WELCOME TO COLORFUL COLORADO
Municipally owned, not for profit.
How The System Works

Arkansas River Basin Systems

Regulatory Storage

Raw Water Pump Station

Mountain Collection System

Transmission Pipeline

Terminal Storage

Distribution Storage

Water Treatment Plant

Waste Water Collection System

Exchange

Customers

Lift Station

Force Main

Gravity Interceptor

Non-pot

Sludge Line

Discharge to Stream System

Land Application Sludge Disposal

Waste Water Treatment Plant

Pacific Storms & snow

Exchange

Mountains
State of Colorado Projected Water Demands, Supplies, and Gaps from Colorado Department of Natural Resources
## Relative Value of Water

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost Per Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado Springs Tap Water</td>
<td>$.034</td>
</tr>
<tr>
<td>Bottled Water</td>
<td>$10.61</td>
</tr>
<tr>
<td>Microbrew Beer</td>
<td>$15.98</td>
</tr>
<tr>
<td>Gourmet Coffee</td>
<td>$32.00</td>
</tr>
<tr>
<td>Table Wine</td>
<td>$45.44</td>
</tr>
<tr>
<td>Nail Polish</td>
<td>$1,780</td>
</tr>
<tr>
<td>Coco Chanel</td>
<td>$6,206</td>
</tr>
</tbody>
</table>
Why conservation?

- Water Scare State=no more cheap water left.
- All large water utilities in Colorado **must have a water efficiency plan** to maximize supply - reduce waste.
- Plans consist of methods, measures, programs
- MPG: Efficiency **adds** to supply; serve more with less
- Responsible use of resource, cost effective /acre/foot.
- **$4,300 for Conservation vs. $15-20K new supply**
- Reduces risk and liability, adds flexibility in drought.
- Provides tools for customers to maximize commodity
- Reduces cost of infrastructure; pipes, plants, projects.
- Goal: All combined achieve water & $ savings.
- Focus: bathrooms, heating, irrigation, landscapes, use.
Conservation tools

• Inclining Block Rates-fair use
• Retrofits- free showerhead exchange
• Rebates-Indoor/Outdoor
• Behavior – use/maintenance/respect/protect
• New Construction – E*/WaterSense New Home
• New Supply – Southern Delivery System – 50 year water supply
• My Usage / Non-Pot / Drake Water / Parks
• Education – School/ Residential/ Businesses
How: Using WaterSense Products

• Aligns with existing promotion of EnergyStar & EPA
• Clear, customer & consumer friendly branding
• Manufacturer support; brands, prices, models, options
• Confirmed performance, savings; map-testing.com!
• Collaborative effort vs. mandate; ps/market support
• Partner resources; tools, education, suppliers, YOU.
• Goal: National savings, holistic approach, achievable
• Minimum 20% savings vs. code products
Toilet Rebates

- $125/$75/fixture
- WaterSense only
- 300/Commercial
- Simple, durable
- Long-term savings
- High performance – Best technology
- Older: Pre 1980: 5.0+, 1980-96:3.5: 96+1.6
- WaterSense: 2006 1.28 Max or LESS
- WaterSense Bill passed in CO: 40,000 ac/ft 9/16
Additive Options

- Code Showerheads: 2.5 GPM Max
- WaterSense Showerheads: 2.0 GPM Max
- Change 2.5 → 1.5 GPM: Save $130/year!
- WaterSense Showerhead Rebate: Up to 50% off up to $10/head. Starts now.
- Triple Savings: Water, Wastewater & Energy~!
- Add in WaterSense Faucet or Aerator
- Complementary savings, no sacrifice.
WaterSense Rebate Process

• Large project? Inform utility, check on funds.
• Buy and install WaterSense fixtures
• Submit application, receipts, invoices
• When approved, credit on bill. $22,500!
• Last year of toilet rebate is 2014!
• Whole building retrofit=universal savings
• Products more effective than behavior.
• Proceed to next options….irrigation, etc.
We even recycle them!

- Dumpster on site
- Crushed into ¾”
- Reused in asphalt
- No fee
- Reduces Cost
- Reused instead of to landfill
Outdoor Conservation Rebates

CLIP and Spray to Drip Conversion in 2014
Thoughts?

• Frank Kinder,
• Conservation Specialist
• Colorado Springs Utilities
• fkinder@csu.org
• 719-668-3818