Town of Sunnyvale

Town Council
Monday, June 11, 2012

Special Meeting
6:00 p.m.

Regular Meeting
7:00 p.m.
CALL TOWN COUNCIL MEETING TO ORDER

EXECUTIVE SESSION
Recess into executive session pursuant to Chapter 551, Subchapter D of the Texas Government Code:

EXECUTIVE SESSION AGENDA:

A. SECTION 551.071 – PENDING LITIGATION CONSULTATION WITH ATTORNEY
   1. ICP VS. TOWN OF SUNNYVALE
   2. VULCAN VS. TOWN OF SUNNYVALE

END OF EXECUTIVE SESSION
Reconvene into open session and take any action necessary as a result of the Executive Session.

CONSIDER ANY OFFICIAL ACTION ON THE EXECUTIVE SESSION CLOSED MEETING ITEMS:

A. SECTION 551.071 – PENDING LITIGATION CONSULTATION WITH ATTORNEY
   1. ICP VS. TOWN OF SUNNYVALE
   2. VULCAN VS. TOWN OF SUNNYVALE

ADJOURN

ALL LOCATIONS IDENTIFIED ARE IN THE TOWN OF SUNNYVALE UNLESS OTHERWISE INDICATED. FOR A DETAILED PROPERTY DESCRIPTION, PLEASE CONTACT THE BUILDING OFFICIAL AT TOWN HALL. ALL ITEMS ON THE AGENDA ARE FOR POSSIBLE DISCUSSION AND ACTION. PLEASE TURN OFF ALL TELEPHONES AND HANDHELD COMMUNICATION DEVICES WHILE IN ATTENDANCE AT THIS MEETING.

THE SUNNYVALE TOWN COUNCIL RESERVES THE RIGHT TO ADJOURN INTO EXECUTIVE SESSION AT ANY TIME DURING THE COURSE OF THIS MEETING TO DISCUSS ANY OF THE MATTERS LISTED ABOVE, AS AUTHORIZED BY TEXAS GOVERNMENT CODE SECTION 551.071 (CONSULTATION WITH ATTORNEY), 551.072 (DELIBERATION ABOUT REAL PROPERTY), 551.073 (DELIBERATIONS ABOUT GIFTS AND DONATIONS), 551.074 (PERSONNEL MATTERS), 551.076 (DELIBERATIONS ABOUT SECURITY DEVICES), AND 551.086 (ECONOMIC DEVELOPMENT).
THE TOWN OF SUNNYVALE IS COMMITTED TO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA). REASONABLE ACCOMMODATIONS AND EQUAL ACCESS TO COMMUNICATIONS WILL BE PROVIDED TO THOSE WHO PROVIDE NOTICE TO THE DIRECTOR OF COMMUNITY SERVICES AT 972-226-7177 AT LEAST 48 HOURS PRIOR TO THE MEETING.

THE FOREGOING NOTICE WAS POSTED IN THE FOLLOWING LOCATIONS:

SUNNYVALE ISD 417 E. TRIPP ROAD
SUNNYVALE LIBRARY AT 402 TOWER PLACE

I HEREBY CERTIFY THAT THE FOREGOING NOTICE WAS POSTED ON JUNE 8, 2012, IN THE FOLLOWING LOCATIONS AND REMAINED SO POSTED CONTINUOUSLY FOR AT LEAST 72 HOURS PRECEDING THE SCHEDULED TIME OF SAID MEETING:

TOWN HALL AT 127 N. COLLINS ROAD

______________________________
LESLEI MALONE, TOWN SECRETARY
INVOCATION

PLEDGE OF ALLEGIANCE

CALL MEETING TO ORDER
Mayor calls the Meeting to order, state the date and time. State Councilmember’s present and declare a quorum present.

PUBLIC FORUM
Citizens may speak on any matter other than personnel matters or matters under litigation. No Town Council actions or discussion will be taken until such matter is placed on the agenda and posted in accordance with law.

DISCUSSION/ACTION ITEMS

1. CONSIDER ORDINANCE NO. 12-08: AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS, CALLING A JOINT PUBLIC HEARING OF THE TOWN PLANNING AND ZONING COMMISSION AND TOWN COUNCIL TO CONSIDER AN APPLICATION FOR AMENDMENT TO AN APPROVED CONCEPT PLAN FOR AN ATTACHED HOUSING COMMERCIAL (AHC) DISTRICT LOCATED ON A PORTION OF THE PROPERTY GENERALLY DESCRIBED AS 201 PLANTERS ROAD IN SUNNYVALE; CONSISTENT WITH TEXAS LOCAL GOVERNMENT CODE CHAPTER SECTIONS 211; PROVIDING FOR A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

2. CONSIDER ORDINANCE NO. 12-09: AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING CHAPTER 13,"UTILITIES", OF THE SUNNYVALE CODE OF ORDINANCES BY ADDING ARTICLE 13.1400, CROSS-CONNECTION CONTROL; PROVIDING A PENALTY CLAUSE, AND A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

3. CONSIDER ORDINANCE NO. 12-10: AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING CHAPTER APPENDIX A, FEE SCHEDULE, OF THE TOWN OF SUNNYVALE CODE OF ORDINANCES BY ADDING SECTION 8.3000, CROSS-CONNECTION CONTROL AND PREVENTION FEES, ADDING A SEVERABILITY AND SAVINGS CLAUSE, AND PROVIDING AN EFFECTIVE DATE.
4. CONSIDER RESOLUTION NO. 12-12: A RESOLUTION DENYING THE MID-TEX DIVISION OF ATMOS ENERGY CORPORATION’S STATEMENT OF INTENT TO CHANGE THE GAS UTILITY RATES IN THE MUNICIPALITY, SO THAT THE COMPANY MAY PURSUE A SYSTEM-WIDE RATE CASE WITH THE RAILROAD COMMISSION OF TEXAS; PROVIDING AN EFFECTIVE DATE; PROVIDING FOR NOTICE HEREOF TO THE MID-TEX DIVISION OF ATMOS ENERGY CORPORATION; AND FINDING AND DETERMINING THAT THE MEETING AT WHICH THIS RESOLUTION IS PASSED IS OPEN TO THE PUBLIC AS REQUIRED BY LAW.

5. BOARD AND COMMISSION REPORT – 4A DEVELOPMENT CORPORATION
   a. Introduction of Newly Appointed Economic Development Coordinator, Severyn Brandau
   b. Presentation and discussion of proposed Economic Development Action Plan

6. PRESENTATION OF CASH HANDLING AND INTERNAL CONTROLS ASSESSMENT – TOWN STAFF AND WEBB WATCH

7. MAYOR AND COUNCIL REQUESTS FOR FUTURE STAFF UPDATES AND AGENDA ITEMS

ADJOURN

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TOWN HALL AT 127 N. COLLINS ROAD

______________________________
LESLIE MALONE, TOWN SECRETARY
**Subject:**

Ordinance No. 12-08 - Calling a special joint public hearing with the Town Council and Planning and Zoning Commission.

**Background:**

The Town has received an application from VCZ Development for an amendment to a previously approved concept plan for the property at 201 Planters Road. A concept plan amendment requires public hearings and consideration by the Planning and Zoning Commission and Town Council. The attached ordinance simply calls for a joint public hearing of both bodies for July 9, 2012 to consider the proposed concept plan amendment. Proper notice will be sent to adjacent property owners for these hearings if this ordinance is adopted.

Additionally, staff has recommended a June 25 joint workshop with P&Z and Council to discuss the proposed amendments to the concept plan prior to formal consideration on July 9.

**Recommendation:**

Staff recommends approval of Ordinance 12-08 calling a joint special workshop with P&Z and Council for July 9, 2012.

