



Current Water Conservation (Task 3.1)

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Agenda

- Introductory comments
- Issues relative to measurement of conservation
- Current conservation and reuse efforts
- Recommendations for ongoing planning efforts

Introduction

- Water conservation, including reuse, has been established as a major water management strategy for Region C
- Strategies have been implemented that have significantly contributed to relative water demand reductions throughout the region

Issues Relative to Measurement of Conservation

Regional/Local Comparisons: GPCD Calculation Factors

■ Water Usage Volume

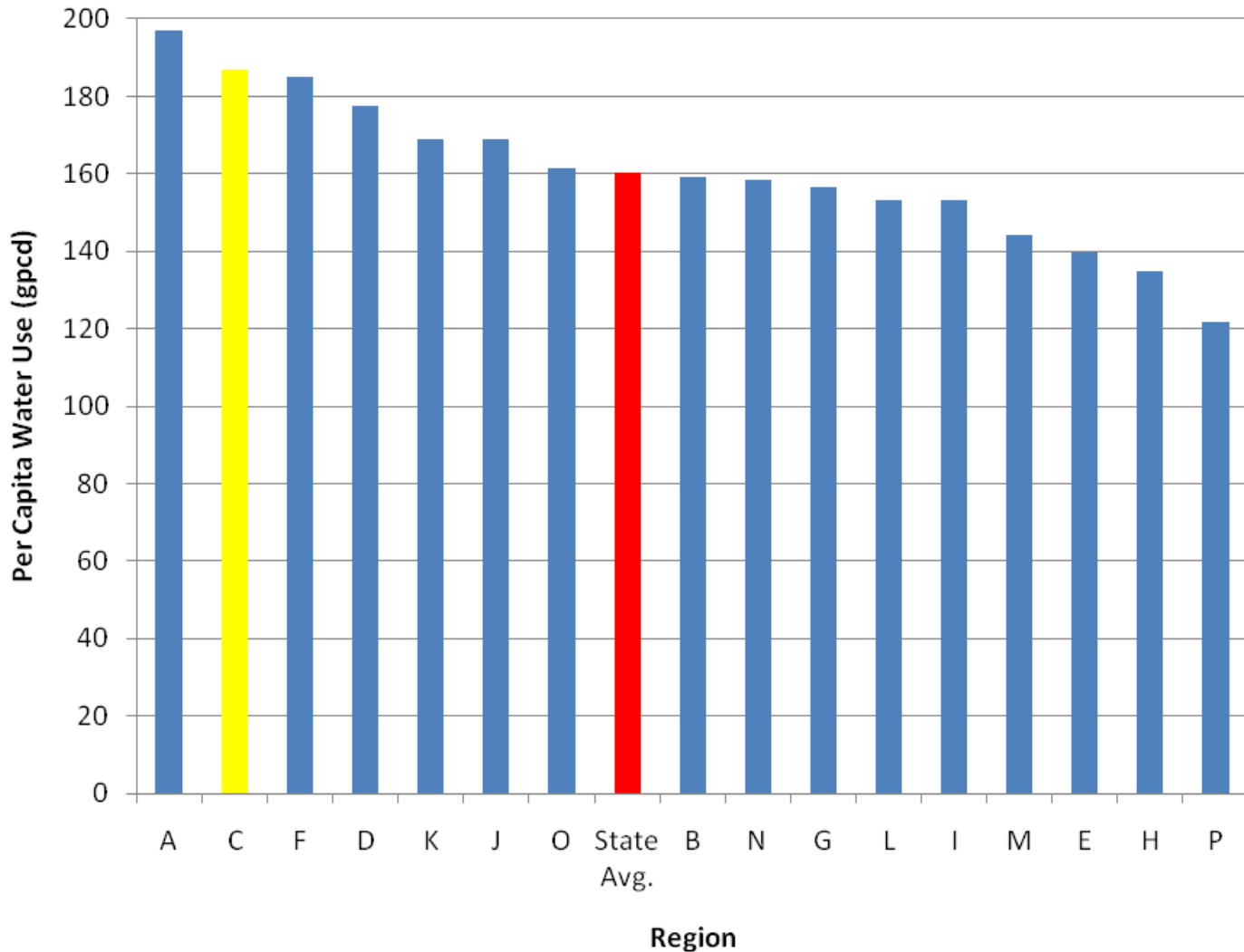
Population Related Usage	Water Use Accounting
Single Family Residential	Regional Economic Condition
Multifamily Residential	Climate
Commercial Water Usage	Availability of Water Supply
Institutional Water Usage	Self-Supplied Users
Recreational/Public Water Usage	Water Pricing
Active Conservation Programs	Amount of Reuse/Recycle

