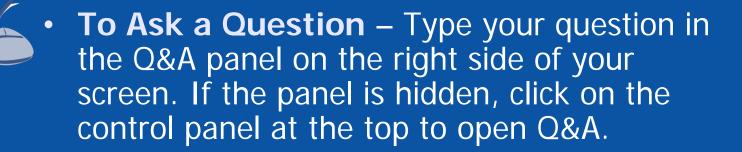




www.epa.gov/cupss cupss@epa.gov



Helpful Tips for Today's Session



• To Answer a Poll Question – Choices will be in the poll panel on the right side of the screen. If the panel is hidden, click on the control panel at the top to open the poll.



Today's Panel

Susanna Bains, ORISE Fellow, USEPA

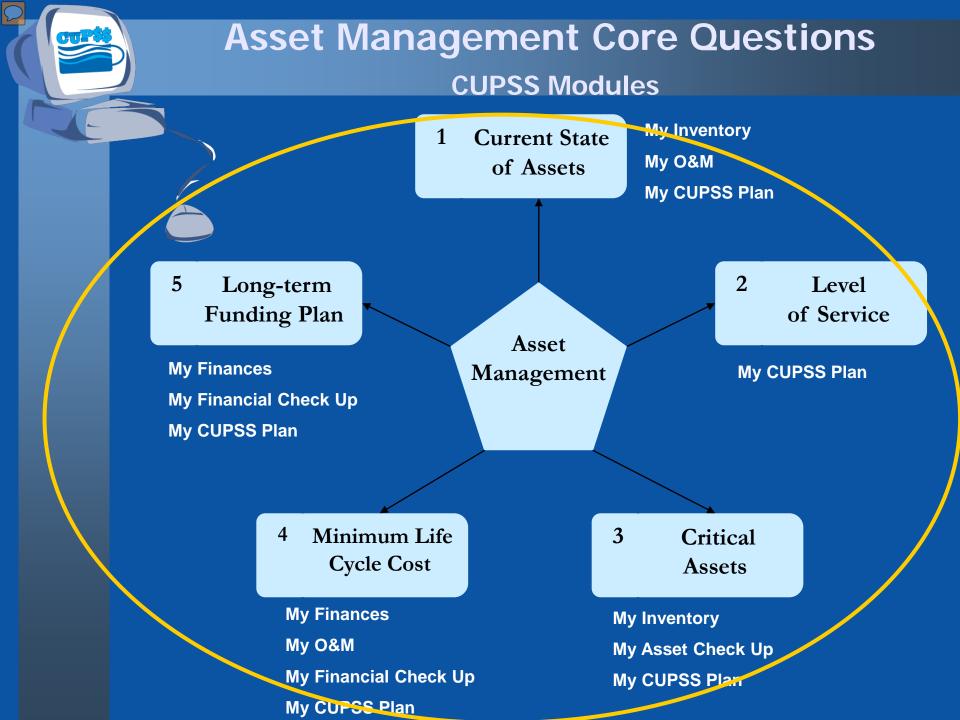
Adrienne Harris, USEPA



Today's Agenda



- Session 2 Summary
- Session 2 Your CUPSS
- Session 2 Quiz
- Session 3
 - My CUPSS Plan
 - Tips and Tricks for Trainers
 - Troubleshooting
 - Advanced Features
- Final Test of Knowledge
- Session 3 Your CUPSS





Session 2 Summary





Your CUPSS - Review

- 1) My O&M
 - 1.1) Add a task for an existing asset
 - 1.2) Change an existing daily task to be a weekly task
- 2) My Finances
 - 2.1) Enter a new Type of Cost line item for the year 2008, "Revenue from loans/bonds" for a Budgeted Amount of \$5,000 ("5000") and an Inflation Rate of 10% (".10")
- 3) My Financial Check Up Report
 - 3.1) In Page 1, make sure the starting point is on the default year 2008.
 - 3.2) In Page 2, change numbers as indicated in the table on the next page (of handout).
 - 3.3) Click "Generate Report" to print a report of what is now entered into CUPSS.



1. A task is always associated with an asset.

A. True

B. False



1. A task is always associated with an asset.

A. True

B. False



- 2. Once tasks are entered, where are they shown?
- A. Asset Risk Matrix
- B. Schematic
- C. Calendar



2.Once tasks are entered, where are they shown?

