

Final Report  
Phase 2 of the  
Water Conservation Workshops conducted under the  
HB 05-1254 Water Efficiency Grant Program

March 15, 2007

Submitted by:

Great Western Institute

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## Section 1 Overview of Workshops

A second phase of Water Conservation Workshops (“workshops”) was conducted during the period from November to December 2006 at locations in Westminster and Berthoud, Colorado as a follow-up to the workshops held at five other venues in the summer of the same year. These workshops were conducted to provide an arena for water utilities, special districts, other water providers and those with an interest in Colorado’s water to:

- Develop a consistent set of definitions and nomenclature regarding water conservation, water use efficiency and wise water use;
- Learn about what constitutes meaningful water conservation planning and implementation from a practical, economic, political, and legal perspective;
- Educate water planners regarding state and other resources available to provide technical, financial, and other assistance to those looking to develop and implement more meaningful water conservation programs; and
- Share information and stories regarding past successes and failures regarding water conservation, water use efficiency, and wise water use that have occurred on a local level across the state.

**The key messaging** that was included in the “Save the Date” announcements distributed in October, as well as in the announcement of each of the individual workshop programs included the following:

### **Why Attend the Workshop?**

- To help facilitate the ongoing dialogue between and among water users, elected officials, and interested citizens
- To discuss the components of proper water conservation planning
- To provide valuable information to the community on the economics and current practices regarding water conservation planning and implementation
- To provide an opportunity for local water users and providers to share their experiences and recent lessons learned
- To promote more visibility and understanding of local conservation efforts across the state.

### **Who is Invited?**

Water utility managers; elected and appointed officials; water resource managers; directors of special districts and home owners associations; consultants; Statewide Water Supply Initiative (SWSI) and Interbasin (1177) Basin Roundtable Members; and anyone with a strong interest in water conservation.

### **What Will Be Covered?**

#### **Day One (one half day from 1 to 4:30 pm)**

- The language of water conservation (including what is and what is not water conservation)
- The “nine steps” of water conservation planning integrating water supply and demand management
- The Colorado Water Conservation Board (CWCB) Water Conservation Planning Guidance Document
- The State’s requirements for water conservation planning
- Review of CWCB Grant Programs

#### **Day Two (one full day from 9 to 4:45 pm – lunch provided)**

- Presentations by local organizations and individuals regarding current water conservation practices – opportunities, challenges and lessons learned
- Presentations by regional researchers and practitioners regarding the “dollars and sense” of water conservation

- Interactive panel discussions with elected officials, water managers and other key local stakeholders regarding opportunities and challenges
- Lots of time for audience questions and dialogue with the speakers and panelists

Table 1 summarizes relevant information regarding the individual workshops, including date conducted, number of attendees and the primary meeting sponsor. A total of 64 individuals attended the two workshops.

The local sponsors for each workshop provided the meeting place and food and refreshments during the workshops, supported local media engagement and announcements, and assisted with identifying and engaging the local speakers and the target audience.

Each workshop was also sponsored by the combined support of the Colorado WaterWise Council, which provided person power in the form of developing agendas, engaging speakers, and making presentations. Select members of the Colorado WaterWise Council, Western Resource Advocates and Great Western Institute also provided assistance in developing and preparing workshop notebook content as part of the in-kind match on the project. Denver Water Department donated all notebook production support.

At final tally, the in-kind and cash contribution provided by the various project sponsors came to 39% of the overall project cost.

**Table 1 – Summary of Water Conservation Workshop Logistics**

Location	Date	Number of Attendees	Local Sponsor
Westminster	November 9 and 10	20	City of Westminster
Berthoud	December 11 and 12	44	Northern Colorado Water Conservancy District

A listing of the specific agendas developed for each workshop is provided in Attachment A. Attachment B presents a listing of the attendees for all seven of the workshops.

A summary of the background of the 64 attendees is provided in Table 2.

**Table 2 – Summary of Types of Organizations in Attendance**

Organization Type in Attendance*	Number in Attendance
City/Town > 10,000	20
City/Town < 10,000	5
Special District > 10,000	3
Special District < 10,000	2
County Planning	2
Water Conservation/Conservancy District	2
Elected Officials	0
Legislative Staff	0
Agriculture	4
Non-Profit	6
Consultant	7
Press	1
Other	12

\* not including the evening session at Berthoud

Note that in the evening of Monday December 11<sup>th</sup>, a special water conservation policy dialogue was held at the Northern Colorado Water Conservancy District (NCWCD) facility with approximately 25 water officials representing various entities that receive water shares from NCWCD. This session was used to engage selected elected and appointed officials from the area municipalities, special districts and ditch companies in a discussion regarding two key water conservation related issues – demand hardening and water budgets for setting water rates. The key results of these discussions are incorporated in the lessons learned presented in Section 3.

