



# ADOPTION OF VEHICLE WASH FACILITY ANNUAL CERTIFICATION PROGRAM

PH-24-007

March 5, 2024

# Background

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- ❑ On September 5, 2023, staff presented City Council with review of car wash water usage and regulatory options.
- ❑ On November 14, 2023, a Motion of Direction was given to staff to prepare a Vehicle Wash Facility Certification program that would require car washes to complete an annual inspection as well as implement conservation-based measures and practices.
- ❑ The proposed Vehicle Wash Facility Annual Certification Program establishes standards to ensure best water use practices and facility certification requirements for new and certain existing Conveyor System, In-Bay Automatic System and Self-Service car washes.

# Vehicle Wash Facility Annual Certification Program (Ordinance Amendments)

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- Proposes amending the City Plumbing Code, Chapter 8 of City Code of Ordinances to:
  - ▣ Require the establishment of annual certification program for car washes
  - ▣ Add definitions for Conveyor system car washes, In-Bay Automatic system car washes, and Self-Service car washes.
  - ▣ Add water conservation system requirements for all new Conveyor and In-Bay Automatic system car washes and for existing Conveyor system and In-Bay Automatic system car washes equipped with a water recycling system.
  - ▣ Add per vehicle wash limits for new In-Bay Automatic and new Conveyor system car washes and require positive cutoff devices for new Self Service car washes
  - ▣ Add enforcement measures and compliance fines.

# Specific Ordinance Requirements

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## □ New Conveyor System Car Washes



- Must be equipped with and utilize a water recycling system that reuses a minimum of fifty (50) percent of water from previous vehicle rinses in subsequent washes.
- Shall not use more than thirty-five (35) gallons of water per vehicle.
- Shall ensure that no water leaks are present in the vehicle washing equipment.
- Existing Conveyor System Car Washes that are equipped with a water recycling system must use system and meet the above water reuse standard and ensure no water leaks.

# Specific Ordinance Requirements (cont'd)

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## □ New In-Bay Automatic System Car Washes



- Must be equipped with and utilize a water recycling system that reuses a minimum of fifty (50) percent of water from previous vehicle rinses in subsequent washes.
- Shall use no more than forty-five (45) gallons of water per vehicle.
- Shall ensure that no water leaks are present in the vehicle washing equipment.
- Existing In-Bay Automatic System Car Washes that are equipped with a water recycling system must use system and meet the above water reuse standard and ensure no water leaks.

# Specific Ordinance Requirements (cont'd)

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## □ New Self-Service Car Washes



- Shall utilize positive device spray wands with a flow rate of no more than three (3) gallons of water per minute.
- Shall ensure that no water leaks are present in the vehicle washing equipment.
- Existing Self Service car washes must ensure no water leaks present in vehicle washing equipment.

# Annual Certification Program Requirements

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- ❑ Will apply to all new Conveyor system, In-Bay Automatic system and Self-Service car washes.
- ❑ Will apply to existing Conveyor system and In-Bay Automatic system car washes that are equipped with water recycling systems.
- ❑ All existing and new vehicle wash facilities will continue to be subject to existing City pre-treatment, backflow prevention, and grit trap waste requirements.
- ❑ Requires completed Vehicle Wash Facility Certification Application that includes:
  - Facility Type and General Information
  - Certification Agreement: Agrees to abide by applicable conditions of the Vehicle Wash Certification Program and provides authorization for city staff to enter the premises during normal business hours for inspection when needed.

# Annual Certification Program Requirements (cont'd)

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- ❑ Vehicle Wash Facility Equipment Evaluation Form
  - ▣ Facility Type, Business Contact Information
  - ▣ Inspection Checklist completed and certified by a licensed plumbing inspector
- ❑ When necessary, a Compliance Plan will be completed and used to address needed repairs and/or upgrades as noted by the licensed plumbing inspector or by city staff within a specified timeframe. This will require:
  - ▣ A map of the property showing layout of vehicle wash equipment
  - ▣ Completed Vehicle Wash Facility Equipment Evaluation Form



# Annual Certification Program Requirements (Cont'd)

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## □ Car Wash Facility Responsibilities

- Use recycle systems as designed.
- Maintain records demonstrating the use of water recycling systems.
- Make facilities available for inspections when needed.

## □ City of Killeen Staff Responsibilities

- Provide program education and public awareness information.
- Implement annual certification program including ensuring program compliance.
- Verify completed evaluation form and track compliance plans.

# Annual Certification Program Requirements (Cont'd)

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## □ Car Wash Facility Responsibilities

- Hire a licensed plumbing inspector to evaluate and inspect wash equipment at least annually.
- Follow and implement water conservation methods and practices.
- Implement compliance plans.

## □ City of Killeen Staff Responsibilities

- Maintain program efforts and compliance records.
- Coordinate with Public Works staff regarding pre-treatment, backflow prevention compliance and grit-trap waste management.
- Monitor water consumption reports.
- Take enforcement actions when necessary.

# Comparison With Other City Programs

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## □ Vehicle Facility Wash Annual Certification Program Comparison

	<b>Austin</b>	<b>San Antonio</b>	<b>San Marcos</b>	<b>Killeen</b>
Water Recycling Systems	N/A	50%	50%	50%
Conveyor Systems	35 gpv	40 gpv	55 gpv	35 gpv
In-Bay Automatic Systems	45 gpv	40 gpv	55 gpv	45 gpv
Self-Service Car Wash	3.5 gpm	3 gpm	3 gpm	3 gpm
Water leaks prohibited	Yes	Yes	N/A	Yes
Enforcement Action	Annual Evaluations	Compliance Plan	Suspension	Fine(s)

# Staff Recommendation

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- Staff recommends that City Council adopt proposed amendments to Chapter 8 of City Code of Ordinances which allows for the establishment of water use standards and the implementation of a vehicle wash facility annual certification program.

# Board Recommendation

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- On February 15, 2024, staff presented to Construction Board of Appeals (CBOA) a draft ordinance amending Chapter 8 of City Code Ordinances to allow for the establishment of water use standards and the implementation of a vehicle wash facility annual certification program. However, the CBOA voted unanimously to recommend disapproval of this amendment.