- A. Asset Risk Matrix
- B. Schematic
- C. Calendar



3. What type of information can you generate a report for on the Search and Report page?

- A. Assets
- B. Tasks
- C. Both Assets and Tasks



3. What type of information can you generate a report for on the Search and Report page?

- A. Assets
- B. Tasks
- C. Both Assets and Tasks



Today's Agenda



- Session 2 Summary
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 - My CUPSS Plan
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 - Advanced Features
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- Session 3 Your CUPSS



Goals of Session 3

Become familiar with the steps in developing an asset management plan

Generate a custom asset management plan

Learn about different troubleshooting tips to help you along the way

Get the most out of CUPSS with advanced features



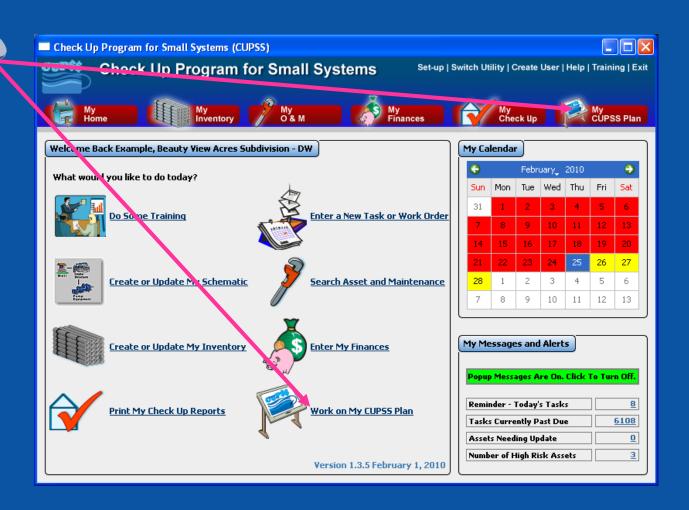
MY CUPSS PLAN

Benefits to My Utility

CUPSS provides you with the ability to create a single asset management plan for up to two utilities. CUPSS step by step wizard provides boiler plate text to help develop the Asset Management Plan saving you time while providing you with the flexibility to create a customized plan. All of the information previously entered in CUPSS is referenced in the plan.



Navigate to My CUPSS Plan





My CUPSS Plan

Beauty View Acres Subdivision - DW CUPSS Plan

Click on the "Begin a New My CUPSS Plan" button to start a new plan. To view or edit a previous version, right click on the entry in the table below and select "Edit Row". If you would like to delete a previous version, select "Delete Row".

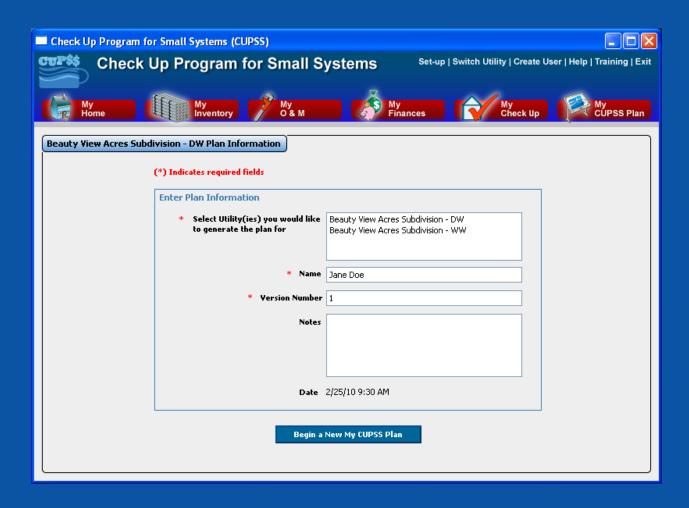
Begin a New My CUPSS Plan

Recent Version Changes

Person	Title	Version	Notes	Date Added
BDUNLEVY	Bob	1		4/3/2008
BDUNLEVY	bdunlevy	1		4/9/2008



