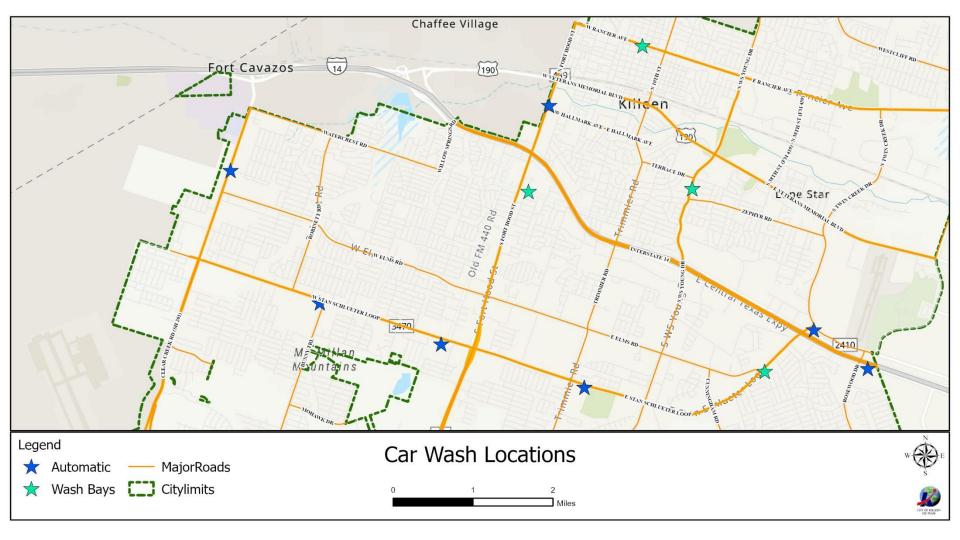
# REVIEW OF CAR WASH WATER USAGE AND REGULATORY OPTIONS

September 5, 2023

DS-23-089

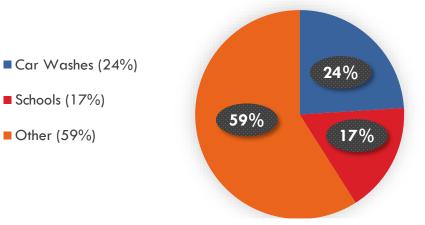
#### Background

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- City Council has requested that staff perform an analysis of the number of car washes throughout the city, along with the average water consumption.
- □ Staff compiled information for eleven (11) car washes:
  - 7 Automatic Car Washes
  - 4 Wash Bay Facilities
- In the process of gathering data, it was determined that all seven (7) automatic car washes have the capability to recycle their water.



#### **Top Commercial Users**

- In addition, staff identified the top ten (10) water consumption commercial users.
  - Four (4) of which are automatic car washes and make up 24% of the highest commercial consumption users.

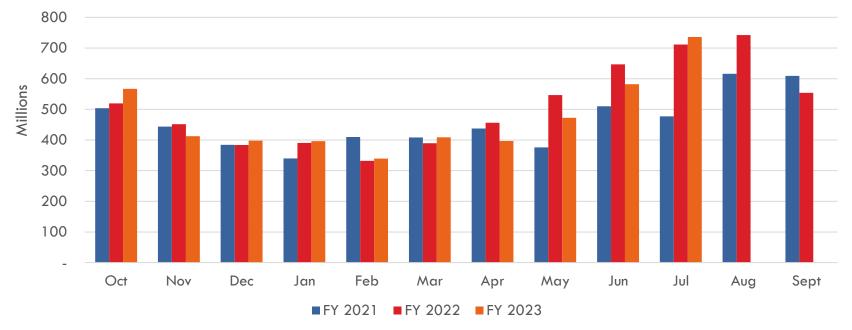


#### Top 10 Water Consumption

Company Name	Average Monthly Usage (Gallons)
Metroplex Hospital	235,120
MGC Pure Chemicals	193,820
KISD — Ellison High School	100,490
Lions Club Park	89,840
Today's Car Wash (Clear Creek Rd.)	66,890
Today's Car Wash (Stan Schlueter Lp.)	64,240
KISD – Shoemaker High School	62,130
WS Young Plaza	58,360
Today's Car Wash (Fort Hood St.)	54,810
Galaxies Car Wash	51,560

#### Water Consumption Trends

Water Consumption by Month



### Summary

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- Automated car washes in Killeen employs an average of fifteen (15) employees each.
- On average 300 vehicles are washed at each automated car wash location daily.
- □ Studies show that automated are:
  - Gentle on the paint
  - Saves time as the average car wash is five (5) minutes
  - Environmentally responsible as wastewater is recycled or treated prior to discharge
  - Uses between 35-75 gallons of water per wash

# Summary Cont.

- Studies show that handwashing cars at home is:
  - Time consuming
  - □ Uses between 80 150 gallons of water per wash
  - Not environmentally sound as it sends dirty water; contaminated by oil, gas, soap, and other cleaning chemicals directly back into the storm sewer system

# **Regulatory** Options

- Adopt amendments to the Drought Contingency Plan
- Adopt amendments to the International Plumbing Code that would require new car washes to use a water recycling system or other water-saving methods.
  - The next International Plumbing Code update is set for release in 2024. The City usually adopts within a year of release.
- Adopt a Vehicle Wash Facility Certification program that would require car washes to complete an annual inspection and would prohibit certain dumping of water from RO systems.

## **Regulatory Options Cont.**

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- Adopt an ordinance imposing a Moratorium of specific commercial development.
- □ To do so, City must issue:
  - written findings based on reasonably available information that the moratorium is justified by demonstrating that applying existing commercial development ordinances or regulations and other applicable laws is inadequate to prevent the new development from being detrimental to the public health, safety, or welfare of the residents of the municipality.

# **Regulatory Options Cont.**

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- Development approved prior to adoption of moratorium is unaffected by the moratorium.
- Instituting a moratorium requires certain public notices and public hearings.
- Moratorium expires after 90 days but can be extended for an additional 90 days
- Moratorium must have the goal of adopting some type of regulation that addresses the health and safety concern while allowing the use.