

**WORK SESSION AGENDA OF THE CITY COUNCIL OF HURST, TEXAS
CITY HALL, 1505 PRECINCT LINE ROAD
FIRST FLOOR CONFERENCE ROOM
TUESDAY, APRIL 9, 2019 – 5:30 P.M.**

I. Call to Order

II. Informational Items

) Discussion and Legislative Update

) Discussion and Update of Neighborhood Revitalization Programs

III. Discussion of Agenda Item(s) 3

Proclamation recognizing Volunteer Appreciation Week, and presentation to Volunteers-in-Action Blue Jacket recipients

IV. Discussion of Agenda Item(s) 7

Consider Ordinance 2408, first reading, creating one way streets adjacent to certain schools in the City of Hurst

EXECUTIVE SESSION in Compliance with the Provisions of the Texas Open Meetings Law, Authorized by Tex. Government Code 551.072 and 551.087-deliberate the purchase, exchange or value of real property 701 Heritage Circle, Hurst, Texas 76053 and deliberation and conducting of economic development negotiations regarding financial information relative to business prospect the City seeks to have locate, stay or expand in the City and to deliberate the offer of a financial or other incentive to such business, and to reconvene in Open Session at the conclusion of the Executive Session

V. Adjournment

Posted by: _____

This the 5th day of April 2019, by 5:00 p.m., in accordance with Chapter 551, Texas Government Code.

This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's office at (817) 788-7041 or FAX (817) 788-7054, or call TDD 1-800-RELAY-TX (1-800-735-2989) for information or assistance.

**REGULAR MEETING AGENDA OF THE CITY COUNCIL OF HURST, TEXAS
CITY HALL, 1505 PRECINCT LINE ROAD
TUESDAY, APRIL 9, 2019**

AGENDA:

5:30 p.m. - Work Session (City Hall, First Floor Conference Room)

6:30 p.m. - City Council Meeting (City Hall, Council Chamber)

CALL TO ORDER

INVOCATION (Councilmember Jon McKenzie)

PLEDGE OF ALLEGIANCE

PRESENTATION(S)

1. Presentation of Flag flown at half-staff in honor of former Councilmember Charles Swaengren
2. Proclamation recognizing Child Abuse Prevention month
3. Proclamation recognizing Volunteer Appreciation Week, and presentation to Volunteers-in-Action Blue Jacket recipients

CONSENT AGENDA

4. Consider approval of the minutes for the March 26, 2019 City Council meetings
5. Consider Ordinance 2409, second reading, amending Section 26-49 Water Conservation Plan of the Code of Ordinances
6. Consider Ordinance 2410, second reading, amending Section 26-36 Drought Contingency Plan of the Code of Ordinances

ORDINANCE(S)

7. Consider Ordinance 2408, first reading, creating one way streets adjacent to certain schools in the City of Hurst

OTHER BUSINESS

8. Review of upcoming calendar items
9. City Council Reports - Items of Community Interest

PUBLIC INVITED TO BE HEARD – A REQUEST TO APPEAR CARD MUST BE COMPLETED AND RETURNED TO THE CITY SECRETARY TO BE RECOGNIZED

EXECUTIVE SESSION in Compliance with the Provisions of the Texas Open Meetings Law, Authorized by Tex. Government Code 551.072 and 551.087- deliberate the purchase, exchange or value of real property 701 Heritage Circle, Hurst, Texas 76053 and deliberation and conducting of economic development negotiations regarding financial information relative to business prospect the City seeks to have locate, stay or expand in the City and to deliberate the offer of a financial or other incentive to such business, and to reconvene in Open Session at the conclusion of the Executive Session

10. Take any and all action ensuing from Executive Session

ADJOURNMENT

Posted by: _____

This 5th day of April 2019, by 5:00 p.m., in accordance with Chapter 551, Texas Government Code.

Any item on this posted agenda could be discussed in executive session as long as it is within one of the permitted categories under sections 551.071 through 551.076 and section 561.087 of the Texas Government Code.

This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's office at (817) 788-7041 or FAX (817) 788-7054, or call TDD 1-800-RELAY-TX (1-800-735-2989) for information or assistance.

City Council Staff Report

SUBJECT: Presentation of City of Hurst flag flown in memory and honor of former Councilmember Charles Swearingen

Supporting Documents:

Meeting Date: 4/9/2019

Department: Judicial and Legislative

Reviewed by: Rita Frick

City Manager Review:

Background/Analysis:

Presentation of City of Hurst flag flown in memory and honor of former Councilmember Charles Swearingen.

Funding Sources and Community Sustainability:

There is no fiscal impact.

Recommendation:

There is no staff recommendation.

Office of the Mayor

Proclamation

City of Hurst

WHEREAS, children are our future and our greatest resource and every child deserves a nurturing family and safe environment to grow into a healthy, productive member of the community; and

WHEREAS, child abuse is one of our nation's most serious public health problems and threatens the safety of our community; and

WHEREAS, in Tarrant County, 5,842 children were confirmed as victims of child abuse or neglect in 2018; and

WHEREAS, Alliance For Children provided trauma-informed services to 2,510 children in 2018;

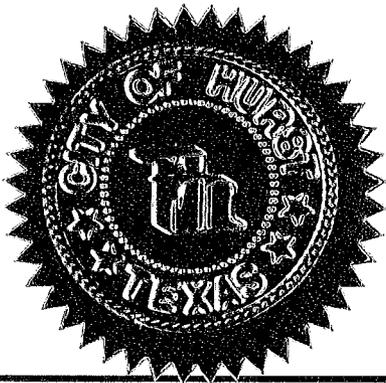
WHEREAS, finding solutions to prevent child abuse is a community responsibility and depends on the involvement of all citizens; and

WHEREAS, effective child abuse prevention, investigation and treatment programs succeed because of partnerships among public and private agencies, schools, religious organizations, medical services, and the business community.

Now, Therefore, I, Henry Wilson, Mayor of Hurst, Texas, on behalf of the entire City Council and all our citizens do hereby recognize the month of April 2019 as:

CHILD ABUSE PREVENTION MONTH

in the City of Hurst, Texas and urge all citizens to work together to help reduce child abuse and neglect significantly in the years to come.



WITNESS MY HAND AND THE OFFICAL SEAL of the City of Hurst, Texas, on this the 9th day of April 2019.

Henry Wilson

Henry Wilson, Mayor

City Council Staff Report

SUBJECT: 2019 Blue Jacket Ceremony

Supporting Documents:

List of Recipients
VIA Proclamation

Meeting Date: 4/9/2019

Department: Administration

Reviewed by: Malaika Marion Farmer

City Manager Review:

Background/Analysis:

The VIA (Volunteers in Action) Blue Jacket Ceremony is held every year in the spring in coordination with National Volunteer Appreciation Week. Volunteers who have reached the 200 hour mark are given a Blue Jacket with the VIA logo on it in recognition of their service. The Blue Jacket recipients are presented with the Blue Jacket by the City Council during the Council meeting. This year, 13 volunteers will be honored at the 2019 Blue Jacket Ceremony.

Funding Sources and Community Sustainability:

There is no fiscal impact. The VIA program provides an avenue for the City to provide increased Customer Service and at the same time be Fiscally Responsible.

Recommendation:

There is no staff recommendation.

2019 Blue Jacket Recipients

Mary Bowen

Chris Cotter

Kathy Dickson

Michael Fitzgerald

Joe Hargis

Steve Johnson

Sheila Kesling

Doug Leake

Fredia Luckey

Jim Peters

Horace Petty

Dave Thompson

Martha Viltela

Office of the Mayor

Proclamation

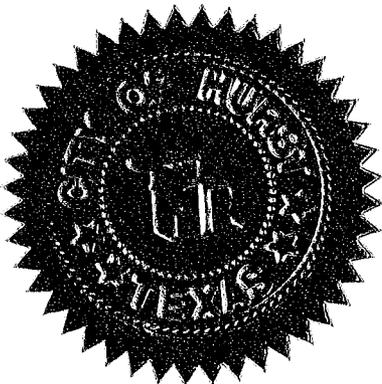
City of Hurst

- Whereas,** the City of Hurst's Volunteers In Action (VIA) Program is recognized as the first organized municipal volunteer program in the State of Texas and has received both state and national acclamations as a model volunteer program; and,
- Whereas,** through the VIA Program, the citizens of Hurst and surrounding areas have committed their time and energy to volunteer for the City of Hurst; and
- Whereas,** 2019 marks the 40th Anniversary of the Program; and
- Whereas,** through the VIA Program, volunteers have contributed nearly 630,000 volunteer hours totaling over \$9.8 million in services; and
- Whereas,** the overall success to the VIA Program is not measured exclusively in terms of dollars, but also by the obvious commitment of each volunteer to maintaining the "Quality of Life" in Hurst.

Now, Therefore, I, Henry Wilson, Mayor of Hurst, Texas, on behalf of the entire City Council and all our citizens do hereby proclaim April 7 – 13

Volunteers in Action Week

and express sincere appreciation to our volunteer workforce for dedicated service.



WITNESS MY HAND AND THE OFFICAL SEAL of the City of Hurst, Texas, on this the 9th day of April 2019.

Henry Wilson

Henry Wilson, Mayor

Minutes
Hurst City Council
Work Session
Tuesday, March 26, 2019

On the 26th day of March 2019, at 5:33 p.m., the City Council of the City of Hurst, Texas, convened in Work Session at City Hall, 1505 Precinct Line Road, Hurst, Texas, with the following members present:

Henry Wilson	)	Mayor
David Booe	)	Mayor Pro Tem
Bill McLendon	)	Councilmembers
Larry Kitchens)	
Jon McKenzie)	
Cathy Thompson)	
Cindy Shepard)	
Clay Caruthers	)	City Manager
Allan Heindel	)	Deputy City Manager
John Boyle	)	City Attorney
Rita Frick	)	City Secretary
Steve Bowden	)	Executive Director of Economic Development
Greg Dickens	)	Executive Director of Public Works
Clayton Fulton	)	Assistant City Manager
Malaika Marion Farmer	)	Assistant City Manager
Steven Niekamp	)	Police Chief
Jim Pell	)	Police Lieutenant
Michelle Lazo	)	Executive Director of Planning and Development

With the following Councilmembers absent: none, constituting a quorum, at which time, the following business was transacted:

I. Informational Items

City Manager Caruthers noted upcoming roof construction, equipment staging area and stated the project will take five to six months.

) **Discussion and Legislative Update** – City Manager Caruthers stated a letter was sent regarding the detrimental House Bill regulating building materials and noted another detrimental bill regarding right-of-way franchise fees. He stated he and Assistant City Manager Clayton Fulton will attend a conference where additional information will be available.

) **Discussion and Update of 6Stones CPR and Employee Giving Day** – City Manager Clay Caruthers noted the City started the Employee Giving Day Program over twenty years ago, and it expanded when 6Stones started the Community Powered Revitalization (CPR) Program. He noted the CPR Rally April 5 and 6, 2019 and that Mayor Pro Tem Booe volunteered to attend the rally, and other Councilmembers may want to attend.

- J) **Discussion and Update of the Animal Shelter** – City Manager Caruthers stated staff scheduled a meeting with the Humane Society to further discuss their partnership and level of participation. He stated he also requested Architect Ron Hobbs consider decreasing the square footage to have an alternative depending upon the Humane Society’s participation.

II. Discussion of Agenda Item(s) 4 and 5

Conduct a public hearing to consider Z-18-02 Hearthstone, a zoning change with a site plan from GB-PD to R1-PD for Lot 6 and a portion of Lot 5R, Block 2, Prestondale Estates, being 1.83 acres located at 741 Regency Drive.

Consider Ordinance 2411, first reading, Z-18-02 Hearthstone, a zoning change with a site plan from GB-PD to R1-PD for Lot 6 and a portion of Lot 5R, Block 2, Prestondale Estates, being 1.83 acres located at 741 Regency Drive.

Executive Director of Planning and Development Michelle Lazo briefed Council on Z-18-02 Hearthstone, a zoning change with a site plan from GB-PD to R1-PD for Lot 6 and a portion of Lot 5R, Block 2, Prestondale Estates, being 1.83 acres located at 741 Regency Drive, reviewing density and masonry amendments made by the developer after opposition from the neighbors. City Manager Caruthers noted current zoning provides that the applicant’s request must come before the Council for consideration, and that the owner is requesting the down zoning. Mr. Caruthers noted the Planning and Zoning Commission voted 6 – 0 to deny the original application, which was amended by the applicant, from 17 lots to 12 lots. Ms. Lazo reviewed current zoning and types of commercial business allowed. City Manager Caruthers noted the hooded left turn at Martin and Mid Cities was of concern by some residents, but that is not part of this zoning case. Staff noted the applicant came to staff with a cul-de-sac design, but was told it was not required. Ms. Lazo noted square footage, one and two story residences and a proposed Home Owners Association for maintenance of the entrance. Executive Director of Public Works Greg Dickens stated drainage will not be an issue. That the majority of water will drain to the street. Also reviewed were setback requirements, and that the applicant could have gone back to the Planning and Zoning Commission, but made amendments and came forward with the case.

III. Discussion of Agenda Item(s) 6

Consider Ordinance 2409, first reading, amending Section 26-49 Water Conservation Plan of the Code of Ordinances.

City Manager Caruthers noted this item is required to be updated every five years by the Texas Commission on Environmental Quality (TCEQ), reviewed the report noting the City has already met previous goals and is outperforming the plan. Executive Director of Public Works Greg Dickens noted the goals are not enforceable.

IV. Discussion of Agenda Item(s) 7

Consider Ordinance 2410, first reading, amending Section 26-36 Drought Contingency Plan of the Code of Ordinances.

Executive Director of Public Works Greg Dickens briefed Council on the required plan update.

V. Discussion of Agenda Item(s) 8

Consider Resolution 1730, revising the signatory authority of the TexPool’s list of authorized representatives

Assistant City Manager Clayton Fulton briefed Council on the necessity to amend signatory authority upon the retirement of Deputy City Manager Allan Heindel.

VI. Discussion of Agenda Item(s) 9

Consider authorizing the city manager to approve funding for the 44th Year Community Development Block Grant (CDBG) project Sheri Lane Paving, Water, and Sewer Improvements

City Manager Clay Caruthers noted this item would be discussed in the regular meeting, and was for the award of the 44th year Community Development Block Grant.

VII. Discussion of Agenda Item(s) 10

Consider authorizing the city manager to enter into a Purchase Agreement with WatchGuard to purchase in-car cameras and digital video recorders.

City Manager Clay Caruthers briefed Council noting this item is for the safety of the officers.

VIII. Adjournment – The meeting adjourned at 6:22 p.m.

APPROVED this the 9th day of April 2019.

ATTEST:

APPROVED:

Rita Frick, City Secretary

Henry Wilson, Mayor

**City Council Minutes
Tuesday, March 26, 2019**

On the 26th day of March 2019, at 6:30 p.m., the City Council of the City of Hurst, Texas, convened in Regular Meeting at City Hall, 1505 Precinct Line Road, Hurst, Texas, with the following members present:

David Booe	)	Mayor Pro Tem
Bill McLendon	)	Councilmembers
Larry Kitchens)	
Jon McKenzie)	
Cathy Thompson)	
Cindy Shepard)	
Clay Caruthers	)	City Manager
Allan Heindel	)	Deputy City Manager
John F. Boyle	)	City Attorney
Rita Frick	)	City Secretary
Clayton Fulton	)	Assistant City Manager
Malaika Marion Farmer	)	Assistant City Manager
Steven Niekamp	)	Police Chief
Greg Dickens	)	Executive Director of Public Works
Steve Bowden	)	Executive Director of Economic Development
Michelle Lazo	)	Executive Director of Planning and Community Development

With the following Councilmembers absent: Mayor Wilson, constituting a quorum; at which time, the following business was transacted:

The meeting was called to order at 6:30 p.m.

Mayor Pro Tem David Booe gave the Invocation.

The Pledge of Allegiance was given.

PRESENTATION(S)

1. Presentation and acceptance of Comprehensive Annual Financial Report (CAFR) by BKD CPAs & Advisors.

Assistant City Manager Clayton Fulton thanked Managing Director of Fiscal Services Paul Brown and his staff for their work through the auditing process, and noted the City's recent award of the Government Finance Officers Association's (GFOA) Certificate of Achievement for Excellence in Financial Reporting for Fiscal Year 2016-2017. The City has received the award for over 40 years. He introduced BKD Auditor David Coleman who reviewed the Comprehensive Annual Financial Report Year Ended September 30,

2018. Mr. Coleman stated the City is receiving a clean and unmodified opinion. He explained new accounting standards, GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions, resulted in an adjustment to beginning net position of 2018. He explained that this is nothing new for the City but is being restated per new accounting rules. Mr. Coleman noted the City created a trust fund several years ago, which can only be used for retiree healthcare, and actually lowers the City's liability. Mr. Coleman noted governmental funds exceed the established 90-day balance requirement and commended the City on balancing the budget. Also reviewed were proprietary funds and their operations and Texas Municipal Retirement System disclosures. Mr. Coleman stated transitioning to a new audit firm can be challenging, and he appreciated everyone who helped through the process.

Councilmember McKenzie moved to accept the Comprehensive Annual Financial Report. Motion seconded by Councilmember Thompson. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

CONSENT AGENDA

2. Considered approval of the minutes for the February 26 and March 2, 2019 City Council meetings.
3. Considered Ordinance 2407, second reading, allowing for the mobile fueling of Type IB liquids.

Councilmember Kitchens moved to approve the consent agenda. Motion seconded by Councilmember McLendon. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

PUBLIC HEARING(S) AND RELATED ITEMS(S)

4. Conducted a public hearing to consider Z-18-02 Hearthstone, a zoning change with a site plan from GB-PD to R1-PD for Lot 6 and a portion of Lot 5R, Block 2, Prestondale Estates, being 1.83 acres located at 741 Regency Drive.