Plan Information





My CUPSS Plan Wizard

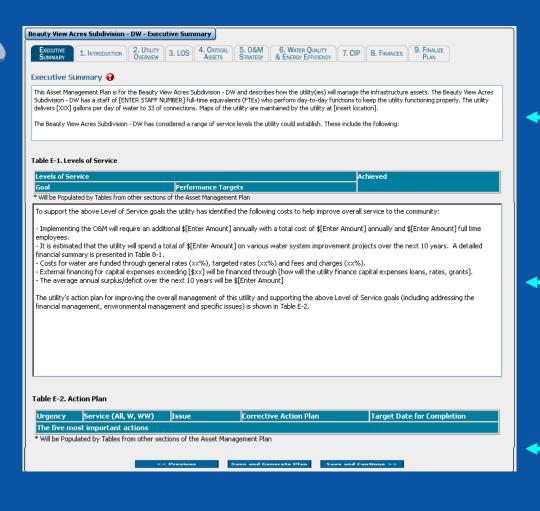


<< Previous Save and Generate Plan Save and Continue >>





Executive Summary



Executive Summary

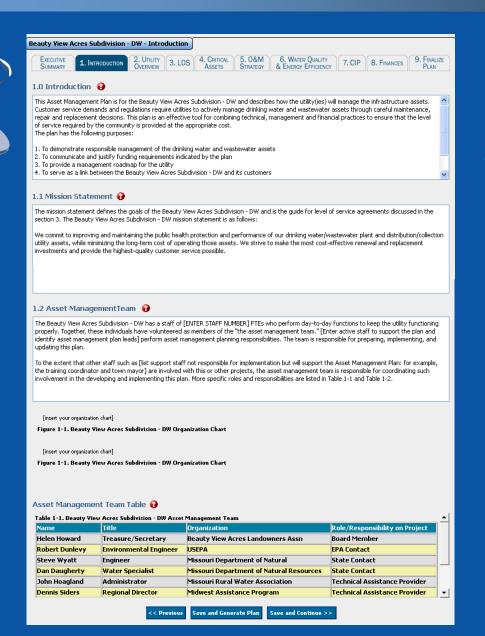
Levels of Service

Action Plan





Tab 1. Introduction



Introduction

Mission Statement

Asset Management Team





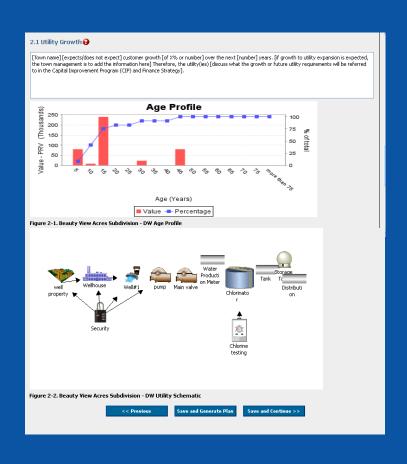
Tab 2. Utility Overview

Beauty View Acres Subdivision	on - DW - Utility (Overview							
EXECUTIVE SUMMARY 1. INTRODUCTION	ON 2. UTILITY OVERVIEW 3	3. LOS 4. CRITICAL ASSETS	5. O&M STRATEGY	6. WATER QUALITY & ENERGY EFFICIENCY	7. CIP	8. FINANCES	9. FINALIZE PLAN		
2.0 Utility Overview 🚱									
The Beauty View Acres Subdivis	sion - DW serves [in:	sert community names] with a popul	ation of [insert community	/ populatio	n]. The followin	g table		
demonstrates key statistics abo	out the utility and th	e population is serves	. Maps of the (utility are maintained by t	he utility a	t [insert location	1].		
Table 2-1. Beauty View Acre	es Subdivision - D	W Utility Overview							
Drinking Water									
Water Supply Connections 🕢									
Residential Facilities connected to po	table water Goals					No.			
Commercial Facilities connected to p	otable water Goals					No.			
Industrial Facilities connected to pota	able water Goals					No.			
The Drinking Water Network									
Asset Type		nit		Description			[
Wells and Springs		umber		1					
Pumping Equipment		umber		2					
Disinfection Equipment		umber torage Capacity Days		0					
Concrete & Metal Storage Tanks Distribution / Collection Mains		=	y Days U		-				
Buildings		umber			-				
Lab / Monitoring Equipment		umber		1					
Security Equipment	N	umber		1					
Land	A	cres		0	▼				
General Water Supply Informa									
Number of Connections	33	33		No.					
Storage Capacity 🚱				MG	MG				
Reserve Storage 🚱				Days					
How Sourced 🚱				Descr.					
interconnected 🚱				Descr (if yes)					
Water loss and Inflow / Infiltration 🍕	9								
				Descr.					
				- 40411					
Total Volume Produced				Gallons /Day					
Total Volume Sold				Gallons /Day					
Average / Peak Daily Consumption				Gallons /Day					
Water Supply Asset Values 🚱	1								
Replacement Value	\$431,450			\$000,000					
Depreciated Replacement Value	\$233,904	\$233,904		\$000,000	\$000,000				

Utility Overview



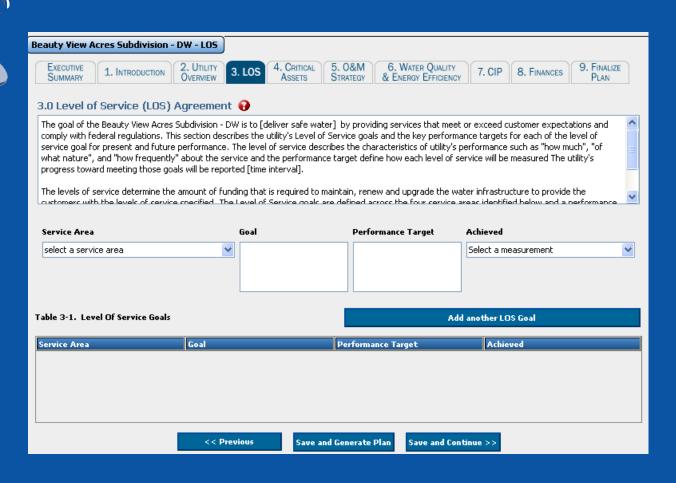
Tab 2. Utility Overview, cont.



