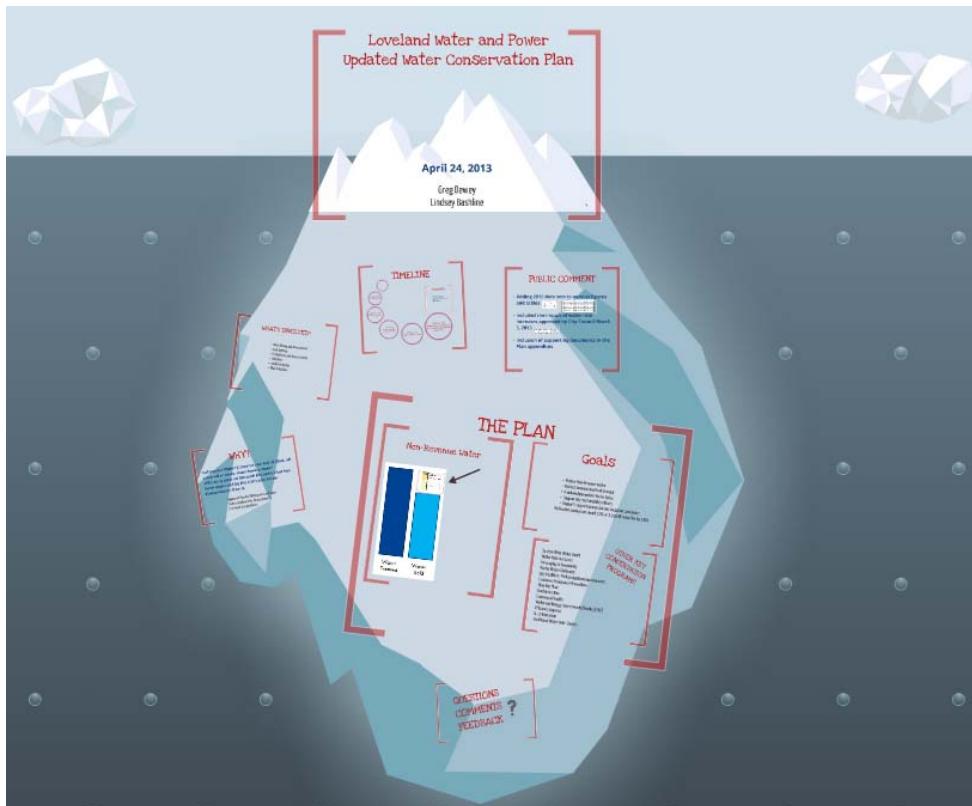


Loveland Water and Power Updated water Conservation Plan

April 24, 2013

Greg Dewey
Lindsey Bashline



WHY?

Colorado's Water Conservation Act of 2004, all covered entities, must have a water efficiency plan on file with the state that has been approved by the Colorado Water Conservation Board.

Approved Plan for CWCB grants and loans
State compliance for future projects
Community expectation

WHAT'S INVOLVED?

- Data Mining and Assessment
- Goal Setting
- Evaluations and Assessments
- Selection
- Implementation
- Plan Adoption

THE PLAN

Non-Revenue Water



Goals

- Reduce Non-Revenue Water
- Reduce Summertime Peak Demand
- Maintain Appropriate Water Rates
- Support city sustainability efforts
- Support Largest Commercial and Irrigation Customers

Estimated savings are about 11% or 1,750 AF reduction by 2020

OTHER KEY CONSERVATION PROGRAMS

- System Wide Water Audit
- Water Rate Increases
- Messaging to Community
- Water Waste Ordinance
- City Facilities - Parks Irrigation Improvements
- Customer Assistance/Promotions
- Slow the Flow
- Garden in a Box
- Commercial Audits
- Water and Energy Assessments/Audits (LCCC)
- Efficiency Express
- K-12 Education
- Additional Water Rate Studies