Mayor Pro Tem David Booe announced a public hearing to consider Z-18-02 and recognized Executive Director of Planning and Development Michelle Lazo who reviewed the case noting the applicant, Bruce Strum with Acala Ventures applied for a zoning change with a site plan from GB-PD (General Business Planned Development) to R-1 PD (Single-Family Planned Development). She stated the original proposal presented to the Planning and Zoning Commission was denied. The applicant reduced the

number of lots from 17 to 12, changed from hardy plank to masonry, and increased the fence height from 6' to 8'. She stated the applicant is proposing two story homes on the west and one story on the east side of a dedicated public street connecting Regency Drive and Martin Drive. Ms. Lazo stated the residences will have two car garages and an active Home Owners Association. She reviewed the proposed landscaping and stated sidewalks will not be installed.

Mayor Pro Tem Booe recognized applicant Bruce Strum, Acala Ventures, 2161 Idlewood Drive, Grapevine, Texas, who reviewed the history of their family business, including construction of residential homes, remodeling projects, and the construction of the first EPA Energy Star Certified nursing home. Mr. Strum reviewed the current zoning GB-PD and the various commercial businesses that could be developed with the current designation. He stated the area should be a residential development based on a number factors, including the proximity to the established Prestondale Estates neighborhood. Mr. Strum reviewed traffic count data from the North Central Texas Council of Government, and steps taken to address resident concerns, including lowering the density from 17 to 12 lots, increasing the height of the fence and adding a one story home design. Mr. Strum reviewed the proposed project including square footage and design plans and reiterated that residential is the highest and best use of the property and is consistent with Hurst's needs and values.

Mayor Pro Tem Booe recognized the following individuals who expressed their support for the development noting the changes made to address resident's concern regarding density and traffic, the need for smaller homes, and that a residential development is better for the area than commercial.

Drew Donosky, Claymore Engineering, 1903 Central Drive, Suite 406; Janice Pekema, 401 W. Glade; Jackie Hamen, 6908 Post Oak, Prestondale Hills Estates, and Brian Lunsford, 2529 Northwood Drive.

Mayor Pro Tem Booe recognized the following individuals who expressed their opposition to the proposed development noting smaller square footage homes may decrease existing home values: traffic and safety concerns on Regency Drive and Precinct Line Road; lower density is not in keeping with character of area;, potential drainage issues; lack of a buffer; no backyards; and increased noise and light congestion.

Sherry Spinner, 704 Springwood Drive; Bill Krobe, 725 Springhill Drive; Matt Reed, 2704 Springbrooke Drive; L. Nichols, 2708 Springbrooke; Tony Zahn, 709 Regency Drive; Cheri Moore, 2708 Springbrooke; Amber Frandsen, 748 Regency Drive; Stacey Moore, 721 Regency Drive; Trudy Zahn, 709 Regency Drive; Charlotte McGrew, 744 Regency Drive; Gean Hyles, 732 Regency Drive; Cindy Sterling, 752 SpringValley; Angela Hardy, 663 Regency Drive;.

The following individuals did not speak, but expressed opposition through a speakers card:

Sandy Zimmerman, 740 Regency Drive; Debby Elayne Shipp, 736 Regency Drive; Allen Spinner, 704 Springwood Drive; Horace Hiles, 2713 Springbrooke Drive; Cheryl Hiles, 2713 Springbrooke Drive; Victoria Grobe, 425 Springhill Drive.

Mayor Pro Tem Booe closed the public hearing.

In response to Councilmembers' questions, Executive Director of Public Works Greg Dickens explained the plans submitted have 50% of drainage toward Martin and the remaining north, but will require platting. He did not anticipate an issue with the drainage going into the home at the end of the new street on Regency. Mr. Strum reviewed the footprint of the homes, noting the 2,000 square foot home could be larger, and stay within the footprint, which includes patios, driveways and garages. Executive Director of Planning and Development Michelle Lazo explained the discrepancies are a result of the staff report being written prior to the recent changes. City Manager Caruthers stated changes could be made prior to second reading. Mr. Dickens reiterated discussions regarding drainage and a possible hammerhead (cul-de-sac) and that either alternative could work, if all criteria is met including fire department approval. Mr. Strum stated there is a market for this type of home, and the fencing between the homes would be up to the homeowners. Ms. Lazo reviewed the types of commercial businesses that could be developed with the current zoning. Mr. Strum reviewed square footage, traffic study content, and stated he could develop commercial businesses on the property. Ms. Lazo stated the developer addressed the issues discussed at the Planning and Zoning Commission.

Councilmember Kitchens stated he still has concerns with the cut through street emptying onto Regency; drainage running into homes, he is in favor of a cul-de-sac, and did not have concerns regarding increased traffic. He stated he would like to see a more refined proposal. Councilmember Shepard questioned if they could look at a cul-de-sac and take it back to the Planning and Zoning Commission.

5. Considered Ordinance 2411, first reading, Z-18-02 Hearthstone, a zoning change with a site plan from GB-PD to R1-PD for Lot 6 and a portion of Lot 5R, Block 2, Prestondale Estates, being 1.83 acres located at 741 Regency Drive.

Councilmember Kitchens moved to deny recommendations for new site plan, Hearthstone, Z-18-02, perhaps remand back to the Planning and Zoning Commission for changes to address concerns of density, as well as traffic, particularly the cul-de-sac. Motion seconded by Councilmember Shepard. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

ORDINANCE(S)

6. Considered Ordinance 2409, first reading, amending Section 26-49 Water Conservation Plan of the Code of Ordinances.

Executive Director of Public Works Greg Dickens reviewed the proposed ordinance amending the water conservation plan, which was implemented in 1999 by the Texas Commission on Environmental Quality (TCEQ). He reviewed the City's conservation plan, noting the requirement to be compliant with the City of Fort Worth, our wholesale provider and stated the City has surpassed City established goals of water conservation.

Councilmember McKenzie moved to approve Ordinance 2409 amending Section 26-49 Water Conservation Plan of the Code of Ordinances. Motion seconded by Councilmember Thompson. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

7. Considered Ordinance 2410, first reading, amending Section 26-36 Drought Contingency Plan of the Code of Ordinances.

Executive Director of Public Works Greg Dickens stated this plan identifies the current drought stage the City is in and the management plans implemented during periods of water shortages or supply systems emergencies. As with the last item, this plan is also required to be updated every five years.

Councilmember Thompson moved to approve Ordinance 2410 amending Section 26-36 – drought Contingency Plan of the Code of Ordinances. Motion seconded by Councilmember Shepard. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

RESOLUTION(S)

8. Consider Resolution 1730, revising the signatory authority of the TexPool's list of authorized representatives

Managing Director of Finance Paul Brown reviewed necessary changes to the signatory authority of TexPool's list of authorized representatives.

Councilmember Shepard moved to approve Resolution 1730, which removes Allan Heindel and adds Clayton Fulton to TexPool's list of authorized representatives. Motion seconded by Councilmember Thompson. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

OTHER BUSINESS

9. Consider authorizing the city manager to approve funding for the 44th Year Community Development Block Grant (CDBG) project Sheri Lane Paving, Water, and Sewer Improvements

Executive Director of Public Works Greg Dickens reviewed the Community Development Block Grant (CDBG) Program requirements and stated Sheri Lane from Reed Street to Cavender Drive was previously approved by Council as the City's project for the 44th Year CDBG Program with Tarrant County. He explained the County bid and award process through the CDBG Program and of the three (3) bids received, McClendon Construction Co., Inc., submitted the lowest bid of \$451,510.50. He recommended a 10% contingency of \$45,000, not included in the bid amount. City Manager Caruthers noted approximately 37% of the total project is grant funded and clarified that the streets selected have to fall within the CDBG designated criteria map.

Councilmember McLendon moved to recommend Tarrant County award the contract for the 44th Year CDBG Sheri Lane Paving, Water, and Sewer Improvements Project to McClendon Construction Co. Inc., in the amount of \$451,510.50, with a 10% contingency of \$45,000, for a total of \$496,510.50, and authorize the city manager to approve funding for all project costs over the County grant amount of \$165,000. Motion seconded by Councilmember McKenzie. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

10. Considered authorizing the city manager to enter into a Purchase Agreement with WatchGuard to purchase in-car cameras and digital video recorders.

Police Chief Steven Niekamp reviewed the proposed purchase agreement noting the current in-car cameras and digital video records have reached their end-of-life and will no longer be warrantied by the manufacturer. He stated the request is for 25 WatchGuard in-car cameras and digital video records, which is the most cost effective method of purchasing. Chief Niekamp stated red light camera funds will be utilized to purchase the equipment.

Councilmember McKenzie moved to authorize the city manager to enter into a Purchase Agreement with WatchGuard for the purchase of in-car cameras and digital video recorders, for a total amount not exceed \$131,268.50. Motion seconded by Councilmember Thompson. Motion prevailed by the following vote:

Ayes: Councilmembers McLendon, Booe, Kitchens, McKenzie, Thompson, and Shepard
No: None

11. Council reviewed the following board, commission and committee meeting minutes:
 -) Library Board
 -) Parks and Recreation Board
 -) Senior Citizens Advisory Board

12. Review of upcoming calendar items – City Manager Caruthers reviewed the calendar items noted in the agenda packet. Deputy City Manager Heindel noted the April 13, 2019, 10:00 a.m. Smith-Barfield Park Dedication. Councilmember Thompson noted tickets are available to purchase for the HEB Teen Court Scholarship Gala, Thursday, April 11, 2019 at the Texas Star in Euless.

13. City Council Reports - Items of Community Interest – Councilmember Kitchens provided a brief report on the recent National League of Cities (NLC) Conference and Information Technology Committee meetings, noting many of the items dealt with local control. He noted the recent Federal Communications Commission’s (FCC) decision to allow the use of municipal right-of-way and proposing to reduce the cable franchise fee and benefits. He also noted the need to rewrite the communication act. Another item noted was that Centennial Colorado is completely wiring the city with fiber and considering a broadband infrastructure. Councilmember Kitchens also stressed the importance for cities to participate in the 2020 Census. City Manager Caruthers noted staff had reached out to the City’s Attorney regarding amendments to the telecommunication ordinance and that staff also has a meeting scheduled with the Census Bureau next week.

City Manager Caruthers noted the upcoming retirement event for Deputy City Manager Allan Heindel, April 2, and that tonight is Allan’s last official Council meeting. He stated he wanted to publicly state how much he appreciates Allan’s dedication and years of service and that his support and knowledge has been invaluable. He stated Allan has been a wonderful ambassador for the City. Allan stated it has been a real pleasure working for the Council and City Manager. Mayor Pro Tem Booe noted the 28 years he had worked with Allan, and that he will be missed.

PUBLIC INVITED TO BE HEARD – A REQUEST TO APPEAR CARD MUST BE COMPLETED AND RETURNED TO THE CITY SECRETARY TO BE RECOGNIZED

ADJOURNMENT

The meeting adjourned at 9:19 p.m.

APPROVED this the 9th day of April 2019.

ATTEST:

APPROVED:

Rita Frick, City Secretary

Henry Wilson, Mayor

City Council Staff Report

SUBJECT: Consider approval of an Ordinance 2409, second reading, amending Section 26-49.-Water Conservation Plan of the Code of Ordinances

Supporting Documents:

Ordinance 2409

Meeting Date: 4/9/2019

Department: Public Works

Reviewed by: Greg Dickens

City Manager Review:

Background/Analysis:

In 2004, the Texas Commission on Environmental Quality (TCEQ) adopted provisions to Title 30, Texas Administrative Code Chapter 288, requiring retail public water suppliers, providing water services to 3,300 or more connections, to submit revised Water Conservation Plans that include specific, quantified targets for water use reductions to be achieved during periods of water shortages and drought. In the same provision, all public water suppliers are required to review and update their plans every five years. The last update was August 2014. The current five-year update is due May 1, 2019 to the TCEQ offices.

Funding Sources and Community Sustainability:

Sufficient funding is available in the Public Works budget to fund any requirement of the plan.

Conserving potable water is directly representative of the Council's goal of Financial Sustainability and Public Safety.

Recommendation:

Staff recommends City Council approve Ordinance 2409 second reading, amending Section 26-49 Water Conservation Plan of the Code of Ordinances.

ORDINANCE 2409

AN ORDINANCE AMENDING THE CITY OF HURST CODE OF ORDINANCES, CHAPTER 26 –UTILITIES, ARTICLE II. - WATER AND SANITARY SEWERS, DIVISION 2. – WATER GENERALLY, BY DELETING SECTION 26-49.-WATER CONSERVATION PLAN, IN ITS ENTIRETY AND ADOPTING A NEW SECTION 26-49. – WATER CONSERVATION PLAN; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE

WHEREAS, the City Council finds that conservation of water and the protection of water supplies are in the best interest of its citizens; and

WHEREAS, the City is required every 5th year to update and amend the water conservation plan by the Texas Commission on Environmental Quality (TCEQ) and the Texas Water Development Board. This update is due to be submitted by May 1, 2019, in accordance with Title 30 of the Texas Administration Code, Chapter 288; and

WHEREAS, staff recommends the City Council adopt the amended water conservation plan referenced in Section 26-49 of the City Code; and

WHEREAS, the Water Conservation Plan proposes a goal of reducing the rolling five year average water consumption to a level of 132 gallons per capita per day by 2024 and 127 gallons per capita per day by 2029; and

WHEREAS, the City has determined an urgent need in the best interest of the public to adopt a new Water Conservation Plan; and

WHEREAS, pursuant to Chapter 54 of the Local Government Code, the City is authorized to adopt such Ordinances necessary to preserve and conserve its water resources; and

WHEREAS, securing future water supplies will require proving to state permitting agencies that existing water supplies are being used efficiently.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HURST, TEXAS:

Section 1. THAT the statements contained in the preamble to this Ordinance are hereby adopted as findings of fact and as a part of the operative provisions hereof.

Section 2. THAT the City of Hurst Code of Ordinances Chapter 26 is hereby amended by deleting Section 26-49 and adding a new Section 26-49 to read as follows:

“Sec. 26-49. Water conservation plan

The City of Hurst hereby adopts the Water Conservation Plan attached as Exhibit “A” to Ordinance 2409.”

Section 5. THAT all ordinances or any parts thereof in conflict with the terms of this ordinance shall be and hereby are deemed repealed and of no force or effect.

Section 7. THAT if any section, subsection, sentence, clause or phrase of this ordinance shall for any reason be held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 8. THAT this ordinance will take effect immediately from and after its passage.

AND IT IS SO ORDERED.

Passed on the first reading on the 26th day of March 2019, by a vote of 6 to 0.

Passed on the second reading on the _____ day of _____ 2019, by a vote of ____ to ____

ATTEST:

CITY OF HURST

Rita Frick, City Secretary

Henry Wilson, Mayor

Approved as to form and legality:

City Attorney

City of Hurst
1505 Precinct Line Road
Hurst, Texas 76054
PWS # 2200054
www.hursttx.gov

Water Conservation Plan

for Retail Water Customers

April 9, 2019

TABLE OF CONTENTS

1.0 INTRODUCTION AND OBJECTIVE.....3

2.0 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES.....4

2.1 TCEQ RULES GOVERNING CONSERVATION PLANS.....4

2.2 GUIDANCE & METHODOLOGY FOR REPORTING..... 5

3.0 DESCRIPTION OF SERVICE AREA.....5

3.1 UTILITY PROFILE.....5

4.0 SPECIFICATION OF WATER CONSERVATION GOALS.....7

5.0 METERING, WATER USE RECORDS, CONTROL OF UNACCOUNTED
WATER, AND LEAK DETECTION AND REPAIR.....8

5.1 MONITORING AND RECORD MANAGEMENT PROGRAM FOR
DETERMINING DELIVERIES.....8

5.2 METER CALIBRATION AND REPLACEMENT.....9

5.3 LEAK DETECTION, REPAIR AND WATER LOSS ACCOUNTING.....9

6.0 PUBLIC EDUCATION AND INFORMATION.....10

6.1 WATER RATE STRUCTURE.....10

6.2 RESERVOIR SYSTEM OPERATION.....11

6.3 IMPLEMENTATION AND ENFORCEMENT.....11

6.4 COORDINATION WITH REGIONAL WATER PLANNING GROUPS.....11

7.0 ADDITIONAL CONSERVATION EFFORTS.....12

7.1 WATER-CONSERVING PLUMBING FIXTURES.....12

8.0 ADOPTION OF WATER CONSERVATION PLAN; PERIODIC

REVIEW AND UPDATE OF PLAN13

8.1 COORDINATION WITH FORT WORTH AND REGULATORY AGENCIES.....13

LIST OF TABLES

Table 3-1: 2019 City of Hurst Water System Delivery Capacity.....6
 Table 4-1: Previous Plan GPCD Goals (2014).....7
 Table 4-2: GPCD Goals (2019).....8
 Table 5-1: Meter Size Distribution.....8
 Table 5-2: Previous Plan Water Loss Goals (2014).....9
 Table 5-3: Water Loss Goals (2019).....10
 Table 6-1: Rate Structure.....10
 Table 6-2: Monthly Meter Charges.....11
 Table 7-1: Twice Per Week Watering Schedule.....13

LIST OF TABLES

Figure 3-1: City of Hurst Water Service Area.....6

APPENDICIES

APPENDIX A List of References
APPENDIX B Texas Commission on Environmental Rules on Water Conservation Plans for Municipal and Wholesale Water Providers

- Texas Administrative Code Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.1 – Definitions (Page B-1)
- Texas Administrative Code Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.2 – Water Conservation Plans for Municipal Uses by Public Water Suppliers (Page B-5)

APPENDIX C City of Hurst Utility Profile Based on TCEQ Format
APPENDIX D Letters to Region C Water Planning Group
APPENDIX E Adoption of the Water Conservation Plan
APPENDIX F Tarrant Regional Water District (TRWD) Water Conservation and Drought Contingency Plan

1.0 INTRODUCTION AND OBJECTIVE

Recognizing the need for efficient use of existing water supplies, the Texas Commission on Environmental Quality (TCEQ) has developed guidelines and requirements governing the development of water conservation plans. The City of Hurst has developed this water conservation plan in accordance with TCEQ guidelines and requirements. To develop a regional approach, Tarrant Regional Water District's Water Conservation and Drought Contingency Plan were included. This plan replaces the previous plan dated June 2014. The City of Hurst also recognizes that in order to achieve its goals of maximizing water conservation and efficiency, it is necessary to develop and implement a water conservation plan that meets compliance with TCEQ guidelines and requirements.