Utility Growth



Tab 3. Level of Service (LOS) Agreement





Why Identify LOS Goals?



 Meeting or exceeding customer expectations helps you improve your ability to recover the appropriate cost of doing business





S.M.A.R.T. Goals





By using the SMART approach, a utility can not only **set** goals but also **achieve** them.

Here is an example: You have an issue area of "leak or break response time" Your current response time is 24 hours.

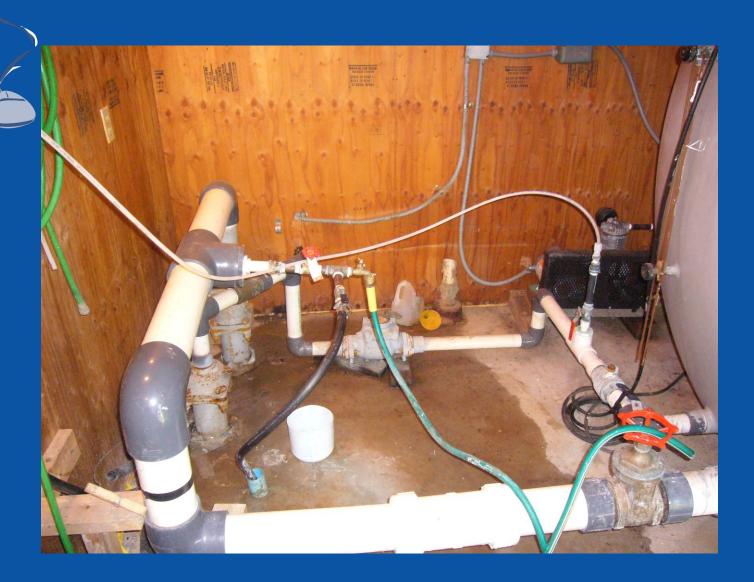
Specific Goal: Reduce the leak or break response time by 50%

Goal Date: One year

First Step: Convene a meeting of all utility staff to discuss why the response time

