

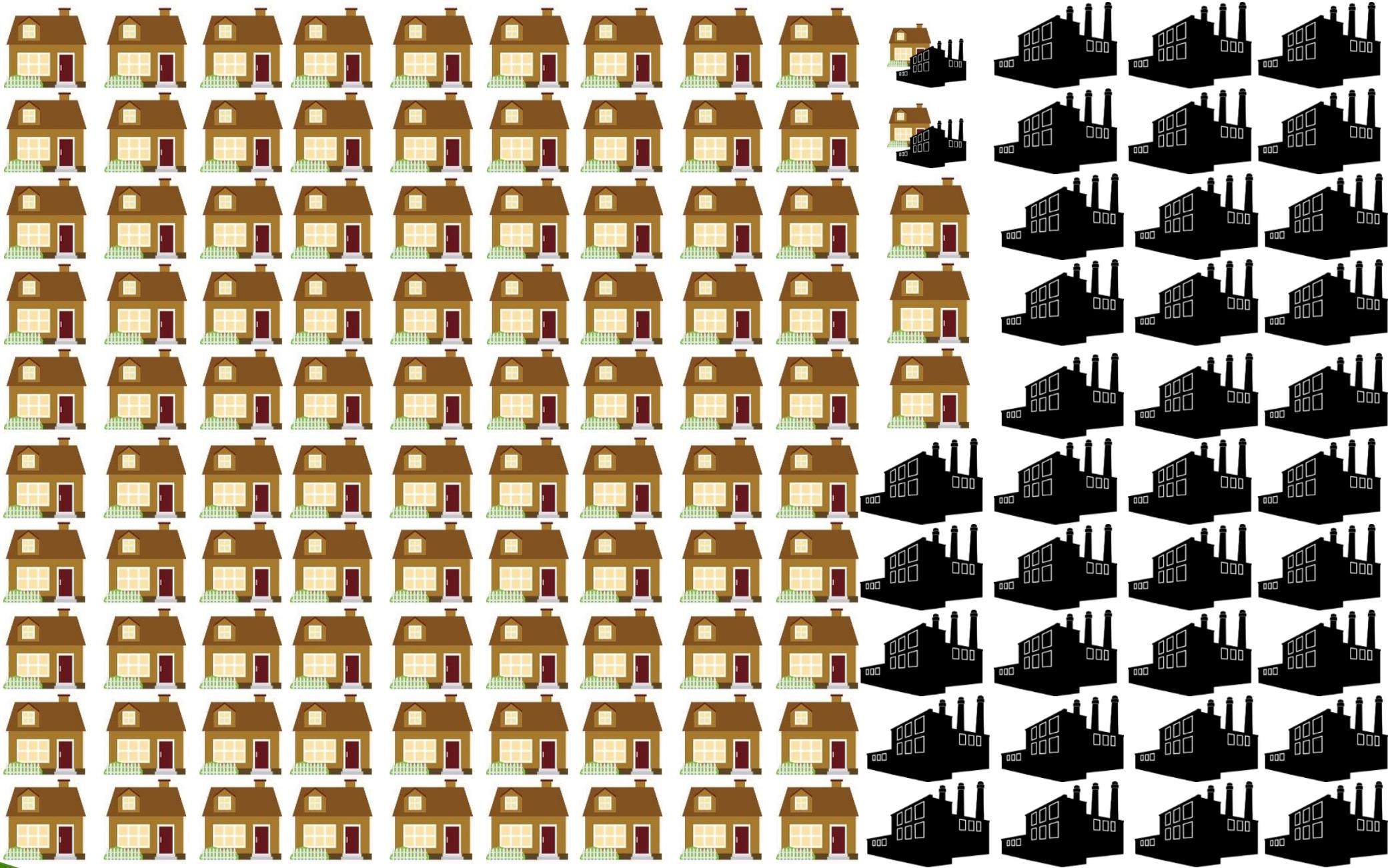
# Reuse in Idaho

For 2017 Reuse Conference  
Boise, Idaho

