



Beaver **Water** District

**Public Outreach and Educational Programs  
to Educate the Public**

**Water Provider Legislative Task Force  
August 8, 2018**

# MISSION





# VISION



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AT&T

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Rockline Industries

**Public Affairs Vision:**

The citizens and businesses of NW AR will trust Beaver Water District as a regional leader on water issues & the source of healthy and economical water for all of their uses.

# OUTREACH AND EDUCATION PROGRAMS

- **Education Programs**
  - Water Education Center
  - Classrooms
- **Public Outreach Programs**
  - Events with Partners
- **Citizens Water Academy**



# STRATEGIES/ACTIONS/PROGRAMS

## BWD Administration & Water Education Center



### Middle School STEM Students

**BWD LOW IMPACT DEVELOPMENT (LID) SCAVENGER HUNT**  
★ FIND and Fill-in or Circle the Answers ★

**INFILTRATION BASINS** \_\_\_\_ natural wetland function.  
A. modify B. mimic C. maintain D. mitigate

**"TREAT STORMWATER WHERE IT FALLS"**  
Filter water through plants, substrate mix, and underlying soils to remove:  
A. silt/sediment/pollutants  
B. sludge/pulp  
C. sand/pebbles  
D. lime molds/particulates

**"LET IT SOAK"**  
Collect and retain rain water for up to \_\_\_\_ days.

**BASIN FILL** consists of a special mix of what 3 materials?  
1. \_\_\_\_  
2. \_\_\_\_  
3. \_\_\_\_

**LID PAVING & PARKING 2**

1. **True/False:** Grass pavers allow rain water infiltration.  
2. Plastic Reinforcing Grids increase the \_\_\_\_ of a lawn surface:  
A. longevity B. leverage C. liability D. loadbearing capacity  
3. Grass pavers protect plants by preventing soil:  
A. contractions B. compaction C. collection D. collapse

1. **True/False:** Water flows through pore spaces in pervious pavement.  
2. Pervious concrete prevents direct runoff and reduces need for: A. piping B. detention basins C. downstream structures D. A, B, & C  
**MATCH PAVEMENTS A, B & C TO THEIR PROPER LABELS:** \_\_\_\_ Impervious Asphalt \_\_\_\_ Pervious Concrete \_\_\_\_ Grass Pavers

BEAVER WATER DISTRICT "THE MATH & SCIENCE OF LOW IMPACT DEVELOPMENT"

### RAIN GARDEN PLANNING STEPS

STEP	DETAILS														
1	<p>Conduct a site walkover survey noting characteristics such as:</p> <p>Patterns made by:</p> <ul style="list-style-type: none"> <li>• sun/shade/wind • vegetation/landscaping</li> <li>• foot/vehicular traffic • runoff flow/drainage</li> <li>• topography • structures</li> <li>• soils • downspouts</li> <li>• land use • storm drains</li> <li>• paved areas • buried utilities</li> </ul>														
2	<p><b>SELECT AN IMPERMEABLE SURFACE</b> that would generate runoff.</p> <p><b>CALCULATE AREA:</b> Length (L) x Width (W) = Area in units squared or units<sup>2</sup></p> <p><b>Metric Systems:</b> centimeters (cm), meters (m), liters (l)</p> <p>L ____ m x W ____ m = Area ____ square m or m<sup>2</sup></p> <p><b>English/US Customary Standard:</b> inches (in), feet (ft), gallons (gal)</p> <p>L ____ feet x W ____ feet = Area ____ square feet or ft<sup>2</sup></p>														
3	<p><b>DETERMINE RAIN GARDEN DEPTH</b> to accommodate runoff. The bottom surface should be level so incoming runoff can spread out evenly. A site on a slope will require moving and spreading soil from the up-hill side to the lower side to level the surface. Slope is the change in elevation between two points and is expressed as "percent change" in elevation per unit distance.</p> <p><b>CALCULATE SLOPE: (RISE / RUN)</b></p> <table border="1"> <thead> <tr> <th colspan="2">SLOPE</th> <th>&lt;4%</th> <th>5% to 7%</th> <th>8% to 10%</th> </tr> </thead> <tbody> <tr> <td rowspan="2">RAIN GARDEN DEPTH</td> <td>Metric</td> <td>7.62 to 12.7 cm</td> <td>15.24 to 17.78 cm</td> <td>20.3 to 30.48 cm</td> </tr> <tr> <td>English</td> <td>3 to 5 inches</td> <td>6 to 7 inches</td> <td>8 to 12 inches</td> </tr> </tbody> </table>	SLOPE		<4%	5% to 7%	8% to 10%	RAIN GARDEN DEPTH	Metric	7.62 to 12.7 cm	15.24 to 17.78 cm	20.3 to 30.48 cm	English	3 to 5 inches	6 to 7 inches	8 to 12 inches
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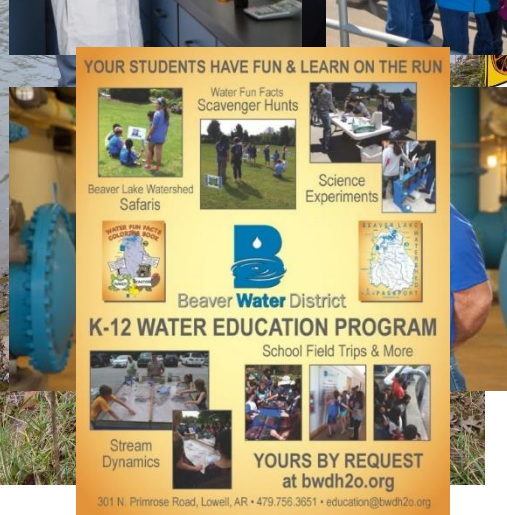
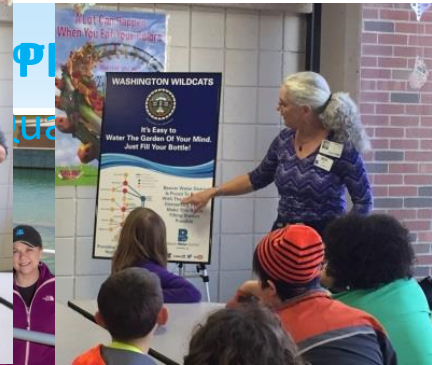




