

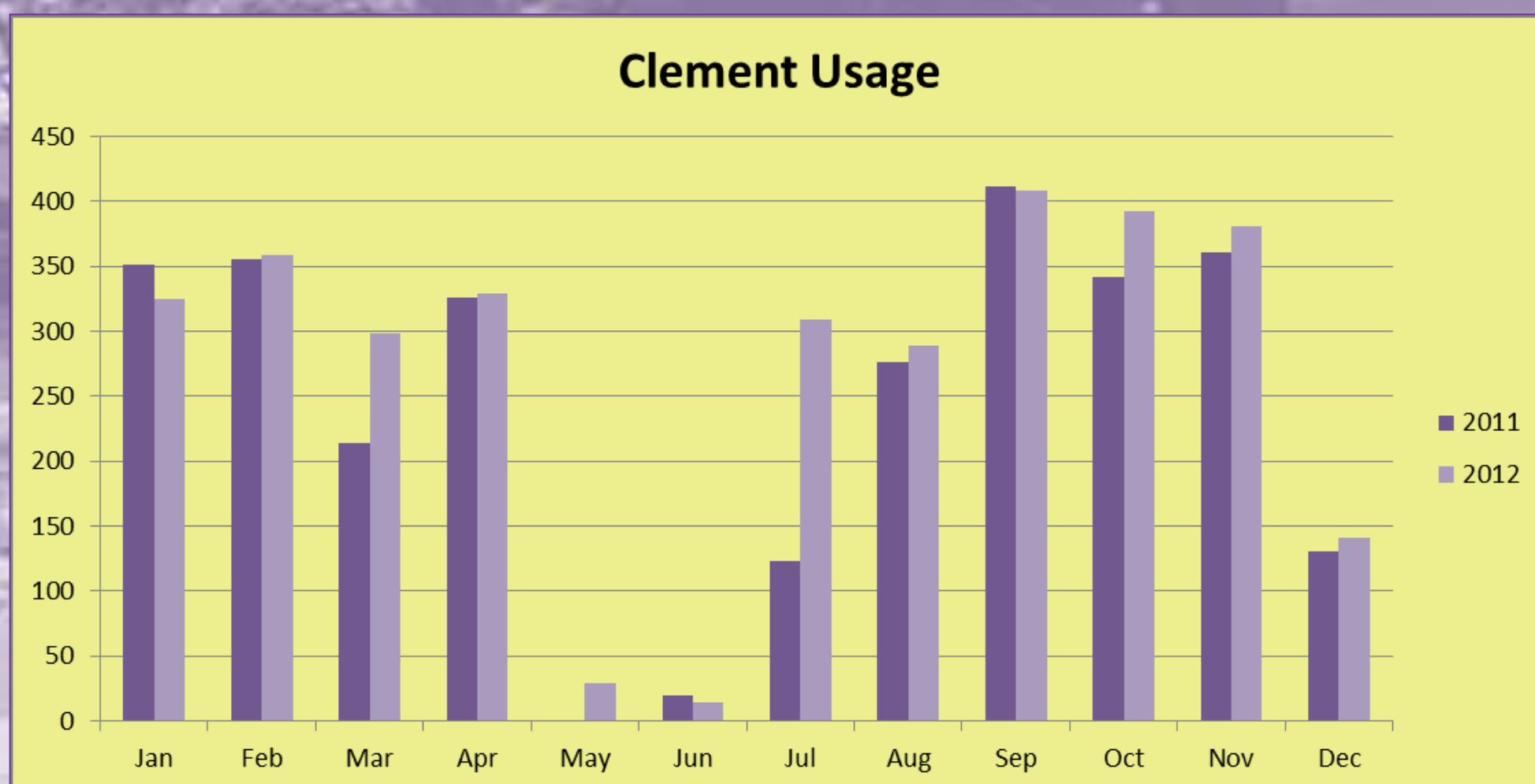
