

Focused on water conservation in Residence Halls

- 30% of campus area but 60% of water consumption

Three aspects:

- Physical Retrofits – Kitchens and Bathrooms
- Behavior Change Interventions – Multi-tiered and directed by Psychology Department
- Lab Equipment – Recirculating pumps (#24) saved 50,000 gallons alone

Primary Learning:

- Created a “Campus as Lab” model to engage students in process
- Good water conservation outcome from both retrofit and behavior interventions*

Primary Outcome:

- 790 retrofits will save 30 million gallons worth \$200,000 (2015 water rate) for an ROI of 11.8 months



GALLONS SAVED & SHARED PROJECT 2014-2015

SUPPORTED BY ILLINOIS SUSTAINABLE TECHNOLOGY CENTER

MELCHIORI, K. J., MALLETT, R. K., DURNBACH, A. N., & PHAM, H. D. (2016). MATERIAL VALUES, GOALS, AND WATER USE: RESULTS FROM A CAMPUS RESIDENCE HALL SURVEY. IN FILHO, W. L., & ZINT, M. (EDS), *THE CONTRIBUTION OF SOCIAL SCIENCES TO SUSTAINABLE DEVELOPMENT AT UNIVERSITIES* (PP. 273-287). CHAM, SWITZERLAND: SPRINGER.

MALLETT, R.K. & MELCHIORI, K.J. (2016). CREATING A WATER-SAVER IDENTITY REDUCES WATER USE FOR STUDENTS LIVING IN RESIDENCE HALLS. *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY*, 47, 223-229



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