in an emergency event.

IV. Conclusion

Set-Aside Trends

State reporting of set-aside-funded activities shows that funds are being used as they were originally intended – for activities to strengthen water system management practices in an effort to address current system challenges and increase long-term capacity of systems nationwide. Much of the set-aside funds used by the states is geared towards implementing state capacity development strategies. Investing in state capacity development priorities can help PWSs achieve and maintain short- and long-term TMF capacity; the value of these efforts plays an integral role in public health protection.

Efforts to assist small and disadvantaged PWSs through the use of set-asides are widely noted throughout state reports. The sheer number of small drinking water systems and the challenges many face are acknowledged through the vast technical assistance and outreach efforts that the states fund. Maintaining a direct relationship with PWSs statewide, whether through technical assistance, operator certification, training or other regulatory activities, is critical to most states' efforts to increase compliance and capacity. These efforts, enabled through the set-asides, also support smaller or disadvantaged systems to technically, managerially, and financially position themselves for the opportunity to apply for a loan from the DWSRF at a future date.

State investments in information technology and data management have shown to be an effective management and outreach tool in promoting capacity development. Maintaining or upgrading SDWIS/State data systems, integrating handheld/PDA technology into state networks, tracking operator certification, developing GIS and hydrologic/geologic data systems, and maintaining inventories of potential contaminants and source water assessments all contribute to expanded institutional capabilities, outreach, and overall PWS assistance. In addition, the Internet has been used as an effective communication tool for regulators, operators, and water system owners. These investments span the variety of state activities, contributing to capacity development at multiple levels.

As can be seen throughout this document, states use set-asides to fund many types of activities. With such diversity, it is important to understand the differences in state program organization

and priorities in order to identify the activities and funding mechanisms that are most appropriate for each state. Identifying what “works” is crucial to managing a successful drinking water program. States should continue to review their capacity development programs and PWSS program priorities to determine the overall effectiveness of their set-aside usage.

Steps to Assist Small Systems and Further System Sustainability through Use of DWSRF Set-Asides

Set-asides are used to further state capacity development programs, operator certification programs, and source water protection efforts through activities that focus on achieving a long-term, reliable supply of safe drinking water for the American public. As the nation looks to new challenges with water and energy availability, aging infrastructure, and population growth, future use of set-aside funds needs to support capacity development as a means toward achieving long-term sustainability. Shifting from reactionary management strategies to proactive, community-focused planning efforts will be integral to addressing the public health goals of SDWA and to sustaining the economic and social strength of communities.

Educating local decision makers and customers on the value of water treatment and delivery continues to be critical in planning for current and future efforts in maintaining the health of water systems. Set-asides should be used to support innovative system-wide and regional planning activities before infrastructure projects are finalized, as well as to support activities that increase managerial and financial capacity. In particular, asset management is an important tool for systems to use as they consider their needs and ability to provide services at an affordable rate to their communities. Where appropriate, set-asides should also be utilized to build collaborative partnerships among systems to address capacity challenges, including compliance with new regulations, operator support, and water availability.

States have the primary responsibility to implement their DWSRF programs and should retain this role to ensure the flexibility to manage their funds is consistent with local conditions and challenges. EPA intends to continue working closely with our state co-regulators to identify innovative uses of set-asides to assist systems with compliance needs and long-term sustainability.

Appendix A

Summary Matrices of State Intended Use Plans (IUPs), Reports to the Governor, and Financial Data from the DWSRF National Information Management System (DWNIMS)

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
Alabama					
IUP: 2008		Financial Information: Set-aside: \$3.90 m (3.9%)	Financial Information: Set-aside: \$0.88 m (0.9%)	Financial Information: Set-aside: \$1.12 m (1.1%)	Financial Information: Set-aside: \$2.88 m (2.9%)
Governor's Report: 2008		Expended: \$3.42 m (87.7%) Remaining: \$0.48 m (12.3%)	Expended: \$0.85 m (96.6%) Remaining: \$0.15 m (17.0%)	Expended: \$1.12 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$2.88 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	No set-aside-specific information included in state report	General	No set-aside-specific information included in state report
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections			X	
	Sanitary Surveys				
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program			X	
	Technical			X	
	Managerial			X	
	Financial			X	
General Activities	Public Education/Outreach				
	Operator Certification				
	Other System Training			X	
	Circuit Riding/Site Visits				
	Rate Studies			X	
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency			X	
	System Partnerships				
	Restructuring/Consolidation			X	
	Small System Assistance				
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services			X	
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other		Will also be used for travel, training, equipment, supplies, audit fees, and "indirect costs"			

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Alaska					
IUP: 2008		Financial Information: Set-aside: \$4.25 m (4.0%)	Financial Information: Set-aside: \$1.06 m (1.0%)	Financial Information: Set-aside: \$1.32 m (1.2%)	Financial Information: Set-aside: \$3.73 m (3.5%)	
Governor's Report: N/A		Expended: \$3.88 m (91.4%) Remaining: \$0.37 m (8.7%)	Expended: \$0.84 m (78.9%) Remaining: \$0.22 m (20.8%)	Expended: \$1.19 m (90.7%) Remaining: \$0.12 m (9.1%)	Expended: \$4.09 m (109.8%) Remaining: \$-0.37 m (-9.9%)	
		General	General	General	Effort: Capacity Development	Effort: Wellhead Protection
State Program	Staff	X				
	General Drinking Water Admin.			Primacy implementation		
	DWSRF Administration	X				
	Data Management					
	Inspections					
	Sanitary Surveys					
	Compliance Activities	Perform project audits, capacity reviews		SDWA compliance		
	Enforcement					
Capacity Development	Capacity Development Program				Amend and update strategy	
	Technical				Technical and compliance assistance	
	Managerial				Assist with capacity self assessments	
	Financial				X	
General Activities	Public Education/Outreach				Outreach on capacity issues and assessments	Public outreach on wellhead protection tools & strategies
	Operator Certification					
	Other System Training		X			Assist systems in developing wellhead protection plans
	Circuit Riding/Site Visits					
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)					
	Leak Detection/Water Efficiency/ Energy Efficiency					
	System Partnerships					
	Restructuring/Consolidation					
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance		Direct technical assistance to small systems			
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services					
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt					
	Wellhead Protection & Mgmt					
	Land Acquisition					
Other						Implement statewide program; assist systems with developing plans

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Arizona					
IUP: 2008		Financial Information: Set-aside: \$6.16 m (4.0%)	Financial Information: Set-aside: \$1.15 m (0.7%)	Financial Information: Set-aside: \$4.07 m (2.6%)	Financial Information: Set-aside: \$11.31 m (7.3%)	
Governor's Report: N/A		Expended: \$5.32 m (86.4%) Remaining: \$0.84 m (13.6%)	Expended: \$0.83 m (72.2%) Remaining: \$0.14 m (12.2%)	Expended: \$1.87 m (45.9%) Remaining: \$2.20 m (54.1%)	Expended: \$4.64 m (41.1%) Remaining: \$6.66 m (58.9%)	
		General	No set-aside-specific information included in state report	General	Effort: Project Technical Assistance	Effort: Operational Technical Assistance
State Program	Staff	X				
	General Drinking Water Admin.	X		X		
	DWSRF Administration	X				
	Data Management					
	Inspections					
	Sanitary Surveys					
	Compliance Activities			Regulatory guidance and assistance		
	Enforcement					
Capacity Development	Capacity Development Program			X		
	Technical			X		
	Managerial			X		
	Financial			X		
General Activities	Public Education/Outreach					
	Operator Certification			X		
	Other System Training					Assistance to improve day-to-day operations
	Circuit Riding/Site Visits					
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)					
	Leak Detection/Water Efficiency/ Energy Efficiency					
	System Partnerships					
	Restructuring/Consolidation					
	Small System Assistance					
	Disadvantaged System Assistance					
	Other Technical Assistance			Technical consultations on system design	X	X
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services			X	Conceive, plan, design, and develop infrastructure	
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt			X		
	Wellhead Protection & Mgmt					X
	Land Acquisition					
Other						

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Arkansas					
IUP: 2008		Financial Information: Set-aside: \$4.40 m (4.4%)	Financial Information: Set-aside: \$2.20 m (2.2%)	Financial Information: Set-aside: \$10.11 m (10.0%)	Financial Information: Set-aside: \$15.17 m (15.0%)	
Governor's Report: 2008		Expended: \$4.40 m (99.8%) Remaining: \$0.01 m (0.2%)	Expended: \$1.25 m (57.1%) Remaining: \$0.94 m (43.7%)	Expended: \$7.52 m (74.4%) Remaining: \$2.59 m (25.6%)	Expended: \$6.76 m 44.6%) Remaining: \$8.40 m (55.4%)	
		General	General	General	Effort: Wellhead Protection	Effort: Capacity Development
State Program	Staff	X		X	X	
	General Drinking Water Admin.					
	DWSRF Administration	X		X		
	Data Management				Map underground infrastructure	
	Inspections			Complaint investigations		
	Sanitary Surveys			X		X
	Compliance Activities		X	Engineering section will ensure compliance with SDWA requirements		
	Enforcement					
Capacity Development	Capacity Development Program		X			X
	Technical		X			X
	Managerial		X			X
	Financial		X			X
General Activities	Public Education/Outreach				General outreach on the importance of WHPP and GWP	X
	Operator Certification		X			X
	Other System Training					
	Circuit Riding/Site Visits		See comment 1		Hydrologic sensitivity assessments	
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)					X
	Leak Detection/Water Efficiency/ Energy Efficiency					
	System Partnerships					
	Restructuring/Consolidation					
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance		Technical assistance in correcting water system deficiencies	X	Technical assistance to facilitate local ground water protection activities	See comment 3
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services			Engineering plan reviews		Permitting, licensing; long range planning document
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt					Review of and protection from point and non-point discharges
	Wellhead Protection & Mgmt				See comment 2	
	Land Acquisition					
Other				Update IT equipment as needed		Comprehensive performance evaluations

DWSRF Set-Aside Spending Arkansas	
Comments	
1	Assess water system needs; provide corrective action plans addressing identified deficiencies.
2	Assistance in well siting, aquifer identification, construction, source inventories, hydrologic assessments.
3	Training and technical assistance in drafting consumer confidence reports and source water protection plans.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	California				
IUP: 2008		Financial Information: Set-aside: \$33.96 m (4.2%)	Financial Information: Set-aside: \$15.62 m (1.9%)	Financial Information: Set-aside: \$13.84 m (1.7%)	Financial Information: Set-aside: \$32.46 m (4.0%)
Governor's Report: 2008		Expended: \$26.39 m (77.7%) Remaining: \$7.57 m (22.3%)	Expended: \$12.59 m (80.6%) Remaining: \$4.47 m (28.6%)	Expended: \$10.83 m (78.2%) Remaining: \$3.01 m (21.7%)	Expended: \$7.19 m (22.1%) Remaining: \$25.27 m (77.8%)
		General	General	General	General
State Program	Staff	X	X		
	General Drinking Water Admin.	X			
	DWSRF Administration	X			
	Data Management	X		X	
	Inspections				X
	Sanitary Surveys			X	X
	Compliance Activities		X	X	
	Enforcement				
Capacity Development	Capacity Development Program		X	See comment 2	
	Technical		X	X	
	Managerial		X	X	
	Financial		X	X	
General Activities	Public Education/Outreach			X	
	Operator Certification			X	X
	Other System Training		X	Provided by RCAC (workshops) and CSUS (Web-based)	
	Circuit Riding/Site Visits			X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)		X		
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X	X	
	Disadvantaged System Assistance			X	
	Other Technical Assistance			See comment 3	X
DWSRF Help	Loan Application Assistance		X	X	
	Planning/Design/Engineering Services		X	See comment 4	
Security Issues	ERP Assistance		X	X	X
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other		See comment 1			

DWSRF Set-Aside Spending California	
Comments	
1	A portion of the Administration set-aside is used to fund positions of the SDWSRF Fiscal Support Team in the Accounting Section of the CDPH Administration functional area.
2	CDPH plans to continue the use of third-party contractors who offer personnel with specialized small water system expertise to assist small water systems in developing their TMF capacities. These third party contractors will present workshops throughout the state regarding the TMF elements.
3	CDPH will develop strategies to encourage water systems to complete the online TMF Tune-up and will use the statistical information obtained to evaluate the effectiveness of the set-aside programs. A portion of the set-aside funds will support the development of a courses that would satisfy the high school diploma requirement for operator certification.
4	CDPH provides preliminary engineering assistance through U.C. Davis "Center for Appropriate Technology for Small Water Systems."

