RIVERSMART HOMES
RAIN BARREL CONTRACTOR TRAINING
WEDNESDAY . AUGUST 19, 2015 . WASHINGTON, DC
TRAINING SCHEDULE

MORNING SESSION

Location: 1200 First Street NE, Washington DC 20002

AFTERNOON SESSION

4445 Texas Ave SE, Washington, DC 20019

Metro: Benning Rd
RIVERSMART HOMES

Voluntary incentive program

Financial and technical assistance to install 5 BMPs

Must have audit

DOEE coordinates installs

District single-family or < 4 multi-family buildings only
RIVERSMART HOMES PRACTICES

- Rain Barrels
- Rain Gardens
- BayScaping
- Shade Trees
- Pervious Pavers
RIVERSMART HOMES AUDITS

Homeowner enrolls in RiverSmart Homes...

1 hour
DOEE auditor evaluates property during stormwater audit

Within 2 weeks
DOEE auditor provides report to homeowner

1 week – 3 months
Homeowner chooses practices to implement

Homeowner responds to DOEE with preferences for installations

Installs take place within 2-10 months

DOEE refers homeowners to appropriate nonprofits...
RIVERSMART HOMES INSTALLATIONS

DOEE refers homeowner to appropriate non-profit partner(s)

- $50 copayment per tree
- Tree audit
- No limit to number of trees
- 19 native species

- $45 copayment per barrel
- Two per property
- 132 gallon RiverSides rain barrel

- $75 copayment (rain garden)
- $100 copayment (BayScaping)
- $1,200 subsidy for pavers
RAIN BARREL REBATE (RIVERSMART REBATES)

- What is it?
  - A rebate option for homeowners who:
    - Are on an expedited timeline
    - Are DIY-savvy
    - Who want more than the two barrels provided through the standard RiverSmart Homes program

- How does it work?
  - Specific criteria (or our list of pre-approved barrels)
  - $1 per gallon, up to $500 per property (up to two barrels per property)

- How does it impact contractors?
  - Opportunity for fee for service work
  - Terms between the homeowner and contractor are set by the contractor
RIVERSMART & RAIN BARRELS

Over 7,000 District homeowners have applied

Auditing over 1000 properties in 2015

Over 3,600 rain barrels installed since 2009

200+ of rain barrels rebates issued
RAIN BARRELS INSTALLED SINCE 2009

Barrels

Year of implementation

Number of Installs

**RAIN BARRELS DEFINED**

- Rain barrels connect to a house’s downspout to capture and store the rainwater running off your rooftop.

- The harvested rainwater can be stored for later use; released slowly over time to infiltrate properly; or used immediately to water lawns and landscaped areas, fill ponds or fountains, or wash cars.
RIVERSIDES RAIN BARREL BASICS

- 132 gallons
- Recycled plastic
- Currently available in green and black
RAIN BARREL FEATURES & COMPONENTS

- **Inlet:** where the downspout meets the rain barrel
- **Diverter:** directs water either into the barrel or to bypass
- **Filter:** prevents leaves and other debris from entering barrel
- **Overflow:** re-routes water away from barrel when barrel is full
- **Valve:** standard spigot, allows homeowner to easily drain barrel
- **Elevation:** Rain barrels are gravity-fed and should be elevated to increase water pressure
RAIN BARREL INSTALLATION

- Parts & tools needed
  - Downspout parts
    - Flexible extension
  - Elbows
  - Brackets
  - Screws
  - Tools
    - Hacksaw
  - Drill
  - Info from DOEE
RAIN BARREL INSTALLATION

1.) Prep installation site
   - Identify downspout for installation
   - Clear area around downspout (debris, etc.)
   - Level ground
   - Rain barrel orientation

2.) Assemble Barrel

3.) Measure & Cut downspout
   - Be sure downspout will be supported

4.) Attach elbow/inlet
   - What to look for (include picture)

5.) Re-attach downspout for overflow
   - Overflow routed away from foundation of house (preferably into vegetation)
COMMON INSTALLATION PROBLEMS

- Where/how to attach brackets to side of house
- Uneven installation site
- Copper downspouts
- Downspouts or gutters in poor condition/not secured to house
- Wood decks
- Incomplete audit information
RAIN BARREL MAINTENANCE

- Draining the barrel
  - When? Either before or after each rain.

- Cleaning filter
  - When? Once a month.
  - How? Remove diverter from diverter box, clean out debris, hose off.