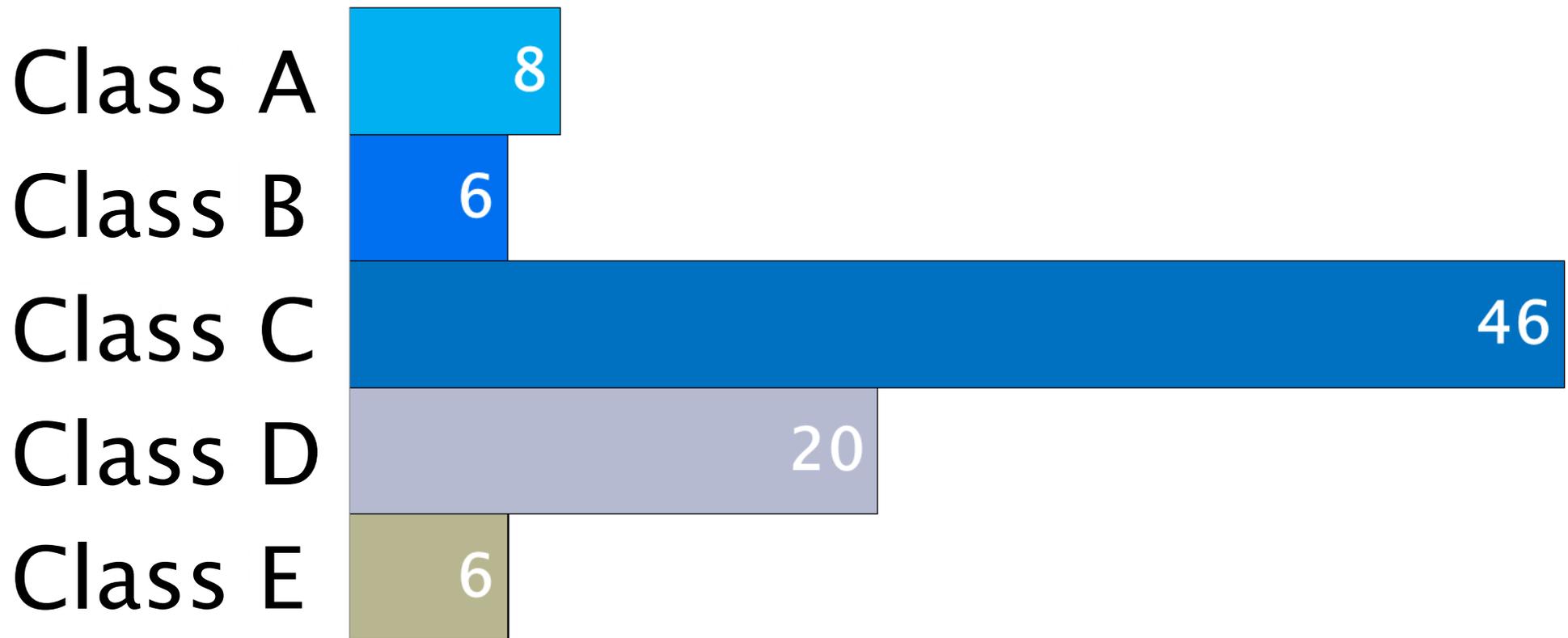


Larry Waters, PE  
Engineering Manager  
Idaho Department of Environmental Quality