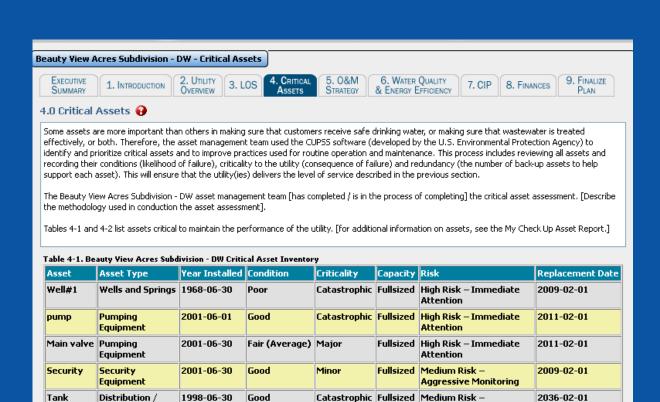
is currently 24 hours

Beauty View Acres





Tab 4. Critical Assets



<< Previous

Collection Mains

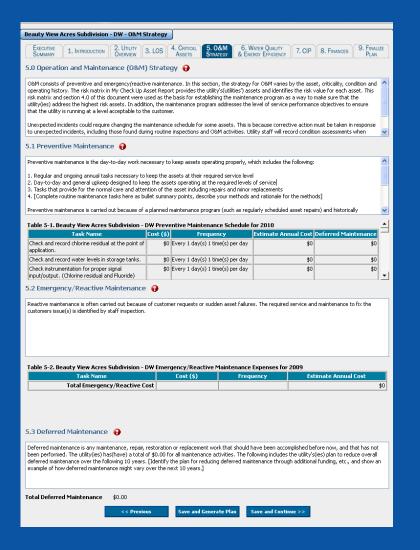
Save and Generate Plan

Save and Continue >>

Aggressive Monitoring



Tab 5. Operation and Maintenance (O&M) Strategy



O&M Strategy

Preventive Maintenance

Emergency/Reactive Maintenance

Deferred Maintenance

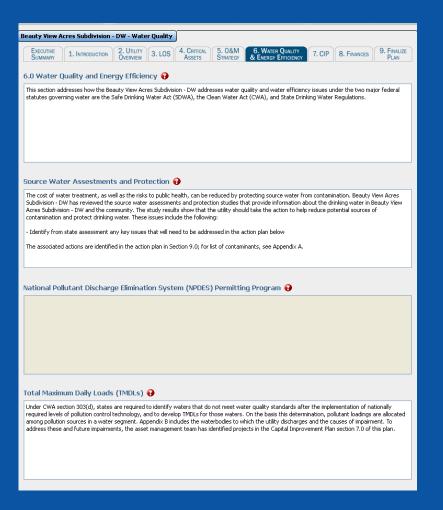
Beauty View Acres







Tab 6. Water Quality and Energy Efficiency



Water Quality and Energy Efficiency

SWP and Assessments

NPDES Permitting Program

TMDLs





Tab 6. Water Quality and Energy Efficiency, cont.

6.1 Implementation Strategy to Protect Watersheds Water Quality Monitoring Strategy 🚱 Water quality monitoring provides the data to characterize waters and identify changes or trends in water quality over time. The collection of monitoring data enables Beauty View Acres Subdivision - DW to identify existing or emerging water quality problems and determine whether current pollution control mechanisms are effective in complying with the regulations. [Name of utility] uses the [Continuous basis at regular sites (i.e., fixed stations)/ Asneeded basis at selected sites, to answer specific questions/ Temporary or seasonal basis; at random sites throughout an area or state/ Emergency basis (such as after a spill)] monitoring strategy and findings are included in the CUPSS application. The monitoring assets are included in Section 2.0 Utility Overview and tasks associated with water quality monitoring are included in Section 5.1. Water and Energy Efficiency 🚱 The water and energy sectors are highly interdependent. Customers use enormous amounts of energy to withdraw, treat, and distribute water. Identifying approaches to integrate energy efficient practices into the daily management and long-term planning for our utility also contribute to the long-term sustainability of water infrastructure by reducing operation costs and adding to a utility's bottom line. Beauty View Acres Subdivision - DW is initiating the following steps to encourage water and energy efficiency to aid in forestalling future large capital expenditures in infrastructure and have identified several water and energy efficiency capital improvement project with a total cost of [Enter Costs]: - Participating in off-peak pumping - Securing adequate storage Purchasing efficient pumps and motors Properly sizing equipment to its intended duty/load requirement Best Management Practices (BMPs) 🚱 Adopting BMPs is an emerging trend among the water utility industry. Widespread adoption of better management practices offers great promise to reduce costs and direct system investments using a risk-based approach. BMPs are inherently pollution prevention practices. The asset management team has considered installing several types of BMPs. They include a total implementation cost of [Enter Cost] and conduct BMP activities throughout its preventive maintenance. Save and Generate Plan | Save and Continue >>

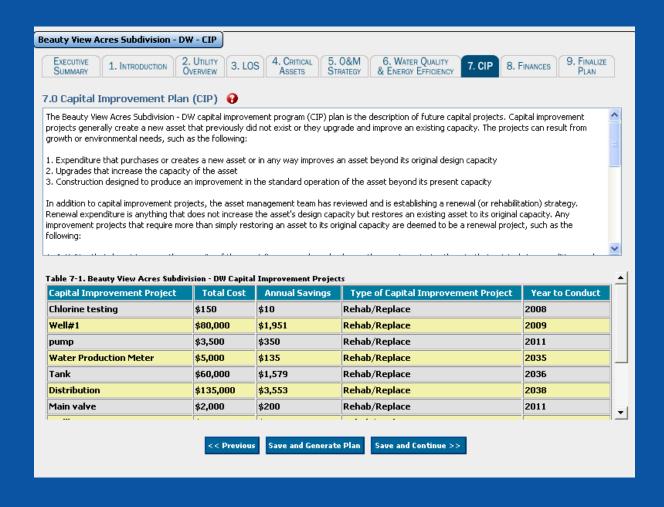
Water Quality
Monitoring Strategy

Water and Energy Efficiency

Best Management Practices



Tab 7. Capital Improvement (CIP) Plan





Tab 8. Financial Management Strategy



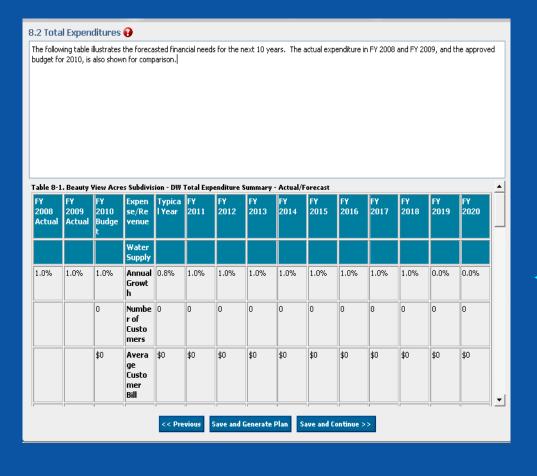
Financial
Management
Strategy

Forecast Summary





Tab 8. Financial Management Strategy, cont.



