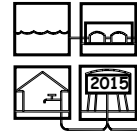


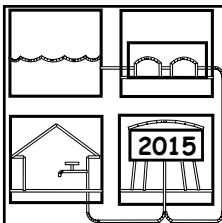
Needs Survey 101



Thank you for joining.
Our webinar will start in just a few minutes.

For audio, the call-in number is:
866-299-3188

The access code is:
202 564 4618 #

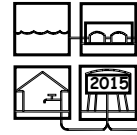


DWINSA

Needs Survey 101



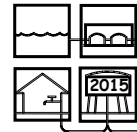
Agenda and Objectives



- Intended audience
 - State and regional coordinators new to the Survey or those that want a refresher
- This presentation will cover
 - Legislative intent
 - History
 - Methodology
 - Statistics
 - Documentation (brief)
 - Website



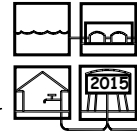
Other Trainings to Follow



- Needs Survey 102 in-person training
 - Held before Workgroup Meeting in Dallas
 - Will cover the survey instrument and documentation requirements
- Fall 2014 Training
 - Held at various locations around the U.S.
 - Will cover all aspects of the survey and policies
- Webinars
 - How to use the website
 - How to validate your frame
 - Other Webinars as requested

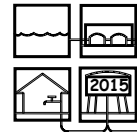


**Who are these people I
keep getting e-mails
from?**

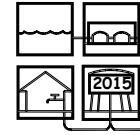


EPA Staff

- Bob Barles
 - Needs Survey Project Manager
- Peter Shanaghan
 - State Revolving Fund (SRF) Team Leader
- Chuck Job
 - Infrastructure Branch Chief



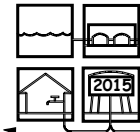
Cadmus Staff



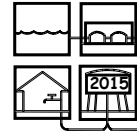
- Donna Jensen
 - Needs Survey Project Manager
- Linda Hills
 - Needs Survey Team Leader
- Richard Krop
 - Statistics and Data Analysis
- Druanne Cote
 - Primary Contact for States in **Regions 1-5**
- Sandie Koenig
 - Primary Contact for States in **Regions 6-10**



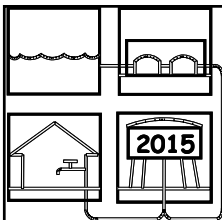
What is the Needs Survey and why do we have to do it every four years?



Drinking Water Infrastructure Needs Survey



- An assessment of the 20-year infrastructure needs of state-regulated and tribally-regulated water systems that are eligible for Drinking Water SRF funding
- Used to allocate capitalization grant funds
 - States and Regions with greater need get greater percentage of the funding

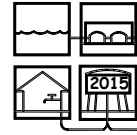


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Legislative Intent



1996 SDWA Amendments



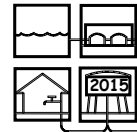
- Established the Drinking Water State Revolving Fund (DWSRF)
- Directs EPA to conduct drinking water infrastructure needs assessment

*“[EPA] shall conduct an assessment of water system capital improvement needs of all eligible public water systems in the United States and submit a report to Congress containing the results of the assessment within 180 days after the date of enactment of the SDWA Amendments of 1996 and **every 4 years** thereafter.”*

[SDWA Section 1452 (h)]



1996 SDWA Amendments



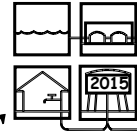
- Allotment of DWSRF capitalization grant dollars to states

“...funds made available to carry out this section shall be allotted to states ...in accordance with ... a formula that allocates to each state the proportional share of the state needs identified in the most recent survey conducted pursuant to [this Act] except that the minimum proportionate share provided to each state shall be [1 percent].”

[SDWA Section 1452 (a) (1) (D) (ii)]

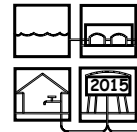


How is the Drinking Water Needs Survey different than the Clean Water Needs Survey?