This document outlines the City of Hurst Water Conservation Plan, and the Emergency Water Demand Management Drought Contingency Plan. The Emergency Water Demand Management Drought Contingency Plan provides procedures for voluntary and mandatory actions to be implemented to temporarily reduce the demand placed upon the City's water supply system during a water shortage emergency. Emergency Water Demand Management procedures include conservation, but may also include prohibition of certain uses. Both programs are tools that the City of Hurst will have available to operate effectively in all situations.

The objective of this Water Conservation Plan is to reduce the per capita consumption of water, a finite resource. Many communities throughout the United States have used conservation measures to successfully cope with various water and wastewater problems. Reductions in water use of as much as 25 percent have been achieved, but the normal range is from 5 to 15 percent. As a result of reduced water use, wastewater flows have also been reduced by 5 to 10 percent. It is anticipated that continued implementation of this Plan would result in a reduction in per capita water consumption. The City of Hurst goal is to reduce per capita water consumption by 1 percent each year with an ultimate goal of 127 gallons per capita per day by 2029.

2.0 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES

2.1 TCEQ RULES GOVERNING CONSERVATION PLANS

The TCEQ rules governing development of water conservation plans for public water supplies are contained in Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.2 of the Texas Administrative Code, which is included in Appendix B. For the purpose of these rules, a water conservation plan is defined as “A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water.” The elements in the TCEQ water conservation rules covered in this conservation plan are listed below.

Minimum Conservation Plan Requirements

The minimum requirements in the Texas Administrative Code for Water Conservation Plans for Public Water Suppliers are covered in this report below.

- 288.2(a)(1)(A) – Utility Profiles – Section 3.0 and Appendix C
- 288.2(a)(1)(B) – Record Management System – Section 5.2
- 288.2(a)(1)(C) – Specific, Quantified Goals – Section 4.0
- 288.2(a)(1)(D) – Accurate Metering – Section 5.2
- 288.2(a)(1)(E) – Universal Metering – Section 5.2
- 288.2(a)(1)(F) – Determination and Control of Water Loss – Section 5.2 and 5.3
- 288.2(a)(1)(G) – Public Education and Information Program – Section 6.1
- 288.2(a)(1)(H) – Non-Promotional Water Rate Structure – Section 6.2
- 288.2(a)(1)(I) – Means of Implementation and Enforcement – Section 6.4
- 288.2(a)(1)(J) – Coordination with Regional Water Planning Groups – Section 6.6 & App D
- 288.2(c) – Review and Update of Plan – Section 8.0

Conservation Additional Requirements (Population over 5,000)

The Texas Administrative Code includes additional requirements for water conservation plans for drinking water supplies serving a population over 5,000:

- 288.2(a)(2)(A) – Leak Detection, Repair, and Water Loss Accounting – Section 5.3

Additional Conservation Strategies

The Texas Administrative Code lists additional conservation strategies, which may be adopted by suppliers but are not required. Additional strategies adopted by the City of Hurst include the following:

288.2(a)(3)(A) – Consideration for Landscape Water Management Regulations – Section 7.3

2.2 GUIDANCE AND METHODOLOGY FOR REPORTING ON WATER CONSERVATION AND WATER USE

In addition to TCEQ rules regarding water conservation, this plan also incorporates elements of the Guidance and Methodology for Reporting on Water Conservation and Water Use Developed by TWDB and TCEQ, in consultation with the Water Conservation Advisory Council (the “Guidance”). The Guidance was developed in response to a charge by the 82nd Texas Legislature to develop water use and calculation methodology and guidance for preparation of water use reports and water conservation plans in accordance with TCEQ rules. The City of Hurst has considered elements of this guidance in preparation of this plan.

3.0 DESCRIPTION OF SERVICE AREA AND UTILITY PROFILE

As of January 2019 the City of Hurst provides retail water and sewer service to approximately 39,051 residents. The City’s service area is the total area within the city limits of Hurst, which is approximately 10 square miles.

3.1 UTILITY PROFILE

The City of Hurst as shown in Figure 3-1 has a current population of 39,051. The water supply is distributed through approximately 204 miles of water mains, ranging from 4” to 30” in diameter. The supply to the City is divided into two pressure planes, South and North. The dividing line is predominately at Hwy.183 with the North plane extending South into neighborhoods on each side of Precinct Line Road down to Pipeline Road.

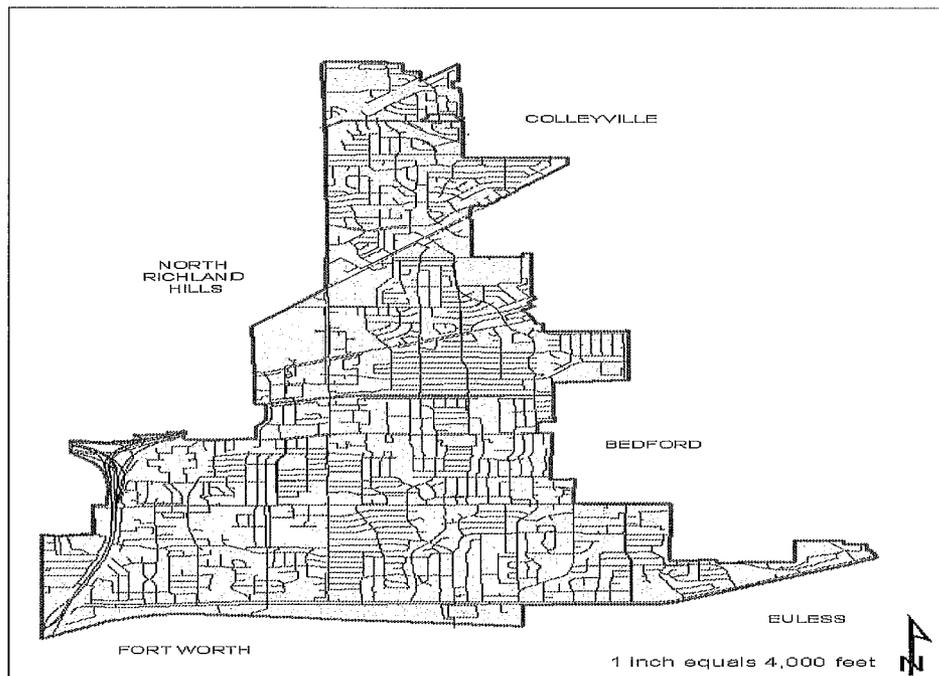
The South Pressure Plane is supplied by purchase water from the City of Fort Worth through Metered Vault # 2 located at 405 W. Hurst Blvd. along with five water wells. All supplies are stabilized by one (1.0 mg) elevated water tank (Valentine tank). The total designed delivery capacity in the South Plain is 7 million gallons per day (mg/d) and the reliable delivery capacity is 6 million gallons per day (mg/d).

The North Pressure Plane is supplied by water purchased from the City of Fort Worth through Metered Vault # 1 located at 951 W. Hurst Blvd. in conjunction with one water well. Both water supplies flow into three ground storage tanks at Pump Station # 5 located at 2400 Norwood and is pumped into two elevated water tanks, Tarrant County College or (TCC) and North Precinct or (NP). Total designed delivery capacity in the North Plane is 8 million gallons per day (mg/d) and the reliable delivery capacity is 7.5 million gallons per day (mg/d.). The combined reliable capacity is 13.5 million gallons per day (mg/d) as shown in Table 3-1 below:

Table 3-1: 2019 City of Hurst Water System Delivery Capacity

Water Supply	Design Capacity(mgd)	Reliable Delivery Capacity (mgd)
Hurst South Pressure Plane	7.0	6.0
Hurst North Pressure Plane	8.0	7.5
Total	15	13.5

Figure 3-1



4.0 SPECIFICATION OF WATER CONSERVATION GOALS

TCEQ rules require the adoption of specific water conservation goals for a water conservation plan. The goals for the water conservation plan include the following.

- Maintain the 5-year moving average total per capita water use below specified amount in the Table 4-1.
- Maintain the level of water loss in the system below the specified amount in Table 5-3.
- Increase efficient water usage and decrease waste in lawn irrigation by enforcement of landscape water management regulations as described in Section 7.3.

In the previous (2014) plan, total per capita use goals were 152 GPCD by 2019 and 147 GPCD by 2024 as outlined in Table 4.1 below. As of 2019, the City of Hurst’s five year average per capita use is 130 GPCD. This illustrates achieved conservation savings significantly ahead of the 2019 goal and surpassing that of the 2024 goal.

Table 4-1: PREVIOUS PLAN GPCD GOALS (2014)

Description	Units	2014	2019	2024
Total GPCD	GPCD	157	152	147
Residential GPCD	GPCD	111	106	101

A. Total GPCD = (Total Gallons in System / Permanent Population) / 365

B. Residential GPCD = (Gallons Used for Residential Use / Residential Population) / 365

Therefore, the 2024 and 2029 goals have been revised to reflect increased conservation as a result of measures including this plan. The City of Hurst has developed goals based on the recommendations of the Texas Water Conservation Implementation Task Force, which suggests a 1% reduction in gallons per capita per day per year. The current specific goals are outlined in Table 4-2. These goals were developed using the City of Hurst current five year average per capita, and therefore some (dry) years will see higher per capita usage than these five year average goals. A series of dry years may lead to an average exceeding the goal.

Table 4-2: GPCD GOALS (2019)

Description	Units	2019	2024	2029
Total GPCD	GPCD	137	132	127
Residential GPCD	GPCD	101	96	91

C. Total GPCD = (Total Gallons in System / Permanent Population) / 365

D. Residential GPCD = (Gallons Used for Residential Use / Residential Population) / 365

5.0 METERING, WATER USE RECORDS, CONTROL OF UNACCOUNTED WATER, AND LEAK DETECTION AND REPAIR

One of the key elements in water conservation is careful tracking of water use and control of losses. Programs for universal metering, meter testing, meter repair, and periodic meter replacement have been developed using the American Water Works Association (AWWA) standards and are important elements in the City of Hurst’s program to control losses.

5.1 MONITORING AND RECORD MANAGEMENT PROGRAM FOR DETERMINING DELIVERIES

The City of Hurst has an effective record management system in place. The record management system allows for the separation of water sales and use into Residential Single and Multi-Family, commercial, institutional and industrial categories. This information is included in the TCEQ required Water Conservation Implementation Report.

The City of Hurst meters all of the connections in the Distribution System. Meters range in size from ¾” to 16”. The meter size distribution is included in Table 5-1 below. All meters met AWWA accuracy standards when installed. As of December 31, 2018, there were a total of 12,393 active retail meters in the City. **Table 5-1: METER SIZE DISTRIBUTION**

Meter Size	Total Number
5/8” x .75”	9,820
1”	1,931
1.5”	292
2”	260
3”	46
4”	32
6”	9
8”	1
16”	2

5.2 METER CALIBRATION AND REPLACEMENT

The City of Hurst currently has an implemented program for meter replacement based on each meter and transponder at least every ten (10) years. In addition to age replacement, the City of Hurst by an annual contract performs accuracy testing on approximately 125 commercial meters, 2” and larger. Meters found outside compliance with the AWWA standard are repaired or replaced. Meters reading unusually high or low, erratically or not reading any flow are investigated in a similar way each billing cycle. Accuracy testing and the repair or replacement helps the City of Hurst monitor and reduce unaccounted for water. In addition, all City owned facilities are metered to insure accuracy when comparing wholesale purchases vs. water distributed and sold.

5.3 LEAK DETECTION, REPAIR AND WATER LOSS ACCOUNTING

The system water audit is used annually to monitor the total level of non-revenue water. There are many variables which influence the revenue and non-revenue components of the City’s water system including meter inaccuracy, data discrepancies, unauthorized consumption, reported breaks and leaks and unreported losses.

The City of Hurst uses Water Loss expressed in GPCD as its preferred water loss metric as it is less variable than other metrics to climate conditions. In the previous years, water loss (GPCD) was variable but progress was made from the previous year as seen in Table 5.2.

Table 5-2: PREVIOUS WATER LOSS GPCD

Description	Units	2016	2017	2018
Water Loss	GPCD	4	14	8

The Texas Water Development Board has also asked that cities begin to include their water loss in gallons per capita day and as a percentage of the total water use in the system as seen in Table 5-3. These are additional performance indicators that can be used to determine the effectiveness of the water. The City will continue to reduce water losses throughout the system by analyzing and updating the targets and goals of this section annually in conjunction with the water audit.

Table 5-3: WATER LOSS GOALS (2019)

Description	Units	2019	2024	2029
Total GPCD	GPCD	6	5	4
Water Loss Percentage	%	3.95%	3.40%	3%
Water Loss Per Connection	Gallons/connection per day	14.06	13.92	13.79
Real Losses	ILI	1.20	1.03	0.90

- A. Total GPCD = (Total Gallons in System / Permanent Population) / 365
- B. Residential GPCD = (Gallons Used for Residential Use / Residential Population) / 365
- C. Water Loss GPCD = (Total Water Loss / Permanent Population) / 365
- D. Water Loss Percentage = (Total Water Loss / Total Gallons in System) x 100; or (Water Loss GPCD / Total GPCD) x 100

The Infrastructure Leakage Index (ILI) is a calculation of the theoretical lowest leakage possible divided by existing calculated leakage. The ILI was developed as a unique value for every city and includes variables such as the distance from the curb stop to the meter boxes, the pressure in the system, and the number of service lines or connections per mile of main.

The City of Hurst has an ILI of approximately 1.20, which means that theoretically the leakage could be reduced 1.20 times before reaching the lowest possible value. This puts the City of Hurst below the average zone of ILIs within the United States. The City will continue to reduce leaks in the system through thorough monitoring and attempt to target and locate all suspected leaks. Its leak detection program includes continuously monitoring almost 1,077,120 linear feet of pipe annually. In addition, the City will continue to encourage customers and field operators to report visual leakage.

6.0 PUBLIC EDUCATION AND INFORMATION

The City of Hurst currently provides water conservation tips through the City’s monthly ‘Where We Live’ newsletter distributed within customer water bills as well as on the City’s web page, social media and through information provided at the initiation of service.

The City of Hurst also provides Notification to schools districts, home owners associations and social groups that the Water Utility Staff is available to make presentations on the importance of water conservation and ways to save water. The City of Hurst will continue to work closely in the future with wholesale water providers and other regional agencies to develop cost-effective public education programs.

6.1 WATER RATE STRUCTURE

As of October 1, 2018, the City of Hurst continues to utilize a flat rate structure for all classes as shown in Table 6-1 below:

Table 6-1: Rate Structure (FY18-19)

Water Rates	\$17.52 First 2,000 gallons, \$7.04 per 1,000 gallons after.
-------------	--

As indicated in Table 6-1, this is a basic non-promotional rate plan and does not encourage excessive water use with reduced rates. The City of Hurst will continue consideration of various rate plans to insure cost-effectiveness and compliance with State regulations.

In addition, the City of Hurst charges a monthly meter charge to commercial accounts as is shown in Table 6-2 below:

Table 6-2: MONTHLY METER CHARGES

Meter Size	Service Charge
1" and Smaller	\$2.00
1.5" and Larger	\$9.00

6.2 RESERVOIR SYSTEM OPERATIONS

This requirement is not applicable to the City of Hurst.

6.3 IMPLEMENTATION AND ENFORCEMENT

The City of Hurst completes the TCEQ required Water Conservation Plan and Utility Profile annually as required. These reports include various water conservation strategies that have been implemented, including the date of implementation. Additionally, reports include progress made on the five and ten year per capita water use goals from this plan.

The City of Hurst has existing ordinances in place that prohibit the wasting of water such as year round no watering restrictions between the hours of 10am to 6pm, rain and freeze sensors and the disallowance of water to fall upon impervious surfaces. In 2014, the City of Hurst approved an Ordinance regulating the design and installation of new irrigation systems and approved an

City of Hurst, Texas
Ordinance Amendment in June of 2014 that established mandatory, year round 2 day per week watering restrictions.

The City of Hurst Drought Contingency/Emergency Water Management Plan that was approved by Council in 2014 was designed to match the City of Fort Worth's Plan that provides for escalated enforcement for each drought stage.

6.4 COORDINATION WITH REGIONAL WATER PLANNING GROUPS

As a wholesale customer of Fort Worth the City of Hurst participates in each entity's short term and long term planning. In addition, the City of Hurst consistently participates in Texas Water Development Board (TWDB) and Regional Water Planning Group (Region C) inquiries and reporting. In addition, a copy of the City of Hurst Water Conservation Plan has been submitted to the Wholesale provider.

7.0 ADDITIONAL CONSERVATION EFFORTS

7.1 WATER-CONSERVING PLUMBING FIXTURES

The City of Hurst complies with the U.S. Energy Policy Act of 1992 (Public Law 102-846, 106 Stat. 2776, 102D Congress, Oct. 24, 1992) which includes requirements for maximum water use allowed for toilets, urinals, showerheads and faucets.

The City of Hurst currently adheres to the 2009 International Plumbing Code (IPC) Section 604.4, Max Flow and Water Consumption and adopts table 604.4 which lists Water Closet Max Flow Rate at 1.6 gallons per flush cycle. The City routinely inspects new construction, remodeling, additions, etc., through building permits to ensure installation of fixtures adheres to the current codes and ordinances in place.

7.2 LANDSCAPE WATER MANAGEMENT

The City of Hurst in conjunction with the City of Fort Worth have amended the ordinance to reflect the mandatory, year round twice per week watering schedule effective June 24, 2014 similar to Stage 1 of its drought plan. The schedule is included in Table 7-1 seen below:

Table 7-1: TWICE PER WEEK WATERING SCHEDULE

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
No outdoor watering	Non-residential	Residential addresses ending in (0,2,4,6,8)	Residential addresses ending in (1,3,5,7,9)	Non-Residential	Residential addresses ending in (0,2,4,6,8)	Residential addresses ending in (1,3,5,7,9)

In addition, the Irrigation Installation Ordinance adopted in January 2009 requires that only licensed irrigators alter existing or install new irrigation systems within the City of Hurst and require all existing commercial systems to retrofit rain and freeze sensors. The City of Hurst will continue to actively promote the use of native vegetation for landscaping for both public and private areas consistent with the Texas Smartscape Program.