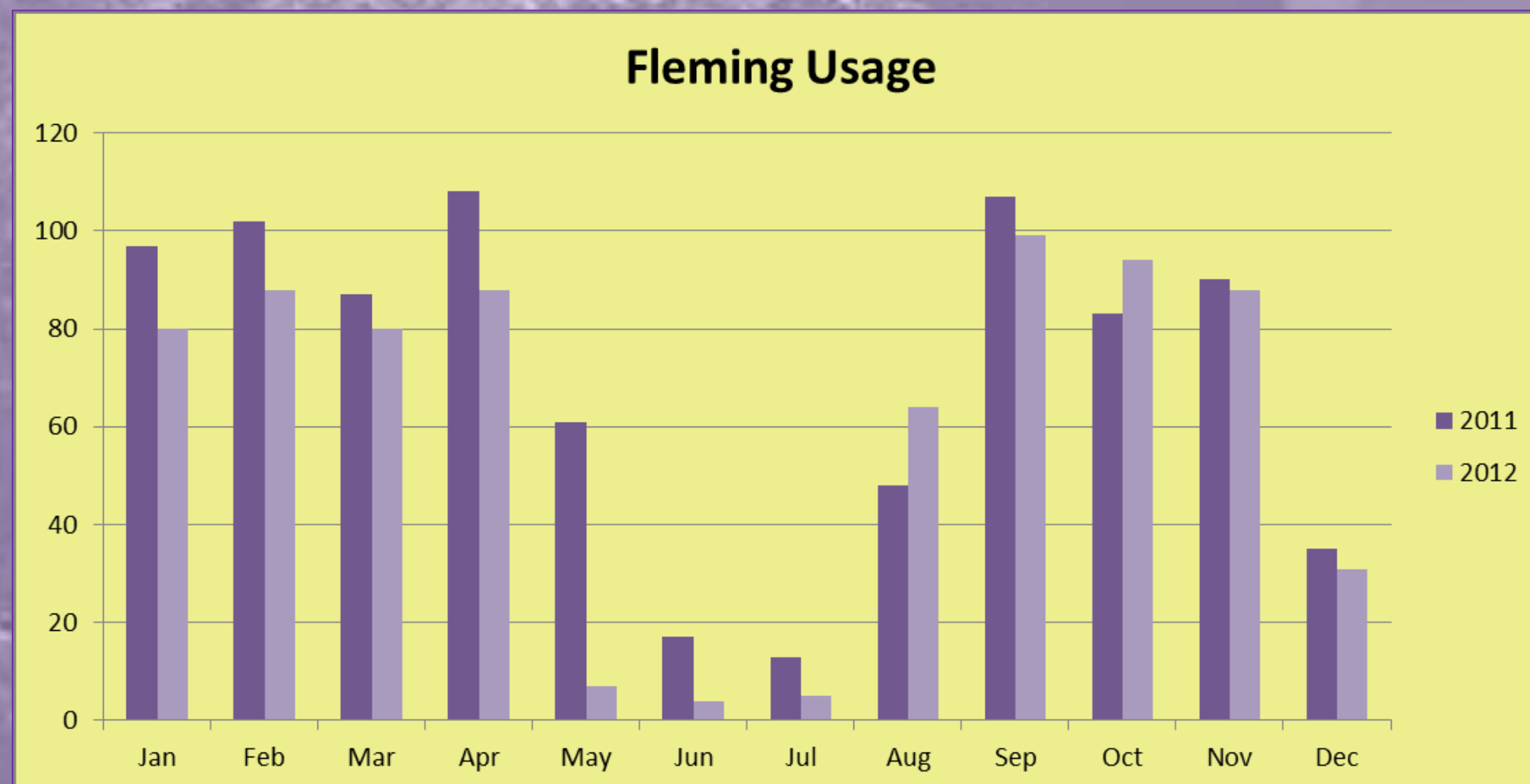
