

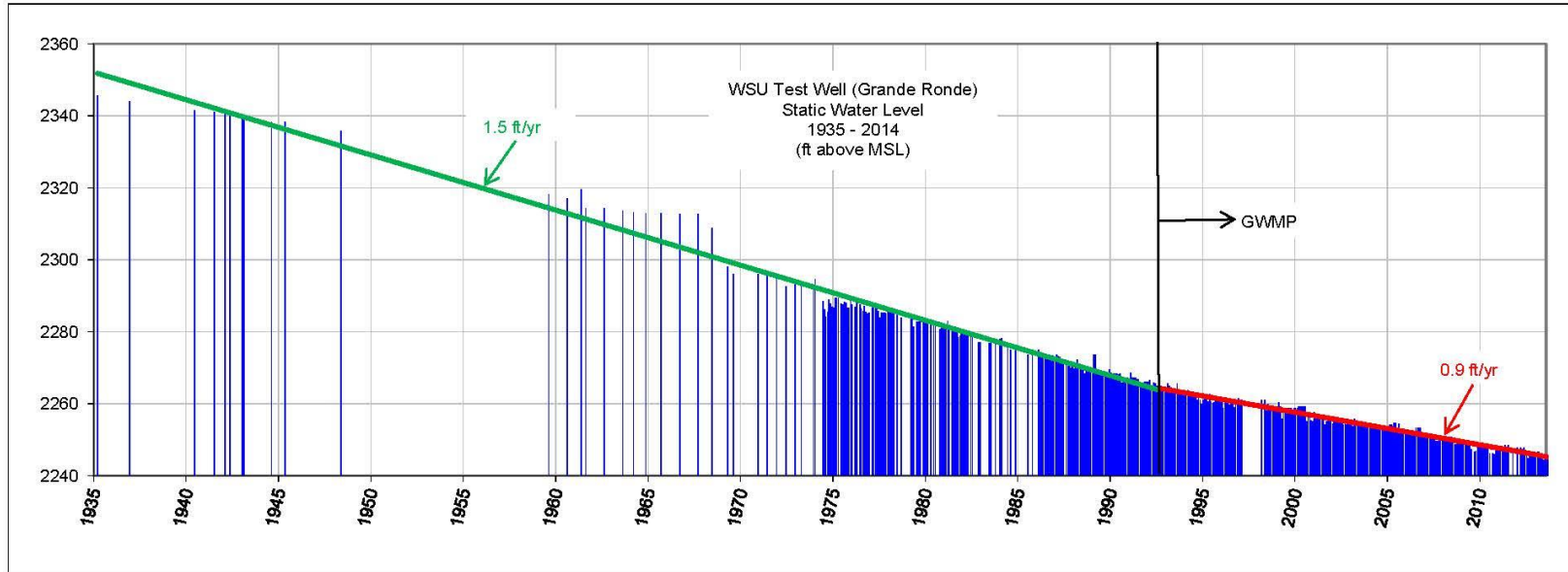
Regional Water Conservation:

Shared Aquifer, Shared Solutions



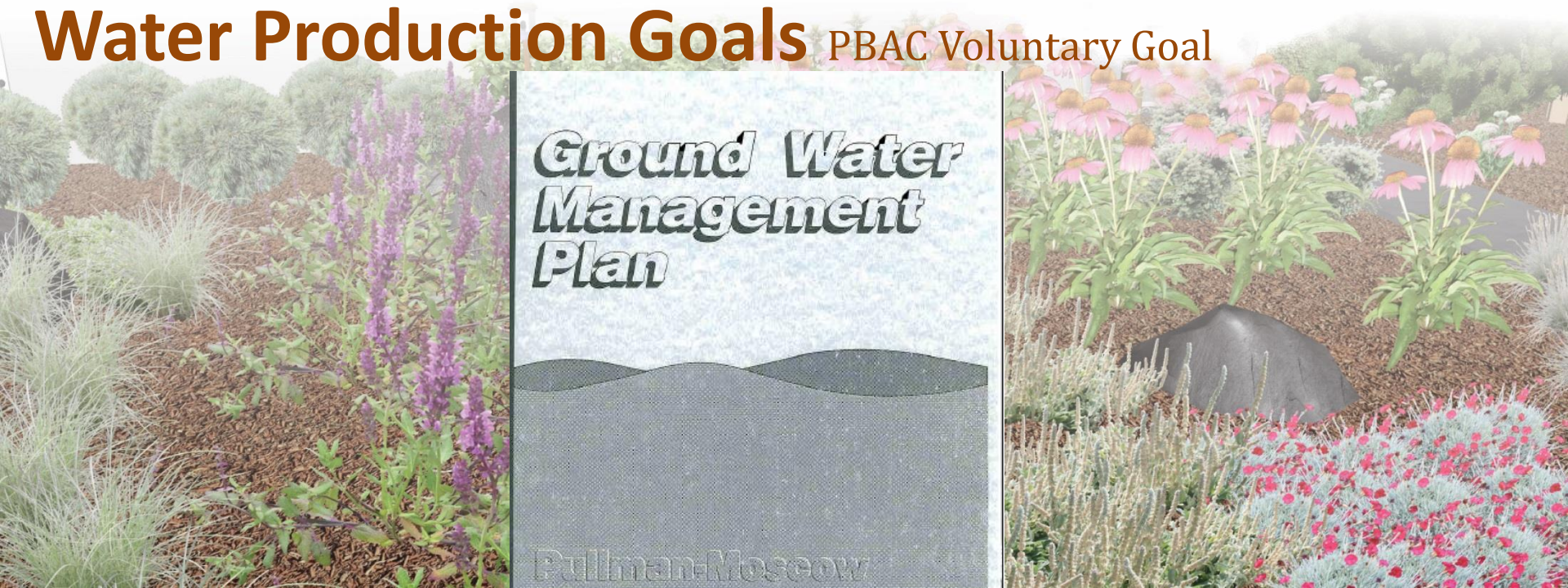
Our water story

Grande Ronde Aquifer Declining Water Levels



Water Production Goals

PBAC Voluntary Goal



Conservation on the Palouse

Our Local Programs:

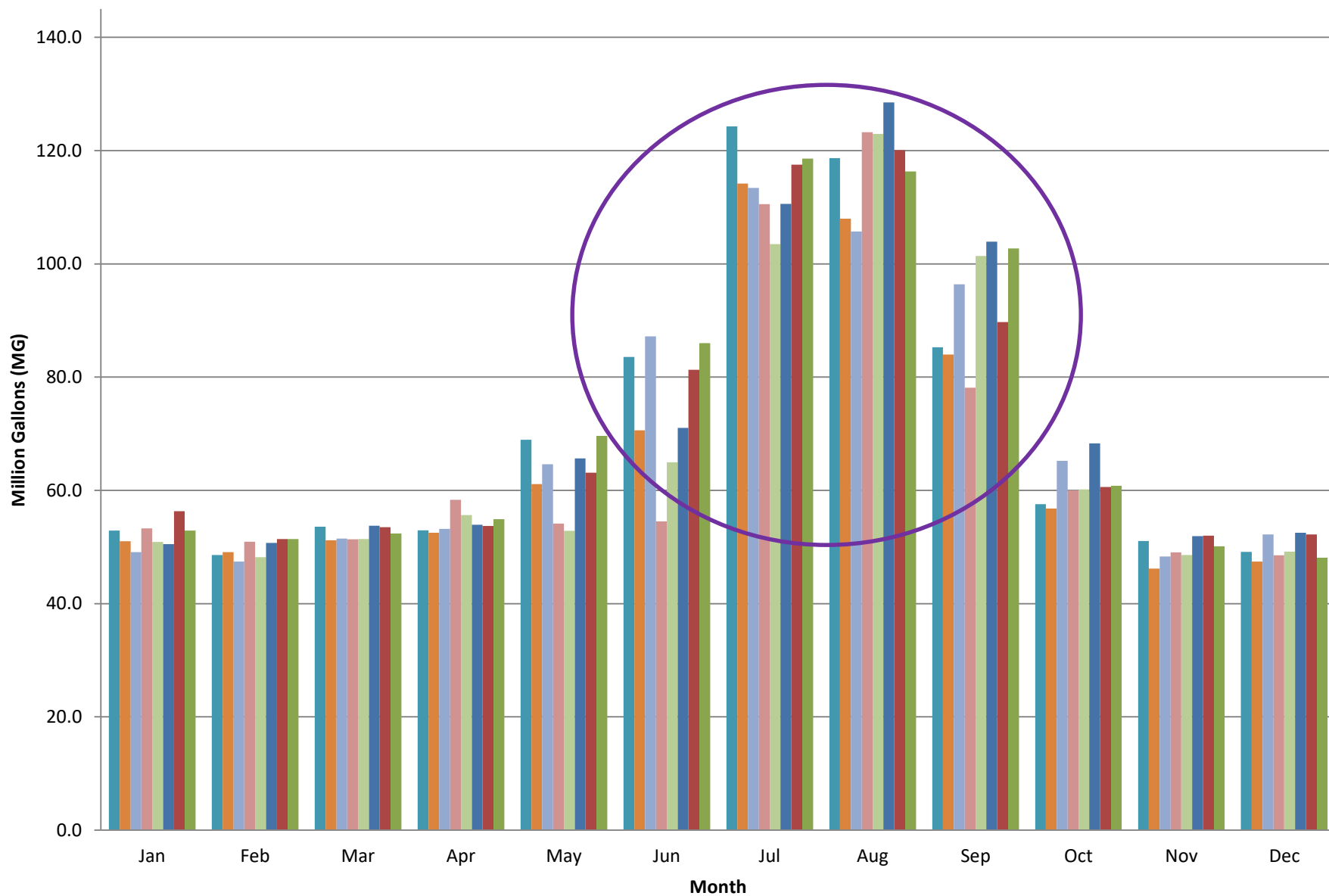
Wisescape®

...water efficient

landscaping on the Palouse

- Free Devices
- Classroom Outreach
- Public Outreach
- Regulations
- Conservation Water Rates
- Rebates
- **Wisescape®**
- Water Reuse
- Manage Water Loss

City of Moscow Monthly Water Use (MG)



Wisescape®

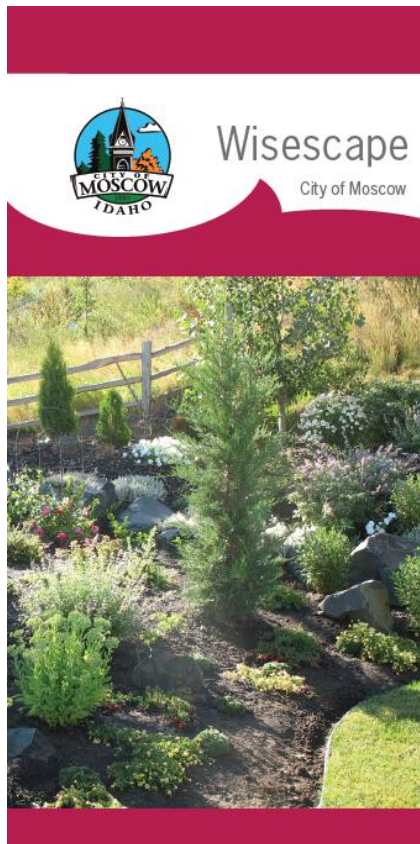
...water efficient

landscaping on the Palouse



Wisescape Approach

Established in 2008



- Design
 - Aesthetics, Practical, Limit traditional turf, Plant Zoning, Efficient Irrigation
- Reduced Resource Use
 - Water, labor, fertilizer, pesticide, yard waste, and mowing savings.
- Soil - Enhancements
- Plant Selection – Site Specific

Wisescape
Approach

Nominate
Someone Today!

Award Recognition Program

*Landscaping for Aesthetics
and
Resource Conservation*



Wisescape
City of Moscow



Mayor's Wisescape Award

What is wrong with this picture?

- Watering Sidewalks
- Compact Soil
- Thirsty Turf
- Weeds
- Dry Spots

Wisescape to the rescue!



Wisescape Demo Garden

Planted in 2009

Before

After



Site Analysis and Design

- Microclimates
 - Sidewalks
 - Shady N vs. Sunny/Windy SW
 - Under Trees
- Plants adapted for this area.



Turf Removal and Soil Enhancements

- Compost
 - Healthy Plants
 - Water Retention



Efficient Irrigation

- The right tool for the right job.
- Rotary heads that can withstand the Palouse wind.