Service Area Population	Commuter Influx
Accuracy of Population Count	Growth vs. Mature Cities
Timeliness of Data	Regional Economic Condition

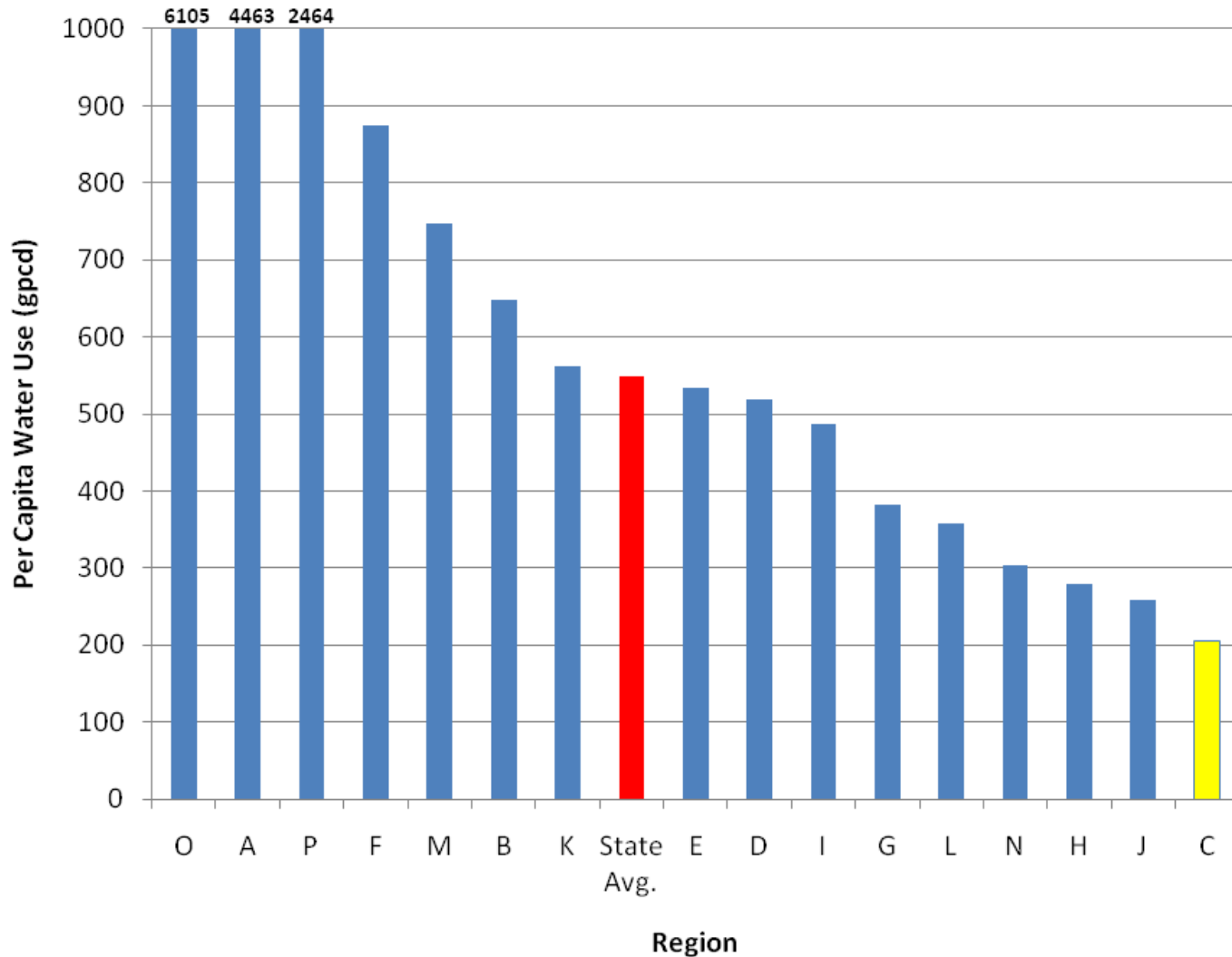
Conservation Measurement Issues

- Calculation techniques and input data differ between entities
- Water Conservation Advisory Council recommendations
 - Develop methodology, metrics, and standards to measure and report water conservation and water conservation implementation
 - Develop specific guidelines for calculating GPCD
 - Do not use total GPCD for comparisons

2006 Municipal Per Capita Water Use by Region

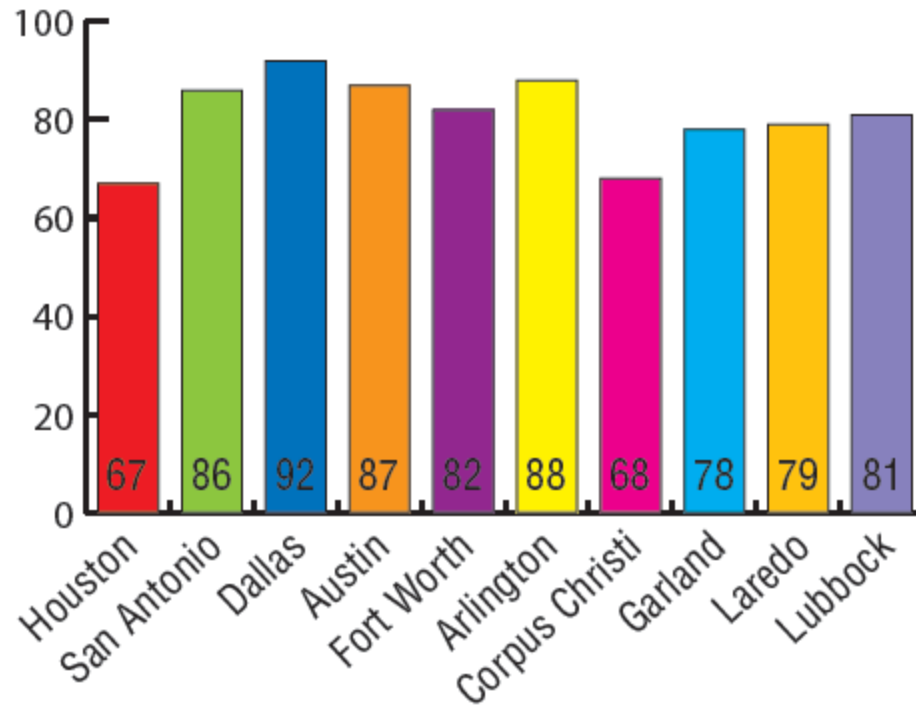


2006 Total Per Capita Water Use by Region



Normalized GPCD Comparison Major Texas Cities – 2007

**Per Capita Residential Water Use
in Major Texas Cities**



Current Conservation and Reuse Efforts

Region C Water Conservation Progress

- Significant public awareness campaign
- Time of day irrigation restrictions
- Low flow toilet rebate programs
- Public/school education programs
- Water waste prohibition ordinances
- Increasing block water price structures
- Residential water audits offered at discount/free cost
- Municipal/systemwide water audits

Region C Water Reuse Progress

- Region C Plan includes significant reuse projects to meet water demands for
 - Augmentation of potable supply
 - Electrical power generation
 - Irrigation (i.e., golf courses) and other nonpotable needs
- A number of entities have developed water reuse plans

Recommendations

- Continue coordinated public education activities
- Continue strategies recommended in Region C Plan
- Participate and support development of standardized metrics and approach to calculating GPCD.
 - Measurement of savings
 - Provide water planners with information necessary to make decisions regarding cost-effective measures
 - Water planners to measure performance (tool to measure effectiveness)