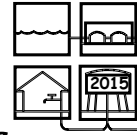


CWNS versus DWNS

- Funding for Drinking Water SRF is tied to findings of DWINSA
- Funding for Clean Watersheds SRF is set in statute

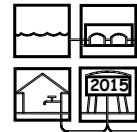


What are the goals of the Needs Survey?

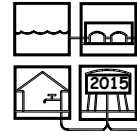


Two Primary Goals

- Determine the national need and inform Congress
 - Fund capitalization grants based on need
- Determine need by State
 - The allotment



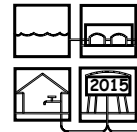
Needs Survey Goals



- Goals are achieved through:
 - A bottom-up approach
 - Unique in industry
 - Rigorous documentation requirements
 - Cost-efficient investment strategies
 - Collecting needs over a 20-year time horizon
 - Using statistically valid methods at state and national level
 - Credibility and consistency



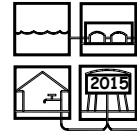
Additional Goals



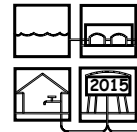
- Some additional benefits and ancillary goals of the survey:
 - Identify key issues and trends within water industry
 - Facilitates keeping a “finger on the pulse of the industry”
 - E.g., new/unique challenges from one cycle to the next.



What are the Categories of Need?



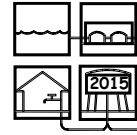
Five Categories of Need



- Source
 - Wells, surface water intakes, springs
- Treatment
 - Treatment plants
- Storage
 - Finished water tanks and reservoirs
 - No raw water reservoirs
- Transmission and Distribution
 - Include appurtenances
- Other
 - Emergency power generators
 - System security
 - Computer and automation costs



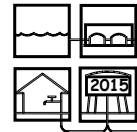
Report to Congress



- For the Report to Congress, need is reported by:
 - System size and type
 - Large, medium, small, not-for-profit non-community
 - American Indian, Alaska Native Village
 - Regulatory v. Non-regulatory Need
 - Category of need
 - Source, treatment, storage, T&D, other



What does the Survey Questionnaire look like?



Project Table

OMB No.: 2040-0274

Using the completed inventory, capital improvement plans, or other existing planning documents and resources, please identify and document projects on the table below.

Approval Expires: 02/28/2014

Source, Treatment, Storage, and Pumping Project numbers should start with Project #1000.

Federal PWSID No.: _____

Transmission and Distribution Project numbers should start with Project #2000.

Backflow Prevention Devices/Assemblies, Hydrants, Service Lines, Valves, Water Meter, and Other Project numbers should start with Project #3000.

If a project is coded 2G for "climate readiness" from List 3, please refer to tab 6 of this workbook for supplemental questions.

Please do not include units. Refer to the header to determine the valid entry for the cell.

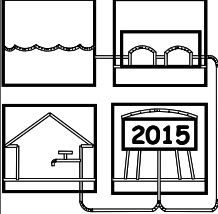
If you have any problems, please call the DWWSA helpline at: 1-888-357-9030

Project Number	Project Name	Type of Need	Reason for Need	New, Expand/ Upgrade, Replace, or Re-Habilitate	Current or Future	Reg or Secondary Purpose	Design Capacity	Diameter or Size	Length of Pipe	Number Needed	Cost Estimate	Date of Cost Estimate	Documentation
<small>(Enter a unique 4 digit number)</small>	<small>(Provide short description of the project)</small>	<small>(Enter code(s) from List 1)</small>	<small>(Enter code(s) from List 2)</small>	<small>(Enter one: N, E, R, or H)</small>	<small>(Enter one: C or F)</small>	<small>(Enter code(s) from List 3 if applicable)</small>	<small>(Enter capacity in MG, MGD, or kW, if applicable)</small>	<small>(Enter diameter in inches, if applicable)</small>	<small>(Enter length of pipe in feet, if applicable)</small>	<small>(Enter number needed if applicable)</small>	<small>(Provide cost estimate if available)</small>	<small>(In mm/yyyy format)</small>	<small>(Enter code(s) from List 4)</small>




