

**From:** pat sagui <sagui@pat@gmail.com>  
**Sent:** Tuesday, February 21, 2017 2:40 PM  
**To:** David Deen  
**Cc:** Laura Bozarth  
**Subject:** Funding water quality  
**Attachments:** cost-effectiveness.pdf

Hi Rep. Deen,

I'm late to the party for the 'funding water quality' conversation and appreciate the time you've given it. Thank you. Testimony from Charlie Baker and Roy Schiff is headed in a direction that the Composting Association also supports. A couple comments to add to what they presented:

- Coordinate Regional planning and action within watersheds, supported by data in basin plans
- Provide incentives for zero discharge development, new and retrofitted existing development
- Retrofit large industrial roofs to green roofs (require green roofs for all new industrial buildings. This action meets three policy priorities:
  - stormwater management
  - cost effective emissions reduction (~\$25/Ton of GHG, vs \$200/T for Lowell wind project, and \$100+ / T for solar PV)
  - less fossil fuel and electricity used for heating and cooling. (Research and overview of green roof technology attached)
- Focus on increasing upstream infiltration. According to VTRans infiltration is the best 'bang for the buck'. (You likely know that!)
- Establish a revegetation performance standard for road projects (see CAV policy paper, pg 21, link to Colorado DOT study)

For reference attached/linked:

### **CAV Soil Policy paper**

(Includes over 75 actions for state and local government, and private landowners to address water quality through improving soil health; cost/benefit data; real world examples.

26 MB full size

<http://compostingvermont.org/wp-content/uploads/2015/03/Soil-Policy-in-Vermont-FINAL-170110.pdf>

2.2MB - fine for viewing on laptop or smaller devices

<http://compostingvermont.org/wp-content/uploads/2015/03/Soil-Policy-in-Vermont-FINAL-170110-reduced.pdf>

New US Forest Service literature review of BMPs for roads

<https://www.treesearch.fs.fed.us/pubs/53428>

(I'll drop off a hard copy)

### **Green Roofs technology info**

from Carnegie Mellon

from US-EPA

<https://www.epa.gov/sites/production/files/2014-06/documents/greenroofscompendium.pdf>

from nonprofit industry group:

<http://www.greenroofs.org/resources/PolicyBrochure-HowYourCommunityWillBenefitFromGreenRoofPolicy.pdf>

Happy to chat about any of this.

best,

Pat

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