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Colorado				
IUP: 2008		Financial Information: Set-aside: \$6.19 m (4.0%)	Financial Information: Set-aside: \$2.81 m (1.8%)	Financial Information: Set-aside: \$8.45 m (5.5%)	Financial Information: Set-aside: \$18.35 m (11.9%)
Governor's Report: 2008		Expended: \$3.51 m (56.8%) Remaining: \$2.67 m (43.1%)	Expended: \$1.27 m (45.2%) Remaining: \$1.82 m (64.8%)	Expended: \$6.45 m (76.3%) Remaining: \$2.00 m (23.7%)	Expended: \$11.64 m (63.4%) Remaining: \$6.71 m (36.6%)
		General	General	General	General
State Program	Staff	X	X	X	X
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management			X	
	Inspections			X	
	Sanitary Surveys		X		X
	Compliance Activities			X	Continued implementation of a "Systems of Concern" program
	Enforcement			X	
Capacity Development	Capacity Development Program				X
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach			CCR preparation	Improvements to CDPHE Web site
	Operator Certification		X		X
	Other System Training		Development of a comprehensive training curriculum		Operator training for DBPP and GWR
	Circuit Riding/Site Visits				X
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance	X	X		
	Disadvantaged System Assistance		X		
	Other Technical Assistance	X	X	X	Technical assistance to implement source water protection
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services		See comment 1		
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				Implementation of a program to assist systems with radionuclides in their source waters
	Wellhead Protection & Mgmt				Implement WHP program
	Land Acquisition				X
Other			Financial assistance	Regulations development.	Radionuclide Disposal Options Toolbox

DWSRF Set-Aside Spending Colorado	
Comments	
1	Colorado will use the Small System Training and Technical Assistance (SSTTA) set-aside to provide planning and design grants to small systems.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Connecticut				
IUP: 2008		Financial Information: Set-aside: \$3.7 m (4%)	Financial Information: Set-aside: \$1.85 m (2.0%)	Financial Information: Set-aside: \$9.24 m (10%)	Financial Information: Set-aside: \$13.86 m (15.0%)
Governor's Report: 2008		Expended: \$3.47 m (93.8%) Remaining: \$0.23 m (6.2%)	Expended: \$1.74 m (94.2%) Remaining: \$0.11 m (5.9%)	Expended: \$7.57 m (81.9%) Remaining: \$1.67 m (18.1%)	Expended: \$8.55 m (61.7%) Remaining: \$5.31 m (38.3%)
		General	General	General	General
State Program	Staff	Health Program Assistant and Fiscal Administrative Officer	Sanitary Engineer I	Environmental Analysts II (2); Sanitary Engineer I (3)	X
	General Drinking Water Admin.			X	
	DWSRF Administration	X		X	
	Data Management	X	X	X	
	Inspections				X
	Sanitary Surveys			X	
	Compliance Activities			X	
	Enforcement			X	
Capacity Development	Capacity Development Program		X	X	Capacity Development at public schools
	Technical		X	X	X
	Managerial	X	X	X	X
	Financial	X	X	X	X
General Activities	Public Education/Outreach			X	
	Operator Certification			X	
	Other System Training				
	Circuit Riding/Site Visits				
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships			X	
	Restructuring/Consolidation			X	X
	Small System Assistance			X	X
	Disadvantaged System Assistance				
	Other Technical Assistance		Technical assistance information to owners and operators	X	
DWSRF Help	Loan Application Assistance		X		
	Planning/Design/Engineering Services		X	See comment 1	X
Security Issues	ERP Assistance				X
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				X
	Wellhead Protection & Mgmt				X
	Land Acquisition				X
Other				See comment 2	

DWSRF Set-Aside Spending Connecticut	
Comments	
1	Connecticut will review and process PWS permits, review projects for environmental impacts, and review Certificate of Public Convenience and Necessity applications for the creation of new PWSs including evaluating feasible interconnections with existing PWSs, and perform Well Site Suitability Reviews for proposed new PWS groundwater sources.
2	Connecticut will educate systems on financial assessment tools and help obtain revenue sources; track, analyze and prepare reports concerning status of all eighty-four (84) PWSs serving over 1,000 persons that are required to submit water supply plans; review Water Supply Plans for community water systems serving greater than 1,000 persons; assist in the coordination of regional water supply forums; and review interim Conservation and Development changes for the Connecticut Office of Policy and Management.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)	
State:	Delaware							
IUP: 2008		Financial Information: Set-aside: \$3.34 m (4.0%)	Financial Information: Set-aside: \$1.64 m (2.0%)	Financial Information: Set-aside: \$7.72 m (9.2%)			Financial Information: Set-aside: \$8.71 m (10.4%)	
Governor's Report: 2008		Expended: \$2.32 m (69.4%) Remaining: \$1.02 m (30.5%)	Expended: \$1.05 m (64.0%) Remaining: \$0.59 m (36.0%)	Expended: \$6.38 m (82.7%) Remaining: \$1.33 m (17.2%)			Expended: \$5.54 m (63.6%) Remaining: \$3.17 m (36.4%)	
		General	Effort #1: General	Effort: Capacity Development, Documentation	Effort: Source Water Protection Activities (UIC program)	Effort: PWSS program	Effort: Capacity Development	Effort: Groundwater Protection
State Program	Staff	X						
	General Drinking Water Admin.							
	DWSRF Administration	X		X	X	X		
	Data Management	Northbridge loan tracking system						
	Inspections							
	Sanitary Surveys				X	X		
	Compliance Activities		X			Data verification, sample analysis		
	Enforcement							
Capacity Development	Capacity Development Program						X	
	Technical						X	
	Managerial						X	
	Financial						X	
General Activities	Public Education/Outreach							
	Operator Certification		X	X			X	
	Other System Training		X					
	Circuit Riding/Site Visits		X					
	Rate Studies			X				
	Pilot Studies					X		
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency					X		
	System Partnerships							
	Restructuring/Consolidation							
	Small System Assistance		X					
	Disadvantaged System Assistance							
	Other Technical Assistance					See comment 1		
DWSRF Help	Loan Application Assistance			X				
	Planning/Design/Engineering Services			X				
Security Issues	ERP Assistance		X					
	VA Assistance							
SWP Efforts	Source Water Protection & Mgmt							Source Water Assessment Program
	Wellhead Protection & Mgmt							X
	Land Acquisition							
Other								

DWSRF Set-Aside Spending Delaware	
Comments	
1	Technical assistance to meet SDWA requirements.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Florida				
IUP: 2008		Financial Information: Set-aside: \$6.77 m (2.5%)	Financial Information: Set-aside: \$6.37 m (2.3%)	Financial Information: Set-aside: \$20.90 m (7.6%)	Financial Information: Set-aside: \$2.93 m (1.1%)
Governor's Report: 2008		Expended: \$8.3 m (122.5%) Remaining: \$-1.53 m (-22.6%)	Expended: \$4.03 m (63.2%) Remaining: \$2.35 m (36.9%)	Expended: \$16.39 m (78.4%) Remaining: \$4.52 m (21.6%)	Expended: \$2.93 m (100.0%) Remaining: \$0.00 m (0.0%)
		Reserved for use in future years	General	PWSS Program Enhanced and Source Water Protection Program	No set-aside-specific information included in state report
State Program	Staff		Circuit riders, professional engineers, comprehensive technical assistance trainers, assistant engineers	X	
	General Drinking Water Admin.				
	DWSRF Administration				
	Data Management			X	
	Inspections			X	
	Sanitary Surveys			X	
	Compliance Activities		X		
	Enforcement		X		
Capacity Development	Capacity Development Program		X		
	Technical		X	X	
	Managerial		X	X	
	Financial		X	X	
General Activities	Public Education/Outreach				
	Operator Certification			X	
	Other System Training		X	X	
	Circuit Riding/Site Visits		Technical assistance visits, circuit riders		
	Rate Studies		X		
	Pilot Studies				
	Plant Optimization (AWOP)		X	See comment 1	
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance			X	
	Disadvantaged System Assistance				
	Other Technical Assistance		X	X	
DWSRF Help	Loan Application Assistance		Technical assistance for loan/grant applications provided by circuit riders		
	Planning/Design/Engineering Services		Preparation of facilities plans; federal value engineering requirements	X	
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	
	Wellhead Protection & Mgmt		X		
	Land Acquisition				
Other			X		

DWSRF Set-Aside Spending Florida	
Comments	
1	Includes CPEs, collecting turbidity data to evaluate optimizational goals, Performance-Based AWOP Training Program.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)	
State:	Georgia							
IUP: 2008		Financial Information: Set-aside: \$8.44 m (4.2%)	Financial Information: Set-aside: \$3.04 m (1.5%)	Financial Information: Set-aside: \$17.49 m (8.6%)			Financial Information: Set-aside: \$19.97 m (9.8%)	
Governor's Report: 2008		Expended: \$5.63 m (66.7%) Remaining: \$2.81 m (33.3%)	Expended: \$2.40 m (79.0%) Remaining: \$0.64 m (21.1%)	Expended: \$13.69 m (78.3%) Remaining: \$3.80 m (21.7%)			Expended: \$10.73 m (53.7%) Remaining: \$9.24 m (46.2%)	
		Effort #1: General	Effort #1: General	Effort: Source Water Assessment	Effort: Capacity Development	Effort: Waterborne Disease Strategy Implementation	Effort: Capacity Development	Effort: Groundwater Protection
State Program	Staff	X					X	X
	General Drinking Water Admin.	Development of the National Needs Survey			See comment 3			
	DWSRF Administration	Project ranking and administration		Implement EPA-approved SWAP		Implementation of DBPP and IESWTR		
	Data Management			Develop GIS coverages				
	Inspections	X				Monitor selected PWSs for Cryptosporidium	X	
	Sanitary Surveys						X	
	Compliance Activities				Drinking Water Fee System; see comment 4	Assist affected systems with compliance	X	
	Enforcement						X	
Capacity Development	Capacity Development Program				X		X	
	Technical				X		X	
	Managerial				X		X	
	Financial				X		X	
General Activities	Public Education/Outreach				X		CCR assistance	
	Operator Certification						Operator certification program; see comment 6	
	Other System Training				Operator and lab analysts training		See comment 7	
	Circuit Riding/Site Visits		X		X		X	
	Rate Studies							
	Pilot Studies							
	Plant Optimization (AWOP)						X	
	Leak Detection/Water Efficiency/ Energy Efficiency							
	System Partnerships							
	Restructuring/Consolidation						X	
	Small System Assistance		See comment 1				X	
	Disadvantaged System Assistance							
	Other Technical Assistance			Provide GIS support to PWSS program	X	Technical assistance to surface water systems		
DWSRF Help	Loan Application Assistance							
	Planning/Design/Engineering Services	Project planning, review, and approval					Water development and conservation plans	
Security Issues	ERP Assistance							
	VA Assistance							
SWP Efforts	Source Water Protection & Mgmt			X		See comment 5	Water resource assessments	See comment 9
	Wellhead Protection & Mgmt						Water resource assessments	
	Land Acquisition							
Other				See comment 2			See comment 8	

DWSRF Set-Aside Spending Georgia	
Comments	
1	Contracts with Georgia Rural Water Association (GRWA) for small system assistance.
2	Implement Georgia's Comprehensive State-wide Water Management Plan - water resource assessments, water development and conservation plans.
3	Implementation of the Comprehensive State-wide Water Management Plan, administration of the Public Water System Supervision Program.
4	Annual report to EPA; tri-annual Report to the Governor.
5	Analyze <i>Cryptosporidium</i> samples.
6	Operator training contracts with Georgia Water and Wastewater Institute and GRWA.
7	Training to 1,135 students and/or 70 courses.
8	Business plans, operations and maintenance plans.
9	Ground Water Under the Direct Influence Program.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Hawaii				
IUP: 2008		Financial Information: Set-aside: \$2.68 m (2.9%)	Financial Information: Set-aside: \$1.32 m (1.4%)	Financial Information: Set-aside: \$6.68 m (7.3%)	Financial Information: Set-aside: \$5.19 m (5.6%)
Governor's Report: 2008		Expended: \$1.72 m (64.2%) Remaining: \$0.96 m (35.8%)	Expended: \$0.71 m (53.6%) Remaining: \$0.63 m (47.7%)	Expended: \$3.98 m (59.6%) Remaining: \$2.70 m (40.4%)	Expended: \$1.79 m (34.4%) Remaining: \$3.40 m (65.5%)
		General	General	PWSS Program	General
State Program	Staff	See comment 1	See comment 1	See comment 1	
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management	X			
	Inspections	Construction inspections			
	Sanitary Surveys		X	Contracts for conducting surveys	X
	Compliance Activities				
	Enforcement			X	
Capacity Development	Capacity Development Program		X	X	X
	Technical		X		X
	Managerial		X		X
	Financial		X		X
General Activities	Public Education/Outreach	Public assistance			X
	Operator Certification		X	See comment 2	See comment 3
	Other System Training		Post-sanitary survey training	Security and cross-connection training	
	Circuit Riding/Site Visits		X		X
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance		X		See comment 4
DWSRF Help	Loan Application Assistance	X	X		
	Planning/Design/Engineering Services	X	X		
Security Issues	ERP Assistance				X
	VA Assistance				X
SWP Efforts	Source Water Protection & Mgmt				X
	Wellhead Protection & Mgmt				X
	Land Acquisition				
Other		Legal consultation		Quality assurance measures	