**Attachments:**

Ordinance No 12-08
ORDINANCE NO: 12-08

AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS, CALLING A JOINT PUBLIC HEARING OF THE TOWN PLANNING AND ZONING COMMISSION AND TOWN COUNCIL TO CONSIDER AN APPLICATION FOR AMENDMENT TO AN APPROVED CONCEPT PLAN FOR AN ATTACHED HOUSING COMMERCIAL (AHC) DISTRICT LOCATED ON A PORTION OF THE PROPERTY GENERALLY DESCRIBED AS 201 PLANTERS ROAD IN SUNNYVALE; CONSISTENT WITH TEXAS LOCAL GOVERNMENT CODE CHAPTER SECTIONS 211; PROVIDING FOR A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town of Sunnyvale, Texas, hereinafter called "Town," is authorized by Chapter 211 of the Texas Local Government Code to hold a joint public hearing of the Town Council and Planning and Zoning Commission to adopt amendments to zoning regulations;

WHEREAS, Section 211.007(b) authorizes the conduct of a joint public hearing of the Town Planning and Zoning Commission and the Town Council; and

WHEREAS, Section 23.3 of the Zoning Ordinance also authorizes such joint public hearing; and

WHEREAS, VCZ Development LLC, representing the owner of a portion of the property generally described as 201 Planters Road in Sunnyvale, Texas, and which is presently zoned as an Attached Housing Commercial (AHC) District, has filed applications to amend a previously approved concept plan; and

WHEREAS, the Town Council finds and concludes that all such concept plan amendment should be jointly considered together by the Council and the Town Planning and Zoning Commission in the interest of the public and to ensure the health, safety, morals and general welfare of the Town; and

WHEREAS, the Town Council seeks to convene a joint meeting of the Planning and Zoning Commission and the Town Council during which public testimony will be heard concerning the proposed concept plan amendments; and

WHEREAS, this matter came on before the Town Council at its regular meeting of June 11, 2012;

NOW THEREFORE BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE, TEXAS:

Section 1: Incorporation of Recitals. That all of the above premises are found to be true and correct and are incorporated into the body of this ordinance as if copied in their entirety.
Section 2: Joint Public Hearing. That a public hearing will be jointly held with Town Council and the Planning and Zoning Commission at 7:00 p.m. on July 9, 2012, in the Council Chambers of Sunnyvale Town Hall, 127 Collins Road, Sunnyvale, Texas, to hear public testimony and to consider and act upon a proposed amendment to a previously approved concept plan for an Attached Housing Commercial (AHC) District for a portion of the property generally described as 200 Planters Road in Sunnyvale, Texas, and

Section 3: Notice. The Town Manager hereby is directed to give public notice of the joint public hearing to be convened by the Town Planning and Zoning Commission and the Town Council, and to notify adjoining property owners in accordance with Texas Local Gov’t Code Chapter 211 and the Zoning Ordinance.

Section 4: Severability. It is hereby declared to be the intention of the Town Council that if any phrase, clause, sentence, paragraph or section of this Ordinance is declared unconstitutional or invalid by judgment or decree of a Court of competent jurisdiction, then such unconstitutionality or invalidity shall not affect any other remaining phrase, clause, sentence, paragraph or section of this Ordinance; and the Town Council hereby declares it would have passed the remaining portions even though it had known the affected parts would be held unconstitutional or invalid.

Section 5: Effective Date. This Ordinance shall take effect immediately upon the date of its passage.

PASSED, AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE, TEXAS on this the 11th day of June, 2012.

APPROVED:

___________________________
Jim Phaup, Mayor

ATTEST:

___________________________
Leslie Malone, Town Secretary
Subject:

Ordinance No. 12-09 - Creating a Backflow Prevention Program

Background:

As you know the creation of backflow prevention program was in this year's budget. Staff has been working with our consultant, Hardin & Associates, on the program represented in the attached Ordinance. Consultants and Staff will present this information to Council on Monday night.

Recommendation:

Staff recommends approval of Ordinance 12-09.

Attachments:

Ordinance No 12-09
ORDINANCE NO. 12-09

AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING CHAPTER 13,"UTILITIES", OF THE SUNNYVALE CODE OF ORDINANCES BY ADDING ARTICLE 13.1400, CROSS-CONNECTION CONTROL; PROVIDING A PENALTY CLAUSE, AND A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town Council of the Town of Sunnyvale, Texas believes preserving the integrity of public potable water supplies is essential to public health, safety and welfare; and

WHEREAS, connections to a public potable water supply system which are not sufficiently protected to prevent pollution or contamination from entering the public system through those connections are a potential hazard to public health, safety and welfare, and

NOW, THEREFORE, BE IT ORDAINED THAT:

SECTION I

Chapter 13, Utilities, of the Town of Sunnyvale, Texas Code of Ordinances is hereby amended by adding article 13.14 to read as follows:

ARTICLE 13.1400 CROSS-CONNECTION CONTROL

13.1401 - Cross-connection control purpose
13.1402 - Definitions
13.1403 - Backflow prevention assembly requirements
13.1404 - Fire protection systems
13.1405 - Fire hydrant protection
13.1406 - Mobile units
13.1407 - Plumbing code
13.1408 - Thermal expansion
13.1409 - Pressure loss
13.1410 - Compliance for landscape irrigation
13.1411 - Rainwater harvesting
13.1412 - Residential service connections
13.1413 - Interconnections
13.1414 - Multiple connections
13.1415 - Customer service inspection
13.1416 - Certification of customer service inspections
13.1417 - Certification of backflow prevention assembly tester
13.1418 - Licensed backflow prevention assembly tester responsibilities
13.1419 - Fees
13.1420 - Testing of assemblies
13.1421 - Maintenance of assemblies
Section 13.1401  Cross-connection control purpose.

No water connection from any public drinking water supply system shall be connected to any condensing, cooling, or industrial process or any other system of nonpotable usage over which the public water supply system officials do not have sanitary control. The purpose of a Cross-Connection Control Program is to promote the public health, safety, and welfare by regulations designed to:

(a) Protect the public potable water supply of the Town of Sunnyvale from the possibility of contamination or pollution by isolating within a customer’s internal distribution systems or a customer’s private water systems contaminants or pollutants that could backflow into the public water system.

(b) Promote the elimination or control of existing cross-connections, whether actual or potential, between a customer’s in plant potable water system(s) and nonpotable water system(s), plumbing fixtures, and industrial piping system(s).

(c) Provide for the maintenance of a continuing program of cross-connection control which will systematically and effectively prevent the contamination or pollution of the Town’s potable water system.


Section 13.1402  Definitions.

For the purpose of this Ordinance, the following definitions shall apply unless the context clearly indicates or requires a different meaning. If a word or term used in this Ordinance is not contained in the following list, its definition, or other technical terms used, shall have the meanings or definitions listed in the most recent edition of the Manual of Cross-Connection Control published by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California.

Air gap. Shall mean a physical separation between the free flowing discharge end of a potable water supply piping and/or appurtenance and an open or non-pressure receiving vessel, plumbing fixture or other device. An “approved air-gap separation” shall be at least twice the diameter of the supply pipe measured vertically above the overflow rim of the vessel, plumbing fixture or other device in no case less than one inch.
Approved backflow prevention assembly or backflow assembly or assembly. Means an assembly to prevent backpressures or prevent backsiphonage and which is listed as an approved assembly by the University of Southern California (USC) Foundation for Cross-Connection Control and Hydraulic Research or similar rating or standards organization recognized by the Managing Director.

Approved Fire Sprinkler Contractor. Shall mean a person or entity holding a certificate of registration as such issued by the Texas State Fire Marshal’s Office.

Atmospheric vacuum breaker backflow prevention device or atmospheric vacuum breaker or AVB. Shall mean a device used to prevent backsiphonage in non-health hazard conditions. This device cannot be tested and cannot prevent backpressure backflow.

Auxiliary supply. Shall mean any water source or system other than the public water system, that may be available in the building or on the property, including ground water or surface waters used for industrial, irrigation or any other purpose.

Backflow. Means a flow in a direction opposite to the normal flow or the introduction of any foreign liquids, gases, or substances into the public water system.

Backflow Assembly Tester or General Tester or Tester. Shall mean a tester who is qualified to test backflow prevention assemblies on any domestic, commercial, industrial or irrigation service except firelines. Recognized backflow prevention assembly testers shall have completed a TCEQ Executive Director approved course on cross-connection control and backflow prevention assembly testing, pass an examination administered by the TCEQ Executive Director, and hold a current license as a backflow prevention assembly tester.

Backflow prevention assembly or assembly. Shall mean an assembly to counteract back pressure or prevent backsiphonage.

Backpressure. Shall mean any elevation of pressure in the downstream piping system (by any means) above the supply pressure at the point of consideration which would cause, or tend to cause, a reversal of the normal direction of flow and the introduction of fluids, mixtures or substances from any source other than the intended source.

Backsiphonage. Shall mean the flow of water or other liquids, mixture or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by a sudden reduction of pressure in the potable water supply system.

Boresight or boresight to daylight. Means providing adequate drainage for backflow prevention assemblies installed in vaults through the use of an unobstructed drain pipe.
Commercial establishment. Shall mean property or location which is used primarily for manufacture, production, storage, wholesaling or retailing of services which is or may be placed in the flow of commerce or any property or location which is used primarily for the provision of any service.

Contamination or contaminate. Means the entry into or presence in a public water supply system of any substance which may be harmful to health or to the quality of the water.