## Section 2 Questionnaires

An important component of all the workshops was the collection of questionnaire responses (formerly called “exit surveys”). The questionnaire was designed to collect information regarding attendee contact information and organization, and organizational need with respect to three key areas related to water conservation planning and implementation:

- Information
- Technical assistance
- Financial

These three areas were further segmented into needs related to specific water conservation planning and implementation issues.

A summary of the key elements of the questionnaire is provided below. The “raw” questionnaires have been provided to the CWCB under separate cover.

To begin with, the questionnaire was completed by about 57% of the Phase 2 workshop attendees, in that 37 surveys were completed. The aggregated response of all the questionnaires, including all seven of the workshops from both the first and second phase of the program, found that the average response for every category of need trended toward having a need rather than having no need since the averaged numeric response for question asked was less than 3 on a scale of 1 to 5 with 1 being substantial need and 5 being no need.

The greatest identified needs statewide were indicated by the questionnaire results as follows (in order of need):

- Information on water conservation measures and programs
- Technical support on implementing educational programs
- Technical support on implementing outdoor watering programs
- Technical support on implementing program communications, publicity and messaging
- Information on water conservation planning
- Financial support for water conservation program implementation
- Financial support for water conservation planning

For these needs listed, more than 57 percent of the respondents indicated a need level of a 1 or a 2. This was a change from the cumulative response noted in the Phase 1 Report (GWI, 2006), presumably due to the influence of the large percentage of large municipalities and special districts that attended the Phase 2 workshops. Larger entities tend to demonstrate lesser informational, technical assistance and financial needs than are represented by smaller entities.

Overall, informational needs are the greatest based on questionnaire responses, followed by financial assistance needs.

To further understand the nature of the needs described by the respondents, the questionnaire results were segmented by the size of the organization’s service area, if available, or the size of the town or city housing the organization, if that information is not available. Admittedly, this

segmentation would be better aligned to the size of the population served by any individual organization, however tying the perception of need to locality did help to differentiate the responses. To this point, the responses were segmented into those questionnaires from organizations and individuals located in cities and towns with greater than and less than 10,000 inhabitants, with the following results.

Not surprisingly, the needs of those in small communities are more acute than the needs for large communities based on the questionnaire responses – in that the average responses were numerically lower for the small communities. Figures 1 and 2 present the results of the surveys for both the large and small communities, respectively. Table 3 presents a summary of the questionnaire responses.

For those respondents living in locations **with greater than 10,000 inhabitants** the greatest needs were identified to include:

- Information for water conservation planning
- Information for water conservation implementation (about 70% of the respondents from this segment responded with either a 1 or a 2 for both questions related to informational needs).
- Technical support for implementing outdoor watering programs
- Financial support for water conservation program implementation

For those respondents living in locations **with less than 10,000 inhabitants** the greatest needs were identified to include:

- Technical support on implementing educational programs
- Technical support on implementing program communications, publicity and messaging
- Financial support for water conservation program implementation
- Financial support for water conservation planning

For both categories related to financial need, approximately 63 % of respondents from this segment responded with a 1 or 2, and 50% responding with a 1.

The results of the Phase 2 Water Conservation Workshop questionnaires strongly supports and mirrors the results of the first phase of Water Conservation Workshop questionnaires collected this past summer.