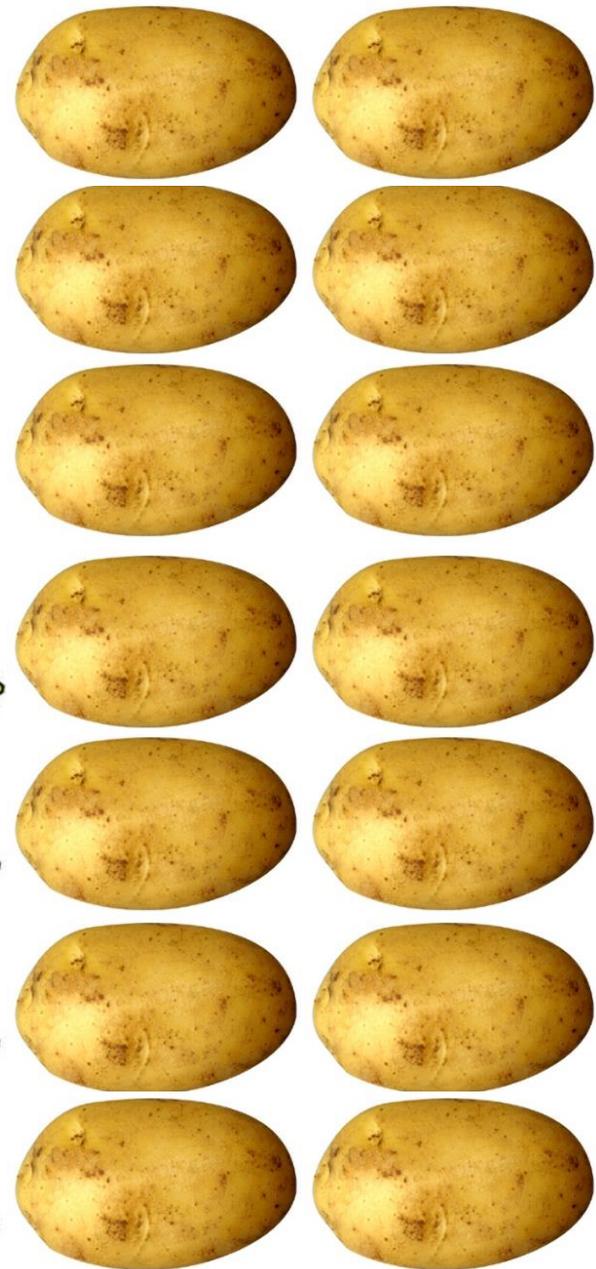
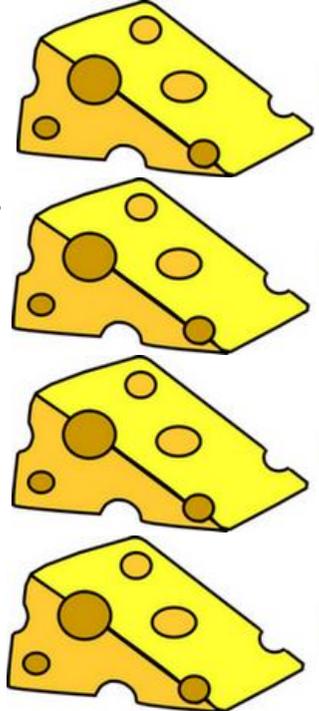
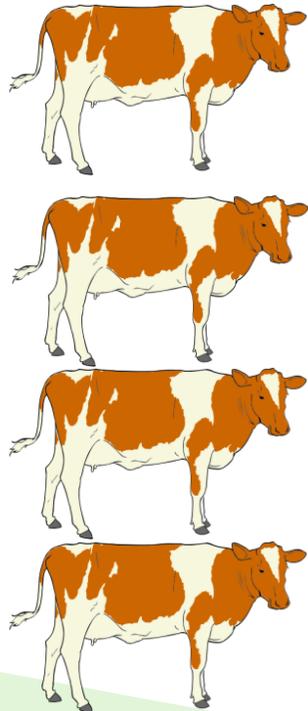
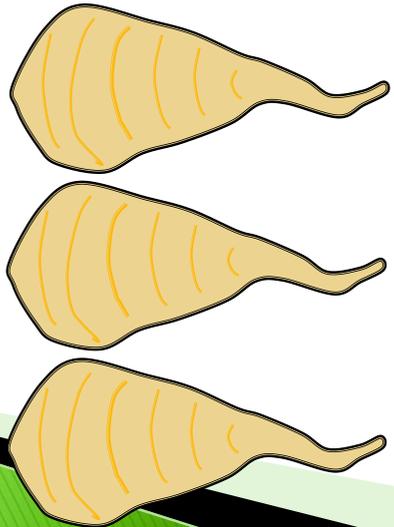
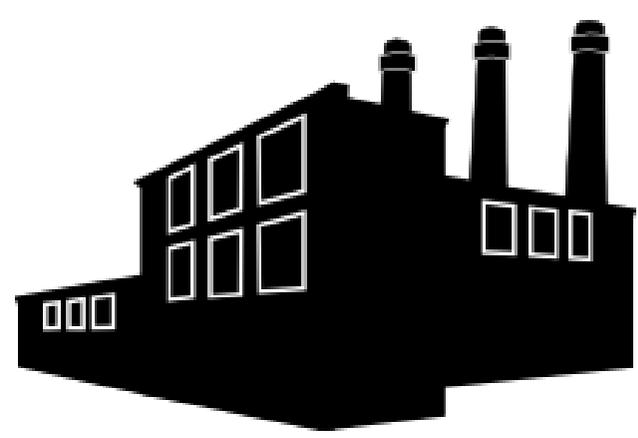
- All sites using recycled water must obtain a reuse permit from the Idaho Department of Environmental Quality.
  - Currently—130 active permits
- 