8.0 ADOPTION OF WATER CONSERVATION PLAN; PERIODIC REVIEW AND UPDATE OF PLAN

TCEQ requires that water conservation plans be reviewed and updated every five years to coincide with the regional water planning process. This Water Conservation Plan will be updated as required by TCEQ and, in addition, will be continually reassessed for opportunities to improve water efficiency and conservation based on new or updated information.

8.1 COORDINATION WITH THE CITY OF FORT WORTH AND REGULATORY AGENCIES

Appendix D is a copy of the letters sent to the chair persons of the Region C Water Planning Group, City of Fort Worth Water Department, Tarrant Regional Water District and the Texas Commission on Environmental Quality. Appendix E is a copy of Ordinance No. 2409 amending Chapter 26 by adopting a new Water Conservation Plan.

APPENDIX A
LIST OF REFERENCES

APPENDIX B
TEXAS COMMISSION OF ENVIRONMENTAL QUALITY RULES ON MUNICIPAL
WATER CONSERVATION PLANS

APPENDIX B

**TEXAS COMMISSION OF ENVIRONMENTAL QUALITY RULES ON MUNICIPAL
WATER CONSERVATION PLANS**

<u>TITLE 30</u>	ENVIRONMENTAL QUALITY
<u>PART 1</u>	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
<u>CHAPTER 288</u>	WATER CONSERVATION PLANS, DROUGHT CONTINGENCY PLANS, GUIDELINES AND REQUIREMENTS
<u>SUBCHAPTER A</u>	WATER CONSERVATION PLANS
RULE *288.1	Definitions

The following words and terms, when used in this chapter, shall have the following meanings, unless the context clearly indicates otherwise.

(1) Agricultural or Agriculture—Any of the following activities:

- A. Cultivating the soil to produce crops for human food, animal feed, or planting seed or for the production of fibers.
- B. The practice of floriculture, viticulture, silviculture and horticulture, including the cultivation of plants in containers or non-soil media by a nursery grower;
- C. Raising, feeding, or keeping animals for breeding purposes or for the production of food and fiber, leather, pelts, or other tangible products having a commercial value;
- D. Raising or keeping equine animals;
- E. Wildlife management; and
- F. Planting cover crops, including cover crops cultivated for transplantation, or leaving land idle for the purpose of participating in any governmental program or normal crop or livestock rotation procedure.

(2) Agricultural use—Any use or activity involving agriculture, including irrigation.

- (3) Best management practices—Voluntary efficiency measures that save a quantifiable amount of water, either directly or indirectly, and that can be implemented within a specific time frame.
- (4) Conservation—Those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water, or increase the recycling and reuse of water so that a water supply is made available for future or alternative uses.
- (5) Commercial use—The use of water by a place of business, such as a hotel, restaurant, or office building. This does not include multi-family residence or agricultural, industrial, or institutional users.
- (6) Drought contingency plan—A strategy or combination of strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies. A drought contingency plan may be a separate document identified as such or may be contained within another water management document(s).
- (7) Industrial use—The use of water in processes designed to convert materials of a lower order of value into forms having greater usability and commercial value, and the development of power by means other than hydroelectric, but does not include agricultural use.
- (8) Institutional use—The use of water by an establishment dedicated to public service, such as a school, university, church, hospital, nursing home, prison or government facility. All facilities dedicated to public service are considered institutional regardless of ownership.
- (9) Irrigation—The agricultural use of water for the irrigation of crops, trees, and pastureland, including, but not limited to, golf courses and parks which do not receive water from a public water supply.
- (10) Irrigation water use efficiency—The percentage of that amount of irrigation water which is beneficially used by agriculture crops or other vegetation relative to the amount of water diverted from the source(s) of supply. Beneficial uses of water for irrigation purposes include, but are not limited to, evapotranspiration needs for vegetative maintenance and growth, salinity management, and leaching requirements associated with irrigation.
- (11) Mining use—The use of water for mining processes including hydraulic use, drilling, washing sand and gravel, and oil field re-pressuring.
- (12) Municipal use—The use of potable water provided by a public water supplier as well as the use of sewage effluent for residential, commercial, industrial, agricultural, institutional and wholesale users.

- (13) Nursery grower—A person engaged in the practice of floriculture, viticulture, silviculture, and horticulture, including the cultivation of plants in containers or nonsoil media, who grows more than 50% of the products that the person either sells or leases, regardless of the variety sold, leased, or grown. For purpose of this definition, grow means the actual cultivation or propagation of the product beyond the mere holding or maintaining of the item prior to the sale or lease, and typically includes activities associated with the production or multiplying of stock such as the development of new plants from cuttings, grafts, plugs, or seeding.
- (14) Pollution—The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property, or to the public health, safety or welfare, or impairs the usefulness of the public enjoyment of the water for any lawful or reasonable purpose.
- (15) Public water supplier—An individual or entity that supplies water to the public for human consumption.
- (16) Residential use—The use of water that is billed to single and multi-family residence, which applies to indoor and outdoor use.
- (17) Residential gallons per capita day—The total gallons sold for residential use by a public water supplier divided by the residential population served and then divided by the number of days in the year.
- (18) Regional water planning group—A group established by the Texas Water Development Board to prepare a regional water plan under Texas Water Code, 16.053.
- (19) Retail public water supply—An individual or entity the for compensation supplies water to the public for human consumption. The term does not include an individual or entity that supplies water to it or its employees or tenants when the water is not resold to or used by others.
- (20) Reuse—The authorized use for one or more beneficial purposes of use of water that remains unconsumed after the water is used for the original purpose of use and before water is either disposed of or discharged or otherwise allowed to flow into a watercourse, lake or other body of state –owned water.
- (21) Total use—The volume of raw or potable water provided by a public water supplier to billed customer sectors or nonrevenue uses and the volume lost during conveyance, treatment, or transmission of that water.

- (22) Total gallons per capita day (GPCD)—The total amount of water diverted and/or pumped for potable use divided by the total permanent population divided by the days of the year. Diversion volumes of reuse as defined in this chapter shall be credited against total diversion volumes for the purpose of calculating GPCD for targets and goals.
- (23) Water conservation plan—A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for reducing loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water. A water conservation plan may be a separate document identified as such or may be contained within another water management document(s).
- (24) Wholesale public water supplier—An individual or entity that for the compensation supplies water to another for resale to the public for human consumption. The term does not include an individual or entity that supplies water to itself or its employees or tenants as an incident of that employees service or tenancy when that water is not resold to or used by others, or an individual or entity that conveys water to another individual or entity, but does not own the right to the water which is conveyed, whether or not for a delivery fee.
- (25) Wholesale use—Water sold from one entity or public water supplier to other retail water purveyors for resale to individual customers.

Source Note: The provisions of this 288.1 adopted to be effective May 3, 1993, 18 TexReg 2558; amended to be effective February 21, 1999, 24 TexReg 949; amended to be effective April 27, 2000, 25 TexReg 3544; amended to be effective August 15, 2002, 27 TexReg 7146; amended to be effective October 7, 2004, 29 TexReg 9384; amended to be effective January 10, 2008, 33 TexReg 193; amended to be effective December 6, 2012, 37 TexReg 9515.

TITLE 30 ENVIRONMENTAL QUALITY

PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHAPTER 288 WATER CONSERVATION PLANS, DROUGHT CONTINGENCY PLANS,
GUIDELINES AND REQUIREMENTS

SUBCHAPTER A WATER CONSERVATION PLANS

RULE *288.2 **Water Conservation Plans for Municipal Uses by Public Water Suppliers**

(a) A water conservation plan for municipal water use by public water suppliers must provide information in response to the following. If the plan does not provide information for each requirement, the public water supplier shall include in the plan an explanation of why the requirement is not applicable.

1. Minimum requirements. All water conservation plans for municipal uses by public water suppliers must include the following elements:

A. A utility profile in accordance with the Texas Water Use Methodology, including, but not limited to, information regarding population and customer data, water use data (including total gallons per capita day (GPCD) and residential GPCD), water supply system data, and wastewater system data.

B. A record management system which allows for the classification of water sales and uses into the most detailed level of water use data currently available to it, including, if possible, the sectors listed in clauses (i) – (vi) of this subparagraph. Any new billing system purchased by a public water supplier must be capable of reporting detailed water use data as described in clauses (i) – (vi) of this subparagraph:

- (i) Residential;
- (I) Single family;
- (II) Multi-family;
- (ii) Commercial;
- (iii) Institutional;
- (iv) Industrial;
- (v) Agricultural; and,

- (vi) Wholesale.
 - C. Specific, quantified five-year and ten-year targets for water savings to include goals for water loss programs and goals for municipal use in total GPCD and residential GPCD. The goals established by a public water supplier under this subparagraph are not enforceable;
 - D. Metering device(s), within and accuracy of plus or minus 5.0% in order to measure and account for the amount of water diverted from the source of supply;
 - E. A program for universal metering of both customer and public uses of water, for meter testing and repair, and for periodic meter replacement;
 - F. Measures to determine and control water loss (for example, periodic visual inspections along distribution lines; annual or monthly audit of the water system to determine illegal connections; abandon services; etc.);
 - G. A program of continuing education and information regarding water conservation;
 - H. A water rate structure which is not “promotional,” i.e., a rate structure which is cost-based and which does not encourage the excessive use of water;
 - I. A reservoir operations plan, if applicable, providing for the coordinated operation of reservoirs owned by the applicant within a common watershed or river basin in order to optimize available water supplies; and
 - J. A means of implementation and enforcement which shall be evidenced by:
 - (i) A copy of the ordinance, resolution, or tariff indicating official adoption of the water conservation plan by the water supplier; and
 - (ii) A description of the authority by which the water supplier will implement and enforce the conservation plan; and
 - K. Documentation of coordination with the region water planning groups for the service are of the public water supplier in order to ensure consistency with the appropriate approved regional water plans.
2. Additional content requirements. Water conservation plans for municipal uses by public drinking water suppliers serving a current population of 5,000 or more and/or a projected population of 5,000 or more within the next ten years subsequent to the effective date of the plan must include the following elements:
- A. A program of leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system;

City of Hurst, Texas

- B. A requirement in every wholesale water supply contract entered into or renewed after official adoption of the plan (by either ordinance, resolution, or tariff), and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements in this chapter. If the customer intends to resell the water, the contract between the initial supplier and customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with the provisions of this chapter.
3. Additional conservation strategies. Any combination of the following strategies shall be selected by the water supplier, in addition to the minimum requirements in paragraphs (1) and (2) of this subsection, if they are necessary to achieve the stated water conservation goals of the plan. The commission may require that any of the following strategies be implemented by the water supplier if the commission determines that the strategy necessary to achieve the goals of the water conservation plan:
 - A. Conservation-orientated water rates and water rate structures such as uniform increasing block rate schedules, and/or seasonal rates, but not flat rate or decreasing block rates;
 - B. Adoption of ordinances, plumbing codes, and/or rules requiring water-conserving plumbing fixtures to be installed in new structures and existing structures undergoing substantial modification or addition;
 - C. A program for the replacement or retrofit of water-conserving plumbing fixture in existing structures;
 - D. Reuse and/or recycling of wastewater and/or graywater;
 - E. A program for pressure control and/or reduction in the distribution system and/or for customer connections;
 - F. A program and/or ordinance(s) for landscape and water management;
 - G. A method for monitoring the effectiveness and efficiency of the water conservation plan; and,

- H. Any other water conservation practice, method, or technique which the water supplier shows to be appropriate for achieving the stated goal or goals of the water conservation plan. (b) A water conservation plan prepared in accordance with 31 TAC 363.15 (relating to Required Water Conservation Plan) of the Texas Water Development Board and substantially meeting the requirements of this section and other applicable commission rules may be submitted to meet application requirements in accordance with a memorandum of understanding between the commission and the Texas Water Development Board. (c) A public water supplier for municipal use shall review and update its water conservation plan, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information. The public water supplier for municipal use shall review and update the next revision of its water conservation plan every five years to coincide with the regional water planning group.

Source Note: The provisions of this 288.1 adopted to be effective May 3, 1993, 18 TexReg 2558; amended to be effective February 21, 1999, 24 TexReg 949; amended to be effective April 27, 2000, 25 TexReg 3544; amended to be effective August 15, 2002, 27 TexReg 7146; amended to be effective October 7, 2004, 29 TexReg 9384; amended to be effective January 10, 2008, 33 TexReg 193; amended to be effective December 6, 2012, 37 TexReg 9515.

APPENDIX C

CITY OF HURST UTILITY PROFILE BASED ON TCEQ FORMAT



Texas Commission on Environmental Quality

**UTILITY PROFILE AND WATER CONSERVATION PLAN
REQUIREMENTS FOR MUNICIPAL WATER USE
BY RETAIL PUBLIC WATER SUPPLIERS**

This form is provided to assist retail public water suppliers in water conservation plan development. If you need assistance in completing this form or in developing your plan, please contact the conservation staff of the Resource Protection Team in the Water Availability Division at (512) 239-4691.

Name: CITY OF HURST

Address: 2001 PRECINCT LINE ROAD

Telephone Number: (817) -7887206 Fax: (817) -5037276

Water Right No.(s): PWS # 2200054

Regional Water Planning Group: C

Form Completed by: MARK OVERCASH

Title: DIRECTOR OF UTILITIES

Person responsible for implementing conservation program: MARK OVERCASH Phone: (817) -7887206

Signature:  Date: 2/13/2019

NOTE: If the plan does not provide information for each requirement, include an explanation of why the requirement is not applicable.

UTILITY PROFILE

I. POPULATION AND CUSTOMER DATA

A. Population and Service Area Data

1. Attach a copy of your service-area map and, if applicable, a copy of your Certificate of Convenience and Necessity (CCN).
2. Service area size (in square miles): 10
(Please attach a copy of service-area map)
3. Current population of service area: 39,051
4. Current population served for:
 - a. Water 39,051
 - b. Wastewater 39,051

5. Population served for previous five years:

<i>Year</i>	<i>Population</i>
2018	39,051
2017	38,410
2016	37,337
2015	38,773
2014	38,488

6. Projected population for service area in the following decades:

<i>Year</i>	<i>Population</i>
2020	38,187
2030	39,637
2040	40,817
2050	41,997
2060	43,177

7. List source or method for the calculation of current and projected population size.
NCTCOG and REGION C

B. Customers Data

Senate Bill 181 requires that uniform consistent methodologies for calculating water use and conservation be developed and available to retail water providers and certain other water use sectors as a guide for preparation of water use reports, water conservation plans, and reports on water conservation efforts. A water system must provide the most detailed level of customer and water use data available to it, however, any new billing system purchased must be capable of reporting data for each of the sectors listed below. http://www.tceq.texas.gov/assets/public/permitting/watersupply/water_rights/sb181_guidance.pdf

1. Current number of active connections. Check whether multi-family service is counted as Residential or Commercial?

<i>Treated Water Users</i>	<i>Metered</i>	<i>Non-Metered</i>	Totals
Residential	0	0	0
Single-Family	11,124	0	11,124
Multi-Family	2,663	0	2,663
Commercial	2,598	0	2,598
Industrial/Mining	4	0	4
Institutional	320	0	320
Agriculture	0	0	0
Other/Wholesale	4	0	4

2. List the number of new connections per year for most recent three years.

<i>Year</i>	2018	2017	2016
<i>Treated Water Users</i>			
Residential	0	0	0
Single-Family	4	10	84
Multi-Family	0	0	290
Commercial	304	418	0
Industrial/Mining	0	0	0
Institutional	2	0	75
Agriculture	0	0	0
Other/Wholesale	0	0	0

3. List of annual water use for the five highest volume customers.

	<i>Customer</i>	<i>Use (1,000 gal/year)</i>	<i>Treated or Raw Water</i>
1.	City of Hurst	58,488,000	Treated
2.	Whispering Run Apts	19,407,000	Treated
3.	Tarrant Count College	10,367,000	Treated
4.	Wellesley Apartments	9,040,000	Treated
5.	DCP Brown	5,948,000	Treated

II. WATER USE DATA FOR SERVICE AREA

A. Water Accounting Data

1. List the amount of water use for the previous five years (in 1,000 gallons). Indicate whether this is diverted or treated water.

<u>Year</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
<i>Month</i>					
January	107,558	124,157	116,265	111,342	105,928
February	100,554	107,743	115,478	101,933	109,071
March	121,763	125,389	115,820	150,862	137,496
April	133,784	146,676	135,138	109,251	133,486
May	176,201	194,435	119,991	116,409	168,962
June	244,219	159,396	168,992	156,771	176,686
July	259,172	206,316	205,859	218,650	210,573
August	211,592	177,962	210,212	300,478	239,496
September	158,337	219,455	192,845	226,173	210,060
October	129,121	165,383	187,431	198,059	189,000
November	108,921	139,735	132,412	112,520	128,764
December	109,889	126,803	100,821	106,163	116,981
Totals	1,861,111	1,893,450	1,801,264	1,908,611	1,926,503

Describe how the above figures were determine (e.g, from a master meter located at the point of a diversion from the source, or located at a point where raw water enters the treatment plant, or from water sales).

These figures were derived by water sales.

2. Amount of water (in 1,000 gallons) delivered/sold as recorded by the following account types for the past five years.

<u>Year</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
<i>Account Types</i>					
Residential	0	0	0	0	0
Single-Family	1,030,093	1,027,312	1,024,978	1,034,912	1,107,358
Multi-Family	225,275	212,535	232,148	235,771	277,557
Commercial	363,971	297,806	350,820	363,535	339,004
Industrial/Mining	9,095	7,341	5,896	3,897	4,569
Institutional	100,165	134,725	129,043	122,440	137,438
Agriculture	0	0	0	0	0
Other/Wholesale	0	0	0	0	0

3. List the previous records for water loss for the past five years (the difference between water diverted or treated and water delivered or sold).

<i>Year</i>	<i>Amount (gallons)</i>	<i>Percent %</i>
2018	109,246,543	5.87%
2017	190,542,217	10.06%
2016	47,910,226	2.64%
2015	79,758,769	4.28%
2014	38,407,504	1.99%

B. Projected Water Demands

If applicable, attach or cite projected water supply demands from the applicable Regional Water Planning Group for the next ten years using information such as population trends, historical water use, and economic growth in the service area over the next ten years and any additional water supply requirements from such growth.