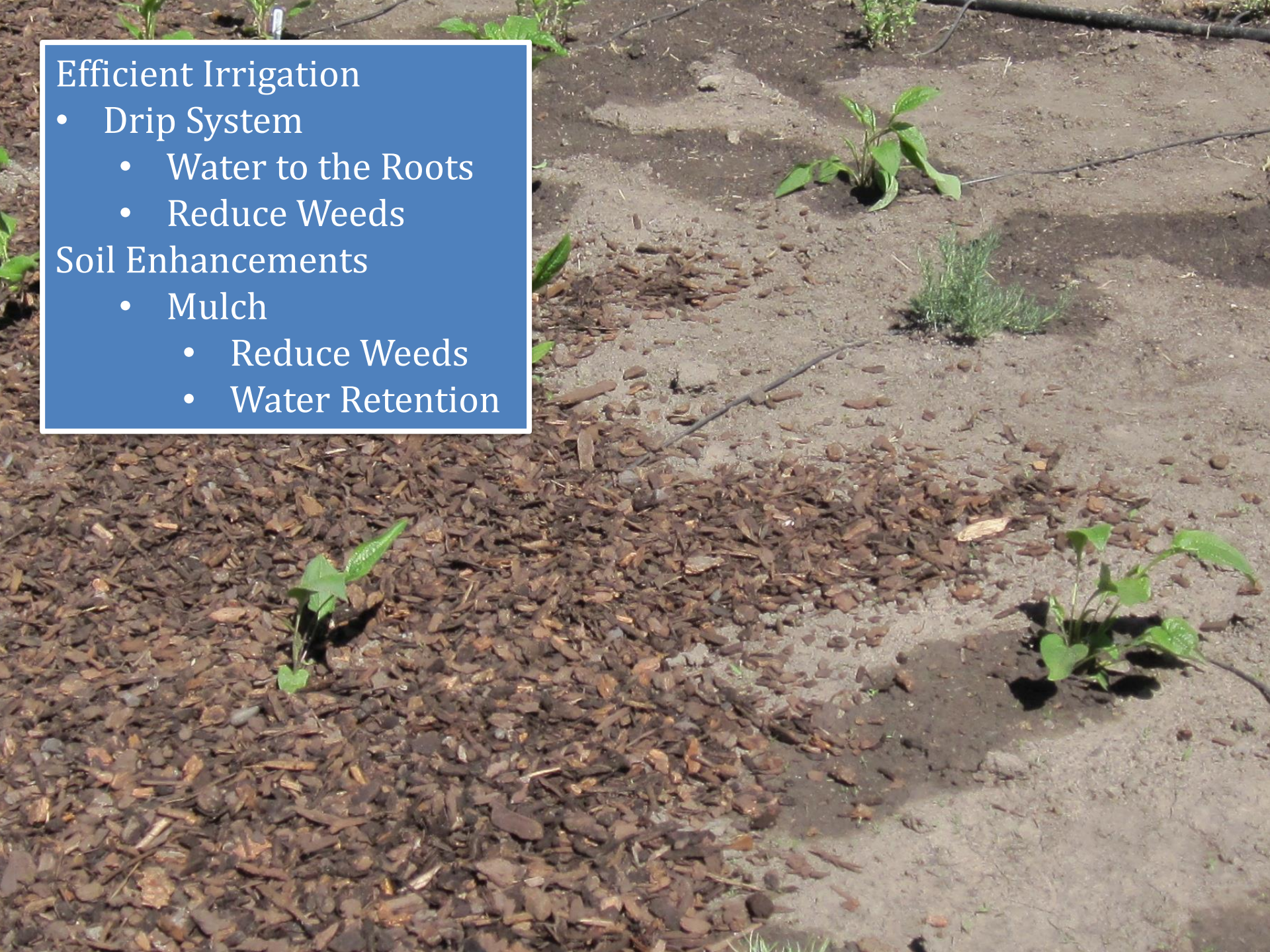


Efficient Irrigation

- Drip System
 - Water to the Roots
 - Reduce Weeds

Soil Enhancements

- Mulch
 - Reduce Weeds
 - Water Retention



Diverse Design

- Low Water Needs
- Colorful and Diverse
- Rock Pathways
- Boulders



Xeric Design

- Rocks
- Natives
- Shrubs
- Semi-succulents
- Perennials



Water Conservation Plan Rebates and Guidebook

- Fixture Rebate
- Irrigated Lawn to Wisescape Rebate
\$150 lawn replacement rebate for customers that remove 300+ square feet of existing lawn turf and replace it with water efficient landscaping - **SF/MF/CI**
- Wisescape Guidebook
FREE to customers