Project Number	Project Name	Type of Need	Reason for Need	New, Expand/ Upgrade, Replace, or Re-Habilitate	Current or Future	Reg or Secondary Purpose	Design Capacity	Diameter or Size	Length of Pipe	Number Needed	Cost Estimate	Date of Cost Estimate	Documentation
<small>(Enter a unique 4 digit number)</small>	<small>(Provide short description of the project)</small>	<small>(Enter code(s) from List 1)</small>	<small>(Enter code(s) from List 2)</small>	<small>(Enter one: N, E, R, or H)</small>	<small>(Enter one: C or F)</small>	<small>(Enter code(s) from List 3 if applicable)</small>	<small>(Enter capacity in MG, MGD, or kW, if applicable)</small>	<small>(Enter diameter in inches, if applicable)</small>	<small>(Enter length of pipe in feet, if applicable)</small>	<small>(Enter number needed if applicable)</small>	<small>(Provide cost estimate if available)</small>	<small>(In mm/yyyy format)</small>	<small>(Enter code(s) from List 4)</small>
1000	Well Pump Replacement	R2	A1	R	F		0.25			4			10
1001	Treatment	T22	A1	H	F		1			1			
1002	New Elevated Tank	S1	A3	N	C		0.2			1	\$400,000	09/2013	1, 10
2000	10% Pipe Replacement	M1	A1	R	F			8	40,000				10
3000	Meter Replacement	M8	A1	R	F			0.625		15,000			10

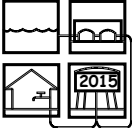





DWINSA

Survey and Assessment History

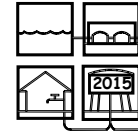




Who participated in previous assessments?



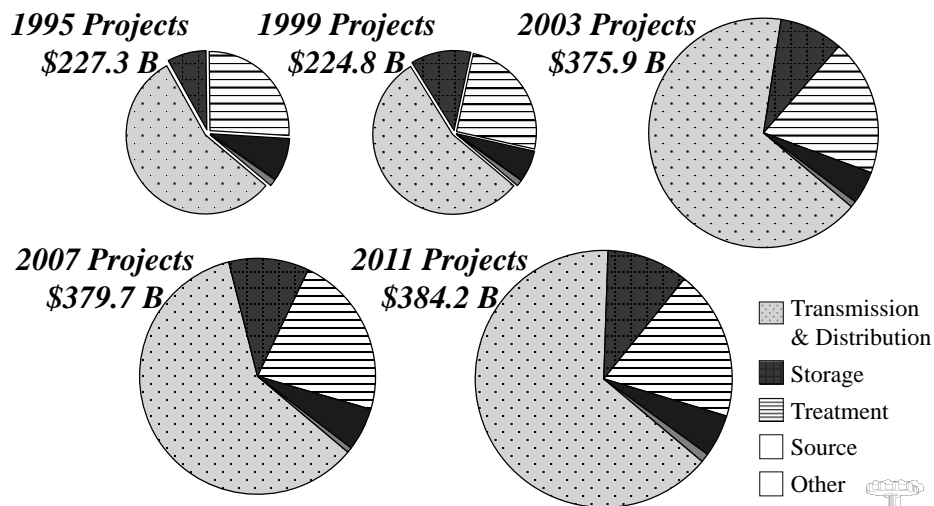
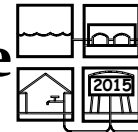
Summary & Comparison of Past Assessments



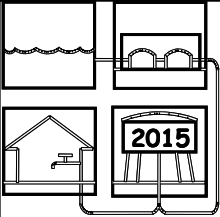
	1995	1999	2003	2007	2011
Census	>50K	>40K	>40K	>100K	>100K
State Statistical Sample	3301-50K	3301-40K	3301-40K	3301-100K	3301-100K
National Sample of Smalls	600 Systems	600 Systems	No	600 Systems	No
Not-for-Profit Non-community	No	Yes	No	No	No
Alaska Native and American Indian	Yes	Yes	No	No	306 Systems
State Role	Low	Medium	High	High	High



