

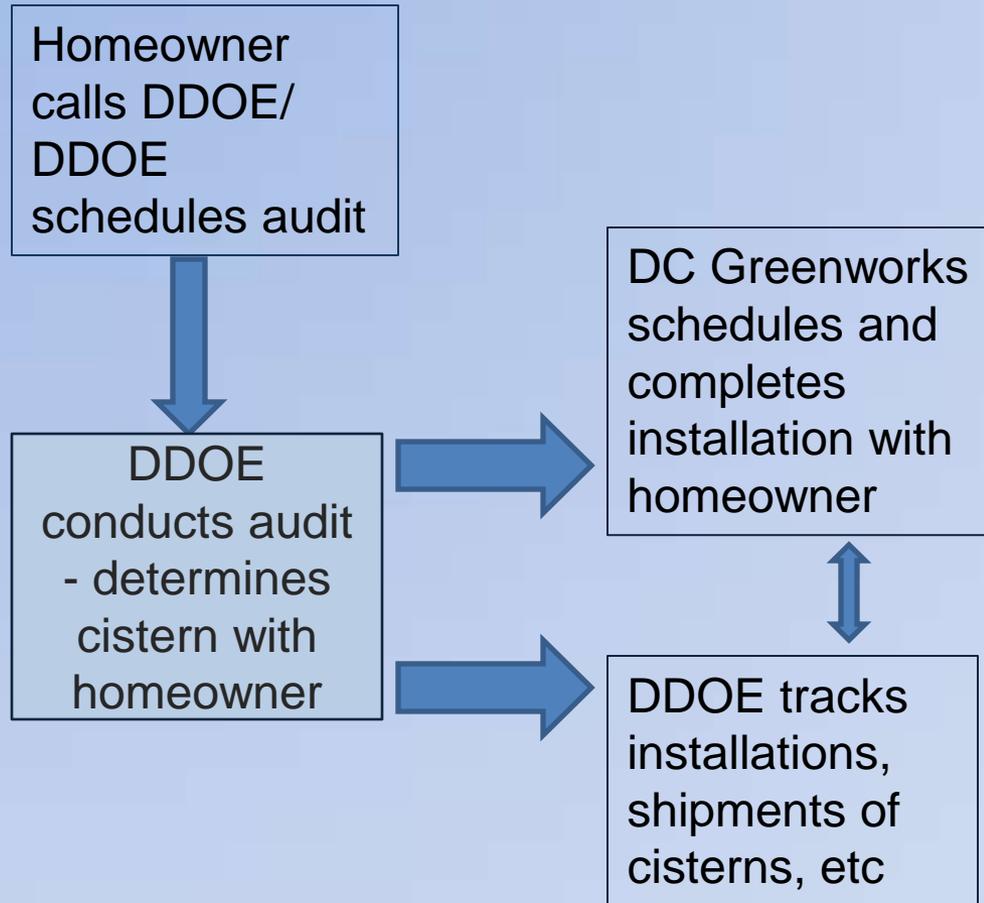
DDOE/DCWater

Bloomingdale / LeDroit Park Rain Barrel Program

October 31st, 2012



Rain Barrel/Cistern program

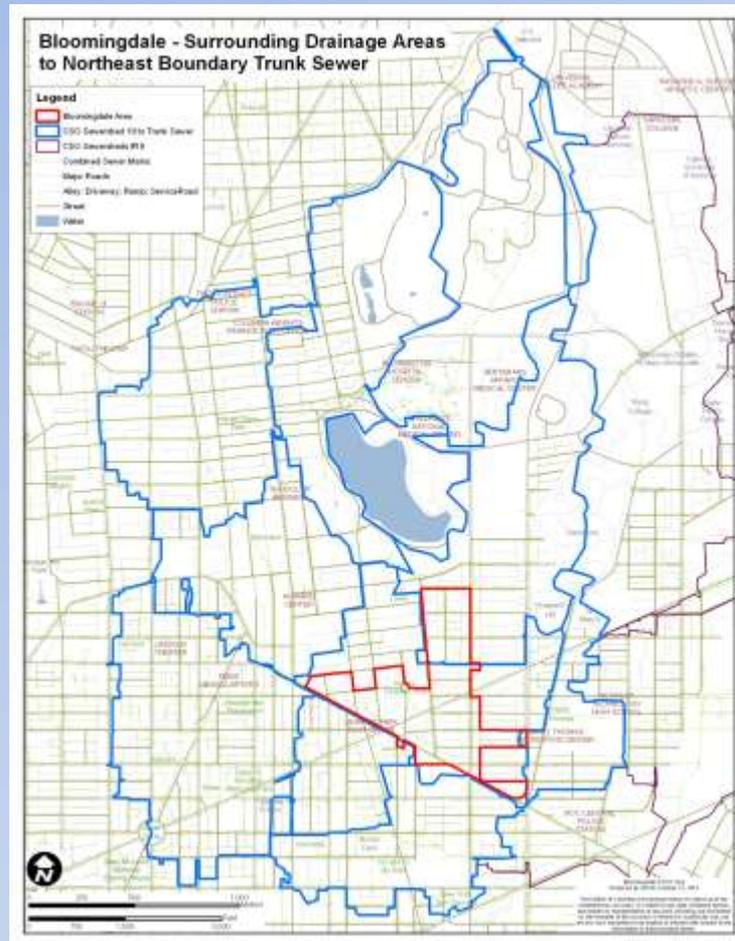


Features:

- no cost to homeowner
- homeowner is educated about cistern maintenance twice
- properly sized cistern is installed



Project Area



Blue area: Broader sewershed that contributes to flooding

Red area: DC Water-delineated targeted area

Timeline/ Results to date

- MOU with DC Water signed Sept. 27th, 2012
- First audits week of Sept 28th, 2012
- Grant agreement with DC Greenworks signed Oct. 18th, 2012
- Contracts to purchase rainbarrels finalized Oct. 19th, 2012
- **112 audits completed** as of Oct. 31st
- **8 additional scheduled** for week of 10/28
- First installations to begin Nov. 1st, 2012
- Installations to continue through mid-December

Available Cisterns



Manufacturer: RiverSides
Model: RiverSafe Rain Barrel
Volume: 132 gallons
Dimensions: 51" X 27"

*Installed as a single
or a double*

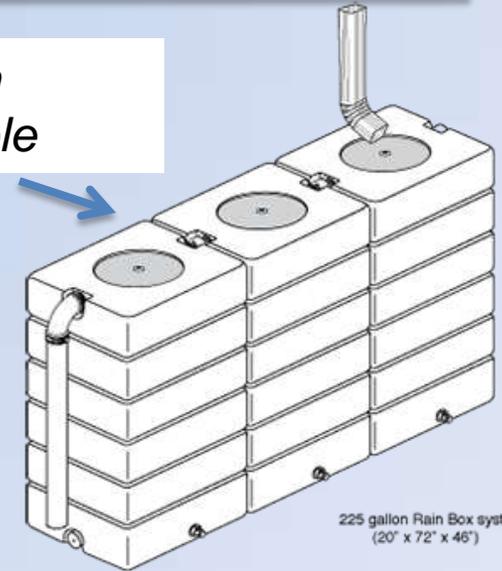
MANUFACTURER: AQUABARREL

MODEL: RAINBOX

VOLUME: 75 GALLONS

DIMENSIONS: 20" X 24" X "42

*Installed as a
double or triple*



225 gallon Rain Box system
(20" x 72" x 46")

Gallons captured

- Assuming a 50/50 split of
 - 132 gal (RiverSafe) and
 - 150 gal (Rain Box, double install),
- Program will *conservatively* capture 35,250 gallons per rain event through this program.
- DDOE is attempting to purchase larger cisterns as well.
- Potential efforts in the broader sewershed could yield approx. 35-60K gal/rain event/\$250,000
- Lower costs could be achieved through a rebate program but requires a homeowner cost-share (20%)

Broader application and expected capture

Practice	5% participation			10% participation			20% participation		
	# homes	Gal. controlled	Est. cost (adding 20% admin)	# homes	Gal. controlled	Est. cost (adding 20% admin)	# homes	Gal. controlled	Est. Cost (adding 20% admin)
Cistern rebate (80% rebate for cistern only) (ave. 250 gal per home)	61	15,200	\$19,000	122	\$30,400	38,000	243.	60,400	\$75,379
DDOE RiverSmart Homes Cistern install (based upon current program)	61	15,200	\$72,960	122	\$30,400	145,920	243	60,400	\$291,840

Questions?