Cross-connection. Means any physical arrangement where a potable water supply is connected, directly or indirectly (actually or potentially), to or with any non-potable water system or source, used water system or auxiliary water supply, sewer, drain conduit, swimming pool, storage reservoir, plumbing fixture, swamp coolers, air conditioner units, fire protection system, or any other assembly which contains, or may contain, contaminated water, sewage, or other liquid of unknown or unsafe quality which may be capable of imparting contamination to the public water system as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or change-over assemblies, or other temporary or permanent assemblies through which, or because of which, backflow may occur are considered to be cross-connections.

Cross-connection control device. Shall mean any nationally approved or recognized device placed upon any connection, physical or otherwise, between a potable water supply system and any plumbing fixture or any tank receptacle, equipment or device, which is designed to prevent nonpotable, used, unclean, polluted and contaminated water, or other substances, from entering into any part of such potable water system under any condition or set of conditions.

Customer Service Inspection. Shall mean an examination of the private water distribution facilities for the purpose of providing or denying water service. The inspection is limited to the identification and prevention of cross-connection potential contamination hazards, and illegal lead materials.

Degree of hazard. Means the hazard classification (health or non-health) assigned to an actual or potential cross-connection.

Double check detector backflow prevention assembly or double check detector or DCDA. Shall mean an assembly composed of a line-size approved double check assembly with bypass containing a specific water meter and an approved double check valve assembly. The meter shall register accurately for very low rates of flow.

Double check valve backflow prevention assembly or double check assembly or double check. Means an assembly which consists of two independently operating check valves which are spring-loaded or weighted, a gate valve on each side of the checks, and test cocks to test the checks for tightness.
**Fireline Tester.** Shall mean a tester who is employed by a state approved fireline contractor and is qualified to test backflow prevention assemblies on firelines.

**Health hazard.** Means an actual or potential threat of contamination of a physical, chemical, biological or toxic nature to the public water system or a consumer’s potable water system that would present a danger to health.

**Inspector.** Means a person who is recognized by the Town of Sunnyvale as a licensed inspector under the provisions of this Ordinance.

**Irrigator.** A person who sells, designs, offers consultations regarding, installs, maintains, alters, repairs, services or supervises the installation of an irrigation system, including the connection of such system to a private or public, raw or potable water supply system or any water supply, and who is required to be licensed under Title 30 Texas Administrative Code (30 TAC) Chapter 344.1 Landscape Irrigation.

**Managing Director.** Shall mean the Town Manager or his designee who is vested with the authority and responsibility for the implementation of an effective Cross-Connection Control Program and for the enforcement of the provisions of this Ordinance.

**Mobile unit.** Shall mean any operation, which may have the potential to introduce contaminants into a potable water system from a mobile source. These include, but are not limited to, carpet-cleaning vehicles, water-hauling vehicles, street-cleaning vehicles, liquid-waste vehicles, power-wash operations and pest control vehicles.

**Non-health hazard.** Shall mean an actual or potential threat to the physical properties of the water system or the potability of the public or consumer’s potable water system but which would not constitute a health hazard as defined. Maximum degree of intensity of pollution which the potable water system could be degraded under this definition would cause a nuisance or be aesthetically objectionable or could cause damage to the system or its appurtenances.

**Non-residential use.** Shall mean water used by any person other than a residential customer of the water supply and include all uses not specifically included in “residential uses” as defined in the Town of Sunnyvale Comprehensive Zoning Ordinance.

**Point-of-use isolation.** Shall mean the appropriate backflow prevention within the consumer’s water system at the point at which the actual or potential cross-connection exists.

**Potable water.** Means any water supply intended or used for human consumption or other domestic use.

**Premises.** Means any real property to which water is provided, including all improvements, buildings, mobile and other structures located on it.
**Premises containment.** Means backflow prevention at the service connection between the public water system and the water user.

**Premises isolation.** Means backflow prevention at the point of use internally on the customer’s premise.

**Pressure vacuum breaker backflow prevention assembly or pressure vacuum breaker or PVB.** Shall mean an assembly which provides protection against backsiphonage, but does not provide adequate protection against backpressure backflow. The assembly is a combination of a single check valve with an AVB and can be used with downstream resilient seated shutoff valves. In addition, the assembly has suction and discharge gate valves and resilient seated test cocks which allows the full testing of the assembly.

**Private water supply.** Shall mean any water supply including a well on or available to the premises other than the Town water supply. These auxiliary waters may include water from another purveyor’s public water supply or any natural source such as a well, spring, river, ponds, etc.

**Public water system or system.** Means any public or privately owned water system which supplies water for public domestic use including all service lines, reservoirs, facilities, and any equipment used in the process of producing, treating, storing or conveying water for public consumption.

**Reduced pressure principle backflow prevention assembly or reduced pressure principle assembly or RP assembly or RP.** Shall mean an assembly containing two independently acting approved check valves, a hydraulically-operated, mechanically independent pressure differential relief valve located between the check valves and at the same time below the first check valve, and including properly located test cocks and tightly closing shut-off valves at each end of the assembly.

**Reduced pressure principle detector backflow prevention assembly or reduced pressure detector or RPDA.** Shall mean an assembly composed of a line-size approved reduced pressure principle assembly with a bypass containing a specific water meter and an approved reduced pressure principle backflow prevention assembly. The meter shall register accurately for very low rates of flow.

**Residential use.** Shall mean water used by any residential customer of the water supply and include single family dwellings, duplexes, multiplex, housing and apartments where the individual units are each on a separate meter; or, in cases where two or more units are served by one meter, the units are full-time dwellings.

**Service connection.** Is the point of delivery at which the public water system connects to the private supply line or lateral of a water user.
Spill-resistant pressure vacuum breaker or SVB. Shall mean an assembly containing an independently operating, internally loaded check valve and independently operating, loaded air inlet valve located on the discharge side of the check valve. This assembly is to be equipped with a properly located resilient seated test cock and tightly closing resilient seated shutoff valves attached at each end of the assembly.

System hazard. Means any actual or potential threat of severe danger to the physical properties of the public or consumer’s potable water supply or of a pollution or contamination that would have a detrimental effect on the quality of the potable water in the system.

TCEQ. Means Texas Commission on Environmental Quality.

Thermal expansion. Means heated water that does not have the space to expand.

Town. Shall mean the Town of Sunnyvale, Dallas County, Texas.

Used water. Means water supplied by a public water system to a water user’s system after it has passed through the service connection.

Water Use Survey. Shall mean a survey conducted or caused to be conducted by the local authority designed to identify any possible source’s of contamination to the potable water supply.

Section 13.1403 Backflow prevention assembly requirements.

(a) The backflow prevention assembly protection which is required under this Ordinance shall be any of the duly nationally recognized and authorized backflow prevention assemblies listed in a State of Texas approved Plumbing Code or as determined by the Town of Sunnyvale. Each backflow prevention assembly must have been approved by the Town of Sunnyvale prior to installation. Failure to obtain such approval prior to installation of the backflow prevention assembly may result in the backflow prevention assembly failing to meet the final approval by the Town of Sunnyvale. The Town shall determine the type and location of backflow assembly to be installed within the area serviced by the Town of Sunnyvale.

(b) With the approval of the Managing Director, a licensed backflow assembly tester employed by or under contract or with the Town shall determine the type and location of any backflow assembly to be installed within the Town's water service area. The assembly shall be required in each of the following circumstances, but the tester is in no way limited to the following circumstances:

(1) When the nature and extent of any activity at a premises, or the materials or equipment used in connection with any activity at a premises, or
(2) When a premises has one or more cross-connections.

(3) When internal cross-connections are present that are not correctable.

(4) When intricate plumbing arrangements are present that make it impractical to ascertain whether cross-connections exist.

(5) When a premises has a repeated history of cross-connections being established or re-established.

(6) When entry to a premises is restricted so that inspections for cross-connections cannot be made with sufficient thoroughness or frequency to assure that cross-connections do not exist.

(7) When materials are being used such that, if backflow should occur, a health hazard could result.

(8) When installation of an approved backflow prevention assembly is determined by an inspector to be necessary to accomplish the purpose of these regulations.

(9) When an appropriate Customer Service Inspection (CSI) has not been filed with the Managing Director.

(10) On all multi-story buildings or any building with a booster pump or elevated storage tank.

(11) For any used water return system that has received approval from the Managing Director.