20-year Need by Project Type




DISTRIBUTION OF DRINKING WATER SRF APPROPRIATION (1995, 1999, 2003, 2007, and 2011 Data)											
State	1995	1999	2003	2007	2011	State	1995	1999	2003	2007	2011
	Allotment	Allotment	Allotment	Allotment	Allotment		Allotment	Allotment	Allotment	Allotment	Allotment
Alabama	1.19%	1.00%	1.00%	1.24%	1.91%	Nevada	1.00%	1.00%	1.00%	1.00%	1.43%
Alaska	1.00%	1.00%	1.00%	1.00%	1.00%	New Hampshire	1.00%	1.00%	1.00%	1.00%	1.00%
Arizona	1.02%	1.13%	2.84%	2.01%	1.81%	New Jersey	2.44%	2.30%	2.21%	2.14%	1.90%
Arkansas	1.42%	1.08%	1.26%	1.51%	1.53%	New Mexico	1.00%	1.00%	1.00%	1.00%	1.00%
California	10.83%	10.24%	8.15%	9.35%	9.41%	New York	6.33%	7.75%	4.45%	6.59%	4.80%
Colorado	1.35%	1.65%	1.76%	1.77%	1.74%	North Carolina	1.81%	1.76%	3.37%	2.62%	2.34%
Connecticut	1.00%	1.00%	1.00%	1.00%	1.01%	North Dakota	1.00%	1.00%	1.00%	1.00%	1.00%
Delaware	1.00%	1.00%	1.00%	1.00%	1.00%	Ohio	3.20%	3.05%	3.00%	3.21%	2.78%
Florida	2.90%	2.34%	4.52%	3.27%	3.66%	Oklahoma	1.44%	1.55%	1.61%	1.24%	1.61%
Georgia	2.14%	1.58%	2.81%	2.36%	2.18%	Oregon	1.48%	1.76%	1.46%	1.00%	1.42%
Hawaii	1.00%	1.00%	1.00%	1.00%	1.00%	Pennsylvania	3.15%	3.22%	3.37%	2.93%	3.20%
Idaho	1.00%	1.00%	1.00%	1.00%	1.00%	Puerto Rico	1.44%	1.33%	1.00%	1.00%	1.00%
Illinois	3.48%	3.73%	4.08%	3.77%	4.17%	Rhode Island	1.00%	1.00%	1.00%	1.00%	1.00%
Indiana	1.22%	1.17%	1.40%	1.67%	1.62%	South Carolina	1.08%	1.00%	1.00%	1.00%	1.00%
Iowa	1.58%	1.84%	1.25%	1.71%	1.50%	South Dakota	1.00%	1.00%	1.00%	1.00%	1.00%
Kansas	1.41%	1.15%	1.00%	1.22%	1.14%	Tennessee	1.34%	1.01%	1.04%	1.11%	1.00%
Kentucky	1.52%	1.22%	1.05%	1.44%	1.56%	Texas	7.58%	7.70%	8.24%	6.36%	7.23%
Louisiana	1.40%	1.00%	1.42%	1.89%	1.37%	Utah	1.00%	1.00%	1.00%	1.00%	1.04%
Maine	1.00%	1.00%	1.00%	1.00%	1.00%	Vermont	1.00%	1.00%	1.00%	1.00%	1.00%
Maryland	1.00%	1.16%	1.38%	1.55%	1.70%	Virginia	1.95%	1.38%	1.06%	1.70%	1.66%
Massachusetts	3.85%	3.58%	2.68%	1.86%	1.86%	Washington	2.69%	2.47%	2.14%	2.55%	2.23%
Michigan	2.94%	4.10%	3.46%	3.04%	3.11%	West Virginia	1.00%	1.00%	1.00%	1.00%	1.00%
Minnesota	1.66%	1.98%	1.80%	1.68%	1.79%	Wisconsin	1.34%	1.98%	1.94%	1.72%	1.74%
Mississippi	1.16%	1.00%	1.00%	1.04%	1.04%	Wyoming	1.00%	1.00%	1.00%	1.00%	1.00%
Missouri	1.34%	1.45%	1.94%	1.93%	2.02%						
Montana	1.00%	1.00%	1.00%	1.00%	1.00%	District of Columbia	1.00%	1.00%	1.00%	1.00%	1.00%
Nebraska	1.00%	1.00%	1.00%	1.00%	1.00%	Other Areas *	0.33%	0.33%	0.33%	1.50%	1.50%

