Tuesday, 5 February 2019, 8:30am

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Water/Stormwater SWATeam Meeting Minutes

Present: John Berens, Rabin Bhattarai, Eliana Brown, Kishore Rajagopalan, Claire Samojedny, Arthur Schmidt, Colleen Williams

I. iCAP Goals Evaluations

A. Goal Attainability

1. Stormwater reuse is unattainable without legislation to support; water use goals after 2020 are dependent on water reuse

2. Dependence on idea of water reuse may be causing campus to ignore other stormwater management techniques

a. Much of the water use reduction on campus is due to increased energy efficiency and connecting cooling towers to the more efficient main chilling plants.

i. It will be interesting, for example, to observe change in water and energy use in the Hydrolab and other buildings scheduled to be renovated.

b. Another example: underground retention is mostly useful for decreasing peak flow. Campus is more focused on installing these than raingardens.

c. Even for irrigation, water must be treated in Illinois. Would drip irrigation be more easily accepted by law?

B. Goal Amendments

1. Should re-examine goals relative to other universities in the Midwest, as they were made in part by university per-capita usage and projected campus population growth

2. Goals should broaden current focus on reuse of water for water use reduction.

II. iCAP Objectives Evaluation

A. Obtain and publicize more granular water data by FY16, including water quantity and quality data where available.

1. This goal was partly intended to allow students to conduct projects related to water use.

2. Another intention of the goal was to increase resolution of data in space and time: ex. sections of buildings

a. Would allow for observation of water use in buildings when people aren’t there

b. Might allow for comparison between water use and energy consumption

B. Improve water efficiency of cooling towers by limiting the amount discharged to sewer to less than 20% of water intake for chiller plant towers, less than 33% for stand-alone building towers, by FY2020.

1. Action: ask for data related to this for more informed decisions on this objective

C. Perform a water audit to establish water conservation targets and determine upper limits for water demand by end-use, for incorporation into facilities standards for end-use by FY2016.

1. Objective involves finding reasons why water usage might be greater in certain buildings: ex. labs that use DI water rely on reverse osmosis, which can be wasteful

2. There is no organization within campus funded to conduct an audit.

3. Previous ideas involving volunteers would create obstacles when it comes to labs, which do not allow unauthorized entry.