ImplementingWater Efficient Lamina/Flow Showerheads

Table of Contents

Introduction

Water, beinga central component for all life on Earth, should not be taken for granted. Although seemingly limitless, fresh potable watefinitie andwe must doour part to conserve the water supplyto prevent exhausting resource very day, each person uses at the state of the water in the U.\$U.S. Geological Survey has hower is oftentimes an integral paft a perso b day. It is to nosurprise then, that the shower is one of the largest use of household water approximately 1.2 gallons for 82 minutes at a flow rate of 2.1 gallons per minute (gpm) (Alliance for Water Efficiency.) The showers in the Lewis University Field House was experimentally calculated to be about gpm. Replacing our current shower as withnew 1 gallon per minute shower as willsignificantly cut down on Lewis University water usage.

ImplementationPlan

Lewis University houses approximately 1,200 stude(hteswis University) Let us assume thereare600 showerseveryday. After measuring the flow rate of the showfarcem the locker rooms in the Field House and by using the average shower tireax tracted from databy the Alliance for Water Efficiency Lewis University uses approximately 380 gallons of water every day on showers alongen order to conserve wate the shower assault Lewis University should be replaced with show to conserve wate the shower assault Lewis University should showeheads in doms and locker rooms with new ater efficient show the eads Lewis University has the potential to save about 67 fthe water used from shower fishis will contribute to Lewis University Ös commitment to making a significant reduction ierouir onmental footprint in the world. In 2012, the University of SouthernMain upgradedover 300 showeheads in student

!"#\$%&'()***+**&

! &''()*+,!-./!0)1,/!2--(+(,*+3!4!