(c) In all new non-residential construction the Managing Director has the authority to require an approved backflow assembly at the service connection. The type of the assembly will correspond to the degree of hazard as determined by the Managing Director. At any residence or establishment where an actual or potential contamination hazard exists and an adequate internal cross-connection control program is in effect, backflow protection at the water service entrance or meter may be required.

(d) When a building is constructed on commercial premises, and the end use of such building is not determined or could change, a reduced pressure principle backflow prevention assembly shall be installed at the service connection to provide protection of the public water supply in the event of the most hazardous
use of the building. The use of a backflow prevention assembly at the service connection shall be considered as additional backflow protection and shall not negate the use of backflow protection on internal hazards as outlined and enforced by local plumbing codes.

(e) If a point-of-use assembly has not been tested or repaired as required by this Ordinance, the installation of a reduced pressure principle assembly will be required at the service connection.

(f) If an inspector determines that additions or rearrangements have been made to the plumbing system of a premises without the proper permits as required by the Plumbing Code, premises containment shall be required.

(g) Retrofitting shall be required on all point-of-use health hazard connections and wherever else the Managing Director determines that retrofitting is necessary due to circumstances that indicate that cross-connection is likely to occur unless a back-flow prevention assembly is installed.

(h) All backflow prevention assemblies installed after the effective date of this Ordinance shall be installed in a manner designed to facilitate ease of inspection by the Town of Sunnyvale. Any currently installed backflow prevention assemblies which, are located in inaccessible locations, or where the tester is subject to physical danger, shall be relocated to approved locations following installation guidelines of this Ordinance.

(i) An approved double detector check valve assembly shall be the minimum protection on all new fire sprinkler systems following the installation guidelines found in TCEQ RG-345. An RP assembly shall be installed if any solution other than potable water can be introduced into the sprinkler system. Retrofitting shall be required on all health hazard systems, where improper maintenance has occurred, and wherever an inspector determines that such measures are necessary under the conditions found by the inspector.

Section 13.1404 Fire protection systems.

(A) Commercial

All new and existing fire protection systems which utilize the Town’s potable water supply shall have installed an approved backflow prevention device according to the degree of hazard.

An approved double check detector backflow prevention assembly (DCDA) or reduced pressure detector assembly (RPDA) shall be the minimum protection for the fire sprinkler systems a (RPDA) must be installed if any solution other than potable water can be introduced into the sprinkler system.
(1) It is the responsibility of all property owners and persons in charge of any premises to abide by the conditions of this ordinance. In the event of any changes to the plumbing system, it is the responsibility of the property owners to notify the Town in writing of the change. Notification shall be sent to the attention of the Managing Director. All costs associated with this article and the purchase, installation, testing and repair of a (DCDA) or (RPDA) device is the responsibility of the property owner and persons in charge of any premises. Only approved fireline testers registered with the Town of Sunnyvale are authorized to test fireline devices.

(2) Upon the approved installation of the DCDA or RPDA device, a cross-connection test report completed by a Fireline Tester, shall be sent to the attention of the Managing Director and include the information required by this ordinance.

(3) Retrofitting shall be required when the water supply in a certain area has been contaminated and the fire protection system has contributed to the contamination and when an authority having jurisdiction to protect the potable water supply mandates a fail-safe system.

(4) Backflow prevention assembly testers may test and repair assemblies on firelines only if they are permanently employed by an Approved Fire Sprinkler Contractor. The State Fire Marshal’s Office requires that any person performing maintenance on firelines must be a fulltime employee of an approved Fire Sprinkler Contractor.

(B) Residential

All new and existing fire protection systems which utilize the Town’s potable water supply shall have installed an approved backflow prevention device according to the degree of hazard.

An approved double check backflow prevention assembly (DC) or reduced pressure assembly (RP) shall be the minimum protection for the fire sprinkler systems a (RP) must be installed if any solution other than potable water can be introduced into the sprinkler system. All health hazard classified residential fire suppression systems shall be required to conduct annual testing.

(1) It is the responsibility of all property owners and persons in charge of any premises to abide by the conditions of this ordinance. In the event of any changes to the plumbing system, it is the responsibility of the property owners to notify the Town in writing of the change. Notification shall be sent to the attention of the Managing Director. All costs associated with this article and the purchase, installation, testing and repair of a (DC) or (RP) device is the responsibility of the property owner and persons in charge of any premises. Only approved Fireline Testers registered with the Town of Sunnyvale are authorized to test fireline devices.
Upon the approved installation of the DC or RP device, a cross-connection test report completed by a Fireline Tester, shall be sent to the attention of the Managing Director and include the information required by this ordinance.

Retrofitting shall be required when the water supply in a certain area has been contaminated and the fire protection system has contributed to the contamination and when an authority having jurisdiction to protect the potable water supply mandates a fail-safe system.

Backflow prevention assembly testers may test and repair assemblies on firelines only if they are permanently employed by an Approved Fire Sprinkler Contractor. Any person performing maintenance on firelines must be a fulltime employee of an Approved Fire Sprinkler Contractor.

Section 13.1405 Fire hydrant protection.

A double check shall be the minimum protection for fire hydrant water meters which are being used for a temporary water supply during any construction or other uses which would pose a potential hazard to the public water supply.

(a) It is the responsibility of all persons engaging in the use and rental of a fire hydrant water meter to abide by the conditions of this Ordinance. All fire hydrant water meter rentals shall meet the current requirements as provided for by the Town.

(b) Only Town of Sunnyvale fire hydrant water meters with approved backflow prevention assemblies are allowed to be used within the Town limits.

(c) A refundable deposit (See Cross-Connection Control Fees) is required to insure the return of all water meters and backflow assemblies to the Town. Failure to return the assemblies can result in the forfeiture of deposit and enforcement action being taken against the responsible party, as allowed for in the enforcement section in this Ordinance.

(d) All non-approved fire hydrant meters which are found to be in use in the Town of Sunnyvale will be confiscated and enforcement action taken against the responsible party.

(e) It is the responsibility of all persons engaging in the use and rental of a fire hydrant water meter to ensure that the device is returned for annual testing as required by Section 13-1420 (a) of this Ordinance.

(f) A Town of Sunnyvale test report must be completed by a recognized backflow prevention assembly tester for each assembly tested. The signed and dated original must be submitted to the Managing Director for recordkeeping purposes.
(g) Failure to submit an annual test report can result in enforcement action being taken against the responsible party, as allowed for in the enforcement section of this Ordinance.

Section 13.1406 Mobile units.

The connection of a mobile unit to any potable water system is prohibited unless such connection is protected by an air gap or an approved backflow prevention assembly. Prior approval and annual device testing of any backflow prevention assembly must be received from the Town before connecting to any potable water system.

Section 13.1407 Plumbing code.

As a condition of water service, a customer shall install, maintain, and operate the customer’s piping and plumbing systems in accordance with the Plumbing Code provisions adopted by the Town of Sunnyvale. In the event of a conflict between this Ordinance and the Plumbing Code, the more restrictive provision shall apply.

Section 13.1408 Thermal expansion.

It shall be the responsibility of the premises owner to eliminate the possibility of thermal expansion, if a closed system has been created by the installation of a backflow assembly.

Section 13.1409 Pressure loss.

Any water pressure drop caused by the installation of a backflow assembly shall be the responsibility of the premises owner and not the Town.

Section 13.1410 Compliance for landscape irrigation systems.

(a) For all landscape irrigation system installations a permit shall be required. Such permit shall be issued by the Building Inspection Department. Installation requirements must comply with the current Town plumbing code or guidelines for appropriate device found in this Ordinance.

(b) Any irrigation system that is connected to a public or private potable water supply must be connected through a TCEQ approved backflow prevention method. The backflow prevention device must be approved by the American Society of Sanitary Engineers; or the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California; or the Uniform Plumbing Code; or any other laboratory that has equivalent capabilities for both the laboratory and field evaluation of backflow prevention assemblies. The backflow prevention device must be installed in accordance with the laboratory
approval standards or if the approval does not include specific installation information, the manufacturer’s current published recommendations.

(c) Backflow prevention devices used in applications designated as health hazards must be tested upon installation and annually thereafter. Before any chemical is added to an irrigation system connected to any potable water supply, the irrigation system must be connected through a reduced pressure principle backflow prevention assembly or air gap.

(d) Connection of more than one water source to an irrigation system presents the potential for contamination of the potable water supply if backflow occurs. Therefore, connection of any additional water source to an irrigation system that is connected to the potable water supply can only be done if the irrigation system is connected to the potable water supply through a reduced pressure principle backflow prevention assembly or an air gap.