Figure 1 – Average Response for Respondents from Large Cities and Towns

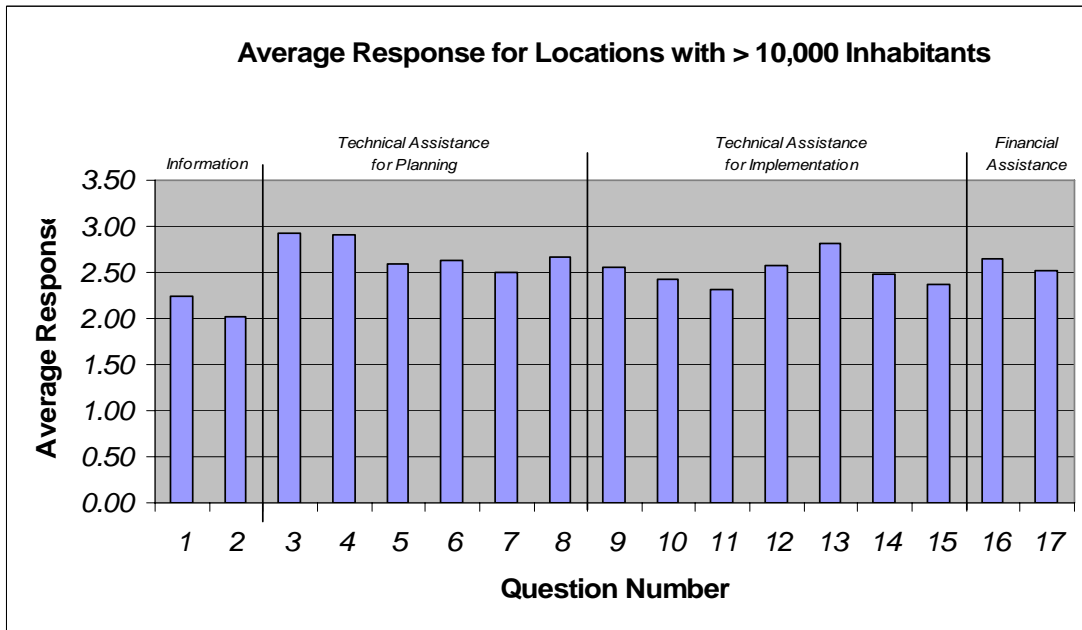
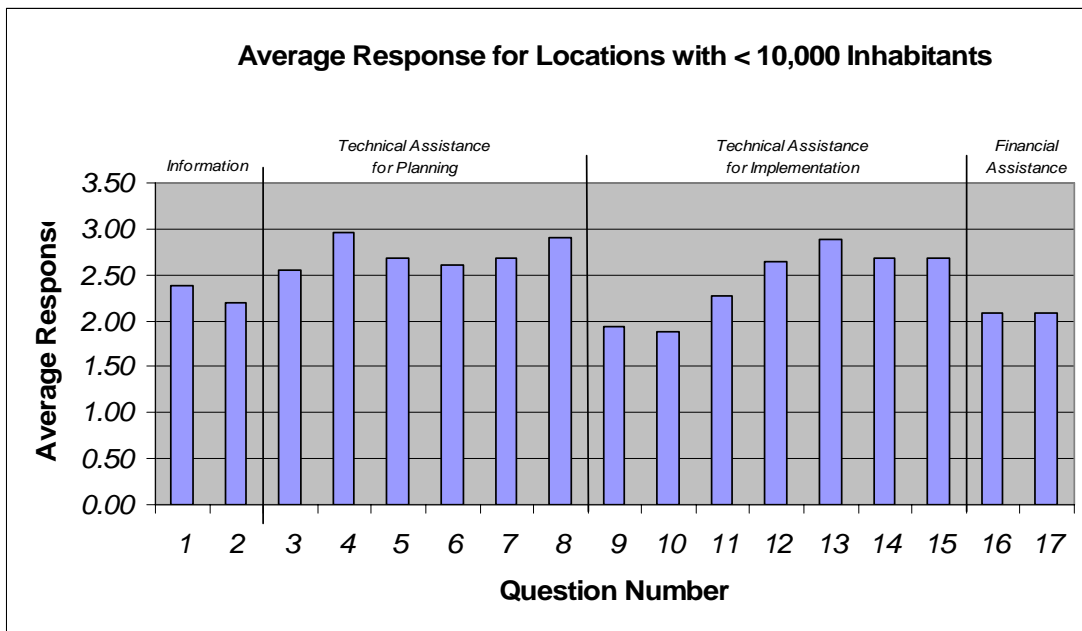


Figure 2 – Average Response for Respondents from Small Cities and Towns



**Table 3**  
**Exit Survey Results from First Seven Water Conservation Workshops**  
**2006**  
**Great Western Institute**

*Population < 10,000*

	Number of Responses	Response					Percent of Responses					
		1	2	3	4	5	1	2	3	4	5	
<b>Informational Needs</b>												
Q1	Information on Water Conservation Planning	56	16	14	14	10	1	29%	25%	25%	18%	2%
Q2	Information on Water Conservation Implementation	56	15	19	17	3	1	27%	34%	30%	5%	2%
<b>Technical Support for Water Conservation Planning</b>												
Q3	General Planning	55	13	15	13	9	4	24%	27%	24%	16%	7%
Q4	Water System Mapping and Evaluations	52	10	11	12	7	11	19%	21%	23%	13%	21%
Q5	Applicability of Specific Measures and Programs	53	10	13	16	10	3	19%	25%	30%	19%	6%
Q6	Financial Analyses (i.e., pricing water)	54	19	9	7	10	8	35%	17%	13%	19%	15%
Q7	Monitoring and Measuring	55	14	14	8	11	7	25%	25%	15%	20%	13%
Q8	Updates and Revisions	53	5	16	15	11	5	9%	30%	28%	21%	9%
<b>Technical Support for Water Conservation Implementation</b>												
Q9	Communications/Publicity/Messaging	56	23	18	9	4	1	41%	32%	16%	7%	2%
Q10	Education	55	21	21	10	1	1	38%	38%	18%	2%	2%
Q11	Outdoor Use	54	19	15	8	8	3	35%	28%	15%	15%	6%
Q12	Indoor Use	53	13	9	17	10	3	25%	17%	32%	19%	6%
Q13	Leak Detection and Repair	55	14	10	8	12	10	25%	18%	15%	22%	18%
Q14	Alternative Water Supplies	54	15	10	11	11	6	28%	19%	20%	20%	11%
Q15	Monitoring and Measuring	55	13	15	10	8	8	24%	27%	18%	15%	15%
<b>Financial Assistance</b>												
Q16	Financial Support for Water Conservation Planning	54	27	7	10	5	4	50%	13%	19%	9%	7%
Q17	Financial Support for Water Conservation Implementation	54	27	7	9	7	3	50%	13%	17%	13%	6%