III. WATER SUPPLY SYSTEM DATA

A. Water Supply Sources

List all current water supply sources and the amounts authorized (in acre feet) with each.

<i>Water Type</i>	<i>Source</i>	<i>Amount Authorized</i>
Surface Water		
Groundwater	TRINITY	200,725,448
Contracts	FORT WORTH	4,428,016,417
Other		

B. Treatment and Distribution System

1. Design daily capacity of system (MGD): 28
2. Storage capacity (MGD):
 - a. Elevated 2.75
 - b. Ground 9.4
3. If surface water, do you recycle filter backwash to the head of the plant?

Yes No If yes, approximate amount (MGD):

IV. WASTEWATER SYSTEM DATA

A. Wastewater System Data (if applicable)

1. Design capacity of wastewater treatment plant(s) (MGD):

2. Treated effluent is used for on-site irrigation, off-site irrigation, for plant wash-down, and/or for chlorination/dechlorination.

If yes, approximate amount (in gallons per month):

3. Briefly describe the wastewater system(s) of the area serviced by the water utility. Describe how treated wastewater is disposed. Where applicable, identify treatment plant(s) with the TCEQ name and number, the operator, owner, and the receiving stream if wastewater is discharged.

B. Wastewater Data for Service Area (if applicable)

1. Percent of water service area served by wastewater system: _____ %

2. Monthly volume treated for previous five years (in 1,000 gallons):

<i>Year</i>	_____	_____	_____	_____	_____
<i>Month</i>	_____	_____	_____	_____	_____
January	_____	_____	_____	_____	_____
February	_____	_____	_____	_____	_____
March	_____	_____	_____	_____	_____
April	_____	_____	_____	_____	_____
May	_____	_____	_____	_____	_____
June	_____	_____	_____	_____	_____
July	_____	_____	_____	_____	_____
August	_____	_____	_____	_____	_____
September	_____	_____	_____	_____	_____
October	_____	_____	_____	_____	_____
November	_____	_____	_____	_____	_____
December	_____	_____	_____	_____	_____
Totals	_____	_____	_____	_____	_____

V. ADDITIONAL REQUIRED INFORMATION

In addition to the utility profile, please attach the following as required by Title 30, Texas Administrative Code, §288.2. Note: If the water conservation plan does not provide information for each requirement, an explanation must be included as to why the requirement is not applicable.

A. *Specific, Quantified 5 & 10-Year Targets*

The water conservation plan must include specific, quantified five-year and ten-year targets for water savings to include goals for water loss programs and goals for municipal use in gallons per capita per day. Note that the goals established by a public water supplier under this subparagraph are not enforceable

B. *Metering Devices*

The water conservation plan must include a statement about the water suppliers metering device(s), within an accuracy of plus or minus 5.0% in order to measure and account for the amount of water diverted from the source of supply.

C. *Universal Metering*

The water conservation plan must include and a program for universal metering of both customer and public uses of water, for meter testing and repair, and for periodic meter replacement.

D. *Unaccounted- For Water Use*

The water conservation plan must include measures to determine and control unaccounted-for uses of water (for example, periodic visual inspections along distribution lines; annual or monthly audit of the water system to determine illegal connections; abandoned services; etc.).

E. *Continuing Public Education & Information*

The water conservation plan must include a description of the program of continuing public education and information regarding water conservation by the water supplier.

F. *Non-Promotional Water Rate Structure*

The water supplier must have a water rate structure which is not "promotional," i.e., a rate structure which is cost-based and which does not encourage the excessive use of water. This rate structure must be listed in the water conservation plan.

G. *Reservoir Systems Operations Plan*

The water conservation plan must include a reservoir systems operations plan, if applicable, providing for the coordinated operation of reservoirs owned by the applicant within a common watershed or river basin. The reservoir systems operations plan shall include optimization of water supplies as one of the significant goals of the plan.

H. *Enforcement Procedure and Plan Adoption*

The water conservation plan must include a means for implementation and enforcement, which shall be evidenced by a copy of the ordinance, rule, resolution, or tariff, indicating official adoption of the water conservation plan by the water supplier; and a description of the authority by which the water supplier will implement and enforce the conservation plan.

I. Coordination with the Regional Water Planning Group(s)

The water conservation plan must include documentation of coordination with the regional water planning groups for the service area of the wholesale water supplier in order to ensure consistency with the appropriate approved regional water plans.

J. Plan Review and Update

A public water supplier for municipal use shall review and update its water conservation plan, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information. The public water supplier for municipal use shall review and update the next revision of its water conservation plan not later than May 1, 2009, and every five years after that date to coincide with the regional water planning group. The revised plan must also include an implementation report.

VI. ADDITIONAL REQUIREMENTS FOR LARGE SUPPLIERS

Required of suppliers serving population of 5,000 or more or a projected population of 5,000 or more within ten years

A. Leak Detection and Repair

The plan must include a description of the program of leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system in order to control unaccounted for uses of water.

B. Contract Requirements

A requirement in every wholesale water supply contract entered into or renewed after official adoption of the plan (by either ordinance, resolution, or tariff), and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements in this chapter. If the customer intends to resell the water, the contract between the initial supplier and customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with the provisions of this chapter.

VII. ADDITIONAL CONSERVATION STRATEGIES

A. Conservation Strategies

Any combination of the following strategies shall be selected by the water supplier, in addition to the minimum requirements of this chapter, if they are necessary in order to achieve the stated water conservation goals of the plan. The commission may require by commission order that any of the following strategies be implemented by the water supplier if the commission determines that the strategies are necessary in order for the conservation plan to be achieved:

1. Conservation-oriented water rates and water rate structures such as uniform or increasing block rate schedules, and/or seasonal rates, but not flat rate or decreasing block rates;

2. Adoption of ordinances, plumbing codes, and/or rules requiring water conserving plumbing fixtures to be installed in new structures and existing structures undergoing substantial modification or addition;
3. A program for the replacement or retrofit of water-conserving plumbing fixtures in existing structures;
4. A program for reuse and/or recycling of wastewater and/or graywater;
5. A program for pressure control and/or reduction in the distribution system and/or for customer connections;
6. A program and/or ordinance(s) for landscape water management;
7. A method for monitoring the effectiveness and efficiency of the water conservation plan; and
8. Any other water conservation practice, method, or technique which the water supplier shows to be appropriate for achieving the stated goal or goals of the water conservation plan.

Best Management Practices

The Texas Water Developmental Board's (TWDB) Report 362 is the Water Conservation Best Management Practices (BMP) guide. The BMP Guide is a voluntary list of management practices that water users may implement in addition to the required components of Title 30, Texas Administrative Code, Chapter 288. The Best Management Practices Guide broken out by sector, including Agriculture, Commercial, and Institutional, Industrial, Municipal and Wholesale along with any new or revised BMP's can be found at the following link on the Texas Water Developments Board's website: <http://www.twdb.state.tx.us/conservation/bmps/index.asp>

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact 512-239-3282.

APPENDIX D
LETTERS TO REGION C WATER PLANNING GROUP



Public Works Department

April 12, 2019

Melisa Fuller
Region C Water Planning Group
North Texas Municipal Water District
P.O. Box 2408
Wylie, Texas 75098

Dear Ms. Fuller,

Enclosed is a copy of the City of Hurst's amended Drought Contingency /Emergency Water Management Plan and the Water Conservation Plan. The Drought Contingency Plan and the Water Conservation Plan were both approved by our Council on April 9, 2019.

These plans are submitted to the Region C Planning Group in accordance with guidelines and requirements in Chapter 288 of Title 30, Texas Administrative Code for Water Conservation Plans and Drought Contingency Plans.

If you have any questions about these documents, please contact me at 817-788-7206 or movercash@hursttx.gov

Sincerely,

Mark Overcash
Director of Utilities

Cc: Greg Dickens P.E., Executive Director of Public Works
File



Public Works Department

April 12, 2019

Melisa Fuller
Region C Water Planning Group
North Texas Municipal Water District
P.O. Box 2408
Wylie, Texas 75098

Re: Customer Water Conservation Report, APPENDIX "F"
City of Hurst, PWS: TX2200054

Dear Ms. Fuller,

Enclosed is a copy of the City of Hurst's customer water conservation report Appendix "F".

If you have any questions about these documents, please contact me at 817-788-7206 or movercash@hursttx.gov

Sincerely,

Mark Overcash
Director of Utilities

Cc: Greg Dickens P.E., Executive Director of Public Works
File

APPENDIX E
ADOPTION OF WATER CONSERVATION PLAN

APPENDIX F
TARRANT REGIONAL WATER DISTRICT (TRWD)
WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN



Public Works Department

April 12, 2019

Mr. Mark Olson
Conservation & Creative Manager
Tarrant Regional Water District
800 E. Northside Drive
Fort Worth, Texas 76102-1097

Dear Mr. Olson,

Enclosed is a copy of the City of Hurst's amended Drought Contingency /Emergency Water Management Plan. The Drought Contingency Plan and the Water Conservation Plan were approved by our Council on April 9, 2019.

These plans are submitted to the District in accordance with guidelines and requirements in Chapter 288 of Title 30, Texas Administrative Code for Water Conservation Plans and Drought Contingency Plans.

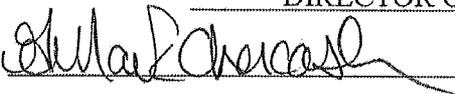
If you have any questions about these documents, please contact me at 817-788-7206 or movercash@hursttx.gov

Sincerely,

Mark Overcash
Director of Utilities

Cc: Greg Dickens P.E., Executive Director of Public Works
File

**APPENDIX F
Customer Water Conservation Report
Due May 1 of Every Year**

Name of Entity: CITY OF HURST
Address & Zip: 2001 PRECINCT LINE ROAD, HURST 76054
Telephone Number: 817-788-7206 Fax: 817-503-7276
Form Completed By: MARK OVERCASH
Title: DIRECTOR OF UTILITIES
Signature:  Date: 02/14/2019
Name and Phone Number of Person/Department responsible for implementing a water conservation program: MARK OVERCASH/817.788.7206

UTILITY PROFILE

I. POPULATION CUSTOMER DATA

A. Population and Service Area Data

1. Attach a copy of your service area map.
2. Service area size (square miles): 10
3. Current population of service area: 39,051
4. Current population served by utility:
 - a: water 39,051
 - b: wastewater 39,051

5. Population served by water utility service area for the previous five years:

Year	Population
2018	39,051
2017	38,410
2016	37,337
2015	38,773
2014	38,488

6. Projected population for in the following decades:

Year	Population
2020	38,067
2030	39,637
2040	39,638
2050	39,639
2060	39,640

7. List specific source(s)/method(s) for the calculation of current and projected population:

NCTCOG and Region C

B. Active Connections

1. Current number of active connections by user type. If not a separate classification, check whether multi-family service is counted as Residential X or Commercial .

Water User Type*	Metered	Un-metered	Total
Residential Single Family	11,124	0	11,124
Residential Multi-family	2,663	0	2,663
Commercial/Institutional	2,918	0	2,918
Industrial	4	0	4
Other	0	0	0

2. List the net number of new connections per year for most recent three years:

Water User Type*	2018	2017	2016
Residential Single Family	4	10	84
Residential Multi-family	0	0	290
Commercial/Institutional	306	418	75
Industrial	0	0	0
Other	0	0	0

C. High Volume Customers

List annual water use for the five highest volume customers (indicate if treated or raw water delivery). Provide date of most recent water use audit – if never audited, please indicate so.

	Customer	Annual Water Use (in gallons)	Treated / Raw Water	Date of Last Water Use Audit
(1)	CITY OF HURST	58,488,000	Treated	Not Audited
(2)	WHISPERING RUN APTS	19,407,000	Treated	Not Audited
(3)	TARRANT COUNTY COLLEGE	10,367,000	Treated	Not Audited
(4)	WELLESLEY PARK APTS	9,040,000	Treated	Not Audited
(5)	DCP BROWN	5,948,000	Treated	Not Audited

II. WATER USE DATA FOR SERVICE AREA

A. Water Accounting Data

1. Amount of water use for previous five years (in 1,000 gal.):

Please indicate: Raw Water _____
 Treated Water 9,390,942

Total Diverted and Treated Water Deliveries and Sales by Month					
Month	Year				
	2018	2017	2016	2015	2014
January	107,558	124,157	116,265	111,342	105,929
February	100,554	107,743	115,478	101,933	109,072
March	121,763	125,389	115,820	150,862	137,497
April	133,784	146,676	135,138	109,251	133,486
May	176,201	194,435	119,991	116,409	168,962
June	244,219	159,396	168,992	156,771	176,686
July	259,172	206,316	205,859	218,650	210,573
August	211,592	177,962	210,212	300,478	239,496
September	158,337	219,455	192,845	226,173	210,060
October	129,121	165,383	187,431	198,059	189,000
November	108,921	139,735	132,412	112,520	128,764
December	109,889	126,803	100,821	106,163	116,981
Total	1,861,111	1,893,450	1,801,264	1,908,611	1,926,506

Indicate how the above figures were determined (e.g., from a master meter located at the point of a diversion from the source or located at a point where raw water enters the treatment plant).

Two Master Meters for purchase from the City of Fort Worth and water sales from our metered system.

2. Amount of water delivered (sold) as recorded by the following account types for the past five years.

Year	Account Type						Total Sold
	Residential Single Family	Residential Multi-Family	Commercial/Institutional	Industrial	Other	Wholesale	
2018	1,030,093,000	225,275,000	464,136,000	9,095,000	0	0	1,728,599,000
2017	1,027,312,000	232,535,000	432,531,000	7,341,000	0	0	1,699,719,000
2016	1,024,978,000	232,148,000	479,863,000	5,896,000	0	0	1,742,885,000
2015	1,034,912,000	235,771,000	485,975,000	3,987,000	0	0	1,760,645,000
2014	1,107,358,000	277,557,000	476,442,700	4,569,000	0	0	1,865,926,700

Residential Single Family: Single family + duplexes
 Residential Multi-Family: Apartment complexes
 Commercial/Institutional: Retail, offices, hospitals, schools, etc.
 Industrial: Manufacturing + heavy industry
 Wholesale: Water sold to another utility for resale to public
 Other: Uses not included in above categories.
 Please note:

3. GPCD and seasonal water use for previous five years.

Year	Population	Total Water Use	Total gallons per capita per day (GPCD)*	Residential GPCD**	Seasonal Water Use***	
					Winter per capita per day	Summer per capita per day
2018	39,051	1,861,109,360	130.57	88.07	90.48	203.43
2017	38,410	1,893,449,410	135.09	89.86	103.76	157.27
2016	37,773	1,742,885,000	126.55	91.28	97.93	172.28
2015	38,733	1,760,645,000	124.54	89.88	91.64	193.89
2014	38,488	1,865,926,700	132.82	98.58	95.84	180.94
Five Year Average	38,491	1,824,803,104	129.91	91.53	95.93	181.56

TRWD Water Conservation and Drought Contingency Plan

- * Total use in gallons per capita per day is calculated by dividing water diverted or pumped for treatment by population served and then dividing by 365. Does not include water provided to wholesale customers.
- ** Residential GPCD is calculated by dividing total single family plus multi-family residential water sales by population served and then dividing by 365.
- *** Seasonal water use is the difference between winter daily per capita use and summer daily per capita use. To calculate winter daily per capita use, add monthly diversions for December, January, and February, and divide by 90. Then divide this figure by population. To calculate summer daily per capita use, use the months of June, July, and August.

4. Water loss data for previous five years. (the difference between water diverted (or treated) and water delivered (or sold). The goal for percent of unaccounted for water is 12%.

Year	Water Loss expressed in gallons	Water Loss expressed in GPCD	Water Loss expressed as a percentage
2018	109,246,543	7.66	5.87% Loss
2017	190,542,217	13.59	10.06% Loss
2016	47,910,226	3.47	2.75% Loss
2015	79,758,769	5.64	4.53% Loss
2014	62,513,000	4.66	3.35% Loss
Five Year Average	97,994,151	6.96	5.31% Loss

5. Peak Day Use (in gallons) to Average Daily Use (in gallons) Ratio for the previous five years. Peak-day to average-day ratio is calculated by dividing the maximum daily pumpage by the average daily pumpage. Average daily pumpage is the total pumpage volume for the year divided by 365.

Year	Average Daily Use	Peak Day	Use Ratio
2018	5,098,930	8,507,000	1.67
2017	5,187,533	7,764,000	1.50
2016	4,934,969	8,236,000	1.67
2015	5,105,777	10,645,000	2.08
2014	5,283,396	8,905,000	1.69
Five Year Average	5,122,121	8,811,400	1.72

6. List previous five years records for water reuse. Reuse is the authorized use for one or more beneficial purposes of use of water that remains unconsumed after the water is used for the original purpose of use and before that water is either disposed of or discharged or otherwise allowed to flow into a watercourse, lake or other body of state-owned water.

Year	Reuse Amount in gallons	Reuse expressed as a percentage of total water diverted or treated
2018	0	0%
2017	0	0%
2016	0	0%
2015	0	0%
2014	0	0%

B. Projected Water Demands

Estimate water supply requirements for the next ten years using population trends, historical water use, and economic growth, etc.

Year	Population	Water Demand (in gallons)
2020	38,187	1,895,602,680
2021	38,305	1,887,478,875
2022	38,423	1,879,268,930
2023	38,541	1,870,972,845
2024	38,659	1,862,590,620
2025	38,777	1,854,122,255
2026	38,895	1,845,567,750
2027	39,013	1,836,927,105
2028	39,131	1,828,200,320
2029	39,249	1,819,387,395

Indicate sources of data and how projected water demands were determined.

NCTCOG 2030 Demographic Forecast of Projected Population divided by 10 to estimate the annual growth for the in between years. GPCD is based on the City of Hurst current 5 yr averages of 130 from 2014-2018 adjusting use by 5.89% to compensate for drought or dry years to 137 and reducing by 1 each consecutive year. Population x 365 days per year x GPCD beginning with 136 in 2020 and completing with 127 in 2029 = Estimated Gallons.