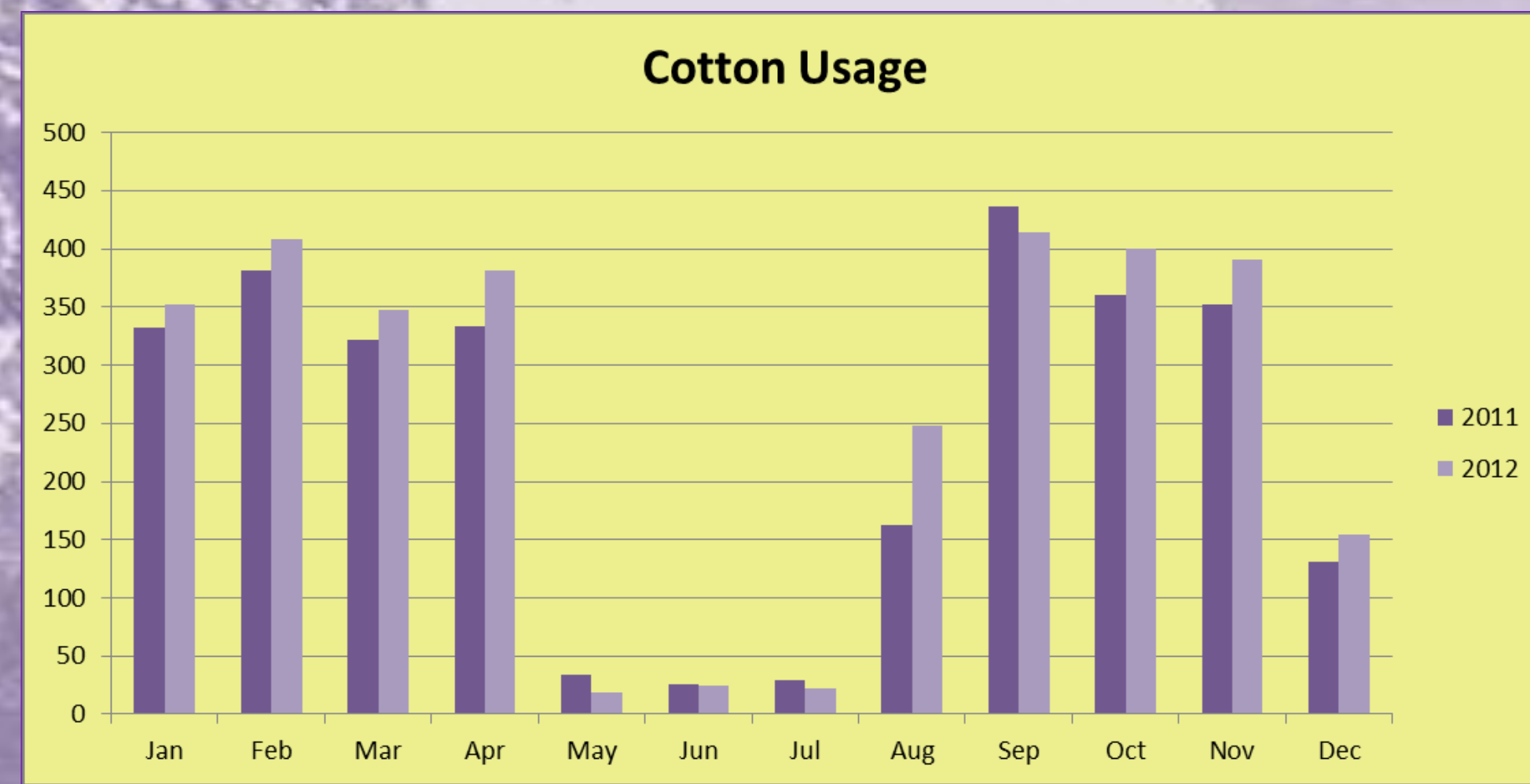