DWSRF Set-Aside Spending Hawaii	
Comments	
1	The state will fund 2009 set-aside activities with existing funds from previous capitalization grants, and will reserve FFY 2008 set-aside funds for future activities.
2	A non-profit contractor provided the training at no cost to the operators. Initially, 75% of the operators passed the certification examinations on the first try.
3	Continuing education program with the University of Hawaii's Outreach College.
4	Security equipment for systems (cameras, fencing, etc.); post-sanitary survey technical assistance.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Idaho					
IUP: 2008		Financial Information: Set-aside: \$3.74 m (3.9%)	Financial Information: Set-aside: \$3.15 m (3.3%)	Financial Information: Set-aside: \$7.32 m (7.6%)	Financial Information: Set-aside: \$12.72 m (13.3%)	
Governor's Report: 2008		Expended: \$2.83 m (75.6%) Remaining: \$0.91 m (24.3%)	Expended: \$1.49 m (47.3%) Remaining: \$1.72 m (54.6%)	Expended: \$5.49 m (74.9%) Remaining: \$1.84 m (25.1%)	Expended: \$9.23 m (72.6%) Remaining: \$3.49 m (27.4%)	
		General	General	PWSS Program	Effort: Wellhead Protection	Effort: Capacity Development Strategy
State Program	Staff	X				
	General Drinking Water Admin.			Funds to supplement drinking water program		
	DWSRF Administration	X				
	Data Management					X
	Inspections					
	Sanitary Surveys		X			X
	Compliance Activities					
	Enforcement					
Capacity Development	Capacity Development Program					X
	Technical					X
	Managerial					X
	Financial					X
General Activities	Public Education/Outreach		CCR assistance			X
	Operator Certification					X
	Other System Training					X
	Circuit Riding/Site Visits		X			
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)					X
	Leak Detection/Water Efficiency/ Energy Efficiency					
	System Partnerships					X
	Restructuring/Consolidation					
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance				Development and implementation of drinking water protection plan	
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services				X	X
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt				X	
	Wellhead Protection & Mgmt				X	
	Land Acquisition					
Other						Idaho Water/Wastewater Agency Response Network

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Illinois				
IUP: 2008		Financial Information: Set-aside: \$13.29 m (4.0%)	Financial Information: Set-aside: \$0.00 m (0.0%)	Financial Information: Set-aside: \$0.00 m (0.0%)	Financial Information: Set-aside: \$3.85 m (1.2%)
Governor's Report: 2008		Expended: \$9.23 m (69.5%) Remaining: \$4.05 m (30.5%)	Expended: \$0.00 m (0.0%) Remaining: \$0.00 m (0.0%)	Expended: \$0.00 m (0.0%) Remaining: \$0.00 m (0.0%)	Expended: \$4.10 m (106.4%) Remaining: \$-0.25 m (-6.5%)
		General	General	General	General
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections				X
	Sanitary Surveys				X
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program				X
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach				
	Operator Certification				
	Other System Training				
	Circuit Riding/Site Visits				X
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance				
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				X
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Indiana				
IUP: 2008		Financial Information: Set-aside: \$2.37 m (1.7%)	Financial Information: Set-aside: \$1.31 m (1.0%)	Financial Information: Set-aside: \$1.66 m (1.2%)	Financial Information: Set-aside: \$2.16 m (1.6%)
Governor's Report: 2005		Expended: \$1.79 m (75.8%) Remaining: \$0.57 m (24.1%)	Expended: \$0.89 m (67.8%) Remaining: \$0.65m (49.6%)	Expended: \$1.37 m (82.5%) Remaining: \$0.29 m (17.5%)	Expended: \$2.16 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	General	No set-aside-specific information included in state report	General
State Program	Staff	X			X
	General Drinking Water Admin.				
	DWSRF Administration	X	X		X
	Data Management				
	Inspections				
	Sanitary Surveys				
	Compliance Activities		X		X
	Enforcement				
Capacity Development	Capacity Development Program				X
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach				
	Operator Certification		X		
	Other System Training		X		
	Circuit Riding/Site Visits				X
	Rate Studies				X
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance		X		
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services		X		
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Iowa				
IUP: 2008		Financial Information: Set-aside: \$5.79 m (4.3%)	Financial Information: Set-aside: \$2.69 m (2.0%)	Financial Information: Set-aside: \$4.57 m (3.4%)	Financial Information: Set-aside: \$9.72 m (7.2%)
Governor's Report: 2008		Expended: \$4.00 m (69.1%) Remaining: \$1.79 m (30.9%)	Expended: \$2.26 m (84.0%) Remaining: \$0.43 m (16.0%)	Expended: \$3.41 m (74.7%) Remaining: \$1.16 m (25.4%)	Expended: \$4.64 m (47.7%) Remaining: \$5.08 m (52.3%)
		General	General	General	General
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management	X		See comment 1	
	Inspections				
	Sanitary Surveys			X	Sanitary surveys with viability assessments
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program				X
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach				
	Operator Certification		X		X
	Other System Training		X	Sanitary survey education for medium and large systems	
	Circuit Riding/Site Visits			Sanitary survey technical assistance to medium and large systems	
	Rate Studies		X		
	Pilot Studies				
	Plant Optimization (AWOP)				X
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships			X	
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance		X		
	Other Technical Assistance	X	CCR assistance	Provide geological services such as hydrogeological analyses	X
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				Administer SWP contracts; SW assessments
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					SWP Loans

DWSRF Set-Aside Spending	
Iowa	
Comments	
1	Upgrading the SDWIS database and other information technology updates; upgrade computer programs and systems for PDA Sanitary Survey Project.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Kansas				
IUP: 2008		Financial Information: Set-aside: \$4.74 m (3.9%)	Financial Information: Set-aside: \$2.15 m (1.8%)	Financial Information: Set-aside: \$1.23 m (1.0%)	Financial Information: Set-aside: \$2.07 m (1.7%)
Governor's Report: 2008		Expended: \$3.57 m (75.3%) Remaining: \$1.17 m (24.7%)	Expended: \$1.90 m (88.3%) Remaining: \$0.37 m (17.2%)	Expended: \$0.81 m (66.2%) Remaining: \$0.42 m (34.1%)	Expended: \$1.50 m (72.5%) Remaining: \$0.57 m (27.5%)
		General	General	General	General
State Program	Staff	X	Contractor support	Capacity development coordinator	
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management	NIMS Data Management		Update SDWIS database	
	Inspections	Construction inspection			
	Sanitary Surveys				
	Compliance Activities		X		
	Enforcement				
Capacity Development	Capacity Development Program				Water System Survey
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach				
	Operator Certification				X
	Other System Training		X		Water system board member training manual
	Circuit Riding/Site Visits		X		
	Rate Studies				X
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/ Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				X
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				X
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Kentucky					
IUP: 2008		Financial Information: Set-aside: \$4.27 m (4%)	Financial Information: Set-aside: \$1.89 m (1.8%)	Financial Information: Set-aside: \$8.76 m (8.2%)	Financial Information: Set-aside: \$4.48 m (4.2%)	
Governor's Report: 2008		Expended: \$3.39 m (79.3%) Remaining: \$0.88 m (20.6%)	Expended: \$1.47 m (77.7%) Remaining: \$0.42 m (22.2%)	Expended: \$7.18 m (81.9%) Remaining: \$1.58 m (18.0%)	Expended: \$3.52 m (78.6%) Remaining: \$0.96 m (21.4%)	
		General	General	General	Effort: Capacity Development	Effort: Wellhead Protection Program
State Program	Staff	X				
	General Drinking Water Admin.					
	DWSRF Administration	X		X		
	Data Management				SDWIS/state database used for all data storage activities	Contaminant source inventory; GIS delineation and mapping
	Inspections	Construction progress inspection		On-site construction inspections		
	Sanitary Surveys			X	X	
	Compliance Activities		X			
	Enforcement			X		
Capacity Development	Capacity Development Program		X	X	X	
	Technical		X		X	
	Managerial		X	X	X	
	Financial		X	X	X	
General Activities	Public Education/Outreach		X	Tracking CCRs, preparing and issuing annual reports		Public education assistance
	Operator Certification		X	Develop/implement Operator Certification program	X	
	Other System Training		X		X	
	Circuit Riding/Site Visits		X	On-site water plant and distribution evaluations		
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)		X			
	Leak Detection/Water Efficiency/ Energy Efficiency		X			
	System Partnerships					
	Restructuring/Consolidation				X	
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance	Financial analysis	X		X	X
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services					
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt			Technical assistance for source water protection		X
	Wellhead Protection & Mgmt					See comment 1
	Land Acquisition					
Other					Water Budget Analysis	Equipment and travel

DWSRF Set-Aside Spending Kentucky	
Comments	
1	Assist with technical delineation of wellhead protection areas; set up and maintain contact with PWSs to establish wellhead protection programs.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)		Local Assistance & other State Programs (15% Set-Aside)
State:	Louisiana					
IUP: 2008		Financial Information: Set-aside: \$2.86 m (2.4%)	Financial Information: Set-aside: \$1.65 m (1.4%)	Financial Information: Set-aside: \$7.61 m (6.4%)		Financial Information: Set-aside: \$2.15 m (1.8%)
Governor's Report: 2008		Expended: \$2.86 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$1.55 m (94.2%) Remaining: \$0.37 m (22.4%)	Expended: \$6.63 m (87.2%) Remaining: \$0.98 m (12.9%)		Expended: \$2.15 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	General	Effort: PWSS	Effort: Capacity Development	No set-aside-specific information provided in state report
State Program	Staff	X	X	X	X	
	General Drinking Water Admin.					
	DWSRF Administration	X				
	Data Management			X		
	Inspections					
	Sanitary Surveys			X	X	
	Compliance Activities		X		X	
	Enforcement			X	X	
Capacity Development	Capacity Development Program				X	
	Technical				X	
	Managerial				X	
	Financial				X	
General Activities	Public Education/Outreach					
	Operator Certification				X	
	Other System Training		See comment 1			
	Circuit Riding/Site Visits		See comment 2		X	
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)				X	
	Leak Detection/Water Efficiency/ Energy Efficiency					
	System Partnerships					
	Restructuring/Consolidation				X	
	Small System Assistance		See comment 3		X	
	Disadvantaged System Assistance					
	Other Technical Assistance				X	
DWSRF Help	Loan Application Assistance		X			
	Planning/Design/Engineering Services					
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt					
	Wellhead Protection & Mgmt					
	Land Acquisition					
Other				Equipment, instrumentation		