City Of Moscow
Water Conservation Plan

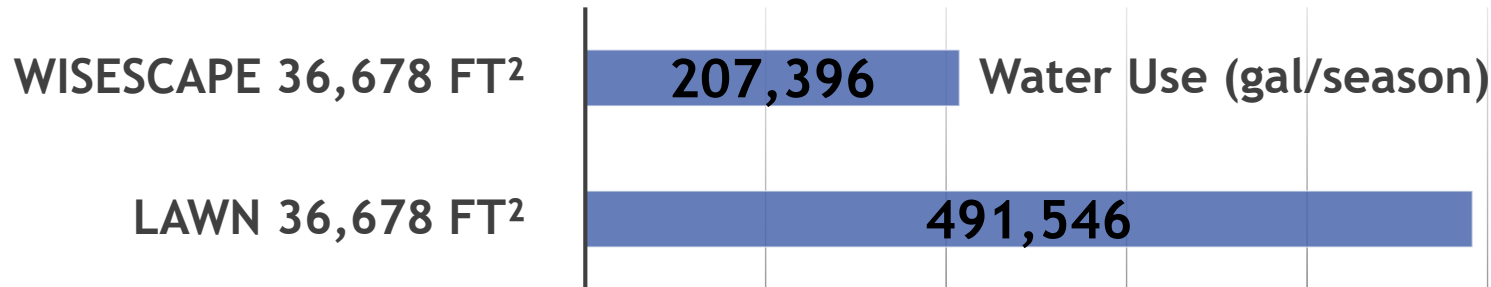
December 2015

By M. Nichole Baker
Conservation Program Coordinator
City of Moscow

Lawn to Wisescape® Rebate

Regional Rebate Savings: 284,151 gallons per year

Regional Wisescape Rebates: 36,678 ft² converted



52 Pending Applications

Every
resident can
make a
difference!



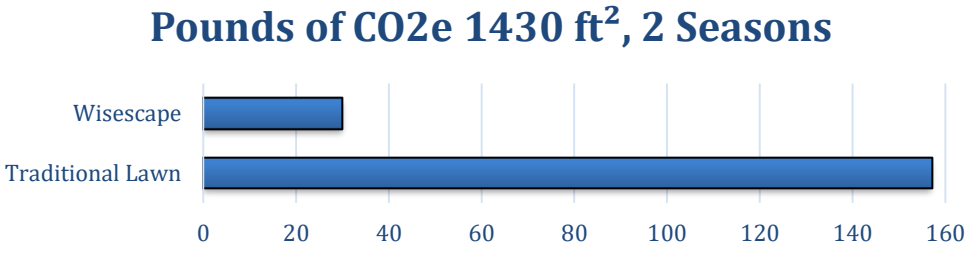
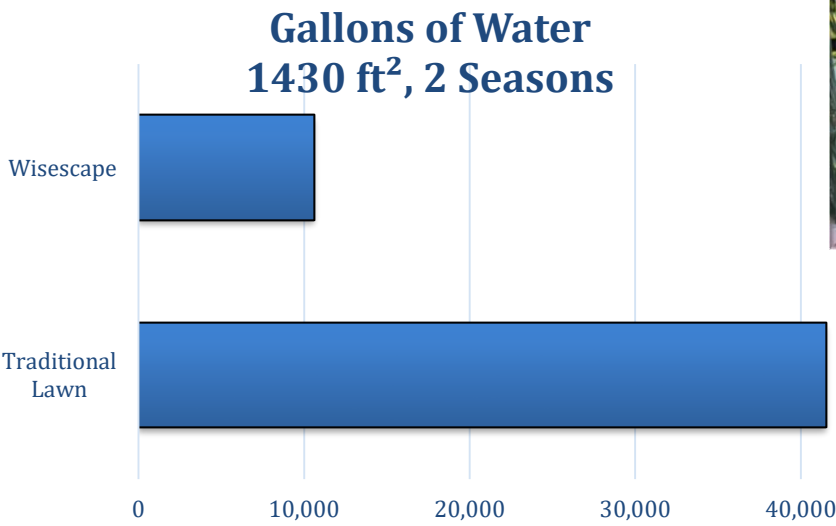
Annual household water savings for transitioned 1265 ft² = 9,800 gallons

Why Wisescape?



