



CITY OF FRISCO

Irrigation Rules & Requirements

Ordinance No. 08-12-103

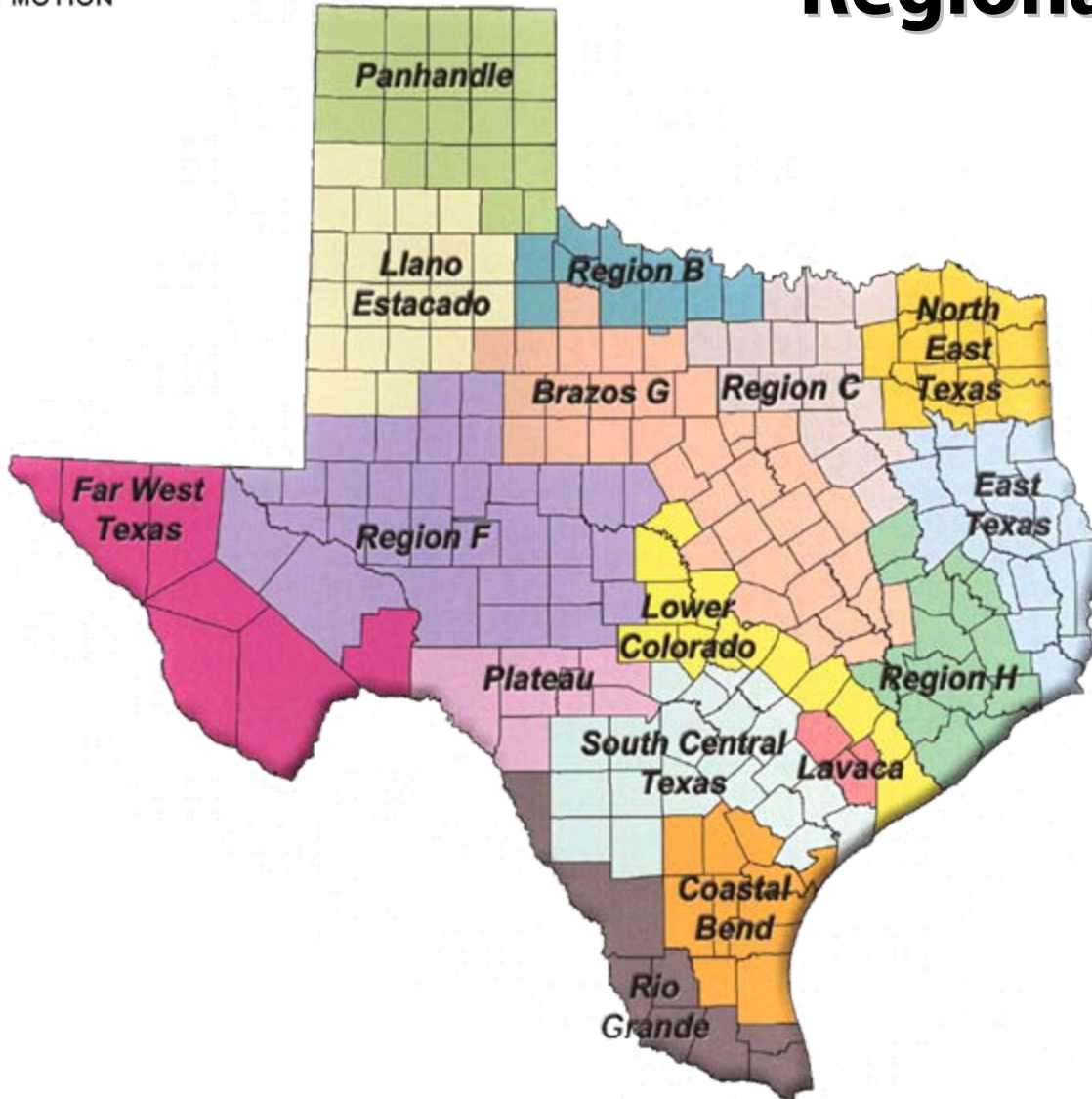
December 11, 2008



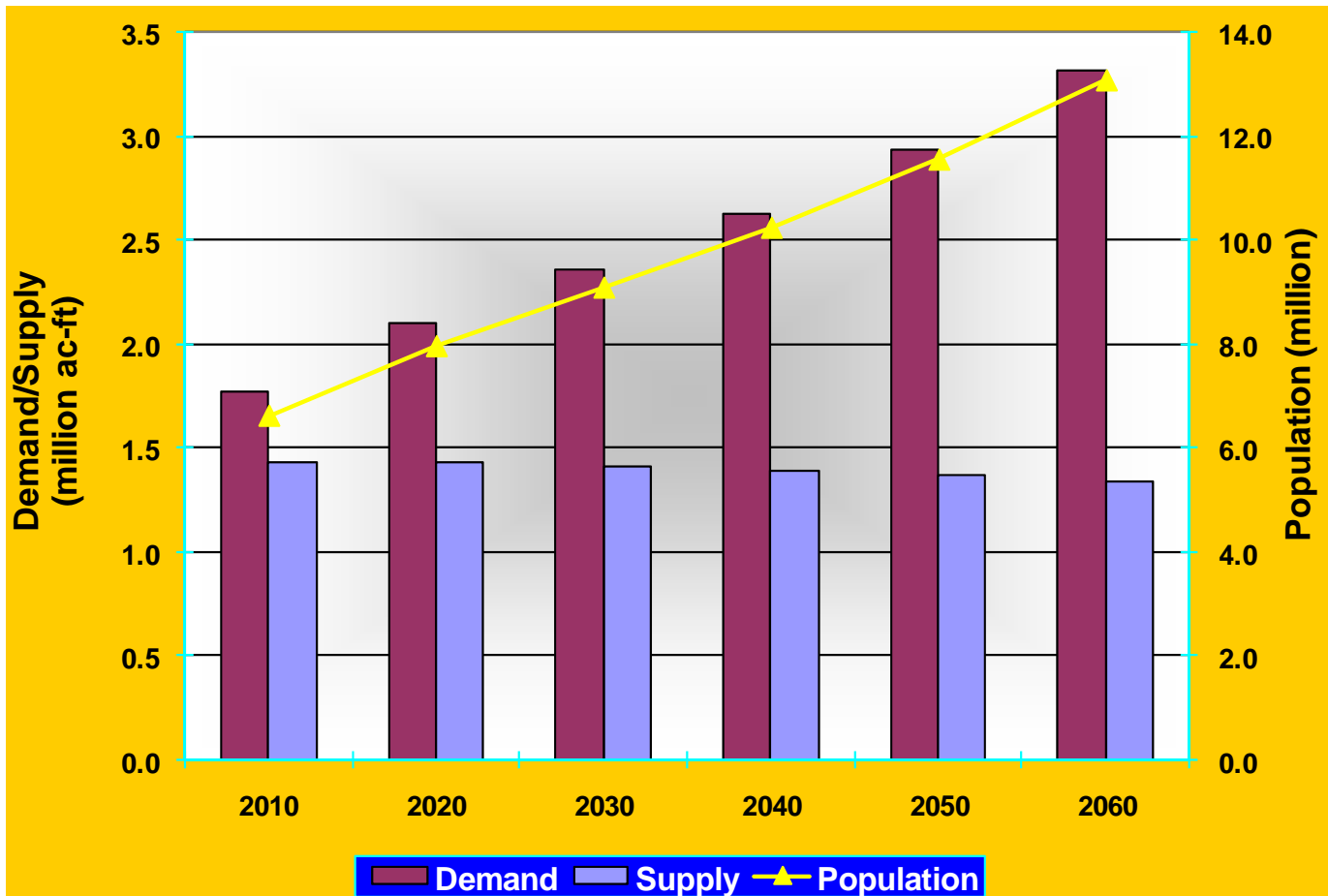
Summary of HB1656

- Adopted by 2007 Texas Legislature
- Effective Date of January 1, 2009
- Amended Chapter 401 Texas Local Government Code
- Required by Cities above 20,000 in population
- Chapter 344 of 30 TAC
- Article IV of Chapter 18, Division 12
- Permit required by the City of Frisco

Regional Planning Areas



Projected Water Supply/Demand and Population for Region C





Three Part Process

- **Plan Submittal**
- **Initial Inspection**
- **Final Walk-Through**



Plan Submittal

Part A

- Plan must be prepared and two copies submitted to the city for each site by a licensed irrigator.
- Copy of the irrigation plan must be on the job site at all times during the installation of the irrigation system.



Plan Submittal

Part B

- Irrigation plan must include complete coverage of the area to be irrigated.
- If a system does not provide complete coverage, it must be noted on the irrigation plan.

Plan Submittal

Part C

Irrigation plan must include:

- 1) Irrigator's seal, signature, signing date
- 2) Major physical features, boundaries of the areas to be watered
- 3) North arrow
- 4) Legend
- 5) Zone flow measurement for each zone
- 6) Location and type of
 - smart controller and sensor
- 7) Location, type, and size of each:
 - Backflow device, emission devices, valves, piping
- 8) Engineer's scale must be used
- 9) Design pressure
- 10) Total landscaped area



Initial Inspection

The City of Frisco will conduct initial inspection for:

- Piping
- Valves
- Emission devices
- And other irrigation system components prior to backfilling any part of the system



Final Walk-Through

Irrigator or irrigation technician who provided supervision for installation shall complete the following:

- Walk-Through
- Maintenance checklist
- Permanent Sticker
- As-build Irrigation Plan
- Copy of plans to residential new home builders



Final Walk-Through

Walk-Through:

- Visual inspection of all zones
- Review of:
 - All zones and emission devices
 - Programming and seasonal watering schedules
 - Location of smart controller and sensor
 - Water meter
 - Backflow preventer
 - Irrigation plan showing the installed system
 - Maintenance checklist



Final Walk-Through

Maintenance checklist:

- Obtain signature from system owner or representative
- Provide duplicate to Building Official or city representative
- Checklist must include:
 - Irrigator name, license, company name, telephone number, dates of warranty
 - Smart controller manufacturer's manual
 - Watering schedule based on Evapotranspiration data
 - List of all components- nozzles, pump filters
 - Required statement



Final Walk-Through

Permanent Sticker:

- Attached to smart (ET) controller
- Must include
 - Irrigator's Name
 - License Number
 - Company Name
 - Telephone Number
 - Warranty Periods



Final Walk-Through

As-build Irrigation Plan:

- Must provide the plan of the actual installation of the system to:
 - Irrigation system's owner or owner representative
 - Building Official or the official city representative



Final Walk-Through

New residential homes and builders:

- Provide copy of the actual irrigation plan and corresponding checklist must be placed within or attached to the smart (ET) controller



Fees

Fees include:

- Plan review and approval
- One inspection prior to back-filling
- One final walk-through inspection



Permit Fees

Residential Irrigation System

\$185.00

Non-Residential Irrigation System

- First controller \$250.00
- Second controller \$175.00 (additional)
- Total not to exceed \$500.00

Additional Inspections

- \$50.00 each
- payable prior to the issuance of final approval