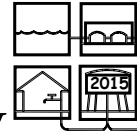


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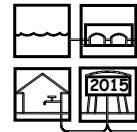
Methodology



Why don't we survey every water system in the United States?



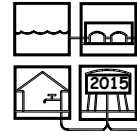
Methodology



- There are over 50,000 community water systems
 - Cost prohibitive
 - Burdensome
- Since we can't survey all of them we must select a sample of systems



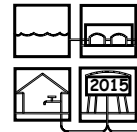
Terminology



- Census
 - Sampled with certainty
 - all systems serving > 100,000 are selected for the survey
- Opt-out states
 - States receiving one percent of the allocation that choose to opt-out and have their medium system needs estimated based on the systems surveyed
 - Also called partially participating states



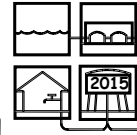
Terminology



- Data quality objective
 - Confidence level and precision target of the survey sample
- Strata/Stratum
 - Category or group by which the systems are divided because they are assumed to have “like” needs
- Frame
 - Universe of systems in a state that are represented by the survey

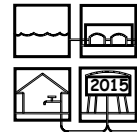


What are the data quality objectives for the Needs Survey?

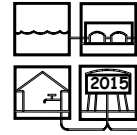


Data Quality Objectives

- National Need
 - Estimate national need
 - Confidence level of 95%
 - Precision target of $\pm 10\%$
- Participating State Need
 - Estimate state need
 - Confidence level of 95%
 - Precision target of $\pm 10\%$
- Partially Participating (Opt-out) States
 - No DQO for each state

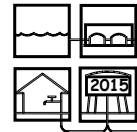


Why do we stratify the frame?

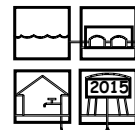


Stratifying the Frame

- Since we cannot collect data from every water system, we try to group systems that are thought to have similar needs
- Needs Survey Strata
 - Source
 - Population



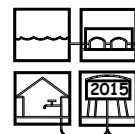
State Survey Strata



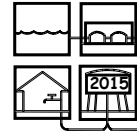
	Population	Surface Water	Groundwater	
L A R G E	>100K	Census – All Systems Receive Questionnaire		
M E D I U M	50,001-100K	State Samples for Participating States		
	25,001-50K			10,001-50K
	10,001-25K			
	3,301-10K	National Small System Sample		
S M A L L	1001-3,300			
	101-1000			
	≤ 100			



**Why do we ask
you to validate
the frame?**



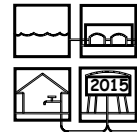
Validating the Frame



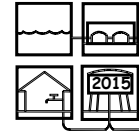
- Assists in assigning most appropriate stratum based on all consumers served
 - Just as important for 1% states
- Critical Parameters
 - Population served
 - Retail vs wholesale/consecutive
 - Source – ground vs. surface
 - Consecutives grouped with groundwater systems
- More information on validating frame
 - Dallas Workgroup Meeting
 - Upcoming Webinar



**Who will be surveyed
in 2015?**



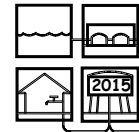
Data Collection for 2015



- State-regulated systems
 - Large systems
 - Census (all systems)
 - Medium systems
 - Statistical sample in participating states
 - Panel approach + “refreshing”



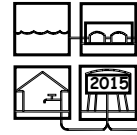
Data Collection for 2015



- State-regulated systems
 - Small systems
 - No data collection in 2015
 - Use findings from 2007 survey and adjust to 2015 \$
 - Not-for-profit noncommunity systems
 - No data collection in 2015
 - Use findings from 1999 survey and adjust to 2015 \$