*Population > 10,000*

	Number of Responses	Response					Percent of Responses					
		1	2	3	4	5	1	2	3	4	5	
<b>Informational Needs</b>												
Q1	Information on Water Conservation Planning	85	28	21	24	8	3	33%	25%	28%	9%	4%
Q2	Information on Water Conservation Implementation	85	37	20	19	5	3	44%	24%	22%	6%	4%
<b>Technical Support for Water Conservation Planning</b>												
Q3	General Planning	75	10	17	24	14	9	13%	23%	32%	19%	12%
Q4	Water System Mapping and Evaluations	75	15	15	17	16	11	20%	20%	23%	21%	15%
Q5	Applicability of Specific Measures and Programs	76	18	20	18	13	6	24%	26%	24%	17%	8%
Q6	Financial Analyses (i.e., pricing water)	75	21	16	16	11	10	28%	21%	21%	15%	13%
Q7	Monitoring and Measuring	76	18	23	18	11	5	24%	30%	24%	14%	7%
Q8	Updates and Revisions	75	15	20	20	12	7	20%	27%	27%	16%	9%
<b>Technical Support for Water Conservation Implementation</b>												
Q9	Communications/Publicity/Messaging	77	20	19	20	9	8	26%	25%	26%	12%	10%
Q10	Education	76	21	23	16	8	7	28%	30%	21%	11%	9%
Q11	Outdoor Use	75	22	24	17	5	6	29%	32%	23%	7%	8%
Q12	Indoor Use	75	18	20	19	10	7	24%	27%	25%	13%	9%
Q13	Leak Detection and Repair	76	17	11	25	13	9	22%	14%	33%	17%	12%
Q14	Alternative Water Supplies	76	23	19	14	12	7	30%	25%	18%	16%	9%
Q15	Monitoring and Measuring	76	24	19	18	8	6	32%	25%	24%	11%	8%
<b>Financial Assistance</b>												
Q16	Financial Support for Water Conservation Planning	79	20	20	17	9	12	25%	25%	22%	11%	15%
Q17	Financial Support for Water Conservation Implementation	79	24	20	15	7	12	30%	25%	19%	9%	15%

1 is significant need; 5 is no need

## Section 3 Lessons Learned

During the Water Conservation Workshops, discussions regularly occurred to illuminate lessons learned by the speakers and participants regarding their water conservation planning and implementation experiences. Generally, the lessons learned were identified and in some cases chronicled to help focus conversations and dialogues that will be occurring in the future within various venues (e.g., Office of Water Conservation and Drought Mitigation planning, development of future legislative agendas, etc.). A summary of the chronicled lessons learned from both the Westminster and Berthoud meetings are presented below. These lists present specific “Successes” and “Challenges” that individuals identified regarding their planning and implementation efforts.

### Lessons Learned

#### Planning Successes

Effective planning for water conservation has been found to be invaluable by a number of entities as it relates to the following issues:

- It is cheaper to plan than react!
- Planning helps to create short-term and long-term goals, this in turn helps to frame current activities and long-term needs for senior management, city council and Boards.
- Planning helps to frame how water conservation will be used in conjunction with the other water resources, planning and infrastructure management activities being performed by the city and/or district to compliment one another.
- Planning helps to define what saved water will be used for and how it will be combined with reuse, storage, and other water supply programs to meet future water demand.
- Buy-in from senior utility and/or district management can make huge difference in water conservation if they understand and agree with goals, since they can support funding, FTEs, partnerships, etc.
- Plans must contain costs and cost benefit analyses to help managers, city council, etc. make decisions regarding water conservation program implementation.
- Teaming and partnerships identified during planning can make some water conservation measures and programs more cost effective.
- CWCB Grant program will be critical to some mid to small utility/special district planning efforts.
- Water conservation plans that pull together diverse data from various city and/or district departments can be used by all departments (e.g., public works, engineering, planning, parks) as a resource.
- It is much more cost effective to focus conservation on those measures and programs than create saved water at costs below the price for replacement and/or development of new water.
- There are many resources available to support planning increasing on a daily basis regarding the cost of various measures and programs, the value of education, past successes and failures, etc.