City Council Staff Report

SUBJECT: Consider approval of Ordinance 2410, second reading, amending Section 26-36.-Drought Contingency Plan of the Code of Ordinances

Supporting Documents:

Ordinance 2410

Meeting Date: 4/9/2019

Department: Public Works

Reviewed by: Greg Dickens

City Manager Review:

Background/Analysis:

In August 1999, the City adopted a Drought Contingency/Emergency Water Management Plan as required by the state. The Texas Commission on Environmental Quality (TCEQ) then adopted rules requiring wholesale and retail water suppliers and irrigation districts to develop drought contingency/emergency water management plans that would be implemented during periods of water shortages or supply systems emergencies. This plan is to be updated every five years per state requirements. The current five-year update is due May 1, 2019 to the TCEQ offices.

The attached Drought Contingency/Emergency Water Management Plan is a composite of the City of Fort Worth's plan along with several conditions that are unique to the City of Hurst water system. As a wholesale customer of the City of Fort Worth, Hurst is required by contract to follow their plan.

Funding Sources and Community Sustainability:

Sufficient funding is available in the Public Works budget to fund any requirement of this plan.

Conserving potable water is directly representative of the Council's goal of Financial Sustainability and Public Safety.

Recommendation:

Staff recommends City Council approve Ordinance 2410, second reading, amending Section 26-36.-Drought Contingency Plan of the Code of Ordinances.

ORDINANCE 2410

AN ORDINANCE AMENDING THE CITY OF HURST CODE OF ORDINANCES, CHAPTER 26 –UTILITIES, ARTICLE II. - WATER AND SANITARY SEWERS, DIVISION 2. – WATER GENERALLY, BY DELETING SECTION 26-36.-DROUGHT CONTINGENCY PLAN ADOPTED, IN ITS ENTIRETY AND ADOPTING A NEW SECTION 26-36. – DROUGHT CONTINGENCY PLAN ADOPTED; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE

WHEREAS, the City Council finds that drought contingency planning and the protection of water supplies are in the best interest of its citizens; and

WHEREAS, the City is required every 5th year to update and amend the drought contingency and emergency water management plan by the Texas Commission on Environmental Quality (TCEQ) and the Texas Water Development Board. This update is due to be submitted by May 1, 2019, in accordance with Title 30 of the Texas Administration Code, Chapter 288; and

WHEREAS, the City of Hurst, by contract, must adopt no less than the same restrictions and requirements of the City of Fort Worth when it comes to the Drought Contingency and Emergency Water Management Plan; and

WHEREAS, pursuant to Chapter 54 of the Local Government Code, the City is authorized to adopt such Ordinances necessary to preserve and conserve its water resources; and

WHEREAS, the City has determined an urgent need, in the best interest of the public, to adopt a new Drought Contingency and Emergency Water Management Plan.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HURST, TEXAS:

Section 1. THAT the statements contained in the preamble to this Ordinance are hereby adopted as findings of fact and as a part of the operative provisions hereof.

Section 2. THAT the City of Hurst Code of Ordinances Chapter 26 is hereby amended by deleting Section 26-36 and adding a new Section 26-36 to read as follows:

"Sec. 26-36. Drought Contingency Plan

The City of Hurst hereby adopts the Drought Contingency and Emergency Water Management Plan attached as Exhibit "A".

Section 3. THAT all ordinances or any parts thereof in conflict with the terms of this ordinance shall be and hereby are deemed repealed and of no force or effect.

Section 4. THAT if any section, subsection, sentence, clause or phrase of this ordinance shall for any reason be held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 5. THAT this ordinance will take effect immediately from and after its passage.

AND IT IS SO ORDERED.

Passed on the first reading on the 26th day of March 2019, by a vote of 6 to 0.

Passed on the second reading on the _____day of _____2019, by a vote of ____to_____

ATTEST:

CITY OF HURST

Rita Frick, City Secretary

Henry Wilson, Mayor

Approved as to form and legality:

City Attorney



City of Hurst
1505 Precinct Line Road
Hurst, Texas 76054
PWS # 2200054
www.hursttx.gov

Drought Contingency & Emergency Water Management Plan

for Retail Water Customers

April 9, 2019



TABLE OF CONTENTS

EXHIBIT A

1.	INTRODUCTION AND OBJECTIVES.....	3
2.	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY...	3
3.	WATER SYSTEM PROFILE.....	3
4.	DROUGHT CONTINGENCY PLAN.....	4
4.1	Public Education/Involvement.....	4
4.2	Initiation and Termination of Drought Response Stages...	5
	A.) Initiation	
	B.) Termination	
4.3	Drought and Emergency Response Stages.....	6
	Stage 1	
	Stage 2	
	Stage 3	
4.4	Procedures for Granting Variances to the Plan.....	17
4.5	Procedures for Enforcing Mandatory Water Use Restrictions	18
4.6	Coordination with Regional Planning Group.....	18
4.7	Review and Update of Drought Contingency Plan.....	18
5.	DEFINITIONS.....	19



**CITY OF HURST
DROUGHT CONTINGENCY / EMERGENCY WATER MANAGEMENT PLAN**

1. INTRODUCTION AND OBJECTIVES

The purpose of this Drought Contingency Plan (subsequently referred to as the Plan) is as follows:

-) To conserve the available water supply in times of drought and emergency.
-) To maintain supplies for domestic water use, sanitation, and fire protection.
-) To protect and preserve public health, welfare and safety.
-) To minimize the adverse impacts of water shortages.
-) To minimize the adverse impacts of emergency water supply conditions.

**2. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)
RULES**

TCEQ Rule Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.1 (6) defines a drought contingency plan as “a strategy or combination strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies.”

TCEQ rules governing development of and minimum requirements for drought contingency plans for municipal water suppliers and wholesale water suppliers are contained in Texas Administrative Code Title 30, Part 1, Chapter 288, Subchapter B, Rule 288.20 and Rule 288.22, respectively.

3. WATER SYSTEM PROFILE

The City of Hurst purchases water from the City of Fort Worth and supplements that supply with six Water Wells tapped into the Trinity Aquifer.

The City is separated into two pressure planes (North and South). The dividing line is Airport Freeway. SH 183 & 121.

The South Pressure Plane is supplied by purchase water from the City of Fort Worth through meter Vault # 2 located at 405 W. Hurst Blvd. along with five water wells. All supplies are stabilized by one (1.0 mg) elevated water tank, (Valentine) The total design



capacity in the South Plane is seven million gallons per day (mg/d) and the reliable delivery capacity is six mg/d.

The North Pressure Plane is supplied by water purchased from the City of Fort Worth through meter Vault # 1 located at 951 W. Hurst Blvd. along with one water well. Both supply's flow into Pump Station # 5 located at 2400 Norwood and pumped into two elevated water tanks, Tarrant County College, (TCC) and North Precinct, (NP). Total design capacity in the North Plane is eight million gallons per day (mg/d) and the reliable delivery capacity is 7.5 mg/d.

System capacity with regards to the defined triggers in all three stages is the total reliable delivery capacity found in Appendix A. Therefore, the system capacity baseline for all triggers is the reliable capacity of 13.5 mg/d.

In accordance with Section 2.3 of the wholesale water contract, wholesale customers like the City of Hurst are required to institute and apply the same rationing, conservation measures or restrictions to the use of water by their customers as long as any part of their total water supply is being furnished by the City of Fort Worth.

The water supply triggers defined in all three stages is in accordance with the City of Fort Worth Drought Contingency/Emergency Water Management Plan.

4. DROUGHT CONTINGENCY / EMERGENCY WATER MANAGEMENT PLAN

4.1 Public Education/Involvement

The City of Hurst will inform and educate the public about the Drought Contingency/Emergency Water Management Plan and provide opportunity for the public to provide input into the preparation of the Plan by the following means:

-) Preparing fact sheets describing the plan and making these available online and at various city sites, and at various public events,
-) Posting a copy of the Plan on the City's Web site,
-) Scheduling and providing public notice of public meeting to accept input on the Plan.
-) Posting drought condition signs on poles at heavily traveled intersections throughout the city,
-) Notifying local organizations, schools, and civic groups that staff is available to present information about the plan, and
-) Delivering educational information via door hangers to citizens, as needed.



At any time that the Drought Contingency/Emergency Management Plan is activated or the stage changes, staff will notify the local media of the issues, the current response stage, and the specific actions required of the public. The information will also be publicized on the city's Web site. Bill inserts will be used as needed.

4.2 Initiation & Termination of Drought & Emergency Response Stages

The provisions of this plan shall apply to all persons, customers, and property utilizing potable water provided by the City of Hurst. The term "person" and "customer" as used in the plan include individuals, corporations, partnerships, associations, and all other legal entities. The plan does not apply to persons or organizations using treated wastewater effluent or private wells.

The plan may be applied to the entire city or geographic portions of the city as necessary. If the plan is applied only to a limited sector, the boundaries will be defined in terms of roadways, creeks and other easily distinguishable features, such as city limits.

A.) Initiation of a Drought / Emergency Water Management Stage

The City Manager, or his/her designee, may order the implementation of a drought response or water emergency stage when one or more of the trigger conditions for that stage is met. The following actions will occur when a drought stage is initiated.

-) The public will be notified through local media and the City of Hurst web site, as described in section 4.1.
-) The City of Hurst Water Utilities will notify the Executive Director of the TCEQ within 5 business days when mandatory provisions of the plan are activated.

Stages imposed by the City of Fort Worth must be initiated by the City of Hurst.

For other trigger conditions initiated by the City of Hurst, the City manager or his/her official designee may decide not to order the implementation of the drought response or water emergency stage even though one or more of the trigger criteria for the stage are met. Factors which could influence such a decision include, but not limited to, the time of year, weather conditions, the anticipation of replenished water supplies, or the anticipation that additional facilities will become available to meet needs. The reason for this decision should be documented.

B.) Termination of a Drought Stage

The City manager or his/her official designee may order the termination of a drought response or water emergency stage when the conditions for termination are met or at their discretion. The following actions will be taken when a drought stage is terminated:



- J The public will be notified through local media and the City of Hurst Web site as described in Section 4.1.
- J If any mandatory provisions of the drought contingency/emergency water management plan that have been activated are terminated, water utilities staff will notify the Executive Director of the TCEQ within 5 business days.

The City Manager or his/her official designee may decide not to order the termination of a drought response stage or water emergency even though the conditions for termination of the stage are met. The City Manager or his/her designee may choose to implement a phased out approach when exiting various stages to protect the integrity of the system. Factors which could influence such a decision include, but are not limited to, the time of year, weather conditions, or the anticipation of potential changes in conditions that warrant the continuation of the drought stage. The reason for the decision should be documented.

4.3 Drought and Emergency Response Stages

Stage 1 - Water Watch

Triggering Conditions for Stage 1

- © When, pursuant to requirements specified in the City of Hurst wholesale water purchase contract with the City of Fort Worth, notification is received requesting initiation of Stage 1 of the Drought Plan.
- © Water demands reach or exceed 90% of reliable delivery capacity for three consecutive days. The delivery capacity could be citywide or in a specified portion of the system.
- © Hurst's water distribution system becomes contaminated.
- © Hurst's water demand for all or part of the delivery system approaches delivery capacity because delivery capacity is inadequate.
- © Hurst's water supply system is unable to deliver water due to the failure or damage of major water system components, or due to other criteria, such as power outages or restrictions.

Terminating Conditions for Stage 1

Stage 1 may be terminated when the City of Fort Worth terminates its Stage 1 condition or when the circumstances that caused the initiation of Stage 1 no longer exist and/or the total combined raw water supply in the TRWD western and eastern division reservoirs exceeds 85% (15% depleted) of conservation storage capacity and remains above 85% for 90 consecutive days, whichever occurs first.



Goal for Use Reduction for Stage 1

The goal for water use reduction under Stage 1, Water Watch, is five percent (5%). If circumstances warrant or if required by the City of Fort Worth, the City Manager or his/her official designee can set a goal for greater water use reduction.

Actions Available for Stage 1

The City Manager or his/her official designee may order the implementation of any of the actions listed below, as deemed necessary. Measures imposing mandatory requirements on customers require notification to the TCEQ. The City Manager or his/her official designee must notify the TCEQ within five business days if any mandatory measures are implemented.

All Water Users

Initiate mandatory restrictions to prohibit non-essential water use as follows

- J Discourage hosing of paved areas, such as sidewalks, driveways, parking lots, tennis courts, patios, or other impervious surfaces, except to alleviate an immediate health or safety hazard. This may include premises with raw or processed food, pharmaceutical or vaccine processing, storage or vending establishments including restaurants and grocery stores may be washed to the extent necessary for sanitary purposes. These areas may also include:
 - o Trash and dumpster areas
 - o Areas around fuel pumps
 - o Store front cleaning of areas with accumulated bird droppings, feathers and debris
 - o Localized spot cleaning of parking areas to remove oil, grease buildup that may pose a health and safety issue.

- J Discourage hosing of buildings or other structures for purposes other than fire protection or surface preparation prior to painting.

- J Prohibit using water in such a manner as to allow runoff or other waste, including:
 - o Failure to repair a controllable leak, including a broken sprinkler head, a leaking valve, leaking or broken pipes, or a leaking faucet;
 - o Operating a permanently installed irrigation system with: (a) a broken head; (b) a head that is out of adjustment and the arc of the spray head is over a street or parking lot; or (c) a head that is misting because of high water pressure; or



Drought Contingency & Emergency Water Management Plan

City of Hurst, Texas

- during irrigation, allowing water to (a) to run off a property and form a stream of water in a street for a distance of 50 feet or greater; or (b) to pond in the street or parking lot to a depth greater than one-quarter of an inch.
 - Allowing or causing an irrigation system or other lawn watering device to operate during any form of precipitation or when temperatures are below 32 degrees Fahrenheit.
-) Prohibit outdoor watering with sprinklers or irrigation systems between 10 a.m. and 6 p.m.
-) Limit landscape watering with sprinklers or irrigation systems at each service address to twice per week schedule as outlined below. This includes landscape watering of parks, golf courses, and sport fields. Wholesale customers may use a different watering schedule than the one below as long as it limits each service address to a twice per week schedule. However, use of the same schedule would simplify the message conveyed to customers through the news media.
-) Maximum twice per week watering for hose-end sprinklers and automatic irrigation systems based on odd/even addresses and days of week schedules.

Stage 1, Water Watch, Outdoor Watering Schedule		
Monday	No Outdoor Watering	Water System Recovery Day
Tuesday and Friday	Non-Residential Sites	Apartments, Parks, Medians, Businesses, Industries etc.
Wednesday and Saturday	Residential Addresses Ending in Even Numbers	0,2,4,6,8
Thursday and Sunday	Residential Addresses Ending in Odd Numbers	1,3,5,7,9

Exceptions:

-) Lawn and landscaping may be watered on any day by handheld hose, drip irrigation, a soaker hose or tree bubbler.
-) Water use necessary for the repair of an irrigation system, plumbing line, foundation, etc. in the presence of the person making the repair.
-) Outdoor watering at service addresses with large multi-station irrigation system may take place in accordance with a variance granted by the Executive Director of Public Works, if the Director determines that a property cannot be completely



Drought Contingency & Emergency Water Management Plan

City of Hurst, Texas

- irrigated with an average of three-quarters of an inch of water in a single day, and that the property should be divided into sections to be irrigated on different days. If approved, no station will be watered more than twice per week.
- J Establishing new turf is discouraged. If hydro-mulch, grass sod, or grass seed is installed for the purpose of establishing a new lawn, daily watering is allowed for the first 30 days as long as it is performed before 10 a.m. and after 6 p.m. while it is being established. After that, all watering restrictions set forth in this stage apply. (This does not include over seeding with rye since turf already exists.)
 - J Non-grass areas of sports fields may be watered as needed for dust control.
 - J Watering of athletic fields (fields only, does not include surrounding landscaped areas) used for organized sports practice, competition, or exhibition events may occur as necessary to protect the health and safety of the players, staff, or officials present for athletic events.
 - J Public areas with frequent use may be allowed additional watering, with a variance granted by the Executive Director of Public Works, if it is deemed to be beneficial to serve and protect the community. Examples may include but are not limited to: outdoor amphitheaters, demonstration gardens, public art exhibitions, outdoor learning areas, arboretums, etc.
 - J All users are encouraged to reduce the frequency of draining and refilling swimming pools.
 - J All users are encouraged to use native and adapted drought tolerant plants in landscaping.
 - J Washing of any motor vehicle, motorbike, boat, trailer, airplane, or other vehicle shall be limited to the use of a hand-held bucket or a hand-held hose equipped with a positive-pressure shutoff nozzle for quick rinses. Vehicle washing may be done at any time on the premises of a commercial car wash or commercial service station. Companies with an automated on-site vehicle washing facility may wash it's vehicles at any time. Further, such washing may be exempt from these requirements if the health and safety, and welfare of the public are contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles used to transport food and perishables.
 - J Discourage the filling, draining, or refilling of swimming pools, wading pools, hot tubs and Jacuzzi type pools except to maintain adequate water levels for structural integrity, proper operation and maintenance, and/or to alleviate an issue that poses a public safety risk.



City and Local Governments

In addition to the actions listed above:

-) Review conditions and problems that caused Stage 1, then take corrective action,
-) Increase public education efforts to reduce water use,
-) Increase enforcement efforts to notify violators,
-) Intensify leak detection and repair efforts,
-) Audit all city and local government irrigation systems to ensure proper condition, settings, and operation,
-) Identify and encourage voluntary reduction measures by high volume water users through water use audits.
-) Reduce non-essential water use. As used herein, non-essential water uses are those that do not have any health or safety impact and are not needed to meet the core function of the agency.
-) City of Fort Worth Water Director or his/her designee will notify the City of Hurst of their restrictive actions being taken and require Hurst to implement the same stage and measures. Such action is in accordance with section 2.3 of the uniform wholesale contract. Per the contract, wholesale customers are required to institute and apply the same rationing, conservation measures or restrictions as long as any part of their total water supply is being furnished by Fort Worth.

Commercial or Industrial

-) All actions listed above for all water users apply to commercial and industrial users,
-) Stock at commercial plant nurseries is exempt from Stage 1 watering restrictions, but water conservation is encouraged,
-) Hotels are encouraged to implement laundry conservation measures by encouraging patrons to reuse linens and towels,
-) Car wash facilities must keep equipment in good working order, which should include regular inspections to be sure there are no leaks, broken or misdirected nozzles, and that all equipment is operating efficiently, and
-) All commercial and industrial customers are encouraged to audit irrigation systems.