Total Expenditures

Beauty View Acres







Tab 9. Finalize Plan

Beauty View Acres Subdivision - DW - Finalize Plan
SUMMARY 1. INTRODUCTION OVERVIEW S. LOS ASSETS STRATEGY & ENERGY EFFICIENCY 7. CIP 6. FINANCES PLAN
9.0 Action Plan 🚱
The Beauty View Acres Subdivision - DW Asset Management Plan refers to many objectives, targets, maintenance and improvements for the utility. Table 9-1 brings all these items together to clearly identify the actions required to successfully implement the Asset Management Plan. For example action items, see Appendix F.
Action Plan Table 🚱
Priority Urgency Service Performance Target Status Final Completion Date Target Date
Issue Corrective Action
Add another Action Item
Table 9-1. Action Items Priority Urgency Service Issue Corrective Action Performany Target No. Target Date Status Final Completion
9.1 Review Schedule 🚱
The Beauty View Acres Subdivision - DW is/are scheduled to review this plan annually and update the community on new information and changes on 02/25/2010.
02/25/2010 CUPSS recommends once per year)
Appendices
Appendix A. Contaminant List
Appendix B. Impaired Waterbodies and/or TMDLs List
Appendix C. Financial History
Appendix D. Financial Ratios
Appendix F. Glossary
<< Previous Save and Generate Plan Save and Continue >>

Action Plan

Action Items

Review Schedule

Appendices



CUPSS Example

Q&A on My CUPSS Plan



Poll Question



1. How did you hear about CUPSS?

- A. State agency
- B. EPA HQ or Regional office
- C. Technical Assistance Provider
- D. Another utility
- E. Other



Poll Question



2. Which module would you like to see more training on?

- A. My Finances
- B. My Inventory
- C. My O&M
- D. My Check Up Reports
- E. My CUPSS Plan



TROUBLESHOOTING





Common Technical Questions



- Will all the data I've entered be lost if I download a new version of CUPSS?
 - The data that you entered in the 'Your CUPSS' database will not be deleted by downloading a new version of CUPSS.
 - Why was the example database overwritten when updating the CUPSS application to the latest version?
 - Updating CUPSS will not overwrite your personal CUPSS database but it will override the Example Database.



Common Technical Questions



- Why do I get an error when my computer is idle and activates the screensaver or hibernate mode?
 - When Windows enters power saving mode it closes the connection to CUPSS database and the system generates an exception. You will need to end all the CUPSS processes before opening the CUPSS application again.

I can't download CUPSS to Windows 7 or Vista!

or

- I can download but it only gets to 33% and then stops!
 - Yes you can actually download CUPSS! You just have to have administrative privileges to download to your C Drive or need to download it to your My Documents folder



More Troubleshooting Tips

How do I get rid of an Exception Debug Error?



Close the existing application and then reinstall CUPSS.

How can I make CUPSS work when I do not have administrative privileges to the computer?

Have your administrator give you full read and write access to the CUPSS folder.

Why can't I backdate items on the calendar?

The completion date cannot be before the start date. If you need to enter a completion date that occurs prior the current date, change the start date for that task to a date on or before the desired completion date.



More Troubleshooting Tips



- Why can't I enter currency signs, commas or percent signs to certain text fields?
 - Percentages and Currencies: number with up to 2 decimal places
- How do I enter dollar amounts?
 - \$1,234.00 should be entered as 1234.00 or 1234, not as 1,234, \$1234 or \$1,234









More Troubleshooting Tips



- Dates: MM/DD/YYYY, and
- December 2, 1999 should be entered as 12/02/1999
- What if I only know the year?
 - -01/01/2008





CUPSS Website



www.epa.gov/cupss

- Basic Information
- Frequent Questions
- CUPSS Software
- Resources
- CUPSS Glossary





Listservs



- Register for the user's listserv
- Receive email updates of software enhancements

Trainer's Listserv

- Register for the Trainer's Listserv
- Receive email updates of training opportunities
- Network with trainers like you!