- Planning helps to communicate the value of water and water conservation to the municipality and/or district including the following potential benefits:
  - Extending the water supply
  - Improving system reliability
  - Reducing non-point source pollution
  - Increasing stream flows
  - Creating positive public relations

### **Planning - Challenges**

- Having reliable, accurate, available data upon which to base planning efforts is always a challenge.
- Customer attitudes and behaviors can be slow to change or accept water conservation – plan anyway.
- Resources can be widely dispersed and hard to find.
- There may be legal impediments to implementing some water conservation measures and programs – such as some types of water rate structures, xeriscape (depending on zoning and covenants), land use regulations, etc.
- Internal politics and attitudes may create resistance to effective water conservation planning, if appropriate individuals and/or departments cannot be engaged.
- Climate change impacts and implications may affect the nature and need for water conservation planning.
- A better understanding of customer water use around the 2003 drought needs to be developed (e.g., determine if customer demand has changed permanently).
- Some water billing software may not allow for tiered rate structures, monthly billings, and/or water budgets.
- Regional water conservation planning in Colorado may be needed in some areas, especially in those areas with multiple districts and overlapping jurisdictions.
- A complete understanding of the regional water system with respect to water conservation impacts – e.g., return flow impacts, water quality effects, etc. - is not currently well understood.
- The use of saved water needs to be better evaluated and weighed with respect to improving system reliability, supporting growth, etc.
- The value of water conservation must be balanced with evaluation of other water resources management programs including creation and/or expansion of available storage, instream flow needs, return flows, etc.
- Smaller communities have a particularly acute need for financial support from the CWCB to assist in their planning efforts.

### **Implementation Successes**

Once a plan is in place, implementation can be focused on those measures and programs that will support achieving the identified goals. Examples of implementation issues that have been identified are:

- Start water conservation programs with meters on all customers.

- Implementation efforts must key on effective tracking of customer usage over time to understand the impacts of selected measures and programs, and to determine if water conservation practices effects customer water use.
- Educational programs such as H2O Joe and water festivals work very well to engage the community (all ages, especially K through 12) and compliment all other types of water conservation activities, noting that some of the best educational programs are performed through regional cooperation and partnerships.
- Rebate and replacement programs using high-efficiency toilets, reduced flow urinals, and high-efficiency washing machines have all been very effective programs for many utilities and districts. They are relatively easy to cost and the water savings related to each program can be readily calculated.
- More aggressive water rate structures and water budgets are being implemented in Colorado with growing success. Water budgets have been shown to be equitable for single family residential customers, can be developed where stormwater utilities and other databases on lot size exist, and can be readily “individualized”.
- Inclined block water rates and water budgets can be easily explained to decision-makers and customers, but either program needs to be integrated with educational activities to engage and inform customers.
- Implementation activities typically need to be supported with the resources to field complaints from customers, provide online resources for customers, etc.
- “Slow the Flow”, which is an outdoor residential irrigation audit is a value resource for helping to reduce single-family residential outdoor water waste (see Conservation Resource Center, a Boulder-based non-profit).
- Water conservation is most effective and well received by the community if the water utility and/or district lead by example demonstrating institutional wise water use and water use efficiency.
- CWCB Grant program will be critical to some mid to small utility/special district implementing water conservation measures and programs.
- Create a public relations program that is honest and direct, even if some of the news is bad news.
- Water audits of large water customers can help create good will and save water –especially with respect to outdoor water use by home owner associations.

### **Implementation – Challenges**

- Developing and maintaining expectations can be difficult given that water use savings can fluctuate with weather patterns, customer behaviors, local and regional media messaging, etc.
- Difficult to maintain consistent programs without adequate resources, related to public communications, program enforcement, inspections, rebates, etc. – anything that requires staff involvement or follow-up.
- Need to develop and utilize customer friendly materials, which acknowledge language diversity.
- Difficult to implement developer and contractor training programs (although they are very effective in maintaining control over new construction and retrofits for indoor and outdoor water use).

- Commercial audits often can be met with customer resistance and inaction.
- Homeowner water waste, especially related to automated outdoor watering, is difficult to control if individual homeowners are not engaged.
- High density users (e.g., apartments, nursing homes, schools) often do not have mechanism to encourage wise water use and water use efficiency.
- Difficult to integrate local with other local or regional water conservation measures and programs.
- Metrics are needed to track system water use such as per capita water use, unaccounted for water, non-revenue water, etc.
- Common and widely applied metrics for tracking wise water use and water use efficiency are not readily available.
- Water is under valued.
- Substantial education of the public and elected and appointed officials regarding water, and water issues in Colorado is sorely needed.
- Water ownership is not well understood.
- Uses for saved water, and the means to save water, vary from utility to utility and district to district.
- There is no one-size-fits-all.