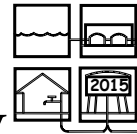
Data Collection for 2015



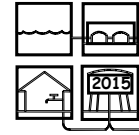
- Tribally-regulated systems
 - American Indian (AI) and Alaska Native Village (ANV) systems
 - No data collection in 2015
 - Use findings from 2011 survey and adjust to 2015 \$



**What do we mean by
panel + refresh
approach?**



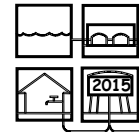
Panel + Refresh



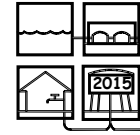
- Panel approach
 - A panel is a re-survey of the same respondents
- Refresh
 - 25% of medium systems sampled in 2011 randomly removed
 - Systems reselected:
 - Systems not sampled in 2011
 - New systems since 2011
 - Systems that moved between strata
 - Systems removed from list



**How are the needs
calculated for each
state?**



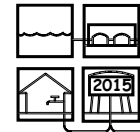
Calculating Participating State Need



- Sum of large + medium + small system need for each state
- Large system need
 - Each has a weight of 1
- Medium system need
 - Each system's need * weight
- Small system need
 - Average national need * number of systems in state's inventory



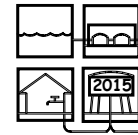
Calculating Opt-Out State Need



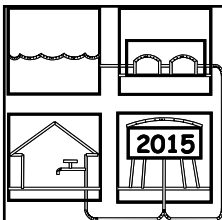
- Sum of large + medium + small system need for combined group of opt-out states
- Large system need
 - Each has a weight of 1
- Medium system need
 - Average national need * number of systems in the opt-out states' inventory
- Small system need
 - Average national need * number of systems in the opt-out states' inventory



Calculating National Need



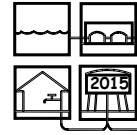
- Sum of:
 - Participating state totals
 - One-percent opt-out states' total
 - States' not-for-profit noncommunity (from 1999)
 - American Indian (from 2011)
 - Alaskan Native Village (from 2011)
 - Cost of proposed or recently promulgated regulations



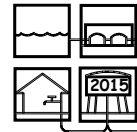
DWINSA

Brief Overview of Allowability and Documentation Policies





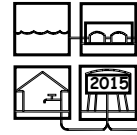
Every Project Must Meet Allowability Criteria and Documentation Policies



What projects are allowable?



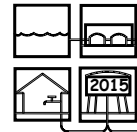
Allowable Projects



- Must be:
 - Capital improvement needs
 - Eligible for SRF funding
 - In furtherance of public health goals of the SDWA
 - Violation or regulatory requirement is not necessary
 - Reflects most cost-efficient investment strategies
 - Within the Assessment timeframe



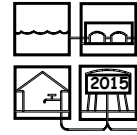
Allowable vs. Eligible



- Allowable:
 - Projects that can be included in the Assessment and contribute to individual state needs
- Eligible
 - Projects that can be funded through the DWSRF



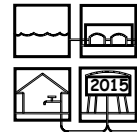
Allowable vs. Eligible



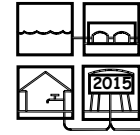
	DWINSA Allowable	DWSRF Eligible
Dams	No	No
Acquisition of Systems	No	Yes
Refinancing Loans	No	Yes
Source Water Protection Needs	No	Set-Aside Only
Non-PWSs	No	Yes
Growth	No	No
Studies	No	Yes



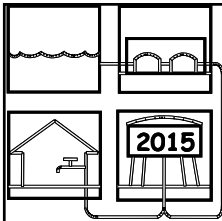
**What are the types of
documentation?**



Types of Documentation



- Two types
 - Independent
 - Written for purpose other than the survey
 - Documents for planning, obtaining funding, educating consumers, etc.
 - Survey-generated
 - Written specifically for the survey
 - Could be provided by the system, state, contractor, system engineer, etc.



DWINSA

Needs Survey Website





What is the purpose of the Needs Survey Website?