(e) If an irrigation system is connected to a potable water supply and requires major maintenance, alteration, repair, or service, the system must be connected to the potable water supply through an approved, properly installed backflow prevention method as defined in this Ordinance before any major maintenance, alteration, repair, or service is performed.

(f) The irrigator shall ensure the backflow prevention device is tested prior to being placed in service and the test results provided to the Managing Director.

Section 13.1411 Rainwater harvesting.

If a rainwater harvesting system is interconnected an approved backflow prevention assembly must be installed to prevent nonpotable water from entering the potable system. All piping that contains nonpotable water must be labeled (UNTREATED RAINWATER – DO NOT DRINK) and an air gap or reduced pressure principle backflow assembly be installed to protect the potable water system.

Section 13.1412 Residential service connections.

A residential premise that has been determined to have an actual or potential cross-connection shall be equipped with an approved backflow prevention assembly installed in accordance with this Ordinance. This device can be required to be installed either at the customer meter or at the point of use at the expense of the owner/occupant and shall conform to the device testing requirements as provided in this Ordinance.

Section 13.1413 Interconnections.

No physical connection between the distribution system of a public drinking water supply and that of any other water supply shall be permitted unless the other water supply is of a
safe, sanitary quality and the interconnection is approved by the Managing Director. Any requirements for backflow prevention assemblies at the point of the interconnection shall be at the expense of the requestor.

Section 13.1414 Multiple connections.

Any premises requiring multiple service connections for adequacy of supply and/or fire protection shall have a backflow assembly on each service connection. The assembly shall be commensurate with the degree of potential hazard that could occur in the event of an interconnect between any of the buildings on the premises.

Section 13.1415 Customer service inspection.

A Customer Service Inspection (CSI) is an examination of the private water distribution facilities for the purpose of providing or denying water service.

Permanent water service to a new facility will not be granted until the requirements of the Customer Service Inspection (CSI) have been met.

Before the Town provides continuous or permanent water service to a premise, a Customer Service Inspection for cross-connection control shall be completed and, pursuant to Rule 290.46(j) of the TCEQ Rules and Regulations of Public Water Systems. A customer service inspection certification form shall be completed and filed with the Managing Director under each of the following circumstances:

(a) New construction.

(b) Material improvement, correction, or addition to the private water distribution system (defined as plumbing work that requires a permit and involves a major modification to the private water distribution system). The private water system refers to the facilities on the owner's side of the meter.

(c) When the Managing Director believes that a cross-connection or other potential contamination hazards exist. In this case, the Managing Director shall notify the customer to provide justification to the customer for requiring an inspection by specifically identifying the threat that is believed to exist prior to discontinuation of water service.

(d) Failure to meet the CSI requirements can result in denial or termination of water service.

Section 13.1416 Certification of customer service inspectors.

A person who performs Customer Service Inspections or who prepares Customer Service Inspection Certification Forms shall be registered as a licensed customer service inspector with the Town and shall meet all the requirements of Rule 290.46(j)(1) of the TCEQ Rules
and Regulations of Public Water Systems for accreditation as a customer service inspector. The Building Inspection Department conducts all Customer Service Inspections for the Town of Sunnyvale; however, the Town reserves the right to outsource these inspections.

In order to perform the Customer Service Inspections, the Town of Sunnyvale can:

(a) Provide a list of certified inspectors to the customer. The customer then selects and hires an inspector;

(b) Provide qualified employees to perform the inspections at a cost to the customer in order to validate the inspection; or

(c) Hire independent, qualified contractors to perform the inspections.

Section 13.1417 Certification of backflow prevention assembly testers.

(a) The Managing Director has the authority to test or cause the testing of backflow prevention assemblies.

(b) All backflow assembly testers operating within the Town shall be licensed in accordance with all applicable regulations of TCEQ. No person shall operate as a backflow prevention assembly tester within the Town without being annually registered with the Managing Director of the Town.

(c) Persons licensed as backflow prevention assembly testers shall meet the following requirements obtain and maintain TCEQ approved certification as a backflow prevention assembly tester and confined-space entry training certification.

Section 13.1418 Licensed backflow prevention assembly tester responsibilities.

Only approved TCEQ licensed backflow prevention assembly testers can test backflow prevention assemblies in the Town of Sunnyvale.

(a) An annual licensed backflow assembly tester registration shall remain in effect so long as:

(1) The tester maintains eligibility for registration and certification as provided in this Ordinance including continued certification by the TCEQ and timely payment of the annual registration fee.

(b) Upon recertifying, a tester shall renew the tester’s registration with the Managing Director.
(c) An applicant for registration shall:

1. Demonstrate to the Managing Director that the applicant has available the necessary tools and equipment to properly test backflow prevention assemblies;

2. Provide evidence to the Managing Director that the applicant has successfully completed “Permit Confined-Space Entry Training” as specified by the Occupational Safety and Health Administration (29 CFR 1910.146);

3. Identify all test gauges the applicant will use in testing backflow prevention assemblies. Gauges used in the testing of backflow prevention assemblies shall be tested for accuracy annually in accordance with the University of Southern California’s Manual of Cross-Connection Control or the American Water Works Association Recommended Practice for Backflow Prevention and Cross-connection Control (Manual M14). The Town of Sunnyvale shall require testers to include test gauge serial numbers on “Test and Maintenance” report forms and ensure testers have gauges tested for accuracy; and

4. Testers must register annually with the Town, provide proof of TCEQ licensing, and pay an annual, non-refundable tester registration fee. (See Cross-Connection Control Fees.)

(d) A registered backflow prevention assembly tester shall:

1. File the serial number of each of the tester's test kits with the Managing Director;

2. Annually have each recorded test kit tested for accuracy and calibrated to maintain a plus or minus 2% accuracy factor;

3. Perform competent and accurate certifications of each backflow prevention assembly tested and submit complete reports thereof to the Managing Director;

4. A Town of Sunnyvale test report must be completed by a recognized backflow prevention assembly tester for each assembly tested. A copy of the test report form must be submitted to the Managing Director for recordkeeping purposes;

5. Utilize the approved backflow test and maintenance report form or process; and
(6) List registered serial numbers of test gauges on tests and maintenance reports prior to submitting the reports to the Managing Director.

(e) A registered backflow prevention assembly tester shall not change the design or operating characteristics of a backflow prevention assembly.

(f) After notice and hearing, the Managing Director may revoke a registration if the Managing Director determines that the tester:

1. Has made false, incomplete, or inaccurate assembly testing reports;
2. Has used inaccurate gauges;
3. Has used improper testing procedures;
4. Has failed to register the serial numbers of the tester’s test kits or has failed to calibrate gauges annually; or
5. Has violated any other provision of this Ordinance;
6. Upon the discretion of the Managing Director upon notice that inappropriate testing activities have taken place.

Section 13.1419 Fees

Town of Sunnyvale Annual Registration Fee.

There shall be an annual testing registration fee for each separate backflow assembly identified for a property. This fee applies to but is not limited to all newly installed backflow devices, which the Town may choose to randomly, test. If upon inspection or testing of a newly installed backflow prevention assembly, it is deemed not to be working properly, it is the responsibility of the property owners or persons in charge of any premises to make necessary repairs. A retest fee will be assessed for each retest.

Section 13.1420 Testing of assemblies.

(a) All required backflow assemblies shall be tested upon installation by a recognized backflow prevention assembly tester and certified to be operating within specifications. Backflow prevention assemblies which are installed to provide protection against health hazards must also be tested and certified to be operating within specifications at least annually by a recognized backflow prevention assembly tester.
(b) All health hazard backflow prevention assemblies shall be inspected and tested or caused to be inspected and tested by the Town in each of the following circumstances:

1. immediately after installation;
2. a minimum of once a year or as required by the Managing Director;
3. immediately after repair;
4. premises that have been vacated and unoccupied for one year, prior to re-occupancy;
5. whenever the assembly is moved.

(c) All assembly testing shall be performed by a state licensed backflow prevention assembly tester, approved by the Town of Sunnyvale.

(d) Duly authorized employees of the Town bearing proper credentials and identification are entitled to enter any public or private property for the purpose of enforcing this Ordinance. Persons and occupants of the property which are provided water service by the Town, either directly or indirectly, shall allow the Town or its representative’s ready access at all reasonable times to all parts of the property for the purpose of inspection, testing, records examination, or in the performance of their duties. When persons or occupants of the property have security measures in force which would require proper identification and clearance before entry into the property, the persons and occupants of the property shall make necessary arrangements with their security personnel so that upon presentation of suitable identification, personnel from the Town will be permitted to enter, without delay, for the purposes of performing their specific responsibilities.

