

07/08/08	& 7/15/08
Time Start: 11:00 am	Time Start: 10:00 am
Time Stop: 12:00 pm	Time Stop: 12:15 pm

Teleconference Call:

Work Group 2 Metrics & Trends

~ Monitor Trends in Water Conservation Implementation & Monitor Target & Goal Guidelines

Council Members , Alternates & Interested Parties

Karen Guz Mary Gugliuzza
 Greg Carter Mark Olson
 Donna Howe
 Ken Kramer
 Gene Montgomery
 Jim Parks
 C.E. Williams
 Scott Swanson
 Comer Tuck
 Linda Christie

TWDB Staff

Vanessa Escobar
 Bridget Cameron
 Aung Hla
 Dan Hardin

The meeting was called to order at 11:00 am 7/8/08 and roll call was taken.

The workgroup discussed the various versions of flowcharts that were received. There was much discussion about the division of major categories of water use. The workgroup felt that a flowchart should be applicable to a wholesaler, retailer, and self supplier. *Unaccounted for/ Unmetered* and *Reuse* were two additional categories of discussion. There was some question as to whether the flowchart would need to be two separate flow charts. The workgroup felt that it was important to keep the flowchart in line with the reporting needs of the Texas Commission on Environmental Quality (TCEQ) and Texas Water Development Board (TWDB).

The workgroup decided that they would like to set aside some time in person to have some follow up discussion about the design and organization of the flow chart.

The workgroup continued on with the conference call and discussed the definitions of each water use category. There were some suggestions, additions, and word revisions offered. Karen Guz agreed to compile all those comments and revise the definitions. Those definitions are to be included in the next round of drafts.

The meeting adjourned at 12:00 pm 7/8/08.

Notes from a Follow Up Discussion

The follow up discussion began at 10:00am 7/15/08.

The group felt that the main parts where they really needed to focus on were the major groups of water use categories. It was agreed that all potential major water uses should be able to fall into a category. The group attempted to develop a flowchart that

reflected the reporting needs of TCEQ, reflected the reporting needs of TWDB, and reflected the reporting needs that the Water Conservation Advisory Council (Council) would need to measure and track water conservation trends. It was agreed that every major category deserves an *unaccounted/ unmetered* sub category because there are water losses at every diversion. It was decided that the workgroup would also incorporate a *Non-Ag Outdoor Uses* category into the flow chart. It was emphasized that for the Council's purposes there needs to be more detail and subdivision of categories so that entities can identify where the water is being used and where the conservation needs to be targeted.

The workgroup developed a flowchart and draft form, both of which attempt to address major end uses of water. The group envisions that the form will compliment the flowchart and assist water providers in gathering and providing data on end usage. The form is intended to be user friendly in design and layout. As the form is being developed and further refined the group would like to seek feedback from water providers as well as retail utilities on the functionality and design. Long term objectives for the flowchart would include more detail and subdivision, along with the appropriate metrics.

The Follow Up discussion adjourned at 12:15 pm 7/15/08.

Immediate Actions	Long Term Actions
Gene Montgomery will work in further detail on merging the revised flow chart with a form.	
The workgroup has an ongoing effort to refine the existing definitions table and incorporate the suggestions made to the table.	

Supply

Surface Water Diverted

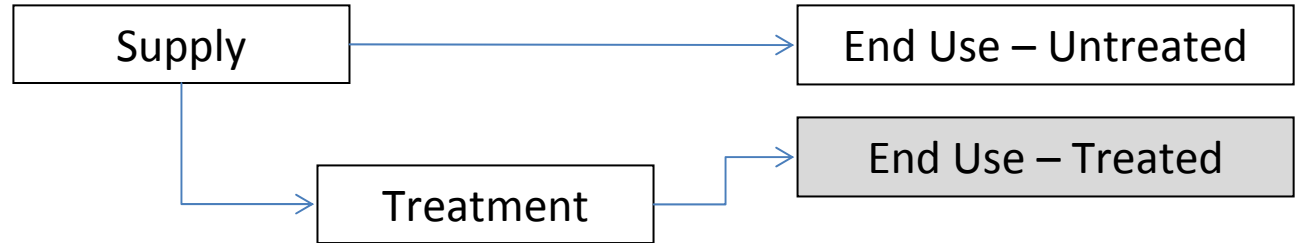
Groundwater Withdrawn

Recycled Water

Water Returned for Reuse

Purchased Water

Water Flow Chart



Municipal Use	Agricultural Use	Non-Ag Outdoor Use	Industrial Use	Unaccounted/ Unmetered
Residential	Crop Irrigation	Public/Private Golf Courses	Mining	
Commercial	Livestock	Wildlife	Electric Power Generation	
Institutional	Concentrated Animal Feeding	Wetlands	Refining	
Public/Recreation	Ag Products storage/processing	Unacct/ Unmetered	Chemical Manufacture	
Wholesale	Aquaculture		Electronics	
Reuse	Silviculture		Food Processing	
Unacct/ Unmetered	Unacct/ Unmetered		Timber & Wood Products	
Industrial			Equipment/Automotive/ Aircraft	
			Other Industry/ Manufacturing	
			Unacct/ Unmetered	

Water Supply & Use Report

Water Provider Role:

Self Supplier	Wholesaler	Retail
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If your entity has more than one Water Provider Role, please fill out a separate and individual form for each type.

LEGEND
UNTREATED WATER
TREATED WATER

Water Provider:

Water Volume Units:

Date:

Supply:	Total	Surface Water Diverted	Groundwater Withdrawn	Reuse/Recycle	Purchased Water	Unacct/ Unmetered

Respond to this section only if your entity is responding as a Wholesaler, or Self Supplier Water Provider Role.

For the selected Water Provider Role above, please provide figures for all applicable types of diversions that correspond to that particular Water Provider Role within the entity.

Diversions Type:	Municipal Uses	Industrial Uses	Agricultural Uses	Non Ag Outdoor Uses	Reuse	Unacct/ Unmetered

Respond to this section only if your entity is responding as a Retail Water Provider Role.

Municipal Use	Agricultural Use	Non-Ag Outdoor Use	Industrial Use	Unacct/Unmetered
Residential	Crop Irrigation	Public/Private Golf Courses	Mining	
Commercial	Livestock	Wildlife	Electric Power Generation	
Institutional	Concentrated Animal Feeding	Wetlands	Refining	
Public/ Recreation	Ag Products storage/processing	Unacct/ Unmetered	Chemical Manufacture	
Wholesale	Aquaculture		Electronics	
Reuse	Silviculture		Food Processing	
Unacct/ Unmetered	Unacct/ Unmetered		Timber & Wood Products	
Industrial			Equipment/Auto-motive/ Aircraft	
			Other Industry/ Manufacturing	
			Unacct/ Unmetered	

"Unaccounted/Unmetered" volumes are included in the supply summary, as a fifth major use category and as separate minor categories in each of the other major use categories such that:

- Total Supply volume must balance
- Total Untreated water supply must equal sum of all untreated water uses
- Total Treated water supply must equal sum of all treated water uses

Residential Use Breakdown					
	Total	Outdoor	Indoor	Persons per Home	# of Homes
Single Family					
Multi-Family					
				Residential GPCD =	
RESIDENTIAL TOTAL USE					

Commercial Use Breakdown			
Commercial Use	Total	Outdoor	Indoor
			Commercial GPCD =