

Completion of Municipal Conservation Pilot Projects



New Mexico Interstate Stream Commission
David Anderson

July 21, 2014

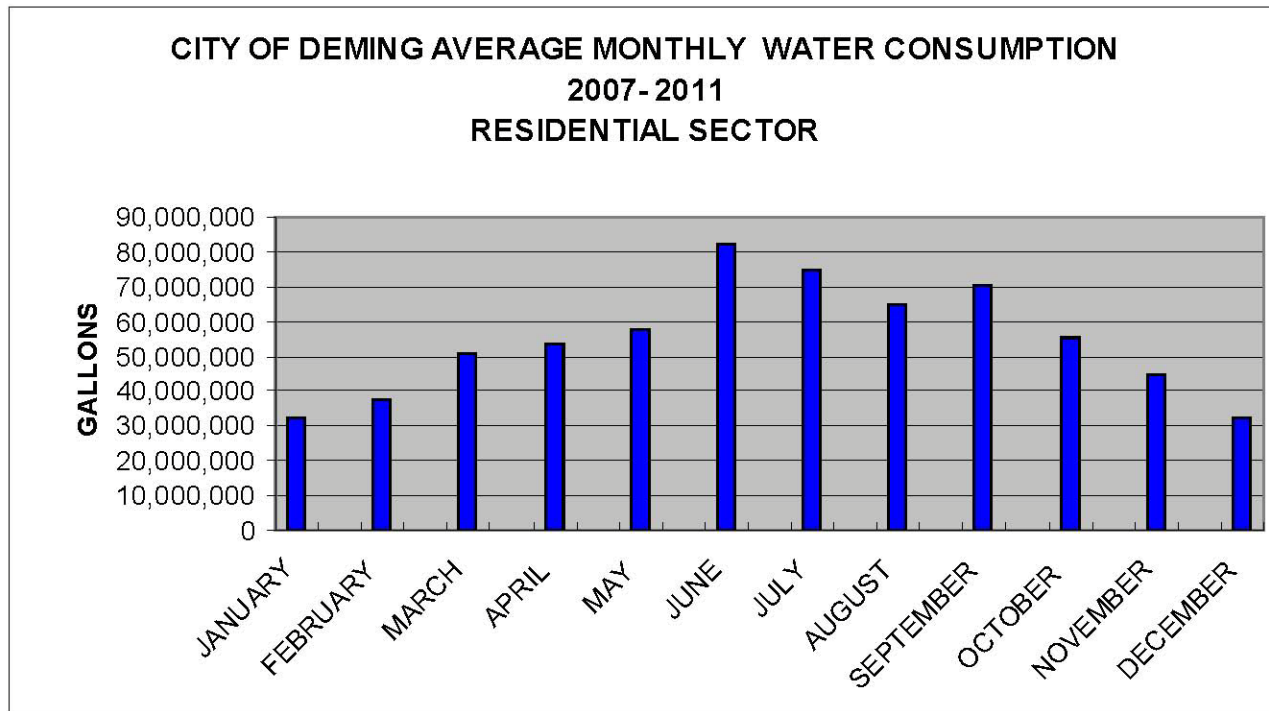
Grants

- February 2012 – ISC approves \$100,000 for pilot projects.
- \$50,000 grant each to Deming and Silver City
- Final Technical Reports due June 30, 2014