DWSRF Set-Aside Spending Louisiana	
Comments	
1	Louisiana is addressing the prevention of bacteriological MCL violations by holding quarterly Safe Drinking Water Compliance Training Schools.
2	On-site visits with the owners/operators of systems experiencing compliance problems.
3	Review of source water problems and drinking water needs; identification and evaluation of technical options.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)				Local Assistance & other State Programs (15% Set-Aside)		
State:	Maine									
IUP: 2008		Financial Information: Set-aside: \$3.65 m (3.7%) Expended: \$3.21 m (88.0%) Remaining: \$0.23 m (6.3%)	Financial Information: Set-aside: \$1.75 m (1.8%) Expended: \$1.39 m (79.7%) Remaining: \$0.35 m (20.0%)	Financial Information: Set-aside: \$8.36 m (8.4%) Expended: \$7.15 m (85.5%) Remaining: \$1.21 m (14.5%)				Financial Information: Set-aside: \$7.54 m (7.6%) Expended: \$7.03 m (93.2%) Remaining: \$0.51 m (6.8%)		
Governor's Report: 2008										
		General	General	Effort: PWSS	Effort: Source Water Protection	Effort: Capacity Development	Effort: Operator Certification	Effort: Land Acquisition	Effort: Wellhead Protection	Effort: Capacity Development
State Program	Staff	X	See comment 1	X	X		0.5 FTE		Full time position for well approval process	X
	General Drinking Water Admin.			X						
	DWSRF Administration	X								
	Data Management								X	
	Inspections					X				
	Sanitary Surveys					X				
	Compliance Activities					X				
	Enforcement									
Capacity Development	Capacity Development Program					X				0.5 FTE
	Technical					X				X
	Managerial					X				X
	Financial					X				X
General Activities	Public Education/Outreach					X			See comment 2	
	Operator Certification					X	X			0.5 FTE
	Other System Training		Train operators			X				X
	Circuit Riding/Site Visits		2 MRWA circuit riders							X
	Rate Studies					X				
	Pilot Studies									
	Plant Optimization (AWOP)									
	Leak Detection/Water Efficiency/Energy Efficiency									
	System Partnerships									
	Restructuring/Consolidation					X				X
	Small System Assistance		On-site technical assistance							
	Disadvantaged System Assistance									
	Other Technical Assistance				X	X				
DWSRF Help	Loan Application Assistance									
	Planning/Design/Engineering Services									X
Security Issues	ERP Assistance									X
	VA Assistance									X
SWP Efforts	Source Water Protection & Mgmt				X	X				
	Wellhead Protection & Mgmt								X	
	Land Acquisition				X	X		X		
Other									Wellhead Protection Planning Grants	See comment 3

DWSRF Set-Aside Spending Maine	
Comments	
1	2 FTEs: Water Quality Specialist circuit riders from Maine RWA (MRWA).
2	Newsletter; school awareness outreach and contracts to encourage planning and implementation of source protection.
3	Capacity development grants of no more than \$10,000 for professional services.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Maryland				
IUP: 2008		Financial Information: Set-aside: \$3.88 m (3.7%)	Financial Information: Set-aside: \$1.71 m (1.6%)	Financial Information: Set-aside: \$7.85 m (7.5%)	Financial Information: Set-aside: \$9.32 m (8.8%)
Governor's Report: 2008		Expended: \$3.69 m (95.0%) Remaining: \$0.19 m (4.9%)	Expended: \$1.71 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$7.30 m (92.9%) Remaining: \$0.56 m (7.1%)	Expended: \$8.61 m (92.4%) Remaining: \$0.71 m (7.6%)
		General	General	No set-aside-specific information provided in state report	Capacity Development
State Program	Staff	X			X
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections				
	Sanitary Surveys				X
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program				
	Technical				
	Managerial				
	Financial				
General Activities	Public Education/Outreach				
	Operator Certification				X
	Other System Training				
	Circuit Riding/Site Visits				
	Rate Studies				X
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		X
	Disadvantaged System Assistance				
	Other Technical Assistance				X
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				X
Security Issues	ERP Assistance				X
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)				Local Assistance & other State Programs (15% Set-Aside)	
State:	Massachusetts								
IUP: 2008		Financial Information: Set-aside: \$11.31 m (4.2%) Expended: \$11.19 m (99.0%) Remaining: \$0.11 m (1.0%)	Financial Information: Set-aside: \$5.69 m (2.1%) Expended: \$5.25 m (92.4%) Remaining: \$0.43 m (7.6%)	Financial Information: Set-aside: \$22.47 m (8.3%) Expended: \$19.15 m (85.2%) Remaining: \$3.32 m (14.8%)					Financial Information: Set-aside: \$19.14 m (7.1%) Expended: \$14.68 m (76.7%) Remaining: \$4.45 m (23.2%)
Governor's Report: N/A									
		General	General	Effort: Capacity Development, Documentation	Effort: Source Water Protection Activities (UIC program)	Effort: PWSS program	Effort: Operator Certification	Effort: Wellhead Protection	Effort: Capacity Implementation
State Program	Staff	8 FTEs	3 FTEs	5 FTEs	3 FTEs	13 FTEs	1 FTE	X	X
	General Drinking Water Admin.					X	X	UIC program coordination	
	DWSRF Administration	X				X	X		
	Data Management					X		X	
	Inspections								
	Sanitary Surveys		X	X	See comment 1				
	Compliance Activities		X			X			X
	Enforcement					X			
Capacity Development	Capacity Development Program		X	X					Capacity Development grant program
	Technical			X					
	Managerial			X					
	Financial			X					
General Activities	Public Education/Outreach		Consumer outreach reporting			X		X	
	Operator Certification		X			X	X		
	Other System Training		Group training for small PWSs			X			
	Circuit Riding/Site Visits		One-on-one site visits						
	Rate Studies								
	Pilot Studies								
	Plant Optimization (AWOP)								
	Leak Detection/Water Efficiency/Energy Efficiency	X						Water conservation capacity improvement grant program	
	System Partnerships								
	Restructuring/Consolidation								
	Small System Assistance		Financial planning, cross connections, sample collection		Training specifically for small system operators				
	Disadvantaged System Assistance								
	Other Technical Assistance		Groundwater under the influence evaluations		X	X		X	X
DWSRF Help	Loan Application Assistance	X	X						
	Planning/Design/Engineering Services		X		X	X			
Security Issues	ERP Assistance				X				
	VA Assistance								
SWP Efforts	Source Water Protection & Mgmt	X	Source and distribution protection training		X			X	
	Wellhead Protection & Mgmt							X	X
	Land Acquisition								
Other			CPEs for surface water treatment plants		Legal assistance				

DWSRF Set-Aside Spending Massachusetts	
Comments	
1	Capacity development efforts integrated with sanitary survey process.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)		Local Assistance & other State Programs (15% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)
State:	Michigan							
IUP: 2008		Financial Information: Set-aside: \$14.67 m (4.0%)	Financial Information: Set-aside: \$4.65 m (1.3%)		Financial Information: Set-aside: \$13.75 m (3.7%)			Financial Information: Set-aside: \$16.83 m (4.6%)
Governor's Report: 2008		Expended: \$10.71 m (73.0%) Remaining: \$3.96 m (27.0%)	Expended: \$2.65 m (57.0%) Remaining: \$2.00 m (43.0%)		Expended: \$9.69 m (70.5%) Remaining: \$4.06 m (29.5%)			Expended: \$14.61 m (86.8%) Remaining: \$2.23 m (13.2%)
		General	Effort: Critical Contaminants	Effort: Arsenic-Related Efforts	Effort: Capacity Development	Effort: Source Water Protection	Effort: Operator Certification	Effort: Wellhead Protection
State Program	Staff	X			X	See comment 2	5 FTEs: program administration	2.5 FTEs: program administration and support
	General Drinking Water Admin.							
	DWSRF Administration	Will use full 4% to administer fund						
	Data Management		X		X	See comment 3	See comment 9	Database enhancements and maintenance
	Inspections							
	Sanitary Surveys				X			
	Compliance Activities			X				
	Enforcement				X	X		
Capacity Development	Capacity Development Program				See comment 1			
	Technical							
	Managerial							
	Financial				X			
General Activities	Public Education/Outreach				Quarterly newsletter	X		X
	Operator Certification				X			
	Other System Training				X	See comment 4	Training, development for operators/systems	X
	Circuit Riding/Site Visits				X			
	Rate Studies							
	Pilot Studies					See comment 5		Contract to develop probabilistic wellhead delineation model
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency							
	System Partnerships							
	Restructuring/Consolidation				X			
	Small System Assistance			X				See comment 10
	Disadvantaged System Assistance		X		X			
	Other Technical Assistance				X	See comment 6		
DWSRF Help	Loan Application Assistance							
	Planning/Design/Engineering Services				X			
Security Issues	ERP Assistance				X			
	VA Assistance				X			
SWP Efforts	Source Water Protection & Mgmt				X	See comment 7		
	Wellhead Protection & Mgmt				X	See comment 8		See comment 11
	Land Acquisition							
Other						Grants for AWM Program	X	Wellhead protection grants

DWSRF Set-Aside Spending Michigan	
Comments	
1	Capacity assessment criteria applied to new CWSs and NTNCWSs, and certain existing systems.
2	1.75 FTEs: Abandoned Well Management (AWM) Program, Wellogic data administration, and SWP Program; 4.6 FTEs: On-site Wastewater Program.
3	Develop and administer online Wellogic data management system for active and abandoned wells; data management support services.
4	AWM Program training; training on well plugging requirements.
5	Special pilot projects to explore abandoned well management.
6	65 state matching grants to help locate and plug abandoned wells inside WHP areas; assistance to local departments of health on AWM Program; plugging requirements.
7	Source Water Protection Program serving 70 communities.
8	Statewide AWM Program.
9	Database system in place with Operator Training and Certification Unit; recordkeeping and compliance tracking.
10	Modeling with existing databases to help smaller communities cost-effectively initiate WHP efforts.
11	Cost-sharing (matching grants) with local suppliers for WHP.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Minnesota				
IUP: 2008		Financial Information: Set-aside: \$7.39 m (4.0%)	Financial Information: Set-aside: \$2.52 m (1.3%)	Financial Information: Set-aside: \$7.33 m (3.9%)	Financial Information: Set-aside: \$14.03 m (7.5%)
Governor's Report: 2008		Expended: \$6.01 m (81.4%) Remaining: \$1.38 m (18.7%)	Expended: \$1.95 m (77.5%) Remaining: \$0.57 m (22.6%)	Expended: \$4.77 m (65.1%) Remaining: \$2.55 m (34.8%)	Expended: \$12.30 m (87.7%) Remaining: \$1.73 m (12.3%)
		General	General	General	No set-aside-specific information provided in state report
State Program	Staff	X			
	General Drinking Water Admin.			X	
	DWSRF Administration	X			
	Data Management			X	
	Inspections				
	Sanitary Surveys			X	
	Compliance Activities			X	
	Enforcement				
Capacity Development	Capacity Development Program				
	Technical				
	Managerial				
	Financial				
General Activities	Public Education/Outreach				
	Operator Certification			X	
	Other System Training			X	
	Circuit Riding/Site Visits			X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance		X		
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services			X	
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	
	Wellhead Protection & Mgmt			X	
	Land Acquisition				
Other				CCR assistance	

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Mississippi				
IUP: 2008		Financial Information: Set-aside: \$3.70 m (3.7%)	Financial Information: Set-aside: \$2.01 m (2.0%)	Financial Information: Set-aside: \$5.22 m (5.2%)	Financial Information: Set-aside: \$1.65 m (1.6%)
Governor's Report: 2008		Expended: \$2.84 m (76.6%) Remaining: \$0.87 m (23.5%)	Expended: \$1.89 m (93.8%) Remaining: \$0.13 m (6.5%)	Expended: \$4.15 m (79.6%) Remaining: \$1.07 m (20.5%)	Expended: \$1.42 m (86.0%) Remaining: \$0.23 m (14.0%)
		General	General	General	No set-aside-specific information provided in state report
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections		X		
	Sanitary Surveys			X	
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program			X	
	Technical			X	
	Managerial			X	
	Financial			X	
General Activities	Public Education/Outreach				
	Operator Certification				
	Other System Training		Board management training for water system officials, hands-on operator training		
	Circuit Riding/Site Visits		On-site technical assistance		
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships		X		
	Restructuring/Consolidation				
	Small System Assistance		Long-term technical assistance provided through contract arrangement		
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Missouri				
IUP: 2008		Financial Information: Set-aside: \$4.98 m (4.0%)	Financial Information: Set-aside: \$2.51 m (2.0%)	Financial Information: Set-aside: \$11.50 m (9.2%)	Financial Information: Set-aside: \$6.19 m (4.9%)
Governor's Report: 2008		Expended: \$4.31 m (86.6%) Remaining: \$0.67 m (13.5%)	Expended: \$1.75 m (69.7%) Remaining: \$0.76 m (30.3%)	Expended: \$11.12 m (96.7%) Remaining: \$0.36 m (3.1%)	Expended: \$3.86 m (62.3%) Remaining: \$2.34 m (37.8%)
		General	General	Effort #1: PWSS	Capacity Development and Wellhead Protection
State Program	Staff	X	X	X	X
	General Drinking Water Admin.			Permitting	
	DWSRF Administration	X			
	Data Management			Information management systems	
	Inspections				X
	Sanitary Surveys				X
	Compliance Activities		Existing and near-term SDWA requirements		
	Enforcement			X	
Capacity Development	Capacity Development Program		X	X	X
	Technical		X		X
	Managerial		X		X
	Financial		X		X
General Activities	Public Education/Outreach				
	Operator Certification			X	X
	Other System Training				X
	Circuit Riding/Site Visits		X		X
	Rate Studies				X
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance				X
DWSRF Help	Loan Application Assistance	X			X
	Planning/Design/Engineering Services	Project review and approvals		Emergency preparedness	X
Security Issues	ERP Assistance				X
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	X
	Wellhead Protection & Mgmt				X
	Land Acquisition				X
Other		Staff training; equipment		Consumer confidence report	