Purpose

- Website is our way of communicating with states
 - Online resource
 - Track and review survey data
 - Shows accepted/deleted/modified projects
 - Shows which surveys have been processed and which have not
 - Request modifications for deleted/modified projects

Online Resource – Front Page

2015 Drinking Water Infrastructure Needs Survey and Assessment

Welcome to the 2015 Drinking Water Infrastructure Needs Survey and Assessment Website.

The 1996 Safe Drinking Water Act Amendments directed the EPA to conduct a survey of the infrastructure needs of public water systems every four years. The survey is conducted on water systems nationwide that are eligible to receive Drinking Water State Revolving Fund (DWSRF) capital improvement needs to ensure the continued provision of safe drinking water. The survey is used to develop formulas used by Congress to allot Drinking Water State Revolving Fund money. The first report to Congress was published in 1997 and subsequent reports have been published every four years.

For more information on past surveys:

Log In

User Name:

Password:

GO

Forgot your password ?

Available Without Log-in

- 2011 Questionnaire (PDF)
- 2011 Questionnaire 3 Table Format (.xls)
- 2011 Questionnaire Combined Project Table Format (.xls)
- Additional Project Tables (PDF)
- 2011 State List of Codes (PDF)
- 2011 AI/ANV List of Codes (PDF)
- General Instructions (PDF)
- General Instructions Addendum (PDF)
- Type of Need Dictionary (PDF)

Tracking and Reviewing Survey Data

2011 Drinking Water Infrastructure Needs Survey and Assessment

Home | Projects | System Stats | Progress Meter | Contacts | Hot List | Unread Messages | Log Out

User: examplestatems.gov Role: State (Editor)

Home Page

Welcome to the 2011 Infrastructure Needs Survey Website. Use Quick Find to go to a specific water system or project. (Leave project number blank to view all projects in that system.) Current Filters allow you to filter for certain types of projects and systems throughout the website.

Administrative Functions

[Change Password](#)

[Edit User](#)

Quick Find

PWSID:

Project #:

GO

Current Filters

Project

- All Projects
- Not Processed
- Deleted
- Accepted w/No Cost
- Accepted w/Adjusted Cost
- Accepted w/Cost

System

- All Systems
- Small
- Medium
- Large

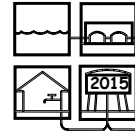
Area: Mississippi

Apply -- Hit the apply button to save (and see) changes




Downloads - Available Without Log-in

- 2007 Needs Survey Questionnaire 2-7-07 (PDF)
- 2007 Needs Survey Questionnaire 2-7-07 (Excel)
- 2007 Needs Survey Cover Letter 8-20-07 (PDF)

Project Status

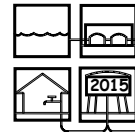


- Website will indicate status of project as:

- Accepted: Project accepted and cost or modeling parameter unchanged*
-  *Accepted with Modified Cost: Project accepted but change made that impacts cost*
-  *Accepted with No Cost: Project accepted but either no cost or no modeling parameter*
-  *Deleted: Project deleted (usually an allowability or documentation of need issue)*



System Stats Page



System Status

The System Status page shows the statuses of all system surveys based on criteria specified in your current filter settings. Columns can be resorted by clicking on the column headers.

