



## Off-Site Retention

# Allowable Use of Off-Site Retention

- On-site retention  $\geq 50\%$  of SWRv.
  - Free to go off site.
- On-site retention  $< 50\%$  of SWRv.
  - Must prove that on-site retention is technically infeasible or environmentally harmful.

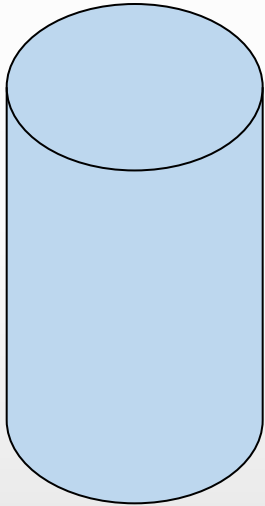


Impervious surface =  
14,000 sf

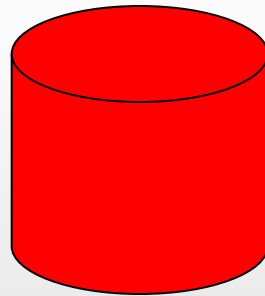
SWRv = 10,000 gal.  
On-site minimum = 5,000 gal.

# Off-Site Retention Volume (Offv)

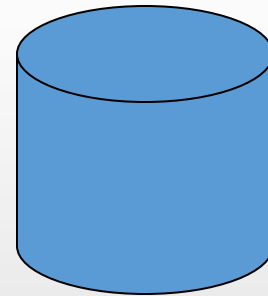
$$\text{SWRv} - \text{On-Site Retention Volume} = \text{Offv}$$



10,000  
gallons



5,000  
gallons



5,000  
gallons

# Two Options to Achieve Offv

- In-lieu fee (ILF) payment = \$3.57
  - Paid to DOEE.
  - Corresponds to 1 gallon of retention for 1 year.
  - Achieves 1 gallon of Offv for 1 year.
  - Inflation adjusted annually.
  
- Stormwater Retention Credits
  - Privately tradable.
  - 1 SRC corresponds to 1 gallon of retention for 1 year.
  - 1 SRC achieves 1 gallon of Offv for 1 year.

# Achieving Offv

- Offv stated on SW Management Plan (SWMP).
- How Offv will be met is not stated on SWMP.
- Offv must be met as of DOEE final construction inspection.
- Offv is an ongoing obligation that can be:
  - Met on yearly or multi-year basis.
  - Met with a mix of ILF & SRCs and mix can change.
  - Reduced in the future by increasing on-site retention.
- If a regulated site lapses in compliance with Offv:
  - DOEE automatically assesses ILF and late fee (10%).
  - DOEE will take enforcement action as necessary.

# Calculating Cost to Achieve Offv

Impervious surface =  
14,000 sf

SWRv = 10,000 gal.

On-site minimum = 5,000 gal.

On-site retention = 7,000 gal.

Offv = 3,000 gal.

## Calculating Cost to Achieve 3,000 gal Offv

	In-Lieu Fee	SRCs
<b>Annual</b>	$= \$3.57 * 3,000$ $= \$10,710$	$= \text{SRC Market Cost} * 3,000$ $= \$3,000 (?)$
<b>5 years</b>	$= 5 * \$3.57 * 3,000$ $= \$53,550$	$= 5 * \text{SRC Market Cost} * 3,000$ $= \$15,000 (?)$

# Use of Stormwater Retention Credits

- Clock starts on 1-yr. lifespan when used for Offv.
- SRCs can be banked indefinitely.
- Use of SRCs generally not limited by watershed, except trading ratios for AWDZ sites.
- Maintenance failure at SRC-generating site does not invalidate SRCs purchased from that site.
- An SRC owner can retire SRCs without using.

# Eligibility for SRC Certification

Eligible BMPs & land cover changes must:

- 1) Achieve retention above existing retention or regs.

**Retention Volume Eligibility: Stormwater Retention Credits (SRCs)**