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Montana				
IUP: 2008		Financial Information: Set-aside: \$4.09 m (4.0%)	Financial Information: Set-aside: \$1.18 m (1.2%)	Financial Information: Set-aside: \$6.33 m (6.2%)	Financial Information: Set-aside: \$1.79 m (1.8%)
Governor's Report: 2008		Expended: \$3.75 m (91.8%) Remaining: \$0.34 m (8.3%)	Expended: \$1.08 m (91.6%) Remaining: \$0.10 m (8.5%)	Expended: \$5.24 m (82.8%) Remaining: \$1.09 m (17.2%)	Expended: \$1.71 m (95.6%) Remaining: \$0.08 m (4.5%)
		General	General	General	Effort: Capacity Development
State Program	Staff	X	Contracts	X	
	General Drinking Water Admin.	X		Maintain Internet page related to SWP	
	DWSRF Administration	X			
	Data Management			X	
	Inspections				X
	Sanitary Surveys			Verify potential contaminant source inventory	
	Compliance Activities				X
	Enforcement				
Capacity Development	Capacity Development Program			X	X
	Technical			X	X
	Managerial			X	X
	Financial			X	X
General Activities	Public Education/Outreach			Education about SWP, groundwater and wastewater O&M workshops	X
	Operator Certification			X	X
	Other System Training		Operator training	Source water delineation and source water assessment reports to develop source water protection plans	
	Circuit Riding/Site Visits		See comment 1	X	X
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance		X	Support to non-profit technical assistance providers	
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services	X			
Security Issues	ERP Assistance				X
	VA Assistance				X
SWP Efforts	Source Water Protection & Mgmt		X	Source water assessment reports for new sources	X
	Wellhead Protection & Mgmt			X	
	Land Acquisition				
Other			Annual evaluation of the program		

DWSRF Set-Aside Spending Montana	
Comments	
1	Provide on-site assistance to address source water problems, treatment, pumping, storage, and distribution system.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Nebraska				
IUP: 2008		Financial Information: Set-aside: \$2.36 m (2.4%)	Financial Information: Set-aside: \$1.84 m (1.8%)	Financial Information: Set-aside: \$3.48 m (3.5%)	Financial Information: Set-aside: \$4.88 m (4.9%)
Governor's Report: 2008		Expended: \$2.24 m (94.8%) Remaining: \$0.12 m (5.1%)	Expended: \$1.41 m (76.7%) Remaining: \$0.43 m (23.4%)	Expended: \$3.45 m (99.1%) Remaining: \$0.03 m (0.9%)	Expended: \$2.49 m (51.0%) Remaining: \$2.39 m (49.0%)
		No set-aside-specific information provided in state report	General	No set-aside-specific information provided in state report	General
State Program	Staff		Contractual assistance		
	General Drinking Water Admin.				X
	DWSRF Administration				
	Data Management		X		
	Inspections				
	Sanitary Surveys		X		
	Compliance Activities		X		
	Enforcement				
Capacity Development	Capacity Development Program				
	Technical				
	Managerial				
	Financial				
General Activities	Public Education/Outreach		X		
	Operator Certification		X		
	Other System Training		X		
	Circuit Riding/Site Visits		X		
	Rate Studies		X		
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships		X		
	Restructuring/Consolidation		X		
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				X
Security Issues	ERP Assistance		X		
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				X
	Wellhead Protection & Mgmt		X		Wellhead Protection Grants
	Land Acquisition				
Other					Security Grants

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)		Local Assistance & other State Programs (15% Set-Aside)	
State:	Nevada						
IUP: 2008		Financial Information: Set-aside: \$4.00 m (4.8%)	Financial Information: Set-aside: \$1.97 m (2.4%)	Financial Information: Set-aside: \$7.17 m (8.6%)		Financial Information: Set-aside: \$6.86 m (8.2%)	
Governor's Report: 2008		Expended: \$2.86 m (71.6%) Remaining: \$1.14 m (28.5%)	Expended: \$1.48 m (75.0%) Remaining: \$0.52 m (26.4%)	Expended: \$6.39 m (89.1%) Remaining: \$0.78 m (10.9%)		Expended: \$6.08 m (88.7%) Remaining: \$0.78 m (11.4%)	
		General	General	Effort: PWSS Program	Effort: Capacity Development	Effort: Capacity Development	Effort: Source Water Assessment Program
State Program	Staff	X		X			
	General Drinking Water Admin.						
	DWSRF Administration	X					
	Data Management			X	X		
	Inspections						
	Sanitary Surveys						
	Compliance Activities		X				
	Enforcement						
Capacity Development	Capacity Development Program		X		X	X	
	Technical		X		X	X	
	Managerial		X		X	X	
	Financial		X		X	X	
General Activities	Public Education/Outreach			X			X
	Operator Certification			X			
	Other System Training		Identification of special needs, funding assistance		X	X	
	Circuit Riding/Site Visits						
	Rate Studies		X		X		
	Pilot Studies						
	Plant Optimization (AWOP)						
	Leak Detection/Water Efficiency/Energy Efficiency				X		
	System Partnerships						
	Restructuring/Consolidation						
	Small System Assistance						
	Disadvantaged System Assistance				X		
	Other Technical Assistance		Identify needed maintenance or infrastructure, O&M		X	Assist with asset management	
DWSRF Help	Loan Application Assistance						
	Planning/Design/Engineering Services		Engineering reviews				
Security Issues	ERP Assistance		X				
	VA Assistance						
SWP Efforts	Source Water Protection & Mgmt		X				X
	Wellhead Protection & Mgmt				X		X
	Land Acquisition						
Other						Publish quarterly newsletter	

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	New Hampshire				
IUP: 2008		Financial Information: Set-aside: \$3.12 m (3.4%)	Financial Information: Set-aside: \$1.86 m (2.0%)	Financial Information: Set-aside: \$6.02 m (6.5%)	Financial Information: Set-aside: \$10.54 m (11.3%)
Governor's Report: 2008		Expended: \$3.10 m (99.1%) Remaining: \$0.03 m (1.0%)	Expended: \$1.64 m (88.3%) Remaining: \$0.22 m (11.8%)	Expended: \$5.76 m (95.7%) Remaining: \$0.26 m (4.3%)	Expended: \$9.10 m (86.4%) Remaining: \$1.43 m (13.6%)
		General	General	General	General
State Program	Staff	X	X	X	X
	General Drinking Water Admin.			X	
	DWSRF Administration	X	X	X	
	Data Management			X	X
	Inspections			X	
	Sanitary Surveys			X	
	Compliance Activities		X	X	
	Enforcement			X	
Capacity Development	Capacity Development Program		X	X	X
	Technical		X	X	X
	Managerial		X	X	X
	Financial		X	X	X
General Activities	Public Education/Outreach		X	X	
	Operator Certification			X	
	Other System Training		X	X	
	Circuit Riding/Site Visits			X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency		X	X	
	System Partnerships				
	Restructuring/Consolidation			X	
	Small System Assistance		X	X	X
	Disadvantaged System Assistance				
	Other Technical Assistance			X	X
DWSRF Help	Loan Application Assistance		X		
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance			X	X
	VA Assistance			X	X
SWP Efforts	Source Water Protection & Mgmt			X	X
	Wellhead Protection & Mgmt				X
	Land Acquisition			X	X
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)
State:	New Jersey						
IUP: 2008		Financial Information: Set-aside: \$8.52 m (4%)	Financial Information: Set-aside: \$3.62 m (1.7%)	Financial Information: Set-aside: \$14.55 m (6.8%)			Financial Information: Set-aside: \$2.79 m (1.3%)
Governor's Report: 2008		Expended: \$8.52 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$3.29 m (90.9%) Remaining: \$0.33 m (9.1%)	Expended: \$12.97 m (89.2%) Remaining: \$1.58 m (10.1%)			Expended: \$2.79 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	General	Effort: PWSS	Effort: Source Water Program	Effort: Capacity Development	No set-aside-specific information provided in state report
State Program	Staff	6 FTE	3 FTE	X	X	X	
	General Drinking Water Admin.						
	DWSRF Administration	X				X	
	Data Management	X		X		X	
	Inspections						
	Sanitary Surveys						
	Compliance Activities		X				
	Enforcement					X	
Capacity Development	Capacity Development Program					X	
	Technical					X	
	Managerial					X	
	Financial					X	
General Activities	Public Education/Outreach	X		X	X		
	Operator Certification					X	
	Other System Training		Contract with NJWA				
	Circuit Riding/Site Visits		X			X	
	Rate Studies					X	
	Pilot Studies						
	Plant Optimization (AWOP)						
	Leak Detection/Water Efficiency/Energy Efficiency					X	
	System Partnerships						
	Restructuring/Consolidation						
	Small System Assistance					X	
	Disadvantaged System Assistance						
	Other Technical Assistance					X	
DWSRF Help	Loan Application Assistance		Contract with NJWA			X	
	Planning/Design/Engineering Services		X				
Security Issues	ERP Assistance						
	VA Assistance						
SWP Efforts	Source Water Protection & Mgmt				X		
	Wellhead Protection & Mgmt						
	Land Acquisition						
Other			Sampling for small systems; completion of CCRs (contract with NJWA)	See comment 1		CCR assistance	

DWSRF Set-Aside Spending New Jersey	
Comments	
1	Multi-media Mitigation Radon Program efforts; special purpose sampling.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	New Mexico					
IUP: 2008		Financial Information: Set-aside: \$3.35 m (4.0%)	Financial Information: Set-aside: \$1.68 m (2.0%)	Financial Information: Set-aside: \$8.38 m (10.0%)	Financial Information: Set-aside: \$12.56 m (15.0%)	
Governor's Report: 2008		Expended: \$3.15 m (93.9%) Remaining: \$0.20 m (6.0%)	Expended: \$1.57 m (94.0%) Remaining: \$0.10 m (6.0%)	Expended: \$7.77 m (92.8%) Remaining: \$0.61 m (7.3%)	Expended: \$11.97 m (95.3%) Remaining: \$0.59 m (4.7%)	
		General	General	General	Effort: SWAPP	Effort: Capacity Development
State Program	Staff	3.25 FTE	X		X	X
	General Drinking Water Admin.					
	DWSRF Administration	X				
	Data Management					
	Inspections					
	Sanitary Surveys			X	X	X
	Compliance Activities		X	X		X
	Enforcement		X	X		X
Capacity Development	Capacity Development Program			X		X
	Technical			X		X
	Managerial			X		X
	Financial			X		X
General Activities	Public Education/Outreach			X		See comment 1
	Operator Certification			X		X
	Other System Training		X			X
	Circuit Riding/Site Visits					X
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)			X		X
	Leak Detection/Water Efficiency/Energy Efficiency					
	System Partnerships					X
	Restructuring/Consolidation					X
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance		Oversight staff			X
DWSRF Help	Loan Application Assistance					X
	Planning/Design/Engineering Services					X
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt			X	X	X
	Wellhead Protection & Mgmt				X	
	Land Acquisition					
Other					GWUDI program	