## Section 4 Recommendations

The success of the workshops provided insight into additional activities that the CWCB should consider, including:

- Continuing to support the Water Conservation Workshops being conducted by Colorado-based non-profits, water utilities, special districts and water conservancy districts in geographies not previously accessed – including, but not limited to, the Grand Valley, Upper Colorado, Yampa and White River basins, in and near Durango, and the lower South Platte and Arkansas River basins – as these efforts support local water conservation planning and implementation, the 1177 round table dialogue and processes, and the SWSI Phase II efforts.
- Supporting the ongoing water conservation policy dialogue currently occurring as part of the Water Conservation Workshops through the administration and performance of the Office’s various legislative mandates.
- Using information and outcomes obtained during the implementation of the workshops to support legislation that assists the Office in the performance of its legislative mandates.

In addition to these recommendations, the project team has offered the following observations and improvements to the Water Conservation Workshops, some of which will be implemented during the next grant request. The project team observations include program, content, production and promotional improvements.

In general, the Water Conservation Workshops have been a success, based on the attendance, the participant feedback and the current partnership of CWCB and local non-profits. The partnership and the workshops have evolved over time, and will continue to do so as the next group of workshops occurs.

We have seen the following positives as outcomes from the first two phases of the workshops:

- We have had excellent attendance by elected and appointed officials, including state legislators and county commissioners.
- We have seen the educational benefits of engaging IBCC round-table members, municipal and special district managers and other water professionals as workshop participants.
- We have been able to take the feedback received from the workshops and use it to support new legislation.
- We have seen an increase in local and regional networking between the workshop participants.
- We have developed some good press.

We need to continue to evolve the workshop, responding to participant feedback, our observations and the needs of the participants and other local, regional and statewide initiatives. We also need to maintain a continuity of process, which creates the next level of water conservation training and policy dialogue.

Specific improvements that will be made in the coming year include:

### **Program**

- Do not have panels at the end of the day when energy is lowest. We will try and have them throughout the day to keep interactions high and promote more dialogue.
- Lighten presentation load to allow for more networking – at lunch and at other times in the day.
- Have more local involvement – presentations and attendees, since some workshops lacked the local energy and connection.
- Have attendees talk more and the presenters less.
- Improve scheduling of workshops to reduce, when possible, conflicts with other water activities.

### **Content**

- Find ways to make the half day technical session more interactive and less “talking heads” at the front of the room. Find some way to break it up (by changing media, content presentation method, etc.).
- Prepare for engagement of the west slope, rural Colorado and other non-traditional water users. – e.g., regional issues, water quality, and agriculture.
- Develop means to identify more specific entity needs to help the Office with its outreach efforts.

### **Production**

- Too much paper in the notebooks! Reduce notebooks to include just 3 on a slide PowerPoints printed in gray scale. Include CD in notebook of Planning Guidance Document.
- Print notebooks as far ahead of time as possible with only the Technical Workshop content and dividers, using 1-inch notebooks.

### **Promotion**

- Get CFWE Citizens Guide to Water Conservation for distribution at the back of the room rather than in notebooks.
- Have better promotion of CWWC membership
- Promote workshops with more on how workshops fit into larger picture, ... look to collect/use testimonials, develop better and more comprehensive press kits, and have more interaction with the press.
- Try to have better legislative connection – with legislator speakers, Governor’s Cabinet members, etc.
- Look for more opportunities to connect with local elected/appointed officials like the NCWCD evening meeting.

# Water Conservation Workshop

## Westminster Northwest Water Treatment Plant

### November 9 and 10

Workshop Location:

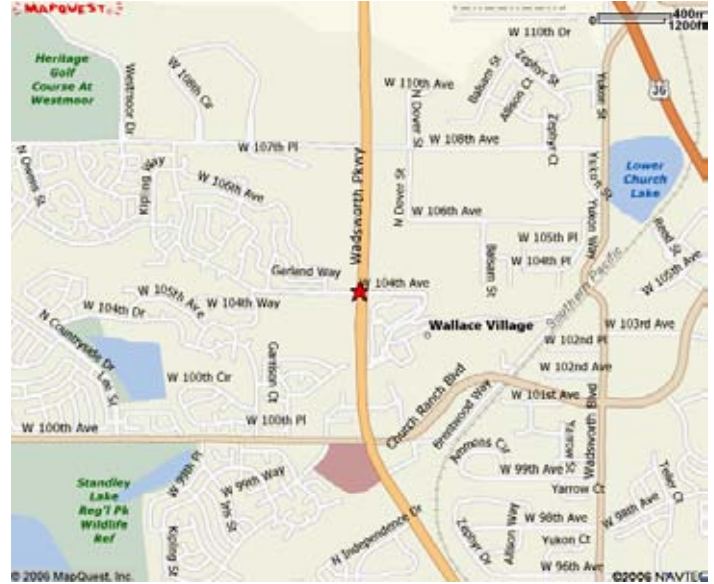
Northwest Water Treatment Plant – At 104<sup>th</sup> and Wadsworth Parkway