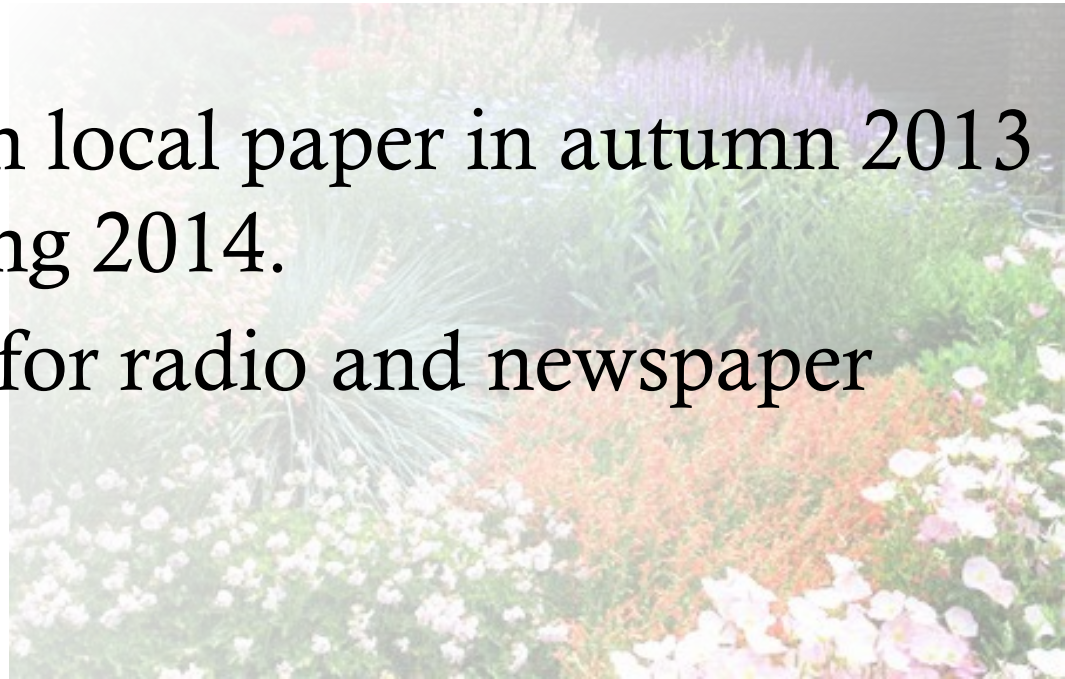
Deming Conservation Project

- 49% of water production used by residential sector.
- Difference in residential January usage and June usage ~ 153 acre-feet.



What did they do?

- Offered rebates for replacement of turfgrass with xeriscape.
- Offered rebates for replacement of evaporative coolers with refrigerated air units.
- Met with local landscape contractors and HVAC contractors.
- Advertised program in local paper in autumn 2013 and four times in spring 2014.
- Partnered with PNM for radio and newspaper campaign.



How did they do?

- Two landscape conversions totaling 1,210 ft²
- Eight conversions to refrigerated air
- 16% of grant monies expended

Lessons learned: some of their comments...

- Need focus group of prospective participants
- Program must reflect local economy
- Partner with other programs and agencies

Silver City Conservation Project

- Conservation Plan identified Altamirano Sports Complex as top single water user (2011-2012 data)
- 11.5 acres irrigated cool-season turfgrass
- Annual usage ranged from 48 to 62 acre-feet (2008 – 2012)



What did they do?

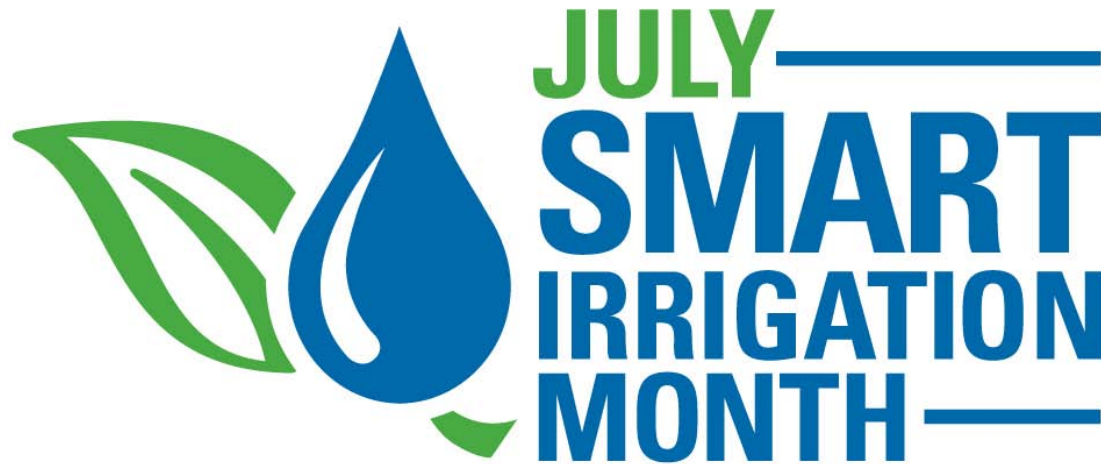
- Installed a weather-based irrigation system
- Installed new rotors (higher efficiency, replaced leaking sprinklers)
- Contractor to provide post-installation audit



How did they do?

- System installed by August 2013
- August 2013 – June 2014 usage: 32 af
- Past 5 years usage without July: 39 – 52 af
- Savings potential 19 – 39%
- Post-installation audit not yet completed

Questions?



<http://nmawsa.org/ongoing-work/municipal-water-conservation/municipal-conservation-pilot>