DWSRF Set-Aside Spending New Mexico	
Comments	
1	Develop public outreach; literature and events about regulations and the Capacity Development Program.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	New York				
IUP: 2008		Financial Information: Set-aside: \$20.47 m (3.6%)	Financial Information: Set-aside: \$10.24 m (1.8%)	Financial Information: Set-aside: \$22.45 m (3.9%)	Financial Information: Set-aside: \$5.92 m (1.0%)
Governor's Report: 2008		Expended: \$22.63 m (110.5%) Remaining: \$-2.15 m (-10.5%)	Expended: \$11.14 m (108.8%) Remaining: \$-0.90 m (-8.8%)	Expended: \$16.82 m (74.9%) Remaining: \$5.63 m (25.1%)	Expended: \$5.92 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	General	General	No set-aside-specific information provided in state report
State Program	Staff	X		X	
	General Drinking Water Admin.	X			
	DWSRF Administration	X			
	Data Management	X		X	
	Inspections	X		Security inspections	
	Sanitary Surveys			X	
	Compliance Activities			X	
	Enforcement			X	
Capacity Development	Capacity Development Program			X	
	Technical			X	
	Managerial			X	
	Financial			X	
General Activities	Public Education/Outreach	X	X	X	
	Operator Certification			X	
	Other System Training		Training and support of local health unit staff	X	
	Circuit Riding/Site Visits		Oversee contract providing circuit rider support to small systems		
	Rate Studies		X		
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency		X		
	System Partnerships				
	Restructuring/Consolidation		X		
	Small System Assistance		X	X	
	Disadvantaged System Assistance				
	Other Technical Assistance		Comprehensive Performance Evaluation Program	X	
DWSRF Help	Loan Application Assistance		X		
	Planning/Design/Engineering Services			X	
Security Issues	ERP Assistance		X	X	
	VA Assistance		X	X	
SWP Efforts	Source Water Protection & Mgmt			X	
	Wellhead Protection & Mgmt			X	
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)	
State:	North Carolina							
IUP: 2008		Financial Information: Set-aside: \$7.42 m (4.0%)	Financial Information: Set-aside: \$3.71 m (2.0%)	Financial Information: Set-aside: \$15.19 m (8.2%)			Financial Information: Set-aside: \$17.23 m (9.3%)	
Governor's Report: 2008		Expended: \$5.35 m (72.1%) Remaining: \$2.07 m (27.9%)	Expended: \$2.69 m (72.5%) Remaining: \$1.02 m (27.5%)	Expended: \$10.98 m (72.3%) Remaining: \$4.21 m (27.7%)			Expended: \$8.11 m (47.1%) Remaining: \$9.12 m (52.9%)	
		General	General	Effort: PWSS	Effort: Source Water Program	Effort: Capacity Development	Effort: Wellhead Protection	Effort: Capacity Development
State Program	Staff	X	4 FTEs		1 FTE	X	X	X
	General Drinking Water Admin.			X		X		
	DWSRF Administration	X						
	Data Management	X				X	See comment 3	
	Inspections		Inspect systems for compliance			X		
	Sanitary Surveys					X		
	Compliance Activities		See comment 1			Identify SNCs		
	Enforcement					X		
Capacity Development	Capacity Development Program	X	X			X		X
	Technical					Operation consultation		X
	Managerial							X
	Financial					Cost-planning consultation		X
General Activities	Public Education/Outreach				X	X	X	
	Operator Certification		X			X		
	Other System Training			X		X		
	Circuit Riding/Site Visits		X			X		
	Rate Studies					X		
	Pilot Studies		X					
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency					X		
	System Partnerships							
	Restructuring/Consolidation					X		
	Small System Assistance	X				X	X	
	Disadvantaged System Assistance					X		
	Other Technical Assistance		X	X		X	On-site technical assistance by NCRWA	
DWSRF Help	Loan Application Assistance	X						
	Planning/Design/Engineering Services		Sample siting plans	X				
Security Issues	ERP Assistance		See comment 2			X		
	VA Assistance							
SWP Efforts	Source Water Protection & Mgmt	X	Assist with SWP activities	X	X	X	X	
	Wellhead Protection & Mgmt					X	X	
	Land Acquisition					X	X	
Other								

DWSRF Set-Aside Spending North Carolina	
Comments	
1	Investigate MCL exceedances; identify corrective actions.
2	Provide water system security assistance.
3	Software and hardware upgrades; maintenance of computer applications; data conversion; GPS/GIS work; data management.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	North Dakota				
IUP: 2008		Financial Information: Set-aside: \$4.00 m (4.0%)	Financial Information: Set-aside: \$1.68 m (1.7%)	Financial Information: Set-aside: \$0.20 m (0.2%)	Financial Information: Set-aside: \$0.44 m (0.4%)
Governor's Report: 2008		Expended: \$3.19 m (79.8%) Remaining: \$0.81 m (20.2%)	Expended: \$1.46 m (86.8%) Remaining: \$0.22 m (13.1%)	Expended: \$0.00 m (0.0%) Remaining: \$0.2 m (100.0%)	Expended: \$0.44 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	Capacity Development	No set-aside-specific information provided in state report	No set-aside-specific information provided in state report
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections		X		
	Sanitary Surveys				
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program		X		
	Technical				
	Managerial				
	Financial				
General Activities	Public Education/Outreach				
	Operator Certification		X		
	Other System Training		X		
	Circuit Riding/Site Visits				
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance				
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt		X		
	Wellhead Protection & Mgmt		X		
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Ohio				
IUP: 2008		Financial Information: Set-aside: \$11.54 m (4.0%)	Financial Information: Set-aside: \$5.33 m (1.8%)	Financial Information: Set-aside: \$0.00 m (0.0%)	Financial Information: Set-aside: \$16.58 m (5.7%)
Governor's Report: 2008		Expended: \$8.20 m (71.1%) Remaining: \$3.34 m (28.9%)	Expended: \$3.68 m (69.1%) Remaining: \$1.65 m (31.0%)	Expended: \$0.00 m (0.0%) Remaining: \$0.00 m (0.0%)	Expended: \$12.76 m (77.0%) Remaining: \$3.82 m (23.0%)
		General	General	No set-aside-specific information provided in state report	General
State Program	Staff	X			12 FTEs
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				X
	Inspections				
	Sanitary Surveys				X
	Compliance Activities		X		X
	Enforcement				X
Capacity Development	Capacity Development Program		Capability training		X
	Technical		X		X
	Managerial		X		X
	Financial		X		X
General Activities	Public Education/Outreach				Public outreach and education; disseminate results of assessments via secure Web site
	Operator Certification				X
	Other System Training		X		See comment 1
	Circuit Riding/Site Visits		X		
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				X
	Restructuring/Consolidation				X
	Small System Assistance		X		General program support
	Disadvantaged System Assistance				
	Other Technical Assistance		X		See comment 2
DWSRF Help	Loan Application Assistance		X		
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance				X
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				See comment 3
	Wellhead Protection & Mgmt				X
	Land Acquisition				
Other					Source water assessments

DWSRF Set-Aside Spending Ohio	
Comments	
1	Direct technical assistance, up to 10 source water protection workshops.
2	Help develop and implement protection strategies.
3	Delineate drinking water source protection areas; contaminant source inventories; susceptibility analyses.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Oklahoma				
IUP: 2008		Financial Information: Set-aside: \$4.32 m (3.1%)	Financial Information: Set-aside: \$2.07 m (1.5%)	Financial Information: Set-aside: \$7.64 m (5.5%)	Financial Information: Set-aside: \$7.87 m (5.7%)
Governor's Report: 2008		Expended: \$4.23 m (97.7%) Remaining: \$0.10 m (2.3%)	Expended: \$2.01 m (97.0%) Remaining: \$0.75 m (36.2%)	Expended: \$7.48 m (97.9%) Remaining: \$0.16 m (2.1%)	Expended: \$7.55 m (95.9%) Remaining: \$0.32 m (4.1%)
		General	General	PWSS	Effort: Wellhead Protection Program
State Program	Staff	X		X	X
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections				
	Sanitary Surveys			X	X
	Compliance Activities		X	X	X
	Enforcement			X	X
Capacity Development	Capacity Development Program		X	X	X
	Technical		X	X	X
	Managerial		X	X	X
	Financial		X	X	X
General Activities	Public Education/Outreach				
	Operator Certification			X	X
	Other System Training		Increase knowledge of board members	X	X
	Circuit Riding/Site Visits				
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)			X	
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance			X	
	Disadvantaged System Assistance				
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services			X	X
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	X
	Wellhead Protection & Mgmt				Calculate system's susceptibility
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)		
State:	Oregon						
IUP: 2008		Financial Information: Set-aside: \$5.71 m (3.9%) Expended: \$4.41 m (77.3%) Remaining: \$1.30 m (22.8%)	Financial Information: Set-aside: \$1.89 m (1.3%) Expended: \$0.79 m (42.0%) Remaining: \$1.86 m (98.4%)	Financial Information: Set-aside: \$5.82 m (4.0%) Expended: \$5.74 m (98.6%) Remaining: \$0.08 m (1.4%)	Financial Information: Set-aside: \$17.82 m (12.3%) Expended: \$4.04 m (22.7%) Remaining: \$13.78 m (77.3%)		
Governor's Report: N/A							
		General	General	Effort: State and County Program Support	Effort: Source Water Protection Program	Effort: Water System Capacity Program	Effort: SWP Loans
State Program	Staff	0.75 FTE	0.25 FTE	9 FTEs	3.5 FTEs	2 FTEs	
	General Drinking Water Admin.			Augment PWSS activities			
	DWSRF Administration	X					
	Data Management				Place source water assessment information into GIS database		
	Inspections			Investigating water quality alerts			
	Sanitary Surveys			X			
	Compliance Activities	X	X	Investigating and resolving SNCs by returning them to compliance		Work with SNCs	
	Enforcement						
Capacity Development	Capacity Development Program					X	
	Technical					X	
	Managerial					X	
	Financial					X	
General Activities	Public Education/Outreach					X	
	Operator Certification						
	Other System Training		X	X	X	X	
	Circuit Riding/Site Visits						
	Rate Studies						
	Pilot Studies						
	Plant Optimization (AWOP)					X	
	Leak Detection/Water Efficiency/Energy Efficiency						
	System Partnerships					Large systems provide technical assistance to smaller systems	
	Restructuring/Consolidation						
	Small System Assistance		X	X			
	Disadvantaged System Assistance						
	Other Technical Assistance					Answer questions on operations and maintenance	
DWSRF Help	Loan Application Assistance		X				
	Planning/Design/Engineering Services			Review construction plans			
Security Issues	ERP Assistance			X			
	VA Assistance						
SWP Efforts	Source Water Protection & Mgmt				X		X
	Wellhead Protection & Mgmt				X		
	Land Acquisition						
Other							

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Pennsylvania					
IUP: 2008		Financial Information: Set-aside: \$11.24 m (4%)	Financial Information: Set-aside: \$4.53 m (1.6%)	Financial Information: Set-aside: \$22.65 m (8.1%)	Financial Information: Set-aside: \$33.98 m (12.1%)	
Governor's Report: 2008		Expended: \$9.38 m (83.5%) Remaining: \$1.86 m (16.5%)	Expended: \$4.53 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$15.85 m (70.0%) Remaining: \$6.80 m (30.0%)	Expended: \$24.48 m (72.0%) Remaining: \$9.50 m (28.0%)	
		General	Effort: Capability enhancement	Effort: Source Water Assessment and Protection	Effort: Source Water Protection Program	Effort: Capacity Development
State Program	Staff		X	X		X
	General Drinking Water Admin.					
	DWSRF Administration	X		X		
	Data Management			Pennsylvania Drinking Water Information System		X
	Inspections					
	Sanitary Surveys					
	Compliance Activities			X		
	Enforcement					
Capacity Development	Capacity Development Program		X	X		X
	Technical		X	X		X
	Managerial		X	X		X
	Financial		X	X		X
General Activities	Public Education/Outreach					X
	Operator Certification			Operator certification program compliance		X
	Other System Training			Web-based training course development, staff training conference		
	Circuit Riding/Site Visits					
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)			Optimization of publicly-owned treatment works	Distribution optimization program	X
	Leak Detection/Water Efficiency/Energy Efficiency					X
	System Partnerships					
	Restructuring/Consolidation					
	Small System Assistance		X			
	Disadvantaged System Assistance					
	Other Technical Assistance			Earthwise Academy, occurrence of unregulated contaminants		Drinking water protection initiative
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services					X
Security Issues	ERP Assistance					X
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt			X		X
	Wellhead Protection & Mgmt				X	
	Land Acquisition					
Other				PWSS lab support		