# STRATEGIES/ACTIONS/PROGRAMS

## Fayetteville Washington Elementary Hydration Station

- Education Efforts  
Focused on Value of  
Water & SW Protection



Rogers Larson's Language School

# STRATEGIES/ACTIONS/PROGRAMS

- Outreach to General Public & Underserved Populations

Promise Land “Big Feed” Holiday Community Meal & Springdale Police Toy Give Away at Jones Center for Families

Botanical Gardens of the Ozarks Firefly Fling



2017 Employees Back-To-School Fair



# STRATEGIES/ACTIONS/PROGRAMS

- Promotions Focused on Community Sustainability & Regional Economic Development



Rogers Heritage HS Career Fair



Water For People Golf Tournament



BWD Customer Cities Appreciation Picnic



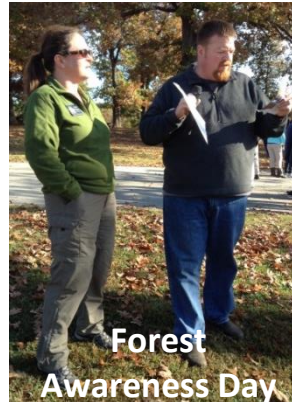
Springdale Alcoa Kawneer  
Green Fair



NWA Business Expo



# STRATEGIES/ACTIONS/PROGRAMS



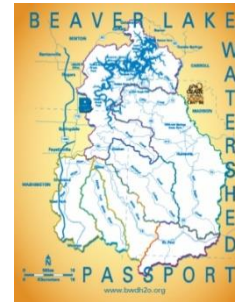
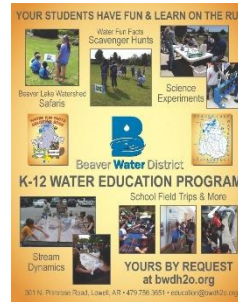
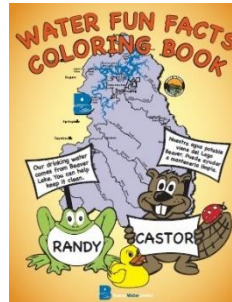
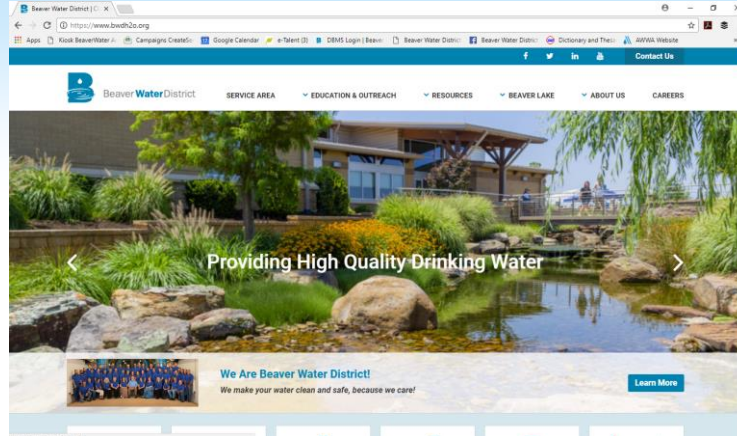
## • PARTNER WITH ALLIED ORGANIZATIONS

AFA, AGFC, APS/HOBBS & WS, BWA, KNWA, NALMS, NWALT, NWAMN, OWW, RWU-PCF, UA-AG/CSES, UACES, USACE, USGS



# CONSISTENT BRANDING & MESSAGING

YouTube



**Beaver Lake.**  
**You drink it every day!**



# CITIZENS WATER ACADEMY

- Mission Statement – To educate citizens and community leaders in the NWA community and to develop ambassadors for BWD through a structured education and outreach program.
- Vision Statement –To provide information about BWD to a diverse group of NWA citizens in order to enable them to advocate on the District's behalf.



Beaver Water District

# BWD CWA - OBJECTIVE

- Objective — To provide community members who have a desire to serve in a leadership role with information pertaining to their drinking water, their watershed, and BWD in order to support community sustainability and regional economic growth.





# BWD CWA – CANDIDATE SELECTION

- BWD will develop an application process.
- Class members will be chosen from nominees submitted by key government, industry, and business leaders.
- Class size will be limited to 16 people.
- Selection by a committee of BWD management and the BWD Board President.
- Class members must receive their water from one of BWD's four customer cities.



# BWD CWA – CLASS CONTENT

- History of BWD – Act 114
- Contract with COE and MOUs with Cities
- How we treat water & drinking water regulations (facility tour)
- Strategic plan, financial plan, budget
- Master Plan & CIP
- Operations, maintenance & lab
- Source water protection program
- Education & outreach program



Beaver **Water** District





# Questions???