Workshop Schedule:

November 9<sup>th</sup> 1 to 4:10 pm – Technical Workshop on Water Conservation Planning and Implementation  
 November 10<sup>th</sup> 9 am to 4:30 pm – Water Conservation Workshop and Forum

Registration

Visit [www.greatwesterninstitute.org](http://www.greatwesterninstitute.org) or call 303.433.1804 to reserve your spot. Space is limited to the first 100 registrants.



### Agenda for the November 9<sup>th</sup> Technical Workshop

- 1:00 – 1:15 Introduction/Workshop Purpose
- 1:15 – 1:40 The Language of Water Conservation
- 1:40 – 2:00 State of Colorado Requirements for Water Conservation Planning
- 2:00 – 2:30 The Nine Planning Steps to More Meaningful Water Conservation
- 2:30 – 2:55 Break
- 2:55 – 3:30 The Nine Planning Steps to More Meaningful Water Conservation (continued)
- 3:30 – 4:00 Colorado Water Conservation Board Planning and Implementation Grant Programs
- 4:00 – 4:10 More Questions and Close

Presenters will include:

Tracy Bouvette	Executive Director of Great Western Institute and primary author of the CWCB Water Conservation Planning Guidance Document
Elizabeth Gardener	Water Conservation Manager for Denver Water, contributing author to the CWCB Water Conservation Planning Guidance Document, Co-founder of the Colorado WaterWise Council
Paul Lander	Water Conservation Specialist for City of Boulder, contributing author to the CWCB Water Conservation Planning Guidance Document, and Co-Founder and Co-Director of the Colorado WaterWise Council
Veva McCaig	Section Chief, Colorado Water Conservation Board Office of Water Conservation and Drought Planning
Bart Miller	Water Program Director, Western Resource Advocates and contributing author to the CWCB Water Conservation Planning Guidance Document

# **Water Conservation Workshop**

## **Westminster Northwest Water Treatment Plant**

### **November 9 and 10**

#### Agenda for the November 10<sup>th</sup> Water Conservation Workshop and Forum

- 9:00 – 9:10 Welcome and Introductory Remarks
- 9:10 – 10:20 Technical Panel and Charette I – Water Conservation Planning – The panel and attendees will discuss successes and challenges of water conservation planning.  
Paul Lander – City of Boulder  
Liz Gardener – Denver Water  
Wayne East – City of Northglenn
- 10:20 – 10:40 Break/Networking
- 10:40 – 12:00 Technical Panel and Charette II – Water Conservation Implementation – The panel and attendees will discuss successes and challenges of water conservation implementation.  
Stu Feinglas – City of Westminster  
Laura Wing – City of Thornton  
Susan Bilo – City of Aurora
- 12:00 – 12:50 Lunch
- 12:50 – 1:30 Keynote Speaker – Tom Plant , Executive Director, Center for Resource Conservation, Recent Past State Representative
- 1:45 – 3:00 Political Panel and Charette I – The Politics of Water Conservation – The panel and attendees will discuss successes and challenges of water conservation from a political perspective.  
Mayor Chris Berry, City of Lafayette  
Commissioner Steve Board, Douglas County Commissioner  
Doug Scott, Recent Past Mayor Cherry Hills Village
- 3:00 – 3:15 Break/Networking
- 3:15 – 4:20 SWSI Panel and Charette I – Update on the SWSI Process – The panel and attendees will discuss water conservation related to Statewide Water Supply Initiative and the Interbasin Compact Commission.  
Veva McCaig – Chief, Office of Water Conservation and Drought Planning, CWCB  
Taryn Cabibi-Hutchins – Western Resource Advocates  
Kelly DiNatale – CWCB Contractor on SWSI, CDM
- 4:20 - 4:30 Q&A/Wrap Up



**Look for our other Workshops coming soon!**

# Water Conservation Workshop

## Northern Colorado Water Conservancy District Headquarters

### December 11 and 12

Workshop Location:

NCWCD Headquarters – 220 Water Ave., Berthoud, CO  
970-532-7700

Workshop Schedule:

