

OFFSET PROGRAM - Draft concept

A. Offset Credits: Must equal at least 80% of total offsets for amount over baseline	<u>Offset Credit per gallon</u>	<u>Sub-basin multiplier (see note e)</u>	
1. Infiltration/Recharge			
Sewer Infiltration Removal	0.4	1.25	Based on gallons removed (documented)
Sewer Inflow Removal	0.1	1.25	Based on gallons removed (documented)
Wastewater Recharge	0.8	1.25	Based on reduction of export of wastewater via sewer and recharged locally
Stormwater Recharge (note a below)			
<ul style="list-style-type: none"> • Retrofit existing development/redevelopment 	0.4	1.25	Based on gallons per year of increased recharge over existing infiltration
<ul style="list-style-type: none"> • New development: exceed pre-development recharge 	0.4	1.25	Based on gallons per year of recharge in excess of pre-development recharge
Dams/Reservoir Operation/habitat and streamflow restoration (Note b below)	site specific		
Well Optimization (Note c below)	0.5		
2. Water Conservation			
wastewater recycling	1.0		Based on gallons reused through purple pipes
water reuse (note d below)	0.5		(withdrawn from water supply source, environment)

B. Soft Credits: Not to exceed 20% of total offsets	<u>Percent of total offset</u>	
1. Water Recharge		
Rebate plan for bioretention basins, rain gardens, similar BMP's promoting infiltration	5%	
Comprehensive LID bylaw	5%	
2. Water Conservation		
Landscaping BMPs/soil management bylaw	5%	
Bylaw requiring 3-6 inches of topsoil and 5% organic matter	5%	
Bylaw limiting the lawn size/impervious cover and clearing of native vegetation	5%	
Bylaw prohibiting irrigation systems/requiring retrofit of existing systems	5%	
Rebate program for rainwater recovery systems	2%-5%	depending on system
Bylaw making private wells subject to same outdoor watering restrictions as PWS	5%	
Bylaw for municipal grounds, parks and athletic fields	5%	
Retrofit of existing development w/ specific low flow devices	1.0	to a maximum of 5% of total offset
Drought Management Plan/ irrigation restrictions that go beyond restrictions in WMA/Policy	5%	
ICI Audits and minimum 10% reduction	1.0	to a maximum of 5% of total offset
60 gpcd or lower	5%	
Water or Sewer bank bylaw at minimum 2:1	5%	

NOTES:

a. Stormwater recharge:

- credit for measures that go beyond Storm Water Phase II requirements and DEP SW Policy only
- Annual report on O&M of stormwater recharge BMPs must be submitted, onsite logs must be kept; loss of recharge credit for failure to maintain BMPs

b. Dams/Reservoir Operation/habitat and streamflow restoration

- Must be consistent with restoring flow/degraded habitat (no negative impact)
- requires stressed sub-basin analysis and site-specific habitat study
- releases must be May-August for credit
- dam or culvert resizing or removal can be credited
- credit is determined on site-specific basis

c. Well Optimization

- based on reduction in summer pumping (May-September) of wells near surface waters
- hydrogeologist evaluation and estimate necessary or establish maximum distances linked to aquifer material for sliding credit

d. Water Reuse

- lower ratio for uses subject to high evaporative losses

e. Sub-basin multiplier

- Extra credit will be given for certain activities undertaken in the same sub-basin where pumping wells create impacts