Resource	Traditional Lawn	Wisescape
Minimal water needs		✓
Less labor		✓
Low chemical use		✓
Reduced greenhouse gases		✓

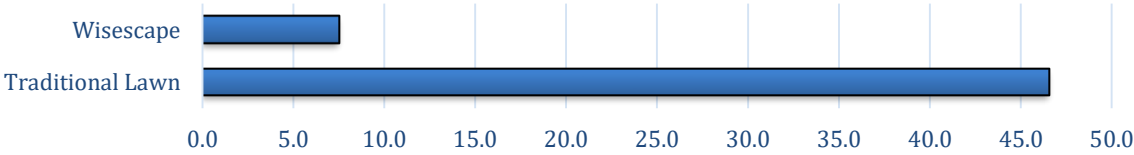
Traditional Lawn	1430 ft ² 2 Seasons	Wisescape
41,538 gallons	Water Use	10,638 gallons
157 pounds CO ₂ e	Greenhouse Gas	30 pounds CO ₂ e



Traditional Lawn	1430 ft ² 2 Seasons	Wisescape
46.5 hours	Labor	7.5 hours
\$126.00	Fertilizer, Herbicide, Fuel Costs	\$0



Hours for Labor 1430 ft², 2 Seasons



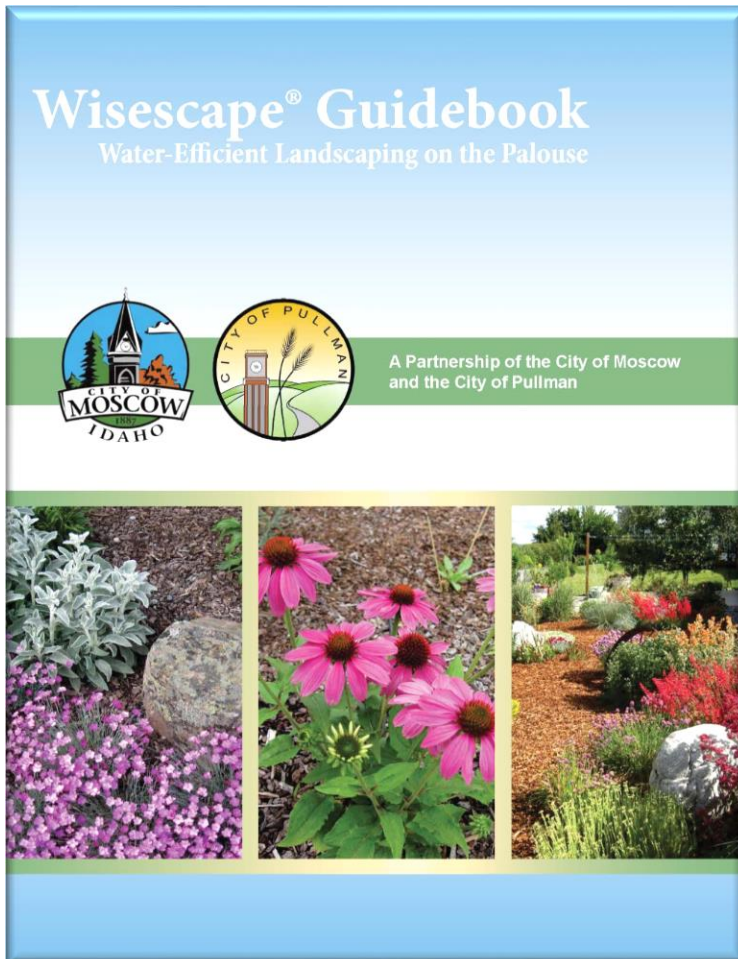
Why Wisescape?



- Attract urban wildlife and pollinators
- Year round color
- Diversity



2017 Guidebook



Traditional
Lawn
0.623 gal
per ft²/wk

Wisescape
0.263 gal per ft²/wk

Annual household water
savings for transitioned
1200 ft² = 9,300 gallons

Wisescape® is SIMPLER!

Contact: Nichole Baker, Environmental Services Coordinator
Water Conservation and Sustainability
nbaker@ci.moscow.id.us | 208-883-7114



Site plan

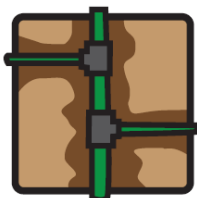
Irrigated
turf
removal



Modify
soil



Pipes
underground



A Wisescape is **SIMPLER!**

Retain
moisture



Efficient
irrigation



Low-water
plants