(e) There shall be a testing fee for each separate backflow prevention assembly on which a test is performed by the Town. This fee applies to but is not limited to all newly installed backflow devices, which the Town may choose to randomly test. If upon inspection or testing of a newly installed backflow prevention assembly it is deemed not to be working properly, it is the responsibility of the property owners and/or persons in charge of any premises to make necessary repairs. A retest fee will be assessed for each retest. (See Fees) The Town shall not be liable for damage to an assembly that occurs during testing.

(f) A cross-connection water use survey may be conducted at any establishment located in the Town which is served by a public water supply or which provides water to the public. Upon determination that the establishment falls under the provisions of this Ordinance and requires a backflow prevention assembly, a
notice to abate the condition or to install the proper backflow prevention assembly shall be issued.

(g) It is the responsibility of the person who owns or controls property to have all assemblies tested in accordance with this Ordinance. Assemblies may be required to be tested more frequently if the Town of Sunnyvale deems necessary.

(h) All results from assembly testing by a licensed backflow prevention assembly tester shall be placed on a form designated by the Town.

Section 13.1421 Maintenance of assemblies.

A person who owns, operates, or manages a premises in which a required backflow prevention assembly is installed shall maintain such assemblies in proper working order at all times, including such repairs as may be necessary to keep the assembly in proper working order. The maintenance and repair of all assemblies shall be done in accordance with the applicable regulations of the TCEQ and this Ordinance. A backflow prevention assembly shall be maintained in a manner that allows the assembly to be tested by a method that has been approved by TCEQ.

Section 13.1422 Installation guidelines and requirements for backflow prevention assemblies.

A backflow prevention assembly shall be installed in accordance with the following requirements in order to ensure the proper operation of and accessibility to the assembly:

(a) General – to ensure proper operation and accessibility of all backflow prevention assemblies, the following national guideline requirements shall apply to the installation of these assemblies.

(1) A backflow prevention assembly shall be installed in accordance with the current TCEQ Rule and these regulations. The assembly installer shall obtain the required plumbing permits prior to installation and shall have the assembly inspected by the Town.

(2) At facilities which require a backflow prevention assembly to be installed at the point of delivery of the water supply, such installation of the assembly must be before any branch in the line, and on private property located just inside the boundary between the Town's right-of-way and the landowner’s property. The Managing Director may authorize other areas for installation of the assembly. Assemblies that must be installed or are located on Town rights-of-way are the responsibility of the business or entity that the water line is serving.
(3) The assembly shall be protected from freezing and other severe weather conditions.

(4) All backflow prevention assemblies shall be of a type and model approved by the Managing Director.

(5) All vertical installations of backflow prevention assemblies shall be approved in writing by the Managing Director prior to installation.

(6) All assemblies installed more than four (4) feet above floor level must have a suitable platform for use by testing or maintenance personnel.

(7) Upon completion of the installation, the Town shall be notified and all assemblies must be inspected and tested. The premises owner shall register all backflow assemblies with the Managing Director by providing the date of installation, the manufacturer, model and serial number of the backflow prevention assembly, and the initial test report for the assembly.

(8) The premises owner assumes all responsibility for any damages resulting from installation, operation, and maintenance of a backflow assembly. The owner shall also see that any vault in which a backflow prevention assembly is contained is kept free of silt and debris that may interfere with the proper operation, inspection or testing of the assembly.

(9) Lines shall be thoroughly flushed prior to installation. A strainer with blowout tapping may be required ahead of the assembly.

(10) Bypass lines are prohibited. Pipefittings which could be used for connecting a bypass line are not allowed.

(11) Premises where an uninterrupted water supply is critical should be provided with two assemblies installed in parallel. They should be sized in such a manner that either assembly will provide the maximum flow required.

(12) All facilities that require continuous, uninterrupted water service and are required to have a backflow assembly must make provisions for the parallel installation of assemblies of the same type so that testing, repair and maintenance can be performed.

(13) All backflow prevention assemblies must be tested in accordance with this Ordinance. Tests are the responsibility of the assembly owner. The owner must notify the Town of Sunnyvale upon installation of any backflow prevention assembly.
(b) Reduced pressure principle backflow prevention assemblies - RPs may be utilized at any premises where a substance is handled that could be hazardous to the public health if introduced into the potable water system. The RP is normally used in locations where an air gap is impractical. The RP shall be effective against both backsiphonage and backpressure.

(1) RPs must be sized to provide an adequate supply of water and pressure for the premises being served.

(2) No part of a reduced pressure principle backflow prevention assembly shall be submerged in water or installed in a location subject to flooding.

(3) RPs are typically installed above grade in well drained areas, but may be installed below grade (ground level) if a boresight drain to daylight is provided. The drain shall be of adequate capacity to carry the full rated flow of the assembly and shall be screened on both ends.

(4) The assembly must be readily accessible for testing and maintenance and shall be located in an area where water damage to buildings or furnishings will not occur from relief valve discharge. The property owner assumes all responsibility for any damage caused by water discharge from an RP assembly. An approved air gap shall be located at the relief valve orifice of RP assemblies. The air gap shall be at least twice the inside diameter of the incoming supply line as measured vertically above the top rim of the drain and in no case less than one (1) inch.

(5) All RP assemblies larger than two (2) inches shall have a minimum of twelve (12) inches clearance on the back side, twenty-four (24) inches clearance on the test cock side, and the relief valve opening shall be at least twelve (12) inches plus nominal size of assembly above the floor or highest possible water level. Headroom of six (6) feet is required in vaults without a fully removable top. A minimum access opening of twenty-four (24) inches square is required on all vault lids. All RP assemblies two (2) inches and smaller shall have at least a six (6) inch clearance on all sides.

(6) Enclosures shall be designed for ready access and sized to allow for the minimum clearances established above. Removable protective enclosures are typically installed on the smaller assemblies. Daylight drain ports must be provided to accommodate full pressure discharge from the assembly.

(7) All RPs must be tested in accordance with this Ordinance. Tests are the responsibility of the assembly owner. The owner must notify the Town of Sunnyvale upon installation of any backflow prevention assembly.
(8) Variances from these specifications will be evaluated on a case-by-case basis. No deviations from this section shall be permitted without prior written approval of the Managing Director.

(c) Reduced pressure principle detector backflow prevention assemblies – RPDAs may be utilized in all installations requiring a reduced pressure principle backflow prevention assembly and detector metering.

(1) RPDAs shall comply with the installation requirements applicable for reduced pressure principle backflow assemblies (RP).

(2) The line-size RP assembly and the bypass RP assembly must each be tested. A separate test report for each assembly must be completed by the certified tester.

(d) Double check valve backflow prevention assemblies – DC’s may be utilized at premises where a substance is handled that would be objectionable but not hazardous to health if introduced into the potable water system.

(1) DCs must be sized to provide an adequate supply of water and pressure for the premises being served.

(2) If a double check valve assembly is installed in a vault, brass plugs shall be maintained in the test ports at all times and adequate drainage shall be provided.

(3) On premises where non-interruption of water supply is critical two assemblies of the same type installed in parallel shall be provided. The assemblies shall be sized in such a manner that either assembly will provide the minimum water requirements while the two together will provide the maximum flow required.

(4) Bypass lines are prohibited. Pipe fittings that could be used for connecting a bypass line shall not be installed.

(5) The assembly shall be readily accessible with adequate room for testing and maintenance. DCs may be installed below grade provided all test cocks are fitted with brass pipe plugs. All vaults containing a DC shall be well drained, constructed of suitable materials, and sized to allow for the minimum clearances established below.

(6) DC assemblies two (2) inches and smaller shall have at least a three (3) - inch clearance below and on both sides of the assembly, and if located in a vault, the bottom of the assembly shall be not more than twenty-four (24) inches below grade. All DC assemblies larger than two (2) inches
shall have a minimum clearance of twelve (12) inches on the back side, twenty-four (24) inches on the test cock side, and twelve (12) inches below the assembly. Headroom of six (6) feet is required in vaults without a fully removable top. A minimum access opening of twenty-four (24) inches square is required on all vault lids.

(7) Vertical installations are allowed on sizes up to and including four (4) inches that meet the following requirements:

   a. The DC assembly shall contain internally spring-loaded check valves;

   b. flow is upward through assembly;

   c. the assembly manufacturer specifies that the assembly can be used in a vertical position; and

   d. the Managing Director authorizes the vertical installation of the DC assembly.

(8) All DCs must be tested in accordance with this Ordinance. Tests are the responsibility of the assembly owner. The owner must notify the Town of Sunnyvale upon installation of any backflow prevention assembly.