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Puerto Rico				
IUP: 2008		Financial Information: Set-aside: \$3.53 m (3.0%)	Financial Information: Set-aside: \$2.08 m (1.8%)	Financial Information: Set-aside: \$0.23 m (0.2%)	Financial Information: Set-aside: \$1.26 m (1.1%)
Governor's Report: N/A		Expended: \$2.76 m (78.2%) Remaining: \$0.77 m (21.8%)	Expended: \$1.27 m (61.3%) Remaining: \$0.80 m (38.5%)	Expended: \$0.23 m (100.0%) Remaining: \$0.00 m (0.0%)	Expended: \$1.26 m (100.0%) Remaining: \$0.00 m (0.0%)
		General	General	General	General
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management				
	Inspections				
	Sanitary Surveys				
	Compliance Activities				
	Enforcement				
Capacity Development	Capacity Development Program		X	X	X
	Technical			X	X
	Managerial			X	
	Financial			X	X
General Activities	Public Education/Outreach				
	Operator Certification			X	
	Other System Training		X	X	
	Circuit Riding/Site Visits		X		
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)		X		
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				X
	Other Technical Assistance				
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services	X			
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				X
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Rhode Island				
IUP: 2007		Financial Information: Set-aside: \$3.34 m (4.0%)	Financial Information: Set-aside: \$1.67 m (2.0%)	Financial Information: Set-aside: \$7.67 m (9.2%)	Financial Information: Set-aside: \$8.93 m (10.7%)
Governor's Report: 2008		Expended: \$0.65 m (19.4%) Remaining: \$2.70 m (80.1%)	Expended: \$0.95 m (56.5%) Remaining: \$0.73 m (43.7%)	Expended: \$6.00 m (78.3%) Remaining: \$1.67 m (21.8%)	Expended: \$6.12 m (68.5%) Remaining: \$2.81 m (31.5%)
		General	General	Effort: Capacity Development	Effort: Wellhead Protection Program
State Program	Staff	X		DOH quality control and assurance officer	
	General Drinking Water Admin.			X	
	DWSRF Administration	X		X	
	Data Management			Drinking water Web page	
	Inspections				
	Sanitary Surveys			X	
	Compliance Activities		X		
	Enforcement				
Capacity Development	Capacity Development Program			X	X
	Technical			X	
	Managerial			X	
	Financial			X	
General Activities	Public Education/Outreach		Assist in preparing Consumer Confidence Reports	X	
	Operator Certification		X	X	
	Other System Training		X		
	Circuit Riding/Site Visits			X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X		
	Disadvantaged System Assistance				
	Other Technical Assistance		X		
DWSRF Help	Loan Application Assistance		X	X	
	Planning/Design/Engineering Services			X	
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt			X	X
	Wellhead Protection & Mgmt				X
	Land Acquisition				
Other				Equipment purchase for drinking water analysis at DOH lab	

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	South Carolina					
IUP: 2008		Financial Information: Set-aside: \$3.85 m (4.3%)	Financial Information: Set-aside: \$1.59 m (1.8%)	Financial Information: Set-aside: \$1.91 m (2.2%)	Financial Information: Set-aside: \$1.88 m (2.1%)	
Governor's Report: 2008		Expended: \$2.60 m (67.5%) Remaining: \$1.25 m (32.5%)	Expended: \$1.22 m (76.3%) Remaining: \$0.38 m (23.9%)	Expended: \$1.25 m (65.2%) Remaining: \$0.67 m (35.1%)	Expended: \$1.64 m (86.9%) Remaining: \$0.25 m (13.3%)	
		General	General	No set-aside-specific information provided in state report	Effort: General	Effort: Wellhead Protection Program
State Program	Staff	X				
	General Drinking Water Admin.					
	DWSRF Administration	X				
	Data Management				See comment 1	
	Inspections					
	Sanitary Surveys		X			
	Compliance Activities		X		See comment 2	
	Enforcement					
Capacity Development	Capacity Development Program		X		X	
	Technical		X			
	Managerial		X			
	Financial		X			
General Activities	Public Education/Outreach				X	
	Operator Certification		X			
	Other System Training					
	Circuit Riding/Site Visits					
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)		X		X	X
	Leak Detection/Water Efficiency/Energy Efficiency					
	System Partnerships		X			
	Restructuring/Consolidation		X		X	
	Small System Assistance					
	Disadvantaged System Assistance					
	Other Technical Assistance					
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services				X	
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt					X
	Wellhead Protection & Mgmt					
	Land Acquisition					
Other						

DWSRF Set-Aside Spending South Carolina	
Comments	
1	Track compliance with Operating Permit requirements; new department-wide computer tracking system: EFIS.
2	Issue 150-200 Operating Permits annually until complete; track compliance; annual reports to EPA.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	South Dakota				
IUP: 2008		Financial Information: Set-aside: \$4.00 m (4.0%)	Financial Information: Set-aside: \$1.38 m (1.4%)	Financial Information: Set-aside: \$0.00 m (0.0%)	Financial Information: Set-aside: \$0.22 m (0.2%)
Governor's Report: 2008		Expended: \$3.04 m (75.9%) Remaining: \$0.96 m (24.0%)	Expended: \$1.03 m (74.2%) Remaining: \$0.36 m (26.1%)	Expended: \$0.00 m (0.0%) Remaining: \$0.00 m (0.0%)	Expended: \$0.20 m (90.0%) Remaining: \$0.02 m (9.1%)
		General	General	No set-aside-specific information provided in state report	No set-aside-specific information provided in state report
State Program	Staff	X			
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management		X		
	Inspections		X		
	Sanitary Surveys		X		
	Compliance Activities		Water Audits		
	Enforcement		X		
Capacity Development	Capacity Development Program		X		
	Technical		X		
	Managerial		X		
	Financial		X		
General Activities	Public Education/Outreach		Consumer Confidence Reporting Assistance		
	Operator Certification		X		
	Other System Training				
	Circuit Riding/Site Visits		X		
	Rate Studies		Rate Maker software rate analysis		
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency		X		
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance				
	Disadvantaged System Assistance				
	Other Technical Assistance		X		
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services		X		
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Tennessee				
IUP: 2008		Financial Information: Set-aside: \$4.05 m (3.9%)	Financial Information: Set-aside: \$2.02 m (2.0%)	Financial Information: Set-aside: \$10.14 m (9.8%)	Financial Information: Set-aside: \$4.04 m (3.9%)
Governor's Report: 2008		Expended: \$4.07 m (100.5%) Remaining: \$-0.02 m (-0.5%)	Expended: \$1.95 m (96.4%) Remaining: \$0.07 m (3.5%)	Expended: \$12.07 m (119.1%) Remaining: \$-1.93 m (-19.0%)	Expended: \$3.52 m (87.0%) Remaining: \$0.53 m (13.1%)
		General	General	General	Effort: Wellhead Protection
State Program	Staff	X		X	X
	General Drinking Water Admin.				
	DWSRF Administration	X			
	Data Management			X	
	Inspections			Complaint investigations	
	Sanitary Surveys			X	
	Compliance Activities		X	X	
	Enforcement			X	
Capacity Development	Capacity Development Program		X	X	
	Technical		X	X	
	Managerial		X	X	
	Financial		X	X	
General Activities	Public Education/Outreach			X	
	Operator Certification			X	
	Other System Training		X	X	
	Circuit Riding/Site Visits		X	X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance			X	
	Disadvantaged System Assistance				
	Other Technical Assistance		X	X	
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services			X	
Security Issues	ERP Assistance			X	
	VA Assistance			X	
SWP Efforts	Source Water Protection & Mgmt			X	
	Wellhead Protection & Mgmt				X
	Land Acquisition				
Other					Pharmaceutical and personal care product sampling

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)
State:	Texas						
IUP: 2008		Financial Information: Set-aside: \$19.24 m (2.8%) Expended: \$17.36 m (90.2%) Remaining: \$1.88 m (9.8%)	Financial Information: Set-aside: \$8.90 m (1.3%) Expended: \$4.08 m (45.8%) Remaining: \$4.82 m (54.1%)	Financial Information: Set-aside: \$58.73 m (8.6%) Expended: \$47.11 m (80.2%) Remaining: \$11.63 m (19.8%)			Financial Information: Set-aside: \$19.95 m (2.9%) Expended: \$8.64 m (43.3%) Remaining: \$11.32 m (56.7%)
Governor's Report: 2008							
		General	General	Effort: PWSS Program management	Effort: Source Water Protection	Effort: Capacity Development	No set-aside-specific information provided in state report
State Program	Staff	Contracts	Contracts				
	General Drinking Water Admin.	X					
	DWSRF Administration	X					
	Data Management	X		X		X	
	Inspections			X			
	Sanitary Surveys			X		X	
	Compliance Activities			X		X	
	Enforcement					X	
Capacity Development	Capacity Development Program					X	
	Technical					X	
	Managerial					X	
	Financial					X	
General Activities	Public Education/Outreach	X				X	
	Operator Certification					X	
	Other System Training					X	
	Circuit Riding/Site Visits			Investigate complaints of PWSs		X	
	Rate Studies					X	
	Pilot Studies						
	Plant Optimization (AWOP)					X	
	Leak Detection/Water Efficiency/Energy Efficiency	X				X	
	System Partnerships					X	
	Restructuring/Consolidation					X	
	Small System Assistance		X			X	
	Disadvantaged System Assistance					X	
	Other Technical Assistance	X	X		X	X	
DWSRF Help	Loan Application Assistance					X	
	Planning/Design/Engineering Services	X	X			X	
Security Issues	ERP Assistance		X			X	
	VA Assistance		X			X	
SWP Efforts	Source Water Protection & Mgmt				X	X	
	Wellhead Protection & Mgmt						
	Land Acquisition						
Other					See comment 1		

DWSRF Set-Aside Spending Texas	
Comments	
1	Enter into joint funding agreement with USGS to establish baseline pesticide levels in public drinking water sources.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)				Local Assistance & other State Programs (15% Set-Aside)
State:	Utah							
IUP: 2008		Financial Information: Set-aside: \$3.67 m (4.0%)	Financial Information: Set-aside: \$1.84 m (2.0%)	Financial Information: Set-aside: \$8.97 m (9.8%)				Financial Information: Set-aside: \$3.41 m (3.7%)
Governor's Report: 2008		Expended: \$2.46 m (67.1%) Remaining: \$1.21 m (33.0%)	Expended: \$1.71 m (93.2%) Remaining: \$0.12 m (6.5%)	Expended: \$7.10 m (79.2%) Remaining: \$1.87 m (20.8%)				Expended: \$2.96 m (86.9%) Remaining: \$0.45 m (13.2%)
		General	General	Effort: PWSS	Effort: Source Water Protection	Effort: Capacity Development	Effort: Operator Certification Program	General
State Program	Staff	4 to 5 FTEs		16 FTEs	1 FTE		1 FTE	3 FTEs
	General Drinking Water Admin.	X		X	X		X	
	DWSRF Administration	X						
	Data Management		X	X		X		
	Inspections							
	Sanitary Surveys			Contract with 12 local health departments		X		
	Compliance Activities		X	Compliance monitoring		X		
	Enforcement							
Capacity Development	Capacity Development Program		X			X		X
	Technical		X			X		
	Managerial		X			X		
	Financial		X			X		
General Activities	Public Education/Outreach		Quarterly newsletter; developing Consumer Confidence Reports					X
	Operator Certification					X	X	
	Other System Training		See comment 1			X		
	Circuit Riding/Site Visits		On-site assistance (including computer support) for systems serving <3,300					
	Rate Studies							
	Pilot Studies							
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency							
	System Partnerships							
	Restructuring/Consolidation					X		
	Small System Assistance					X		
	Disadvantaged System Assistance							
	Other Technical Assistance		See comment 2					
DWSRF Help	Loan Application Assistance		X					
	Planning/Design/Engineering Services		X	X		X		
Security Issues	ERP Assistance							
	VA Assistance							
SWP Efforts	Source Water Protection & Mgmt			X				X
	Wellhead Protection & Mgmt							X
	Land Acquisition							
Other			Financial and managerial audits for targeted systems					