- Municipal reuse has 5 recycled water classes



- ▶ Sometimes Class A and Class B recycled water is confused because the numeric disinfection requirements for total coliform are the same.
  - ▶ However, Class A recycled water is the higher quality water which has a lower turbidity requirement and has requirements for nitrogen, pH, and BOD<sub>5</sub>.
- 



- Issued first permit to the City of Rupert on March 13, 1989.

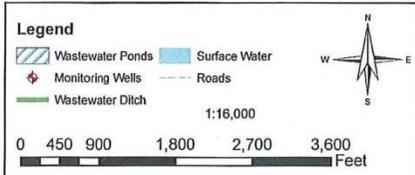
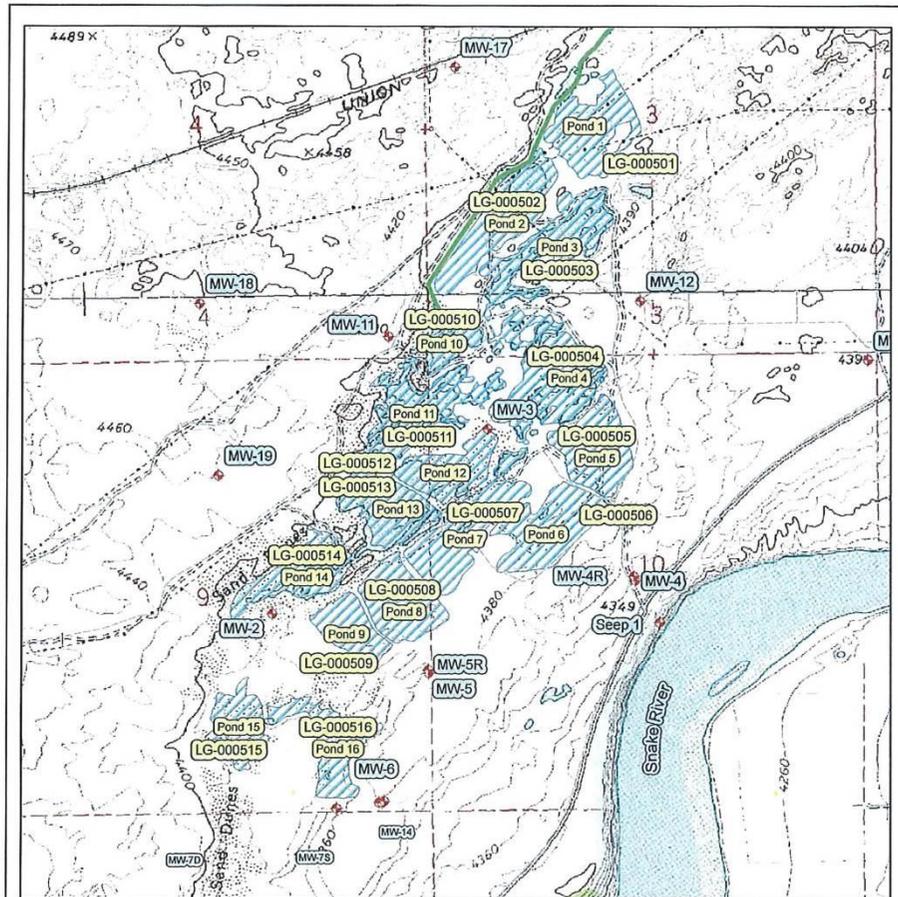


- ▶ The City of Rupert upgraded there treatment system in 2012 to produce Class B recycled water



- Issued first industrial permit to ConAgra Foods (Lamb–Weston) on December 15, 1990.