(9) Variances from these specifications will be evaluated on a case-by-case basis. No deviations shall be permitted without prior written approval of the Managing Director.

(e) Double detector check valve assembly – DCDAs may be utilized in any installation that requires a double check valve assembly and detector metering.

   (1) DCDAs shall comply with the installation requirements applicable for double check valve assemblies (DCs).

   (2) The line-size DC assembly and the bypass DC assembly must each be tested. A separate test report for each assembly must be completed by the licensed tester.

(f) Pressure vacuum breaker assembly – PVBs may be utilized at point-of-use protection only and only if a substance is handled at the premises where the assembly is installed that could be objectionable but not hazardous to health if the substance introduced into the potable water system. PVBs protect against backsiphonage only and shall not be installed where there is potential for backpressure.
(1) The assembly shall be installed a minimum of twelve (12) inches above the highest use outlet or overflow level downstream from the assembly.

(2) A PVB shall not be installed in an area subject to flooding or where damage could occur from water discharge.

(3) The assembly shall be readily accessible for testing and maintenance, with a minimum clearance of twelve (12) inches all around the assembly. PVBs shall be located between twelve (12) inches and sixty (60) inches above ground level.

(4) All PVBs must be tested in accordance with this Ordinance. Tests are the responsibility of the assembly owner. The owner must notify the Town of Sunnyvale upon installation of any backflow prevention assembly.

(5) Variances from these specifications will be evaluated on a case-by-case basis. No deviations shall be permitted without prior written approval of the Managing Director.

(g) Atmospheric vacuum breaker – AVBs provide minimal protection and are approved for very non-health hazard application only. AVBs protect against backsiphonage only and are prohibited where there is potential for backpressure.

(1) The AVB assembly shall be installed a minimum of six (6) inches above the highest use outlet or overflow level downstream from the assembly.

(2) Shutoff valves downstream from the assembly are prohibited.

(3) An AVB shall be not be used on any application where there is more than twelve (12) hours per day continuous use.

(4) An AVB shall not be installed in an area subject to flooding or where damage may occur from water discharge.

(5) AVBs shall be allowed for point-of-use protection only, in accordance with the plumbing code.

(h) Air gap separation – an air gap separation provides maximum protection from backflow hazards and should be utilized at all locations where “high” hazardous substances are at risk of entering the potable water system when applicable.

(1) An air gap separation shall be at least twice the diameter of the supply pipeline measured vertically above the top rim of the receiving vessel and in no case less than one (1) inch. If splashing may occur, tubular screens
may be attached or the supply line may be cut at a 45° angle. The air gap distance shall be measured from the bottom of the angle. Hoses shall not be allowed.

(2) Air gap separations shall not be altered in any way without prior approval from the Managing Director and must be available for inspection at all reasonable times.

(3) The effective opening shall be the minimum cross-sectional area at the seat of the control valve or the supply pipe or tubing which feeds the assembly or outlet. If two or more lines supply one outlet, the effective opening shall be the sum of the cross-connectional areas of the individual supply lines or the area of the single outlet, which is smaller.

Section 13.1423 Right-of-way encroachment.

(a) No person shall install or maintain a backflow prevention assembly upon or within any Town right-of-way except as allowed by this section.

(b) The Managing Director, with the concurrence of the Director of Engineering, may grant with written authorization, a license to install a backflow prevention assembly required by this Ordinance upon or within a Town right-of-way only if the owner proves to the Town that there is no other feasible location for installing the assembly, and that installing it in the right-of-way will not interfere with traffic, utilities or any other public use of the right-of-way (and obtains a permit from the Town). The Town retains the right to approve the location, height, depth, enclosure and other requisites of the assembly prior to its installation.

(c) All permits and inspections required by the Town code of Ordinance to perform work in the right-of-way shall be obtained.

(d) The assembly shall be installed below or flush with the surrounding grade except when it is not practical to install it in this manner. Any backflow prevention assembly or portion of an assembly which extends aboveground shall be located no closer than eighteen (18) inches to the face of the curb.

(e) The owner of a backflow prevention assembly that has been installed upon or within a Town right-of-way as provided by this section shall, at the request of the Town and at the owner's sole expense, relocate the assembly when such relocation is necessary for street or utility construction or repairs or for purposes of public safety or convenience.

(f) The Town shall not be liable for any damage done to or caused by an assembly installed in the right-of-way.
(g) A person commits an offense if he/she fails to relocate a backflow prevention assembly located in or upon any Town right-of-way after receiving a written notice from the Managing Director.

Section 13.1424 Emergency suspension of utility service.

(a) The customer to whom water service is provided at premises within the Town shall be responsible for the installation, testing, maintenance and repair of all backflow prevention assemblies serving that customer. The Managing Director may, without prior notice, suspend water service to any premises when such suspension is necessary to prevent or stop an actual or threatened backflow which:

(1) presents or may present imminent and substantial danger to the environment or to the health or welfare of any person; or

(2) presents or may present imminent and substantial danger to the Town's public water supply.

(b) As soon as is practicable after the suspension of service, the Managing Director shall notify the customer of the suspension in person or by certified mail, return receipt requested, and shall order such person to correct the cross-connection that allowed the backflow to occur.

(c) The Managing Director shall not reinstate suspended water service until:

(1) The customer presents proof, satisfactory to the Managing Director, that the cross-connection has been eliminated and its cause determined and corrected;

(2) The customer pays the Town for all costs the Town incurred in responding to the backflow or threatened backflow; and

(3) The customer pays the Town for all costs the Town will incur in reinstating service.

(d) Failure on the part of a customer to discontinue the use of a cross-connection and to physically separate a cross-connection is sufficient cause for the immediate discontinuance of public water service to the premises.

(e) A customer whose service has been suspended may appeal such suspension to the Managing Director, in writing, within ten working days of notice of the suspension.

(f) A person commits an offense if the person, without the prior written approval of the Managing Director, reinstates water service to premises for which water service has been suspended pursuant to this section.
Section 13.1425  Non-emergency termination of water supply.

(a) The Managing Director may terminate, after written notice and opportunity for a hearing, the water service of any customer who:

(1) Fails or refuses to install a reduced pressure principle assembly when required by this Ordinance;

(2) Fails or refuses to install and maintain backflow prevention assemblies in compliance with this Ordinance; or

(3) Fails or refuses to install, maintain, and operate the customer's piping and plumbing systems in accordance with the plumbing code.

(b) The Managing Director shall notify the customer of the proposed termination of water service at least ten working days before the proposed termination. The customer may request a hearing on the proposed termination by filing a written request for a hearing with the Managing Director not more than ten days after receipt of notice of the proposed termination.

(c) If water service is terminated, the Managing Director shall not reinstate water service until:

(1) The customer presents proof, satisfactory to the Managing Director, that the backflow condition has been eliminated and its cause determined and corrected; and

(2) The person customer pays the Town for all costs the Town will incur in reinstating service.

Section 13.1426  Access to premises

(a) A commercial water service customer may, in lieu of the mandatory installation of a backflow prevention assembly, provide the Town access during reasonable business hours to the customer's premises for the purpose of determining compliance with the provisions of this Ordinance. Such access shall be unobstructed and safely accessible.

(b) A commercial water service customer who fails or refuses to provide the optional access shall install and maintain a reduced pressure principle assembly at the water service connection to the premises.
Section 13.1427 Enforcement

(a) This Ordinance shall be enforced by the Managing Director or the manager's designated representatives or employees.

(b) The Town shall inspect and initially test, or cause to be tested, all backflow prevention assemblies installed pursuant to the requirements of this Ordinance. For new facilities, permanent water service shall not be provided until all backflow prevention assemblies have been tested and are operational. Except in cases where the testing of backflow prevention assemblies must be delayed until the installation of internal production or auxiliary equipment, the Town of Sunnyvale shall not approve a certificate of occupancy until all backflow prevention assemblies have been tested and are operational and all assembly test reports have been turned in to the Managing Director. The Town shall not be liable for damage caused to any backflow prevention assembly as a result of the inspection or testing.

(c) Violations

(1) A person commits an offense if there is failure to maintain backflow prevention assemblies in compliance with this section.

(2) A person commits an offense if there is failure to comply with a repair order issued by the Town.

(3) A person commits an offense if backflow from premises owned, operated or managed by the person enters the public water supply system.

(4) A person commits an offense if there is a failure to pay any fees required by this Ordinance.

(5) A person commits an offense by violating any section of this Ordinance.

(6) A person commits an offense if discontinued or disconnected water service to premises under this Ordinance is reinstated except as directed by the Town.