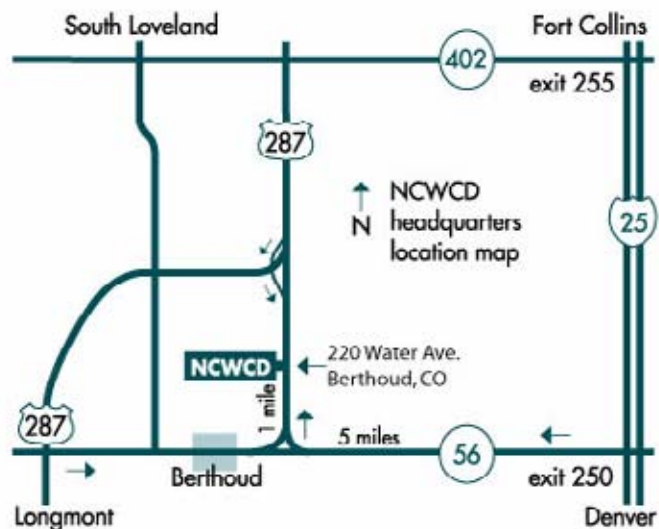
December 11<sup>th</sup> 1 to 4:10 pm – Technical Workshop on Water Conservation Planning and Implementation

December 11<sup>th</sup> 6:30 to 9 pm – Water Conservation Policy Dialogue (invitation only)

December 12<sup>th</sup> 9 am to 4:30 pm – Water Conservation Workshop and Forum

Registration

Visit [www.greatwesterninstitute.org](http://www.greatwesterninstitute.org) or call 303.433.1804 to reserve your spot. Space is limited to the first 100 registrants.



### Agenda for the December 11<sup>th</sup> Technical Workshop

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- 4:00 – 4:10 More Questions and Close

Presenters will include:

Tracy Bouvette	Executive Director of Great Western Institute and primary author of the CWCB Water Conservation Planning Guidance Document
Elizabeth Gardener	Water Conservation Manager for Denver Water, contributing author to the CWCB Water Conservation Planning Guidance Document, Co-founder of the Colorado WaterWise Council
Paul Lander	Water Conservation Specialist for City of Boulder, contributing author to the CWCB Water Conservation Planning Guidance Document, and Co-Founder and Co-Director of the Colorado WaterWise Council
Veva McCaig	Section Chief, Colorado Water Conservation Board Office of Water Conservation and Drought Planning
Bart Miller	Water Program Director, Western Resource Advocates and contributing author to the CWCB Water Conservation Planning Guidance Document

# Water Conservation Workshop

## Northern Colorado Water Conservancy District Headquarters

### December 11 and 12

#### Agenda for the December 12<sup>th</sup> Water Conservation Workshop and Forum

- 9:00 – 9:10 Welcome and Introductory Remarks
- 9:10 – 9:30 History of Water Conservation, Tracy Bouvette, *Great Western Institute*
- 9:30 - 10:00 Water Rate Structures in Colorado – A Tool for Water Use Efficiency, Taryn Hutchins-Cabibi, *Western Resource Advocates*
- 10:00 - 10:30 Outdoor Water Audits for Individual Homeowners, Kara Csibrik, *Center for Resource Conservation*
- 10:30 – 10:45 **Break/Networking**
- 10:45 – 11:20 Landscape Ordinances and Control in Castle Rock, Mark Scott, *Castle Rock Utilities*
- 11:20 – 11:55 Outdoor Laboratory for Landscape Irrigation Education (OLLIE), Brent Mecham,, *Northern Colorado Water Conservation District (NCWCD)*
- 11:55 – 12:45 **Lunch**
- 12:45 – 1:30 **Keynote Speaker – Floyd Ciruli, Ciruli and Associates**, Public Opinions on Water Conservation in Colorado
- 1:45 – 2:15 Water Conservation and Demand Hardening, Veva McCaig, *Office of Water Conservation and Drought Planning, CWCB*
- 2:15 – 2:45 Regional Collaboration on ICI Water Conservation Planning and Implementation, Judy Dorsey, *Brendle Group*
- 2:45 - 3:15 Water Conservation and the Statewide Water Supply Initiative, Bart Miller, *Western Resources Advocates*
- 3:15 – 3:30 **Break/Networking**
- 3:30 – 4:25 Talking to Your Board and Elected Officials – The panel and attendees will discuss how to talk to your board and elected officials regarding water conservation planning and implementation
- Paul Lander – *City of Boulder, Water Conservation Specialist, Co-Chair of the Colorado WaterWise Council*
- Melissa Elliott – *Aurora Water, Manager of Public Relations*
- Brent Mecham – *NCWCD Water Conservation Specialist*
- 4:25 - 4:30 Q&A/Wrap Up



**Look for our other Workshops coming in 2007!**

**Water Conservation Workshops  
Attendance Lists  
Great Western Institute**

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**Water Conservation Workshops  
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