Unmetered/Unbilled Metered/Unbilled

Other Apparent Losses

Real Losses

OTHER KEY CONSERVATION PROGRAMS

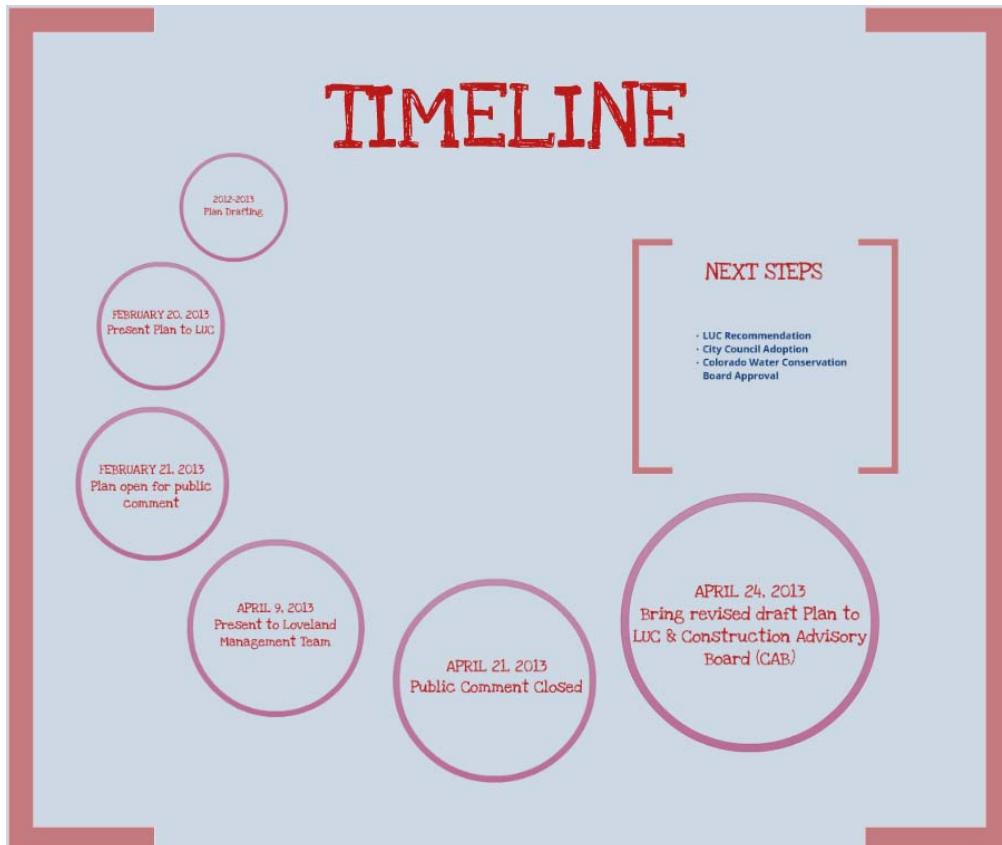
System Wide Water Audit
Water Rate Increases
Messaging to Community
Water Waste Ordinance
City Facilities - Parks Irrigation Improvements
Customer Assistance/Promotions
Slow the Flow
Garden in a Box
Commercial Audits
Water and Energy Assessments/Audits (LCCC)
Efficiency Express
K-12 Education
Additional Water Rate Studies

Goals

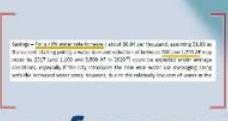
- Reduce Non-Revenue Water
- Reduce Summertime Peak Demand
- Maintain Appropriate Water Rates
- Support city sustainability efforts
- Support Largest Commercial and Irrigation Customers

Estimated savings are about 11% or 1,750 AF reduction by 2020

TIMELINE



PUBLIC COMMENT

- Adding 2012 data sets to various figures and tables 
- Included the impact of water rate increases approved by City Council March 5, 2013 
- Inclusion of supporting documents in the Plan appendices

Savings – For a **46% water rate increase** (about \$0.84 per thousand, assuming \$1.83 as the current starting point), a water demand reduction of between **500 and 1,700 AF** may occur by 2017 (and 1,100 and 3,500 AF in 2020³⁰) could be expected under average conditions, especially if the City introduces the new wise water use messaging along with the increased water rates; however, due to the relatively low cost of water in the