Current Filters

Project
Project Filter Not Applicable

System
 All Systems
 Small
 Medium
 Large

Area Mississippi

Apply

Apply filters to reduce list

View system status

Click to go to System View

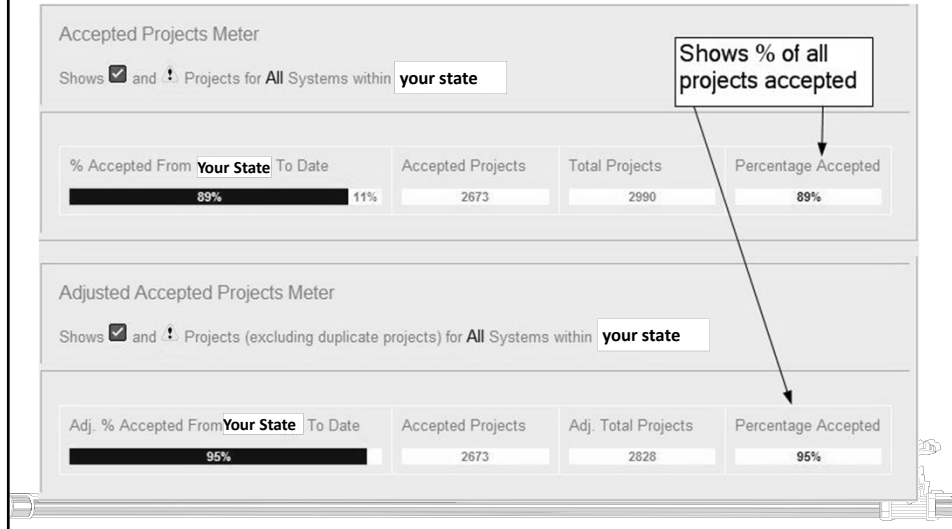
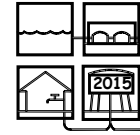
System Status - All Systems within Mississippi

Sort list by selecting column headers

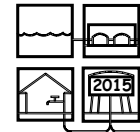
Click to view projects

Status	PWSID	Name	Received By EPA	Initial Weight	Last Updated	Stratum	?	⊗	Ⓢ	Ⓜ	Ⓟ	Batch	Location
uploaded	MS0010015	ADAMS CO W/A #4-KAISER LAKE	6/12/2007	1.057143	6/12/2008	Medium	0	0	0	0	8	8	Helena MT
uploaded	MS0020003	FARMINGTON WATER ASSOCIATION	9/21/2007	1.057143	4/30/2008	Medium	0	9	0	5	22	67	Helena MT
uploaded	MS0020004	KOSSUTH W/A #1	8/28/2007	1.057143	11/6/2007	Medium	0	0	1	12	6	61	Helena MT
uploaded	MS0020006	ALCORN W/A #1-INDIAN SPRINGS	10/19/2007	1.057143	1/17/2008	Medium	0	6	0	2	8	92	Helena MT

Progress Meter Page – Acceptance Rate



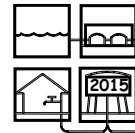
Modifications



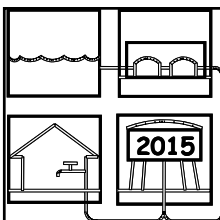
- Through website, states can identify deleted/modified projects
 - Appears on messages tab for each project
- States can submit “modifications” for projects including:
 - A better explanation of need
 - Additional documentation
- Process to submit modifications will be covered in fall training



Access to the Website



- All states have read-only access to the 2011 Needs Survey Website
 - 2011.dwneeds.com
- 2015 Website now available
 - www.dwneeds.com
 - Username is your email address; password is your last name
 - Prompted to change password after first log in
 - Play around in it - all data will be wiped out prior to the 2015 survey launch

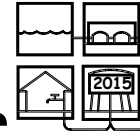


DWINSAs

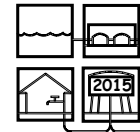
Survey Schedule



What is the tentative schedule for this effort?



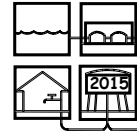
Tentative Key Dates for States



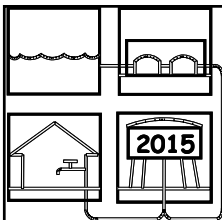
- September 2014
 - System addresses submitted
- December 2014
 - State letters submitted to EPA
- January 2015
 - EPA provide electronic version of questionnaires
- March 2015
 - Review first few questionnaires
- May 2015
 - Workgroup meeting
- July 2015
 - 1/3 returned to EPA
- September 2015
 - 2/3 returned to EPA
- November 2015
 - Final questionnaires due
- January 2016
 - Final modification due



Final Report



- Report to Congress due in February 2017
 - Allow for:
 - 6 months data crunching and report draft
 - 3 months EPA Management
 - 3 months OMB review



DWINSA

Questions?