Disclaimer: The State of Idaho, the State Department of Environmental Quality, and its employees make no warranty, express or implied, or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any information or data provided. The data shall exclude technical inaccuracies or omissions.

The Department of Environmental Quality may update, modify or revoke the data used at any time without notice.

Map Information:  
 Prepared by: Idaho Transportation Department  
 State Historian  
 Edition: 10/2013

**Figure 3 - Pond Area  
 Lagoons, Ground Water Monitoring Points**

State of Idaho  
 Department of Environmental Quality  
 444 Hospital Way, #300  
 Pocatello ID 83201 236-6160

Wastewater-Land Application Permitting Program  
 Pocatello Regional Office

- Water Recycled for Beneficial Use vs Discharge to Surface Waters



# Currently

- ▶ In Idaho facilities that desire to apply recycled water for beneficial use on the land surface must obtain a Reuse Permit from the Idaho DEQ
  - ▶ In Idaho facilities that desire to discharge to surface water must obtain an NPDES Permit from EPA.
- 

- ▶ Idaho DEQ is in the process of obtaining primacy for surface water discharges.
  - ▶ Final approval is anticipated in July 2018.
- 

> **6.5 Billion Gallons of Water Recycled Last Year**



**9,800 Olympic Swimming Pools  
beneficially used last year**



> 2,000 Tons Nitrogen Recycled Last Year



167 dump trucks of nitrogen beneficially used instead of going to the surface waters



> 500 Tons Phosphorus Recycled Last Year



42 dump trucks of phosphorus beneficially used instead of going to the surface waters

# City of Meridian



**RECLAIMED WATER**  
The Right Water for the Right Use

**Meridian**  
IDAHO

**THE IRRIGATION SYSTEM IN THIS PARK UTILIZES RECLAIMED WATER, ALLOWING CONSERVATION OF ONE OF OUR MOST VALUABLE RESOURCES.**

USING RECLAIMED WATER IN THIS PARK CONSERVES ABOUT 30-35 MILLION GALLONS OF IRRIGATION WATER ANNUALLY THAT CAN BE FREED UP FOR FARMING OR OTHER IRRIGATION PURPOSES.