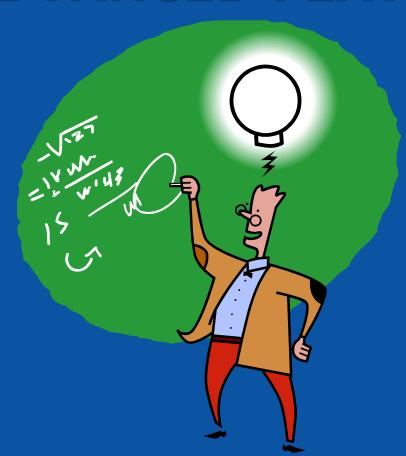
Email a CUPSS Expert

cupss@epa.gov

- Enter in Subject line:
 - Technical Question
 - Training Question
 - Enhancement Request
 - Comment
 - Issue
- If it is an issue or bug report
 - Provide step-by-step what you were doing when you received the error
 - Attach a screen shot of the error when possible.

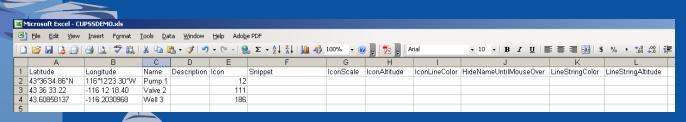


ADVANCED FEATURES





GIS and CUPSS

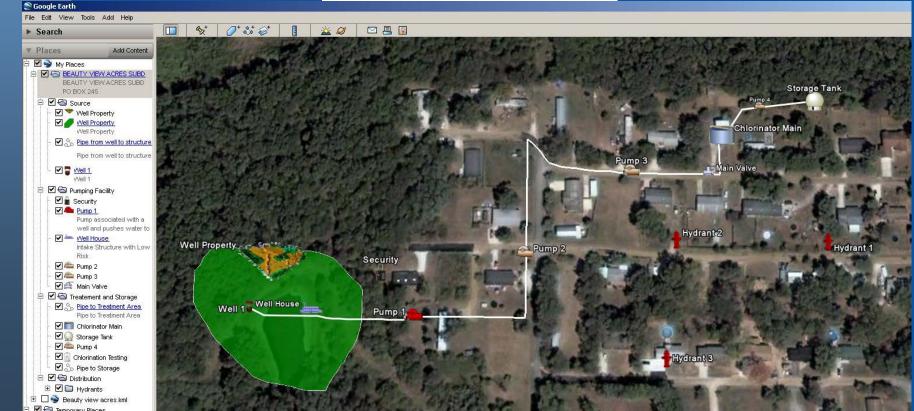


Excel To KML - Display Excel files on Google Earth.

Export a spreadsheet of lat/long coordinates to Google Earth. Pop-up balloons, icons, and paths are easily created from the spreadsheet data.

NEW: Support added for Excel 2007 files.

Direction arrows for GPS tracks. Read blog article ...





