

Rationale for the study

Water in Phoenix is inexpensive; this provides little incentive for residents to conserve water. However, water and climate models predict that water will become increasingly scarce in the future and will need to be conserved. Conservation efforts would be aided by knowledge of which water uses are perceived as necessities and which are perceived as luxuries (Li, Kenrick, Bailey, Linsenmeier, 2002).

Residential water use survey

Participants

a. 95 individuals (55 women and 40 men) recruited from an Introductory Psychology research pool participated

Procedure

a. Participants completed an online survey, they were randomly assigned to one of two conditions—a \$50 vs. \$75 budget.

b. Participants indicate their preferences for water usage across ten categories (e.g. taking 10 minute showers). Categories divided into four levels that ranged in price from \$0.00 to \$10.00.

Categories were:

- Showering
- Landscaping
- Outdoor Watering
- Baths
- Toilet Flushing
- Swimming Pools
- Dishwasher

d. After choosing preferences measures, additional measures of their Environmental Orientation using the New Ecological Paradigm (Dunlap, Van Liere, Mertig, Jones, 2000), and other demographic information were taken.

Preliminary conclusion

- Indoor water use is consider more of a necessity than out
- Males are more likely than females to view outdoor water
- Increasing water prices may be effective for reducing lux
- Spending extra for environmental protection is considered

Addressing the next

• This pilot study with college students limits findings to participants that probably do not own their own homes.

• A follow-up study will survey the Metro-Phoenix area to get a broader cross-section of participants. This will provide more variance in age and income as well as other demographics.

Necessities and Luxuries in Residential Water Use

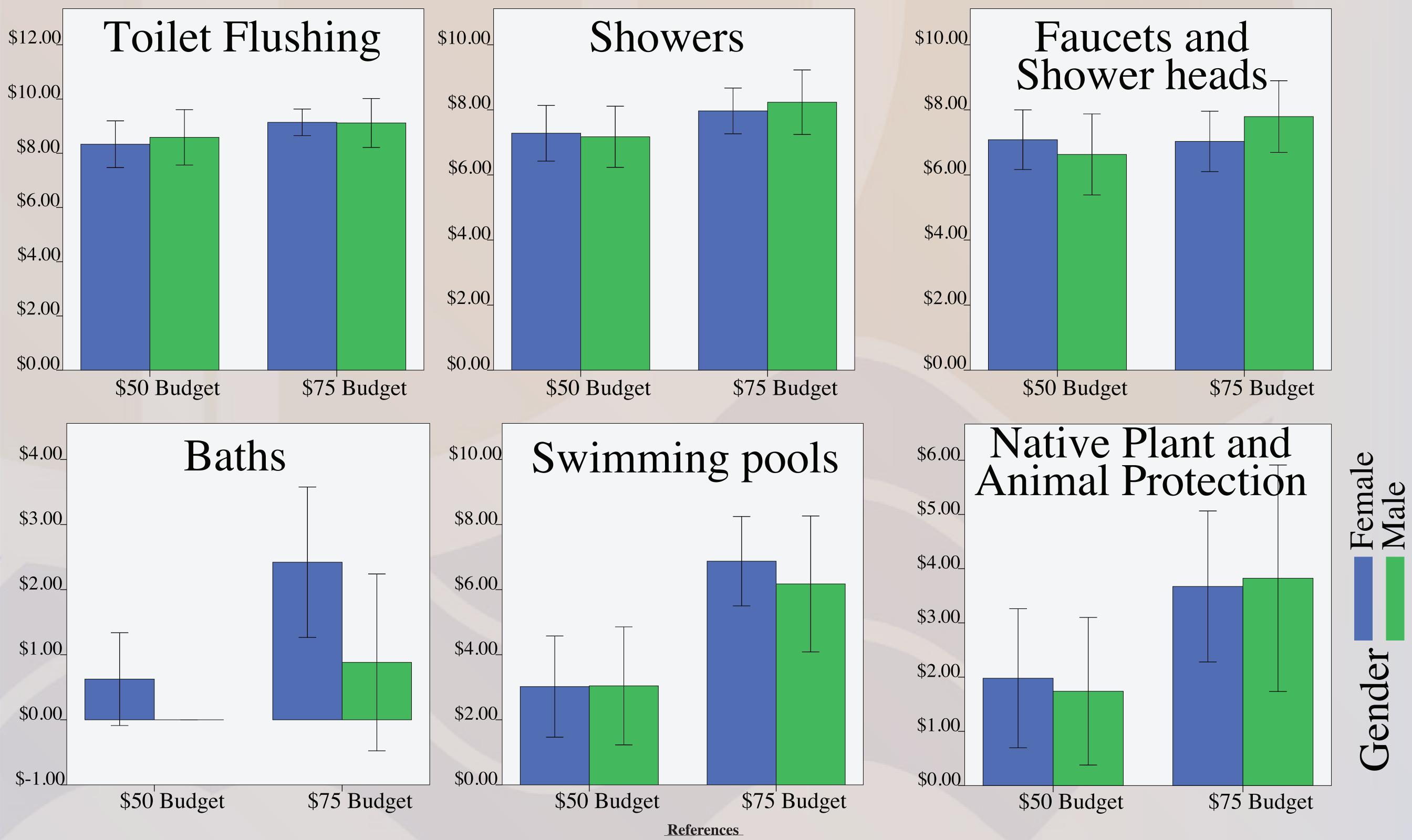
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What are the perceived necessities associated with water usage and what aspects are considered luxuries?

•Washing Machine • Faucets and Shower heads • Native Plant and Animal Protection

door use	\$4
r use as a necessity	\$3
ury water service consumption.	
d a luxury.	\$2
	\$1
steps	ΨΙ

Does "environmental orientation" influence the perception of luxuries and necessities?



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Necessities: Showering, faucets and shower heads, and toilet flushing. Indoor use.

Are there gender differences in perceived necessities and perceived luxuries?

Necessities:

Males: Landscaping *Females:* Faucets and Shower heads

Luxuries: Bathing and swimming pools. Outdoor use.

Luxuries: *Males:* (no significant findings) Females: Landscaping, Outdoor use

Higher scores on the New Ecological Paradigm scale our correlated with larger contributions towards Native Plant and Animal Protec-

Scale. Journal of Social Issues. 56, 425-442.

Dunlap, R.E., Van Liere, K.D., Mertig, A.G. Jones, R.E. (2000). Measuring Endorsement of the New Ecological Paradigm: A Revised NEP

Li, N.P., Kenrick, D.T., Bailey, J.M., Linsenmeier. (2002). The Necessities and Luxuries of Mate Preferences: Testing the Tradeoffs. Journal of Personality and Social Psychology. 82, 947-955.