**USING WATER WISELY**

**CAUTION:**  
RECLAIMED WATER IS NOT INTENDED FOR HUMAN CONSUMPTION.

**DO NOT DRINK**



**ATENCIÓN:**  
EL AGUA RECICLADA NO ES APROPIADA PARA EL CONSUMO HUMANO.

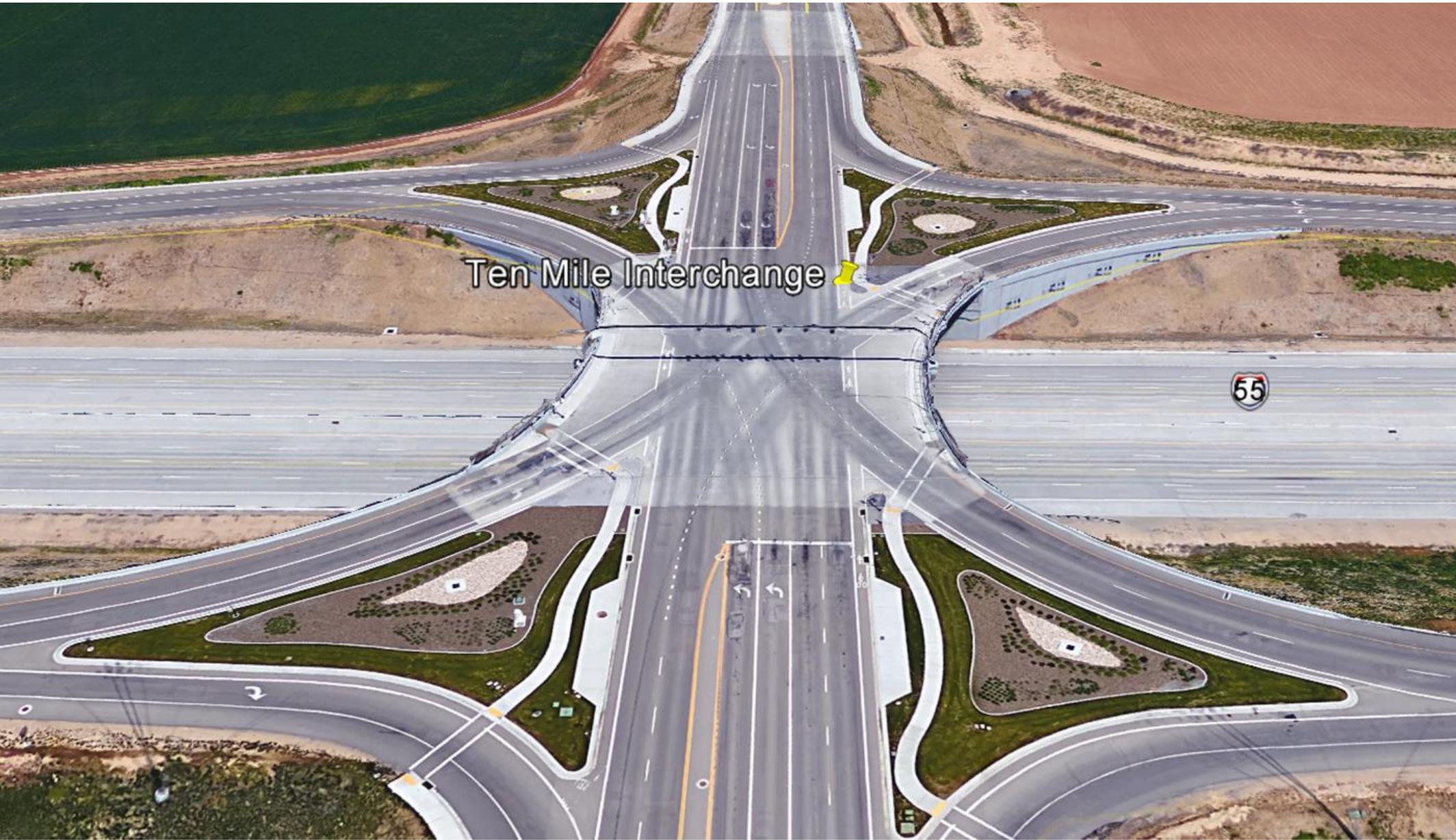
**DO NOT DRINK**

**CAUTION:  
RECLAIMED WATER IS  
NOT INTENDED FOR  
HUMAN CONSUMPTION**



**ATTENCION:  
EL AGUA RECICLADA  
NO ES APROPIADA PARA  
EL CONSUMO HUMANO,**





Ten Mile Interchange

 **Fast Eddy's**

**AUTO / RV**

**Brushless**

**Brush**

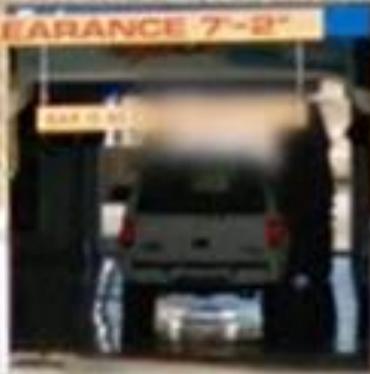
**CLEARANCE 7'-8"**

**CLEARANCE 7'-8"**

  
A vertical sign with a red and white background, listing various services and prices for car washes and detailing.

**CLEARANCE 7'-8"**

**CLEARANCE 7'-8"**



Walmart

Walmart



**WELCOME**

**2017**

**Reuse Conference**



# Questions?