Stage 2 – Water Warning

Triggering Conditions for Stage 2

-) When, pursuant to requirements specified in the City of Hurst wholesale water purchase contract with the City of Fort Worth, notification is received requesting initiation of Stage 2 of the Drought Contingency Plan.
-) Water demand reaches or exceeds 95% of reliable delivery capacity for three consecutive days. The delivery capacity could be city wide or in a specified portion of the system.



-) Contamination of the water supply source(s) or water supply system.
-) Demand for all or part of the delivery system equals or exceeds delivery capacity because delivery capacity is inadequate.
-) Water supply system is unable to deliver water due to the failure or damage of major water system components.

Terminating Conditions for Stage 2

Stage 2 may be terminated when the City of Fort Worth terminates its Stage 2 condition or when the circumstances that caused the initiation of Stage 2 no longer prevail.

Goal for Use Reduction for Stage 2

The goal for water use reduction under Stage 2, Water Warning is to decrease use by ten percent (10%). If circumstances warrant or if required by the City of Fort Worth, the City Manager or his/her official designee can set a goal for greater water use reduction.

Actions Available for Stage 2

The City Manager or his/her official designee may order the implementation of any of the actions listed below, as deemed necessary. The City Manager or his/her official designee must implement any action(s) required by the City of Fort Worth, in accordance with Section 2.3 of the uniform wholesale water contract.

-) Continue or initiate any actions under Stage 1.

All Water Users

-) Limit landscape watering with sprinklers or irrigation systems to a once per week schedule at each service address as determined by the Executive Director of Public Works. This includes landscape watering at parks, golf courses and sports fields. Use of the same schedule used by the City of Fort Worth, simplify the messages passed to customers through the news media.

Exceptions:

-) Lawn and landscaping may be watered on any day, at any time, by handheld hose, drip irrigation, a soaker hose or tree bubbler (The intent of this measure is to allow for the protection of structural foundations, trees, and other high value landscape materials).
-) Outdoor watering at service addresses with large multi-station irrigation systems may take place in accordance with a variance granted by the Executive Director of Public Works, if the Director determines that a property cannot be completely irrigated with an average of three-quarters of an inch of water in a single day, and that the property



Drought Contingency & Emergency Water Management Plan

City of Hurst, Texas

should be divided into sections to be irrigated on different days. **If approved, no station will be watered than once per week.**

- J Watering of athletic fields (fields only, does not include surrounding landscaped areas) used for organized sports practice, competition, or exhibition events may occur as necessary to protect the health and safety of the players, staff, or officials present for athletic events. Conservation is encouraged.
- J All users are encouraged to wait until the current drought or emergency situation has passed before establishing new landscaping and turf. Variances granted for establishing new turf grass or landscaping will be for a maximum of 30 days from the date of approval. After that, the watering restrictions set forth in this stage apply. **(This does not include over seeding with rye since turf already exists.)**
- J Discourage the operation of ornamental fountains or ponds that use potable water except where necessary to support aquatic life or where such fountains or ponds are equipped with recirculation system.
- J Discourage the filling, draining, or refilling of swimming pools, wading pools, hot tubs and Jacuzzi type pools except to maintain adequate water levels for structural integrity, proper operation and maintenance, and/or to alleviate an issue that poses a public safety risk.
- J Encourage the use of covers for all types of pools, hot tubs, and Jacuzzi type pools when not in use.

City and Local Governments

In addition to the actions listed above:

- J Review conditions or problem that caused Stage 2. Take corrective action,
- J Increase frequency of media releases on water supply conditions,
- J Further accelerate public education efforts on ways to reduce water use,
- J Eliminate no-essential water use. As used herein, non-essential water use are those that do not have any health or safety impact and are not needed to meet the core function of the agency.
- J Prohibit wet street sweeping.
- J City of Fort Worth Water Director or his/her designee will notify the City of Hurst, their wholesale customer of actions being taken and require us to implement the same stage and measures. Such action is in accordance with section 2.3 of the uniform wholesale contract. Per the contract, wholesale customers are required to institute and apply the same rationing, conservation measures or restrictions to use of their customers for so long as any part of their total water supply is being furnished by Fort Worth.



Commercial or Industrial

All actions listed above for all water users apply to commercial and industrial users.

Use of water from fire hydrants for any purpose other than firefighting related activities or other activities necessary to maintain public health, safety and welfare requires a variance issued by the Executive Director of Public Works. Fire hydrant use may be limited to only designated hydrants. Upon declaration of this drought stage, all holders or applicants of a Water Fire Hydrant Agreement are required to apply for a variance as set forth in this plan. If conditions allow, as determined by the Executive Director of Public Works, the use of water from hydrants may continue until the Executive Director or his/her designee issues a determination on the petition for variance. If conditions do not allow, the Executive Director may require all fire hydrant meters be immediately returned from the field, pending determination of each petition for variance.

Stage 3 – Emergency Water Use

Triggering Conditions for Stage 3

-) When, pursuant to requirements specified in the City of Hurst wholesale water purchase contract with the City of Fort Worth, notification is received requesting initiation of Stage 3 of the Drought Plan.
-) Water demand has reached or exceeds 98% of reliable delivery capacity for one day. The delivery capacity could be citywide or in a specified portion of the system.
-) Contamination of the water supply source(s) or water supply system.
-) Demand for all or part of the water system exceeds delivery capacity because delivery capacity is inadequate.
-) Water supply system is unable to deliver water due to the failure or damage of major water system components
-) TRWD has initiated Stage 3 – Emergency Water Use, which may also be initiated by one or more of the following:
 - o Total raw water supply in TRWD western and eastern division’s reservoirs drops below 45% (55% depleted) of conservation storage.
 - o Water demand for all or part of the TRWD delivery system exceeds delivery capacity because delivery capacity is inadequate.
 - o Water demand is projected to approach or exceed the limit of TRWD’s permitted supply.
 - o TRWD’s supply source becomes contaminated.
 - o TRWD’s water supply system is unable to deliver water due to failure or damage of major water system components.
 - o The TRWD General Manager, with the concurrence of the TRWD Board of Directors, finds that conditions warrant the declaration of a Stage 3 Drought.



Terminating Conditions for Stage 3

Stage 3 will be terminated when the City of Fort Worth terminates its Stage 3 condition or when the circumstances that caused the initiation of Stage 3 no longer prevail.

Goal for Use Reduction for Stage 3

The goal for water use reduction under Stage 3, Emergency Water Use, is to decrease use by twenty percent (20%). If circumstances warrant or if required by the City of Fort Worth, the City Manager or his/her official designee can set a goal for greater water use reduction.

Actions Available for Stage 3

The City Manager or his/her official designee may order the implementation of any of the actions listed below, as deemed necessary. The City Manager or his/her official designee must implement any action(s) required by the City of Fort Worth, in accordance with Section 2.3 of the uniform wholesale water contract.

- J Continue or initiate any actions available under Stage 1 and 2.

All Water Users

- J Prohibit landscape watering, including at parks, golf courses, and sports fields

Exceptions:

- o Watering with hand-held hose, soaker hose or drip irrigation systems may occur and day and any time. (The intent of this measure is to allow for the protection of structural foundations, trees, and other high value landscape materials).
- o Watering of athletic fields (fields only, does not include surrounding landscaped areas) used for organizing sports practice, competition, or exhibition events may occur as necessary to protect the health and safety of the players, staff, or officials present for athletic events may be allowed to water by variance. A water management plan must be submitted to the Executive Director of Public Works detailing how each area will comply with stage 3 drought measures.
- J Prohibit establishment of new landscaping. Variances may be granted for those landscape projects started prior to the initiation of stage 3 drought restrictions.
- J Vehicle washing restricted to commercial car wash, commercial service station or a private on-site vehicle washing facility and can only be done as necessary for health, sanitation, or safety reasons, including but not limited to the washing of garbage



trucks and vehicles used to transport food and other perishables. All other vehicle washing is prohibited.

- J Prohibit the operation of ornamental fountains or ponds that use potable water except where necessary to support aquatic life.
- J Prohibit the draining, filling of swimming pools, wading pools and Jacuzzi type pools. Existing private and public pools may add water to maintain pool levels; however they may not be refilled using automatic fill valves.
- J Prohibit hosing of buildings or other structures for purposes other than fire protection or surface preparation prior to painting with high-pressure equipment. Must be performed by a professional power washing service utilizing high efficiency equipment and a vacuum recovery system where possible.

City and Local Governments

In addition to actions listed above:

- J Continue or initiate any actions available under Stage1 and 2.
- J Review conditions or problems that caused Stage3. Take corrective action.
- J Implement viable alternative water supply strategies.
- J Increase frequency of media releases explaining emergency situation.
- J Reduce city and local government water use to maximum extent possible.
- J Prohibit the permitting of new swimming pools, Jacuzzi type pools, spas, ornamental ponds and fountain construction. Pools already permitted and under construction may be completely filled with water.

Commercial or Industrial

- J All actions listed above for all water users apply to commercial and industrial users.
- J Hotels, restaurants, and bars required to serve drinking water to patrons as requested.
- J Hotels are required to implement laundry conservation measures by encouraging patrons to reuse linens and towels.
- J Stock at commercial plant nursery may be watered only with handheld hose, handheld watering can, or drip irrigation system.
- J Commercial and industrial water users required to reduce water use by a set percentage determined by the Executive Director of Public Works.

Use of water from fire hydrants for any purpose other than firefighting related activities or other activities necessary to maintain public health, safety and welfare requires a special permit issued by the Executive Director of Public Works. Fire hydrant use may be limited to only designated hydrants.



4.4 Procedures for Granting Variances to the Plan

The Executive Director of Public Works or his/her official designee may grant temporary variances for existing water uses otherwise prohibited under this drought contingency plan if one or more of the following conditions are met:

- J Failure to grant such a variance would cause an emergency condition adversely affecting health, sanitation, or fire safety for the public or the person requesting the variance.
- J Compliance with this plan cannot be accomplished due to technical or other limitations.
- J Alternative methods that achieve the same level of reduction in water use can be implemented.

Variances shall be granted or denied at the discretion of the Executive Director of Public Works or his/her official designee. All petitions for variances should be in writing and should include the following information:

- J Name and address of the petitioner(s)
- J Purpose of water use
- J Specific provisions from which relief is requested
- J Detailed statement of the adverse effect of the provision from which relief is requested
- J Description of the relief requested
- J Period of time for which the variance is sought
- J Detailed schedule of irrigation that shows a reduction in use over the 30 day period for new lawns and landscapes. Schedule should be designed so that at the end of the 30 day period, lawn and landscape areas can adhere to the twice per week schedule defined in stage 1.
- J Alternative measures that will be taken to reduce water use
- J Other pertinent information required by the Public Works Department.

4.5 Procedures for Enforcing Mandatory Water Use Measures

Mandatory water use restrictions may be imposed in Stage 1, 2, and 3. These mandatory water use restrictions will be enforced by warnings and penalties as follows:

- J On the first violation, customers will be given a written warning that they have violated the mandatory water use restriction.
- J On the second and subsequent violations, citations may be issued to customers, with minimum and maximum fines established by ordinance,
- J After three violations have occurred, the utility may cut off water service to the customer.



4.6 Coordination with Regional Planning Group

The service area of the City of Hurst is located within Region C Planning Group’s boundary and the City has provided a copy of its plan to the Region C Planning Group.

4.7 Review and Update of Drought Contingency Plan

As required by TCEQ rules, Hurst will review this drought contingency plan in 2024 and at least every five years thereafter. The plan will be updated as appropriate based on new or updated information.

5.0 Drought Contingency Plan Definitions

Term	Definition
Aesthetic water use	Water use for ornamental or decorative features such as fountains, reflecting pools and water gardens.
Alternative Water Source	Means water produced by a source other than a water treatment plant and is not considered potable. These sources can include, but are not limited to: reclaimed/recycled water, collected rain water, collected grey water, private well water.
Athletic Field	Means a sport playing field, the essential feature of which is turf grass, used primarily for organized sports for schools, professional sports, or sanctioned league play.
Automatic Irrigation System	Means a site specific system of delivering water generally for landscaping via a system of pipes or other conduits installed below ground that automatically cycles water use through water emitters to a preset program, whether on a designated timer or manual through manual operation.
Aquatic Life	Means a vertebrate organism dependent upon an aquatic environment to sustain its life.
Conservation	Those practices, techniques, and technologies that reduce water consumption; reduce the loss or waste of water; improve the efficiency in water use; and increase the recycling and reuse of water so that supply is conserved and made available for other or future use.
Customer	Any person, company, or organization using water supplied by the TRWD or through an entity supplied by the TRWD.
Drip Irrigation	An irrigation system (drip, porous pipe, etc.) that applies water at a predetermined controlled low-flow levels directly to the roots of a plant.
Drought Contingency Plan	Means a strategy or combination of strategies for temporary supply management and demand management responses temporary or potentially recurring water supply shortages and other water supply emergencies.



Drought Contingency & Emergency Water Management Plan

City of Hurst, Texas

Fountain	An artificially created jet, stream or flow of water, a structure, often decorative, from which a jet, stream or flow of water issues.
Golf Course	Means an irrigated and landscaped playing area made up of greens, tees, fairways, roughs and related areas used for playing of golf.
Hand-Held Hose	Means a hose physically held by one person, fitted with a manual or automatic shutoff nozzle.
Hand Watering	Means the application of water for irrigation purposes through and hand-held watering hose, watering can, or bucket.

Hose-end Sprinkler	Means a devise through which water flows from a hose to a sprinkler to water any lawn or landscape.
Hosing	Means to spray, water, or wash with a water hose.
Industrial Water Use	Means the use of water for or in connection with commercial or industrial activities, including but not limited to, manufacturing, bottling, brewing, food processing, scientific research and technology, recycling, production of concrete, asphalt, and cement, commercial uses of water for tourism, entertainment, and hotel or motel lodging, generation of power other that hydroelectric and other business activities.
Irrigation System	Means a system of fixed pipes and water emitters that apply water to a landscape plants or turf grass, including, but not limited to, in-ground and permanent irrigation systems.
Lake, Lagoon or Pond	Means an artificially created body of fresh or salt water.
Landscape Irrigation Use	Water used for the irrigation and maintenance of landscape areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, right-of-ways, medians and entry ways.
“New Landscape” means	<ul style="list-style-type: none"> a. Installed during construction of a new house, multi-family dwelling, or commercial building; b. Installed as a part of a government entity’s capital improvement project; or c. Alters more than one-half the area of an existing landscape.
Non-Essential Water Use	<p>Water uses that are not required for the protection of public health, safety and welfare, such as;</p> <ul style="list-style-type: none"> a. Irrigating landscape areas, including parks, athletic fields, and golf courses, except as otherwise provided under this plan; b. Washing any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard surfaced areas; except to alleviate a public health and safety issue; c. Washing any automobile, motorbike, boat (and/or trailer), airplane, or other vehicle except where required by law for safety and sanitary purposes.



Drought Contingency & Emergency Water Management Plan

City of Hurst, Texas

	<ul style="list-style-type: none"> d. Washing buildings or structures for the purpose other than immediate fire protection, or other uses provided under this plan; e. Filling, refilling, or adding to any swimming pools or Jacuzzi-type pools, except to maintain safe operating levels; f. Filling or operation of a fountain or pond for aesthetic or scenic purposes except when necessary to support aquatic life;
--	--

	<ul style="list-style-type: none"> g. Failure to repair a controllable leak within a reasonable time period after being directed to do so by formal notice; and h. Drawing from hydrants for construction purposes or any other purpose other than firefighting or protection of public drinking water supplies.
--	--

Park	Means a non-residential or multifamily tract of land, other than a golf course, maintained by a city, private organization, or individual, as a place of beauty or public recreation and available for use to the general public.
Power/Pressure Washer	Means a machine that uses water or a water-based product applied at high pressure to clean impervious surfaces.
Pressure Washer (High Efficiency)	Means a machine that uses water or a water-based product applied at 1500 pounds per square inch (psi) or greater.
Reclaimed Water	Municipal wastewater effluent that is given additional treatment and distributed for reuse in certain applications. Also referred to as recycled water.
Soaker Hose	Means a flexible hose that is designed to slowly emit water across the entire length and connect directly to a flexible hose to spigot. Does not include hose that be design or use sends a fine spray in the air. It is not considered drip irrigation.
Splash Pad/Spray Park	Means an area for water play that has no standing water. Typically, they utilize various spray nozzles which spray water in multiple directions.
Swimming Pool	Means any structure, basin, chamber, or tank including hot tubs, containing an artificial body of water for swimming, diving, or recreational bathing, and having a depth of two (2) feet or more at any point.
Vegetable Garden	Means and noncommercial vegetable garden planted primarily for household use; “noncommercial” includes incidental direct selling of produce from such a vegetable garden to the public.
Well Water	Means water that has been, or is, obtained from the ground by digging, boring, or drilling to access an underground aquifer.



THIS PAGE IS INTENTIONALLY LEFT BLANK

City Council Staff Report

SUBJECT: Consider approval of Ordinance 2408 creating one-way streets adjacent to certain schools in the City of Hurst

Supporting Documents:

Ordinance 2408
 Location Maps

Meeting Date: 4/9/2019
 Department: Public Works
 Reviewed by: Greg Dickens
 City Manager Review:

Background/Analysis:

City of Hurst staff met with HEB ISD administrative staff and the principal at designated schools to discuss making the entrance street one-way during morning and afternoon school speed zone hours. An aerial of the school site and surrounding streets was examined by all parties and the traffic flow and congestion were discussed. There was a consensus, of those attending, that designating the entrance street one-way during morning and afternoon school speed zone hours would be the most beneficial change to help mitigate congestion around the school.

Currently, there are at least three schools in the HEB ISD that have one-way streets next to schools. They are Stonegate Elementary in Bedford, North Euless Elementary in Euless, and Oakwood Terrace Elementary in Euless. All one-way streets, next to the schools, appear to be functioning well and serve to decrease congestion around the schools during drop-off and pick-up times.

Both the HEB ISD staff and City staff requested the Transportation Infrastructure and Safety Committee consider making the streets, listed below, one-way streets during school speed zone hours. The Committee recommended an ordinance be presented to Council to consider the one-way streets, as proposed, to be in effect at the beginning of the 2019-2020 school year.