NEXT STEPS

- **LUC Recommendation**
- **City Council Adoption**
- **Colorado Water Conservation Board Approval**

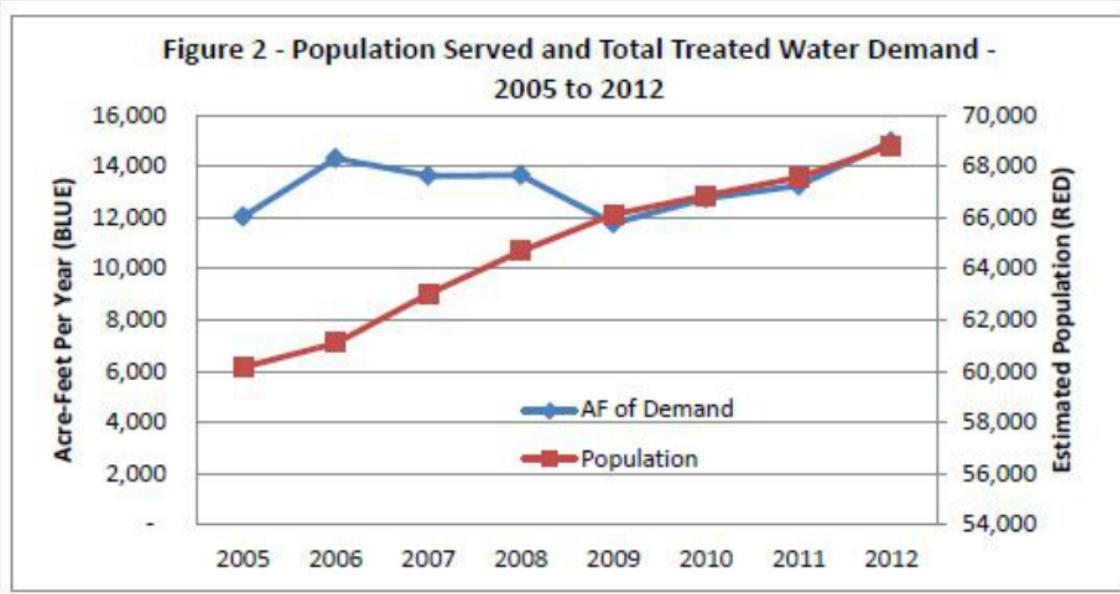


Table 3 – Summary of Billed Water By Customer Category

Year	Billed Water (1000s Gallons)								Total Billed	Total Non-Revenue	Total Demand			
	Residential		Commercial		Other Uses	Ranch	Hydrant				(1000 gallons)	Acre-Feet		
	Inside City	Outside City	Inside City	Outside City										
2005	2,623,544	133,597	466,292	21,020	53,628	93,248	4,610	97,001	3,492,940	430,360	3,923,300	12,040		
2006	3,186,549	150,123	517,424	22,288	68,868	101,227	5,102	123,473	4,175,054	487,646	4,662,700	14,309		
2007	2,989,778	139,242	515,274	20,981	68,262	54,810	3,683	53,921	3,845,950	597,250	4,443,200	13,636		
2008	2,967,702	140,831	590,295	18,266	69,194	5	4,033	78,957	3,869,283	579,317	4,448,600	13,652		
2009	2,516,008	120,300	510,429	14,786	56,127	0	3,166	41,004	3,261,820	574,580	3,836,400	11,773		
2010	2,816,305	133,651	538,454	16,429	68,156	1,295	3,707	32,669	3,610,666	544,734	4,155,400	12,752		
2011	2,875,155	134,224	572,683	16,680	71,316	1,221	3,584	27,905	3,702,767	625,956	4,328,723	13,284		
2012	2,722,723	148,685	639,077	16,517	76,257	1,488	4,112	19,464	4,213,854	651,396	4,865,250	14,970		

QUESTIONS
COMMENTS
FEEDBACK