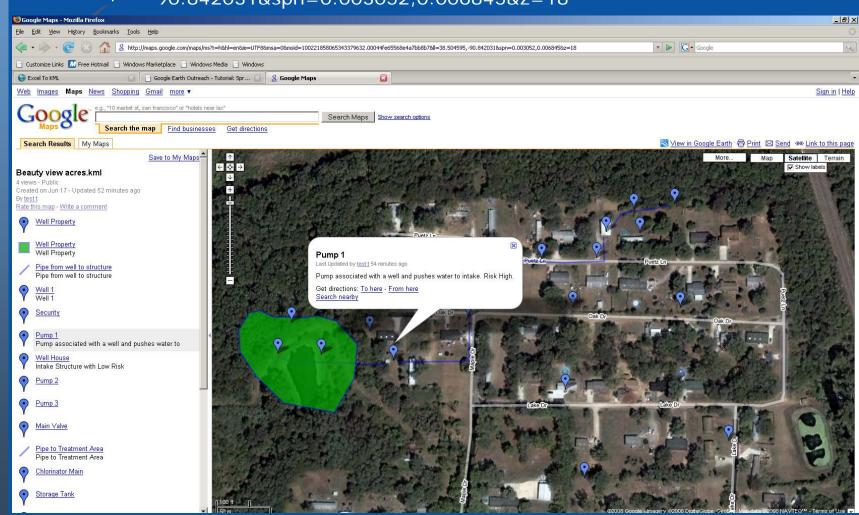
Publish to Google Earth



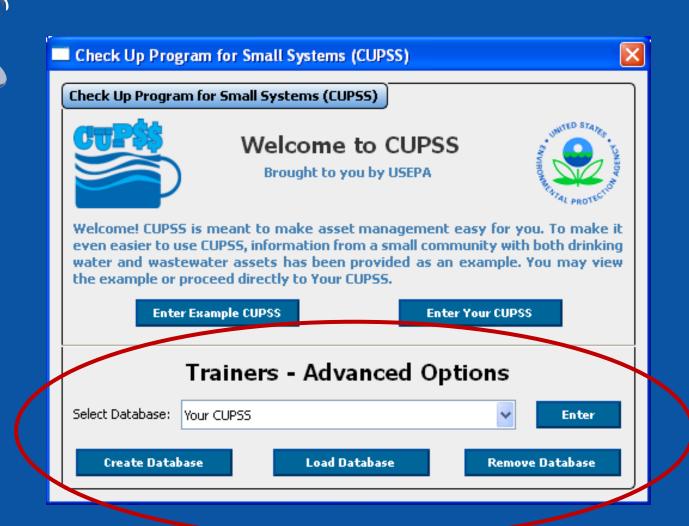


Publish to Google Maps

http://maps.google.com/maps/ms?t=h&hl=en&ie=UTF8&msa=0&msid=100 221858065343379632.00044fe65568e4a7bb8b7&II=38.504595,-90.842031&spn=0.003052,0.006845&z=18









Share CUPSS Transfer Database to a Utility



 Go to the application folder (default C:\Program Files\CUPSS), enter the database folder, and copy the Cupss folder to a backup location of your choice

Restore at the utility

 Go to the folder where you saved a backup copy of the CUPSS folder. Copy the entire CUPSS folder back into the application database folder (default C:\Program Files\Cupss\database); overwriting all the existing files



Share CUPSS Over a Network

Use CUPSS on a:

Personal computer's desktop

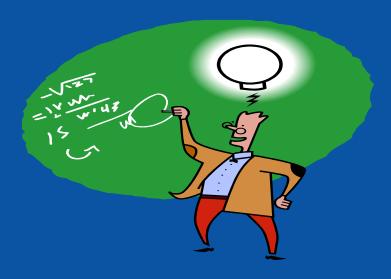
OR

Common network





ADVANCED FEATURES



DEMO





Today's Agenda



- Session 2 Summary
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- Session 2 Quiz
- Session 3
 - My CUPSS Plan
 - Tips and Tricks for Trainers
 - Troubleshooting
 - Advanced Features
- Final Test of Knowledge
- Session 3 Your CUPSS



1. In My Inventory, when you enter an asset in the Inventory List, does it automatically appear in the My Schematic section?

A. Yes

B. No



1. In My Inventory, when you enter an asset in the Inventory List, does it automatically appear in the My Schematic section?

A. Yes

B. No



- 2. In My O&M, the task types include options under the following two categories:
 - A. Written down and Printed off
 - B. Proactive and Reactive
 - C. Planned and Unscheduled
 - D. Present and Past



- 2. In My O&M, the task types include options under the following two categories:
 - A. Written down and Printed off
 - B. Proactive and Reactive
 - C. Planned and Unscheduled
 - D. Present and Past



- 3. In Search and Report, what option would you use to generate a report that shows all the tasks that you need to perform next week?
 - A. Task Date Range
 - B. Asset Category
 - C. Task Type
 - D. Task Status



3. In Search and Report, what option would you use to generate a report that shows all the tasks that you need to perform next week?

- A. Task Date Range
- B. Asset Category
- C. Task Type
- D. Task Status



- 4. In My Finances, what is a good way to see how your revenues and expenses fluctuate over the years?
 - A. Revenues section
 - B. Graph It button
 - C. Expenses section
 - D. Import Data From Previous Year button



- 4. In My Finances, what is a good way to see how your revenues and expenses fluctuate over the years?
 - A. Revenues section
 - B. Graph It button
 - C. Expenses section
 - D. Import Data From Previous Year button



Your CUPSS

My CUPSS Plan

(*For the Session 3 Your CUPSS Assignment, use the example system 'Beauty View Acres Subdivision – WW.' For each of the instructions below, add your utility's specific information.)

- 1) Familiarize yourself with the content and language within the ten steps in the My CUPSS Plan. Under each of these steps, perform the following:
 - 1.1) Identify the brackets [] where you can fill in further information for a specific utility. Fill in some of the brackets with your utility information.
 - 1.2) Identify sentences or paragraphs that don't apply to a specific utility. Practice modifying or removing some of these sentences or paragraphs to better reflect your utility's practices.
 - 1.3) Identify areas where it indicates additional information should be added. Insert additional information about some of your utility's processes and procedures.
- 2) After making all of the modifications, click 'Save and Generate Plan'. Email a copy of your My CUPSS Plan to cupss@epa.gov



Contacts for CUPSS



Want more information about CUPSS?

Website:

www.epa.gov/cupss

Email: cupss@epa.gov





Using the Trainer's Listserv

- Designed for networking between trainers
 - Request speakers to come to your training event
 - Share training tips and lessons learned
 - Identify other trainers in your area
 - Post future training events
- CUPSS Website-"Training Events"



Certificate of Completion



Want a certificate to show you attended this three-part series of CUPSS Trainings?

Requirements:

 Completed and emailed all three homework assignments to cupss@epa.gov