Designated schools:

-) Shady Oaks Elementary / Cavender Drive from Fieldwood Terrace to Airport Freeway Frontage Road
-) Bellaire Elementary / Bellaire Drive from Pecan Street to Greenway Drive
-) Harrison Elementary / Harrison Lane from Sheri Lane to West Cheryl Avenue
-) Hurst Hills Elementary / Billie Ruth Lane from Willow St to Oakwood Avenue
-) Hurst Junior High / Harmon Road from West Redbud Drive to Pecan Street

Funding Sources and Community Sustainability:

Sufficient funding is available in the current Public Works budget to fund the traffic signs for the one-way streets.

Establishing one-way streets adjacent to schools is directly representative of the Council's goal of Public Safety.

Recommendation:

Staff recommends City Council approve Ordinance 2408 creating one way streets adjacent to certain schools in the City of Hurst.

ORDINANCE 2408

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF HURST, TEXAS, AMENDING THE HURST CODE OF ORDINANCES CHAPTER 24 BY ADDING SECTION 24-71; ONE-WAY STREETS; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A PENALTY; AND PROVIDING AN EFFECTIVE DATE

WHEREAS, the City Council (the "City Council") of the City of Hurst, Texas (the "City"), has appointed a Transportation Infrastructure and Safety Committee to act in an advisory capacity to the City Council in all matters pertaining to traffic safety; and

WHEREAS, the Transportation Infrastructure and Safety Committee has determined, after reasonable consideration, that entrance streets adjacent to certain schools should be designated one-way streets as provided herein; and

WHEREAS, the City of Hurst is a Home Rule municipality having full powers of self-government and may enact ordinances relative to its citizens' health, safety, and welfare that are not inconsistent with the Constitution and laws of the State; and

WHEREAS, Section 311.001 of the Texas Transportation Code provides that a home-rule municipality has exclusive control over and under the public highways, streets, and alleys of the municipality; and

WHEREAS, the City of Hurst has determined that it is a necessity to regulate activities as provided for herein to safeguard the public; and

WHEREAS, the City of Hurst is authorized by law to adopt the provisions contained herein, and has complied with all the prerequisites necessary for the passage of this Ordinance; and

WHEREAS, all statutory and constitutional requirements for the passage of this Ordinance have been adhered to, including but not limited to the Open Meetings Act; and

WHEREAS, the purposes of this Ordinance is to promote the public health, safety, and general welfare of the citizens of the City of Hurst.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HURST, TEXAS:

Section 1. THAT the statements contained in the preamble to this Ordinance are hereby adopted as findings of fact and as a part of the operative provisions hereof.

Section 2. THAT the City of Hurst Code of Ordinances Chapter 24 is hereby amended by adding Section 24-71 to read as follows:

“Sec. 24-71. One-Way Streets

The following is a list of streets designated and signed one-way on school days during the hours of 7:00 a.m. to 8:30 a.m. and 2:30 p.m. to 4:00 p.m.

- 1) Cavender Drive from Fieldwood Terrace to Airport Freeway Frontage Road (north direction)
- 2) Bellaire Drive from Pecan Street to Greenway Drive (south direction)
- 3) Harrison Lane from Sheri Lane to West Cheryl Avenue (north direction)
- 4) Billie Ruth Lane from Willow Street to Oakwood Avenue (south direction)
- 5) Harmon Road from West Redbud Drive to Pecan Street (north direction)”

Section 5. THAT all ordinances or any parts thereof in conflict with the terms of this ordinance shall be and hereby are deemed repealed and of no force or effect.

Section 6. THAT any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and shall be fined an amount not to exceed \$500.

Section 7. THAT if any section, subsection, sentence, clause or phrase of this ordinance shall for any reason be held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 8. THAT this ordinance, after approval by Council, will become effective the first full school day of the HEB ISD 2019-2020 school year that the students attend.

AND IT IS SO ORDERED.

Passed on the first reading on the 9th day of April 2019 by a vote of ____ to ____.

Passed on the second reading on the 23rd day of April 2019 by a vote of ____ to ____.

ATTEST:

CITY OF HURST

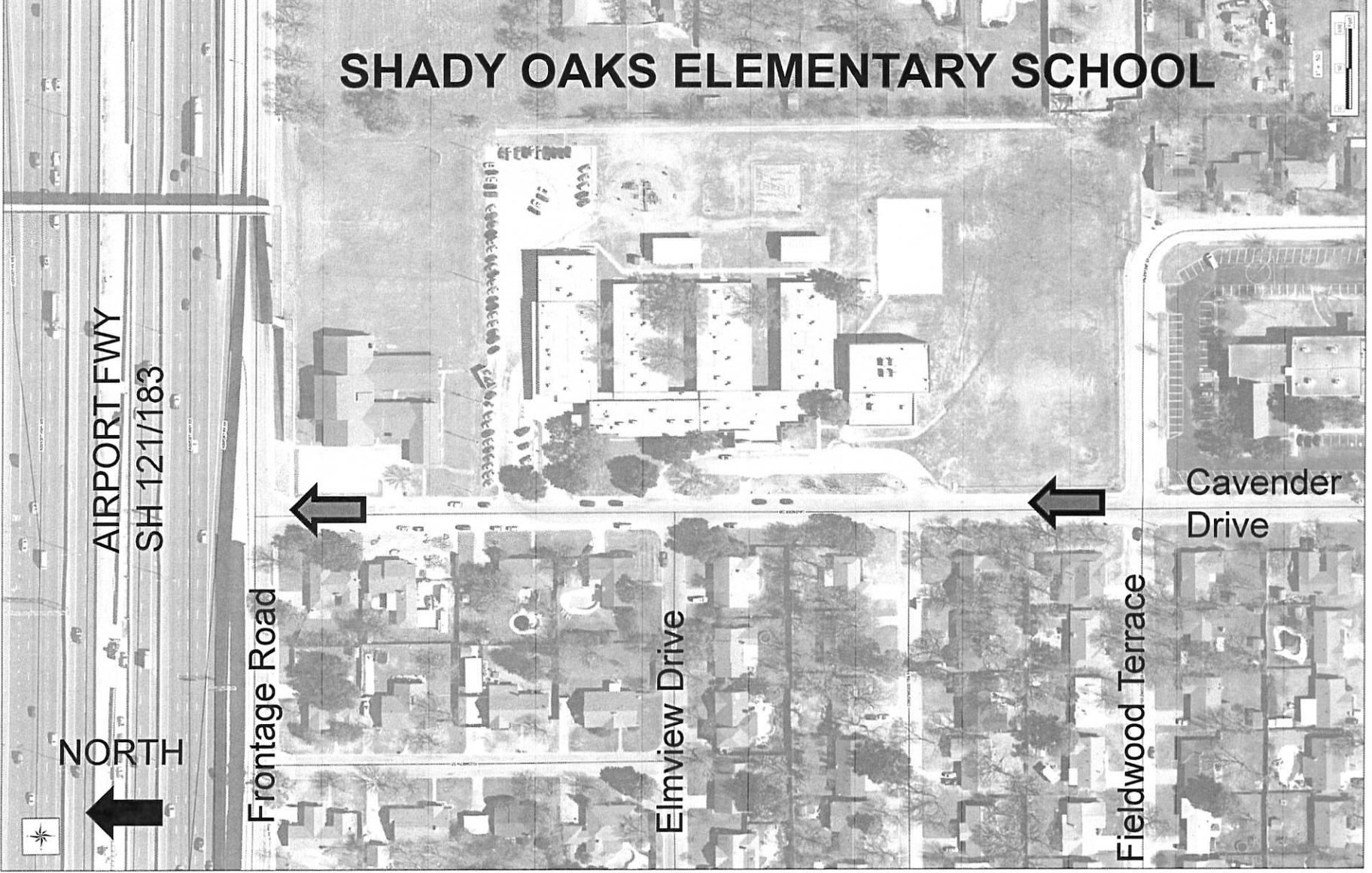
Rita Frick, City Secretary

Henry Wilson, Mayor

Approved as to form and legality:

City Attorney

SHADY OAKS ELEMENTARY SCHOOL



AIRPORT FWY
SH 121/183

NORTH

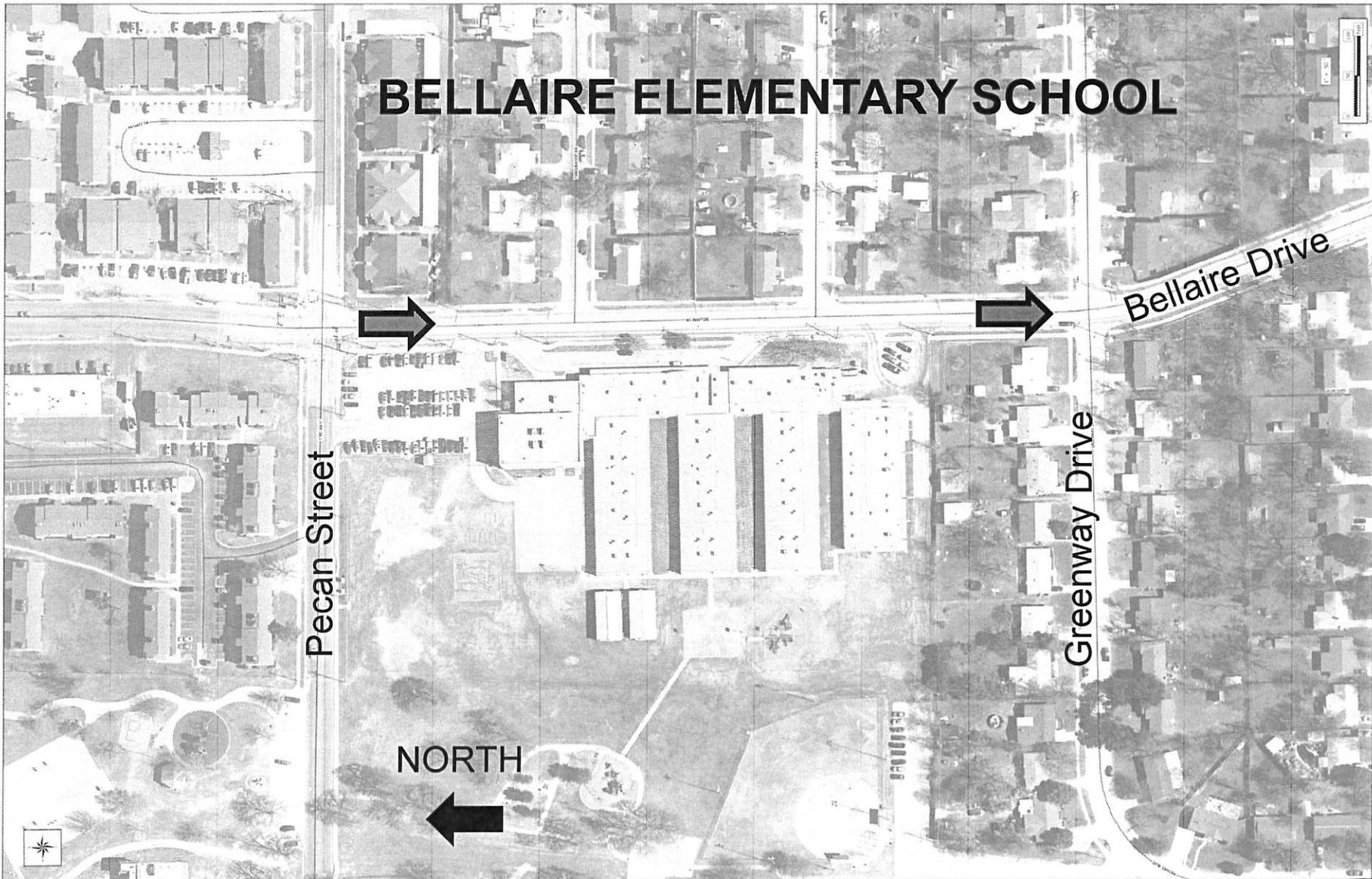
Frontage Road

Elmview Drive

Fieldwood Terrace

Cavender
Drive

BELLAIRE ELEMENTARY SCHOOL



HARRISON LANE ELEMENTARY SCHOOL



West Cheryl Avenue

Harrison Ln

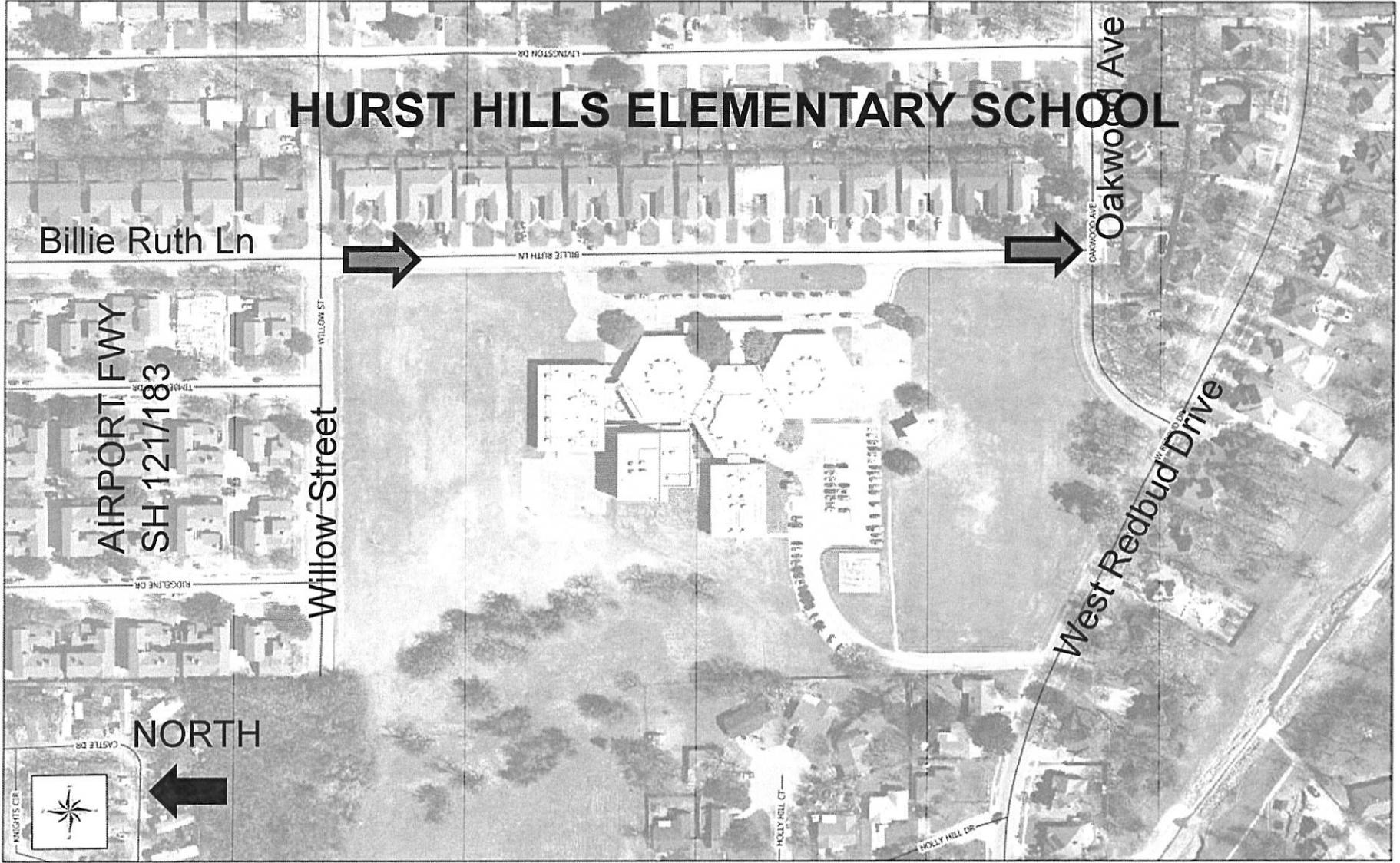
NORTH

Keith Drive

Sheri Lane

West Pipeline Road

HURST HILLS ELEMENTARY SCHOOL



Billie Ruth Ln

AIRPORT FWY
SH 121/183

Willow Street

NORTH

Oakwood Ave

West Redbud Drive

Holly Hill Ct

Holly Hill Dr

Danwood Ave

Lintonston Dr

Billie Ruth Ln

Castle Dr

Knights Cir

Ridgeline Dr

Throne Dr

Willow St

HURST JUNIOR HIGH SCHOOL

Harrison Ln

Pecan Street

West Redbud Drive

Harmon Road

NORTH



Future Event Calendar

April 9, 2019

Regular City Council meetings are held on the second and fourth Tuesday of each month. Following are additional meetings, canceled meetings and public event dates.

<u>DATE AND TIME</u>	<u>ACTIVITY</u>
Friday, April 12, 2019 5:00 – 6:30 p.m.	Adaptive Egg Hunt (for children with special needs) Central Park, 700 Mary Drive
Saturday, April 13, 2019 Noon – 2:00 p.m.	EGGstravaganza Hurst Community Park, 601 Precinct Line Road
Saturday, April 13, 2019 Items at curb prior to 7:00 a.m.	Bulk Trash curbside pickup (For those with Tuesday and Friday garbage service)
Saturday, April 13, 2019 8:00 a.m. – 11:00 a.m.	Household Hazardous Waste Service Center, 2001 Precinct Line Road
Saturday, April 13, 2019 10:00 a.m.	Smith-Barfield Park Dedication 640 W. Pleasant Drive
Friday, April 19, 2019	City Hall Closed in observance of Good Friday
April 22 – 30, 2019 Hours and additional voting sites listed on city website hursttx.gov or Tarrantcounty.com/elections	City General and Bond Election – Early Voting Hurst Recreation Center, 700 Mary Drive
Saturday, April 27, 2019 1:00 – 5:00 p.m.	Bellaire Event Series – Spring Celebration 300-600 East Pipeline Road
Saturday, May 4, 2019 7:00 a.m. – 7:00 p.m.	City General and Bond Election Day Hurst Public Library, 901 Precinct Line Road
Monday, May 27, 2019	City Hall Closed in observance of Memorial Day