ECU Dormitory Water Audit



WATER USAGE

(Gallons)



What are the Benefits of Water Conservation?

- Saves money
- Protects drinking water resources
- Minimizes water pollution and health risks
- Reduces the need for costly water supply and water treatment facilities
- Maintains the health of aquatic environments
- Saves energy used to pump, heat, and treat water

[Make Every Drop Count](#)

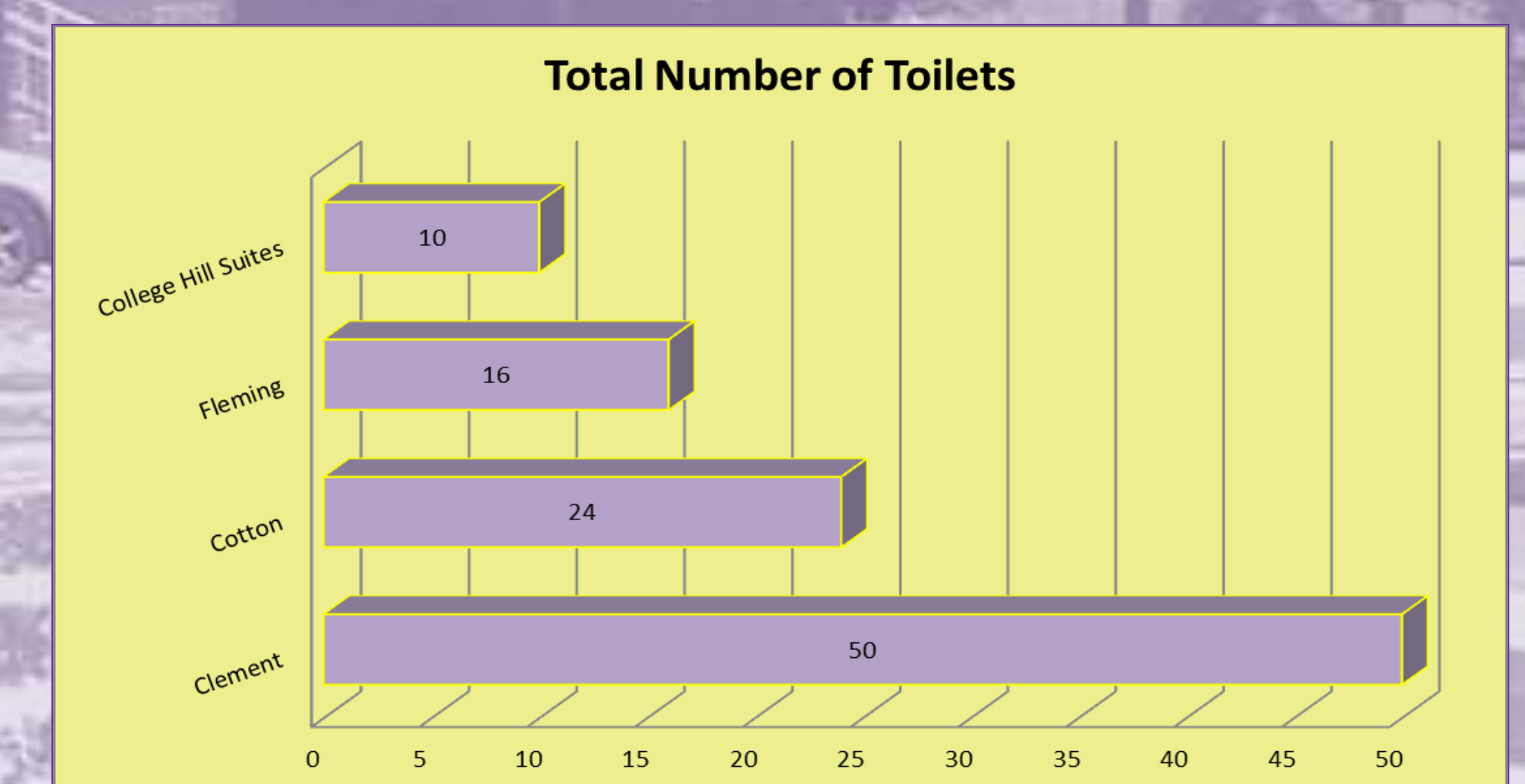
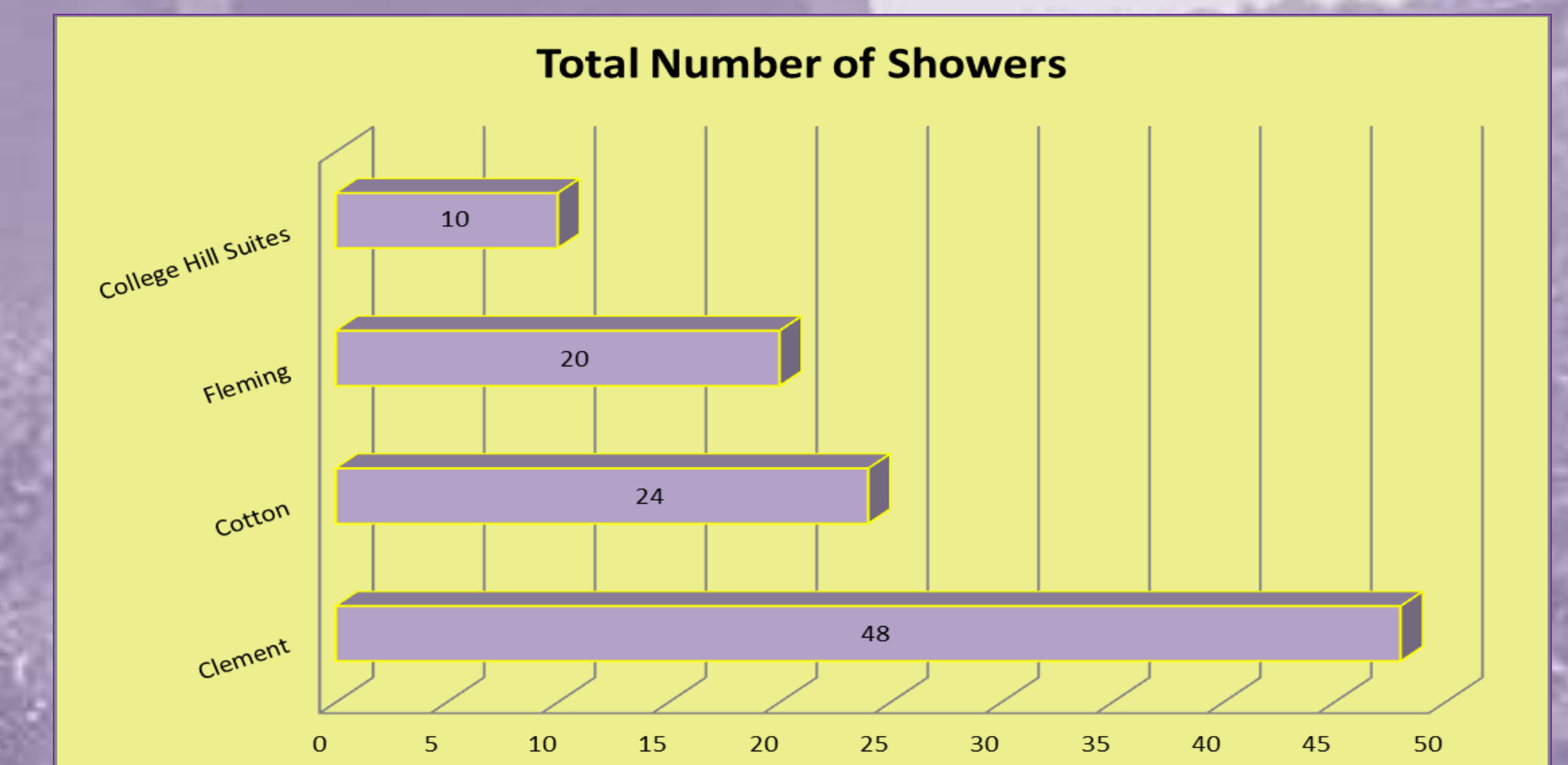
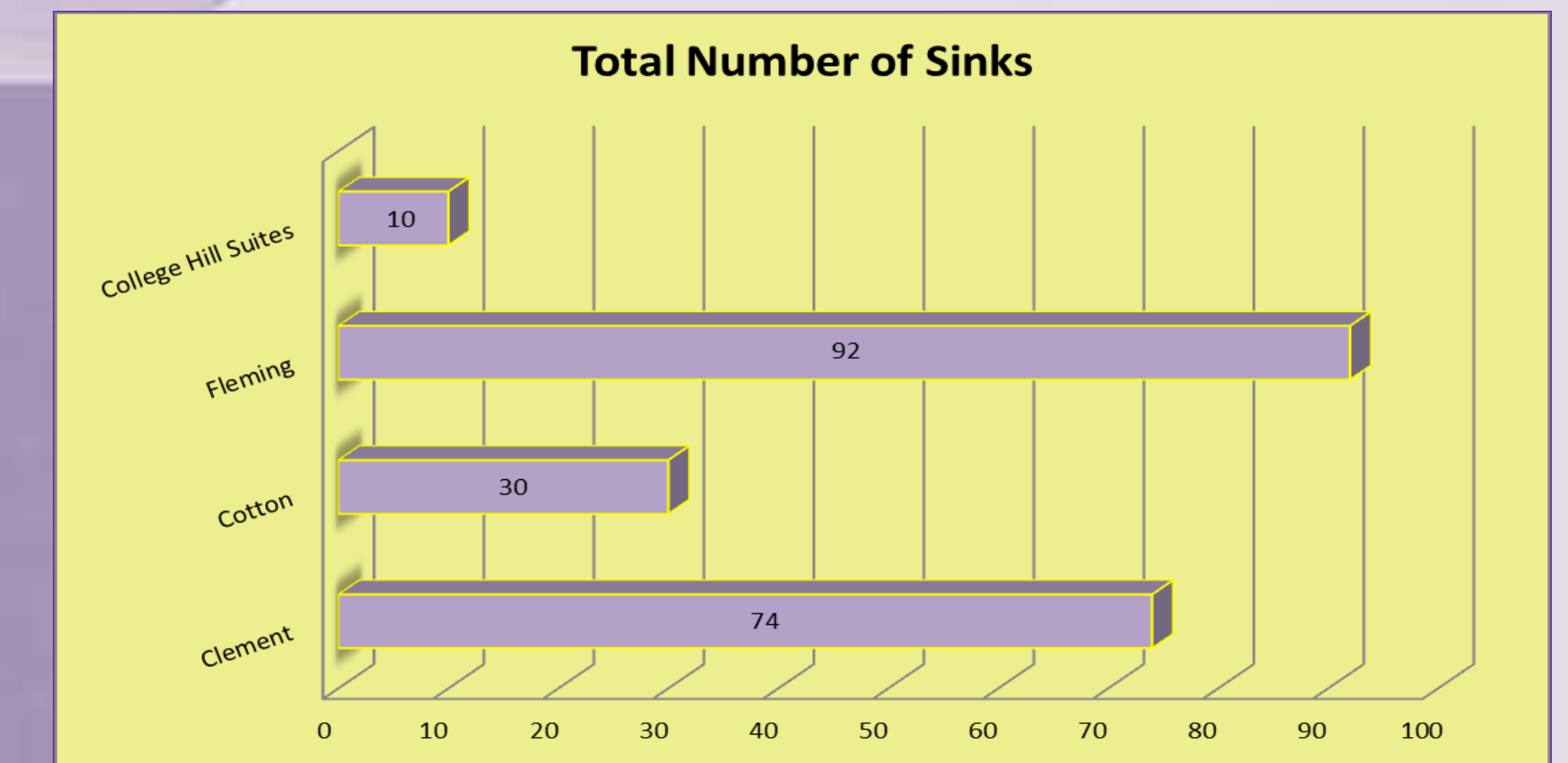
Water Conservation Tips:

- When washing dishes by hand, don't let the water run while rinsing
- Run your clothes washer only when they are full
- Replace wasteful fixtures with water-efficient models
- Collect water from your roof to water your garden and yard
- Fix leaky fixtures, this is simple and can save 140 gallons a week

[More Conservation Tips](#) [Watch Conservation Tips](#)

Our data collection was referenced from other water audit [standards](#)

FIXTURE COUNT



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Cost of Implementation of Low Flow Fixtures	
Total Sinks	196
Total Showerheads	92
Total Toilets	90

Cost Per Sink Aerator	\$2.79
Cost Per Showerhead	\$9.80
Cost Per Toilet	\$169.00

Sinks	\$546.84
Showers	\$901.60
Toilets	\$15,210.00
TOTAL	\$16,658.44

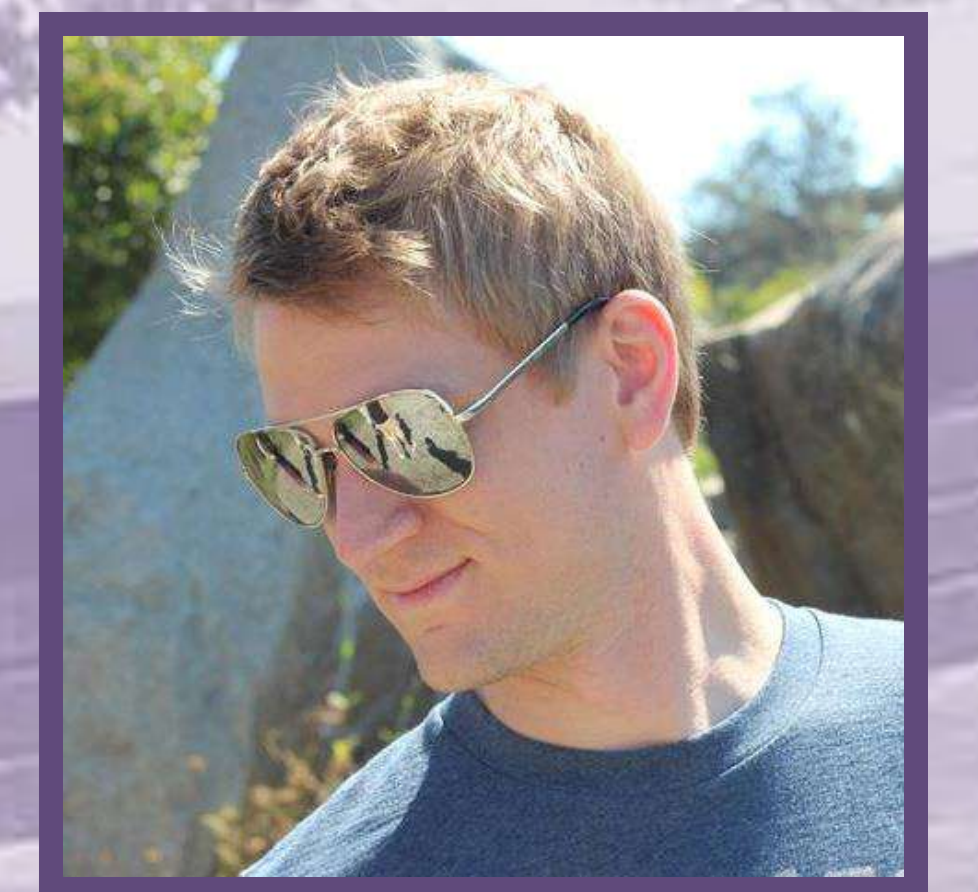


Possible Savings:

In 2012, the university consumed 183,695,000 gallons of water at a total cost of \$1,479,462. This calculates to \$8.05 per thousand gallons. By reducing the GPF of all toilets the cost associated with flushing will be reduced by 50%. By switching sink aerators to low-flow the water consumption and cost will be reduced by 85%. Implementing low-flow showerheads into all dormitories on campus has the potential to reduce usage and cost by 40%. This reduction can save the university a substantial amount of money and reduce its impact on fresh water consumption.



RCAW Mentor, Dr. Robert Chin



University Energy Engineer and Sustainability Committee Chairman, Mr. Brian Pipkin

[Click here for References](#)



[More Low-Flow Fixture Information](#)