- Winterization
  - How? Turn diverter to bypass, open valve.
  - Why? To prevent water from freezing in barrel.
RAIN BARREL PROGRAM HISTORY

2009 – May 2014: DC Greenworks purchased rain barrels and installed them citywide

July 2014 – June 2015: Green Spaces for DC installed rain barrels in a targeted watershed

July 2015 – present: Green Spaces for DC is installing rain barrels city wide; Alliance for the Chesapeake Bay is administering rain barrel rebates

August – September 2015: Request for Applications to administer installations and rebate program open
RAIN BARREL RFA

Administer rain barrel installation and rebates

Applications due by September 7, 2015

$215,000 over two years

Eligible to apply if:

- Nonprofit organization
- Faith-based organization
- Universities/educational institutions

**Partnerships between eligible applicants and private enterprises and/or government agencies are permissible as long as the lead applicant is an eligible applicant.**

Available at: [http://doee.dc.gov/page/grants-and-other-funding](http://doee.dc.gov/page/grants-and-other-funding)
Questions are welcome!

Will need extra time to write down questions

All questions and answers will be available online at http://doee.dc.gov/node/1102762
1. Facilitate RB installations (RiverSmart Homes)
   - Propose # of RB installations
   - Propose # of installers contracted with or hired

2. Provide RB rebates to qualifying property owners who purchase and self-install RBs (RiverSmart Rewards)
   - Propose amt of funding to be awarded as rebates

3. Educate homeowner receiving installations and/or rebates on stormwater issues and best management practices
   - Propose number of homeowners reached with education materials or activity
1. Provide homeowner names for RSH installs
2. Provide RBs for RSH installs
3. Determine copayment ($45/barrel) and rebate amounts ($1/gallon)
4. Set rebate criteria (min 50 gal., etc.)
5. Set per property maximums for installation and rebates (2 copayments and 2 rebates)
RAIN BARREL INSTALLATION ACTIVITIES

- Contract or hire rain barrel installers
- Supervise rain barrel installers
- Install target number of rain barrels proposed
- Ensure timely, quality installations
- Store rain barrels and associated parts purchased by DOEE in a secure location that protects against damage or theft
- Manage inventory of rain barrels and associated parts and supplies
- Facilitate homeowner communication with installers
- Accept and account for homeowner copayments
- Collect a signed liability release form and maintenance agreement from the homeowner
- Maintain and report installation and homeowner data
- Educate homeowners receiving RB installations on urban runoff and pollution issues, techniques to reduce them, and proper RB maintenance
- Provide reports to DOEE
RAIN BARREL REBATE ACTIVITIES

- Issue target amount funding as rebates to qualified homeowners proposed above
- Review and evaluate all rebate applications
- Assist program participants throughout the rebate process
- Administer and send rebates in a timely manner
- Update and maintain rebate program documents and application files
- Maintain and report installation and homeowner data
- Educate homeowners receiving rain barrel rebates on stormwater issues
- Provide reports to DOEE
<table>
<thead>
<tr>
<th>Scoring Criteria</th>
<th>Points</th>
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<tbody>
<tr>
<td>Shows a cost-effective and professional approach to maximize the number of rain</td>
<td>40</td>
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<td>barrels to be installed and yield the highest quality installations</td>
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<tr>
<td>Shows a cost-effective and professional approach to advertising and</td>
<td>15</td>
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<tr>
<td>administering rain barrel rebates</td>
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<td>Provides a creative and engaging way to educate homeowners receiving rain</td>
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<td>barrel installations and/or rebates</td>
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<td>Demonstrates that personnel actively working on the project will be qualified</td>
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<td>and have a solid understanding of rain barrels’ use, components, installation,</td>
<td></td>
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<td>and maintenance</td>
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<td>Provides an excellent, detailed plan of work with quantifiable measures and</td>
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<td>milestones that states targets to be achieved</td>
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<td>Provides a detailed and reasonable justification for the funds requested,</td>
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<td>presented in a narrative and as a line-item budget</td>
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OTHER GOOD-TO-KNOW INFO

The RFA
- Funding source
- Permissible use of grant funds
- Applications: when, what, and where
- Updates and Q&A
- Proposal content
- Documents to file as a part of your proposal (pages 15-18)
- Documents to file if you are the grantee
- Grant award administration

The PCA
- Payment
- Big grant purchases
- Contracts, subcontracts, and/or sub-grants
- Accounting and audits
- Document retention
- Insurance
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