DWSRF Set-Aside Spending Utah	
Comments	
1	Training for system boards and councils; computer training for water system personnel serving <3,300; help water system personnel understand and develop Consumer Confidence Reports; onsite training for systems.
2	Assist systems serving <10,000 in preparing management, conservation, financial, capital improvement, sampling, cross connection control plans, and financial/management audits.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)			
State:	Vermont							
IUP: 2008		Financial Information: Set-aside: \$3.67 m (4.1%)	Financial Information: Set-aside: \$1.84 m (2.0%)	Financial Information: Set-aside: \$7.53 m (8.4%)	Financial Information: Set-aside: \$6.90 m (7.7%)			
Governor's Report: 2005		Expended: \$3.34 m (91.0%) Remaining: \$0.33 m (9.0%)	Expended: \$1.32 m (72.1%) Remaining: \$0.51 m (27.7%)	Expended: \$5.39 m (71.5%) Remaining: \$2.15 m (28.6%)	Expended: \$5.75 m (83.4%) Remaining: \$1.15 m (16.7%)			
		General	General	General	Effort: Land Acquisition and Conservation Easement Loan Program	Effort: Voluntary Source Water Protection Loan Program	Effort: Wellhead Protection Program	Effort: Technical and Financial Capacity Implementation
State Program	Staff	X		X			X	X
	General Drinking Water Admin.	X						
	DWSRF Administration	Loan application and processing		X				
	Data Management			X				
	Inspections	X		X				
	Sanitary Surveys			X				
	Compliance Activities	X		See comment 1				
	Enforcement			X				
Capacity Development	Capacity Development Program		X	X				X
	Technical		X	X				X
	Managerial		X	X				X
	Financial		X	X				X
General Activities	Public Education/Outreach			Consumer Confidence Reports			X	X
	Operator Certification			X				
	Other System Training							
	Circuit Riding/Site Visits			X				
	Rate Studies		X					
	Pilot Studies		Pilot program for alternative treatment technologies					X
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency				X			
	System Partnerships			X				
	Restructuring/Consolidation							
	Small System Assistance		Contracts to provide non-regulatory assistance	X				
	Disadvantaged System Assistance			X				
	Other Technical Assistance			X				Engineering technical assistance
DWSRF Help	Loan Application Assistance		X	X				X
	Planning/Design/Engineering Services		Environmental documentation required for construction projects	X				X
Security Issues	ERP Assistance		X	X				
	VA Assistance		X	X				
SWP Efforts	Source Water Protection & Mgmt			X	X		See comment 2	X
	Wellhead Protection & Mgmt						X	
	Land Acquisition				X			
Other								

DWSRF Set-Aside Spending Vermont	
Comments	
1	Adoption and implementation of new regulations; engineering and construction supervision; compliance supervision.
2	Review and approval of source protection plans; create and review source water assessments.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)	
State:	Virginia							
IUP: 2008		Financial Information: Set-aside: \$6.08 m (4.0%)	Financial Information: Set-aside: \$2.05 m (1.4%)	Financial Information: Set-aside: \$7.77 m (5.1%)			Financial Information: Set-aside: \$7.34 m (4.9%)	
Governor's Report: 2008		Expended: \$5.44 m (89.6%) Remaining: \$0.63 m (10.3%)	Expended: \$1.96 m (95.7%) Remaining: \$0.09 m (4.4%)	Expended: \$6.75 m (86.9%) Remaining: \$1.02 m (13.1%)			Expended: \$5.95 m (81.1%) Remaining: \$1.39 m (18.9%)	
		General	General	Effort: PWSS Program	Effort: Source Water Protection Program	Effort: Operator Certification	Effort: Capacity Development Technical Assistance	Effort: Wellhead Protection
State Program	Staff	X	X	X	X		X	
	General Drinking Water Admin.	X					X	
	DWSRF Administration	X						
	Data Management			X			X	
	Inspections		X	X				
	Sanitary Surveys			X			X	
	Compliance Activities	X		See comment 1	See comment 2		X	
	Enforcement			X			X	
Capacity Development	Capacity Development Program						X	
	Technical						X	
	Managerial						X	
	Financial						X	
General Activities	Public Education/Outreach	Application Workshops						
	Operator Certification					See comment 3	X	
	Other System Training		X			See comment 4		
	Circuit Riding/Site Visits			X			X	
	Rate Studies							
	Pilot Studies							
	Plant Optimization (AWOP)							
	Leak Detection/Water Efficiency/Energy Efficiency		X				See comment 5	
	System Partnerships							
	Restructuring/Consolidation							
	Small System Assistance				X		X	X
	Disadvantaged System Assistance		X					
	Other Technical Assistance							
DWSRF Help	Loan Application Assistance							
	Planning/Design/Engineering Services						X	
Security Issues	ERP Assistance						X	
	VA Assistance						X	
SWP Efforts	Source Water Protection & Mgmt				Independent studies by contractors and VDH			X
	Wellhead Protection & Mgmt				X			X
	Land Acquisition							
Other				Courier System for samples				

DWSRF Set-Aside Spending Virginia	
Comments	
1	Consolidate regulatory oversight of TNCs under Office of Drinking Water (vs. local departments of health).
2	Assist systems with implementation of new federal rules.
3	Contract with Virginia Tech to conduct Waterworks Operators Short Courses and Class VI Operators Short Courses.
4	Funds will support distance learning at Mountain Empire Community College (manage Web site, scholarships, etc.).
5	New effort will help owners upgrade aged waterlines.

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)	
State:	Washington					
IUP: 2008		Financial Information: Set-aside: \$9.82 m (4.0%)	Financial Information: Set-aside: \$4.91 m (2.0%)	Financial Information: Set-aside: \$24.56 m (10.0%)	Financial Information: Set-aside: \$31.16 m (12.7%)	
Governor's Report: 2008		Expended: \$8.21 m (83.5%) Remaining: \$1.62 m (16.5%)	Expended: \$3.78 m (77.0%) Remaining: \$1.13 m (23.0%)	Expended: \$20.71 m (84.3%) Remaining: \$3.85 m (15.7%)	Expended: \$21.41 m (68.7%) Remaining: \$9.75 m (31.3%)	
		General	General	General	Effort: Capacity Development Program	Effort: Wellhead Protection Program
State Program	Staff			X		
	General Drinking Water Admin.	X		X		
	DWSRF Administration	X				
	Data Management			Improvements to DOH computer system		
	Inspections				X	
	Sanitary Surveys				X	
	Compliance Activities			X	X	
	Enforcement				X	
Capacity Development	Capacity Development Program				X	
	Technical				X	
	Managerial				X	
	Financial			X	X	
General Activities	Public Education/Outreach			X	X	
	Operator Certification					
	Other System Training					
	Circuit Riding/Site Visits					
	Rate Studies					
	Pilot Studies					
	Plant Optimization (AWOP)					
	Leak Detection/Water Efficiency/Energy Efficiency					
	System Partnerships					
	Restructuring/Consolidation					
	Small System Assistance		X	X	X	
	Disadvantaged System Assistance					
	Other Technical Assistance		X	X	X	
DWSRF Help	Loan Application Assistance					
	Planning/Design/Engineering Services				X	
Security Issues	ERP Assistance					
	VA Assistance					
SWP Efforts	Source Water Protection & Mgmt					
	Wellhead Protection & Mgmt					X
	Land Acquisition					
Other						

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)			Local Assistance & other State Programs (15% Set-Aside)	
State:	West Virginia							
IUP: 2008		Financial Information: Set-aside: \$3.04 m (3.6%)	Financial Information: Set-aside: \$1.66 m (2.0%)	Financial Information: Set-aside: \$7.60 m (9.1%)			Financial Information: Set-aside: \$10.29 m (12.3%)	
Governor's Report: 2008		Expended: \$2.26 m (74.4%) Remaining: \$0.78 m (25.7%)	Expended: \$1.56 m (94.3%) Remaining: \$0.09 m (5.8%)	Expended: \$10.24 m (134.8%) Remaining: \$-2.65 m (-34.9%)			Expended: \$6.98 m (67.8%) Remaining: \$3.32 m (32.3%)	
		General	General	Effort: Public Water Supply Supervision (PWSS)	Effort: Source Water Protection	Effort: Operator Training and Certification	Effort: Wellhead Protection Program (WHPP)	Effort: Capacity Development Program
State Program	Staff							X
	General Drinking Water Admin.							
	DWSRF Administration	X						
	Data Management			X			X	X
	Inspections	X						
	Sanitary Surveys			X				X
	Compliance Activities							X
	Enforcement						Underground Injection Control Program	X
Capacity Development	Capacity Development Program							X
	Technical		X					X
	Managerial		X					X
	Financial		X					X
General Activities	Public Education/Outreach						X	
	Operator Certification		X			X		
	Other System Training							X
	Circuit Riding/Site Visits							X
	Rate Studies							
	Pilot Studies							
	Plant Optimization (AWOP)			X				
	Leak Detection/Water Efficiency/Energy Efficiency							X
	System Partnerships							
	Restructuring/Consolidation							X
	Small System Assistance							
	Disadvantaged System Assistance							
	Other Technical Assistance							X
DWSRF Help	Loan Application Assistance							
	Planning/Design/Engineering Services			X				
Security Issues	ERP Assistance							X
	VA Assistance							
SWP Efforts	Source Water Protection & Mgmt				X		X	
	Wellhead Protection & Mgmt						X	
	Land Acquisition							
Other								

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Wisconsin				
IUP: 2008		Financial Information: Set-aside: \$5.21 m (2.9%)	Financial Information: Set-aside: \$3.37 m (1.9%)	Financial Information: Set-aside: \$8.40 m (4.7%)	Financial Information: Set-aside: \$5.50 m (3.1%)
Governor's Report: 2008		Expended: \$4.25 m (81.6%) Remaining: \$0.96 m (18.4%)	Expended: \$3.03 m (89.9%) Remaining: \$0.34 m (10.1%)	Expended: \$5.00 m (59.5%) Remaining: \$3.40 m (40.5%)	Expended: \$5.50 m (100.0%) Remaining: \$0.00 m (0.0%)
		No set-aside-specific information provided in state report	General	General	Effort: Wellhead Protection (WHP)
State Program	Staff			X	
	General Drinking Water Admin.			X	
	DWSRF Administration			X	
	Data Management			X	
	Inspections		Self Inspection Training	X	
	Sanitary Surveys			X	
	Compliance Activities		X	X	
	Enforcement			X	
Capacity Development	Capacity Development Program			X	
	Technical			X	
	Managerial			X	
	Financial			X	
General Activities	Public Education/Outreach			Outreach materials for viruses in groundwater	X
	Operator Certification		X	X	
	Other System Training		Operator Handbook Upkeep	X	X
	Circuit Riding/Site Visits		X	X	
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				
	Restructuring/Consolidation				
	Small System Assistance		X	X	
	Disadvantaged System Assistance				
	Other Technical Assistance			X	
DWSRF Help	Loan Application Assistance		X		
	Planning/Design/Engineering Services		X	X	
Security Issues	ERP Assistance			X	
	VA Assistance			X	
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				X
	Land Acquisition				
Other				Equipment upgrades	

Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability

DWSRF Set-Aside Spending		Administrative & Technical Assistance (4% Set-Aside)	Small System Technical Assistance (2% Set-Aside)	State Program Management (10% Set-Aside)	Local Assistance & other State Programs (15% Set-Aside)
State:	Wyoming				
IUP: 2008		Financial Information: Set-aside: \$3.67 m (3.7%)	Financial Information: Set-aside: \$0.16 m (0.2%)	Financial Information: Set-aside: \$0.00 m (0.0%)	Financial Information: Set-aside: \$1.26 m (1.3%)
Governor's Report: 2008		Expended: \$1.51 m (41.1%) Remaining: \$2.16 m (58.9%)	Expended: \$0.02 m (15.4%) Remaining: \$0.13 m (81.3%)	Expended: \$0.00 m (0.0%) Remaining: \$0.00 m (0.0%)	Expended: \$0.94 m (74.5%) Remaining: \$0.32 m (23.4%)
		Reserved for use in future years	No set-aside-specific information provided in state report	No set-aside-specific information provided in state report	General
State Program	Staff				
	General Drinking Water Admin.				
	DWSRF Administration				
	Data Management				X
	Inspections				
	Sanitary Surveys				X
	Compliance Activities				X
	Enforcement				X
Capacity Development	Capacity Development Program				X
	Technical				X
	Managerial				X
	Financial				X
General Activities	Public Education/Outreach				X
	Operator Certification				X
	Other System Training				X
	Circuit Riding/Site Visits				X
	Rate Studies				
	Pilot Studies				
	Plant Optimization (AWOP)				
	Leak Detection/Water Efficiency/Energy Efficiency				
	System Partnerships				X
	Restructuring/Consolidation				
	Small System Assistance				
	Disadvantaged System Assistance				
	Other Technical Assistance				X
DWSRF Help	Loan Application Assistance				
	Planning/Design/Engineering Services				
Security Issues	ERP Assistance				
	VA Assistance				
SWP Efforts	Source Water Protection & Mgmt				
	Wellhead Protection & Mgmt				
	Land Acquisition				
Other					

Appendix B

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