(7) A person in charge of any facility commits an offense by allowing an unregistered tester to perform testing work at their establishment.

(8) A person commits an offense by testing backflow prevention assembly within the Town without being registered with the Town of Sunnyvale.
(9) A person commits an offense by testing backflow prevention assembly within the Town without being licensed by the TCEQ.

(10) Using non-approved fire hydrant meters.

(11) Testing Fireline backflow devices without the proper license as stated in the Texas Insurance Code Ordinance 5.43-3 Fire Protection Sprinkler Systems and 28 TAC §§ 34.700 the Fire Sprinkler Rules.

(d) Penalty

(1) A person who violates any provision of this Ordinance is guilty of a misdemeanor and upon conviction is punishable as set forth in Town of Sunnyvale Code Enforcement Ordinance (this will need to be verified with Town), for each act of violation and for each day or part of a day during which the violation is committed, continued or permitted.

(2) In addition to proceeding under the authority of this section, the Town is entitled to pursue all other criminal and civil remedies to which is entitled under authority of statutes or other Ordinances against a person committing any violation of this Ordinance including injunction and civil penalties.

(e) Sanction for failure to pay inspection fees, in addition to sanctions provided for by this Ordinance, the Town is entitled to exercise sanctions provided for by other Ordinances of the Town.

(f) A licensed tester’s registration may be reviewed and revoked by the Town if it is determined that the tester:

(1) Has falsely, incompletely, or inaccurately reported assembly reports;

(2) Has used inaccurate gauges;

(3) Has used improper testing procedures; or

(4) Has created a threat to public health or the environment.

Section 2

That a violation of any provision of this Ordinance shall be a misdemeanor punishable in accordance with Ordinance No. 420, Section One as incorporated in Code of Ordinances of the Town of Sunnyvale, Texas.

Section 3
That Ordinance 12-08, Plumbing Code, Inspection and testing of backflow prevention assemblies, of the Code of Ordinances of the Town of Sunnyvale, Texas, as amended, shall be and remain in full force and effect save and except as amended by this Ordinance.

Section 4

Severability. It is hereby declared to be the intention of the Town Council that if any phrase, clause, sentence, paragraph or section of this Ordinance is declared unconstitutional or invalid by judgment or decree of a Court of competent jurisdiction, then such unconstitutionality or invalidity shall not affect any other remaining phrase, clause, sentence, paragraph or section of this Ordinance; and the Town Council hereby declares it would have passed the remaining portions even though it had known the affected parts would be held unconstitutional or invalid.

Section 5

That this Ordinance shall be and become effective immediately upon and after its passage and approval.

PASSED AND APPROVED this the 11th day of June, 2012.

TOWN OF SUNNYVALE, TEXAS

______________________________
Mayor

ATTEST:

______________________________
Town Secretary
Subject:

Ordinance No. 12-10 - Amending the Sunnyvale Fee Schedule

Background:

This ordinance is directly related to the previous item as it amends the Code of Ordinance's Fee Schedule by adding a section on Cross Control and Connection Fees. These are recommended fees associated with the Cross Connection Control program created by Ordinance 12-09. Staff will cover these fees in more detail Monday night.

Recommendation:

Staff recommends approval of Ordinance 12-10 to amend the Town's Fee Schedule by adding section 8.3000 - Cross Connection Control and Prevention Fees

Attachments:

Ordinance No 12-10
ORDINANCE NO. 12-10

AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING CHAPTER APPENDIX A, FEE SCHEDULE, OF THE TOWN OF SUNNYVALE CODE OF ORDINANCES BY ADDING SECTION 8.3000, CROSS-CONNECTION CONTROL AND PREVENTION FEES, ADDING A SEVERABILITY AND SAVINGS CLAUSE, AND PROVIDING AN EFFECTIVE DATE.

SECTION 1

Section 8.3000 is hereby added to read as follows:

8.3000 - Cross-Connection Control and Backflow Prevention Prevention Fees

8.3001 - Schedule 1 – Town of Sunnyvale Testing Fee:

The fee for a backflow prevention assembly test is two hundred dollars ($200.00) for each separate test.

The fee for a backflow prevention assembly retest is one hundred dollars ($100.00) for each retest performed.

8.3002 – Schedule 2 - Licensed Backflow Prevention Assembly Tester Registration Fee:

Annual registration fee for approved testers shall be a non-refundable fee of seventy-five dollars ($75.00)

8.3004- Annual Device Registration Fee:

An annual backflow device registration fee shall be twenty-five dollars ($25.00) per each backflow prevention assembly. The Town of Sunnyvale will send out annual notice letters to customers notifying them of the annual testing requirements.

8.3005 - Deposit Fee for Fire Hydrant Water Meter With Backflow Prevention Device:

There shall be a refundable; rental deposit fee for fire hydrant water meters with backflow prevention devices of one thousand seven hundred dollars ($1,700.00). The deposit will be refunded when the meter is returned and damage has been assessed.
SECTION 2
That if any section, subsection sentence, clause, phrase or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such shall be deemed a separate, distinct and independent provision and such holding shall not affect validity of the remaining portions thereof.

SECTION 3
That save and except as amended by this Ordinance, Sections of the Town of Sunnyvale Code of Ordinances shall remain in full force and effect and all Ordinances or parts of Ordinances in conflict with this Ordinance are hereby repealed.

SECTION 4
That this Ordinance shall be effective from and after the date of passage as permitted by law.

PASSED AND APPROVED this 11th day of June, 2012.

_________________________
Jim Phaup, Mayor

ATTEST:

_________________________
Leslie Malone, Town Secretary
Subject:

Resolution 12-12 - Denying the Atmos Energy Corporations Intent to Change Energy Rates

Background:

On February 27, 2012, the Town Council approved a resolution (12-09) suspending the rate increase request entered by Atmos Energy. The suspension expires on June 15, and Atmos is asking cities to deny the rate change request to allow for their appeal to the Railroad Commission. As in the past, the Town will monitor the case through the consortium of cities and update council on the appeal.

Recommendation:

Staff recommends approval of Resolution No. 12-12, denying Atmos Energy Corporation's intent to change energy rates.

Attachments:

Resolution No. 12-12
RESOLUTION NO. 12-12

A RESOLUTION DENYING THE MID-TEX DIVISION OF ATMOS ENERGY CORPORATION’S STATEMENT OF INTENT TO CHANGE THE GAS UTILITY RATES IN THE MUNICIPALITY, SO THAT THE COMPANY MAY PURSUE A SYSTEM-WIDE RATE CASE WITH THE RAILROAD COMMISSION OF TEXAS; PROVIDING AN EFFECTIVE DATE; PROVIDING FOR NOTICE HEREOF TO THE MID-TEX DIVISION OF ATMOS ENERGY CORPORATION; AND FINDING AND DETERMINING THAT THE MEETING AT WHICH THIS RESOLUTION IS PASSED IS OPEN TO THE PUBLIC AS REQUIRED BY LAW.

WHEREAS, the Mid-Tex Division of Atmos Energy Corporation (“Company”) operates the natural gas distribution system serving this municipality, and;

WHEREAS, on or about January 31, 2012, the Company filed with the Governing Body of this municipality its Statement of Intent, together with its rate filing package, proposing to change its rate schedules within the corporate limits of this municipality, effective March 6, 2012; and

WHEREAS, this municipality has exclusive original jurisdiction to evaluate the Company’s Statement of Intent as it pertains to the distribution facilities located within the municipality, pursuant to Texas Utilities Code Sections 102.001(b) and 103.001; and

WHEREAS, the Texas Utilities Code Section 103.022 provides that costs incurred by the governing body of the municipality in ratemaking activities are to be reimbursed by the regulated utility;

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE, TEXAS:

SECTION 1. That the Company’s Statement of Intent to change gas rates within this municipality, as part of the Company’s statewide gas utility system, be denied in all respects.

SECTION 2. That costs incurred by the municipality in reviewing the Company’s application be reimbursed by the Company.

SECTION 3. That this Resolution shall become effective immediately from and after its passage, as the law and charter in such cases provide.

SECTION 4. That the Secretary of this municipality is hereby directed to deliver a copy of this Resolution, constituting final action on the Company’s request for a change in the gas utility rates, within ten (10) days after the passage hereof to Atmos Energy Mid-Tex, care of David Park, Vice President Rates and Regulatory Affairs, at Atmos Energy Corporation, 5420 LBJ Freeway, Suite 1862, Dallas, Texas 75240.

SECTION 5. That it is hereby officially found and determined that the meeting at which this Resolution is passed is open to the public and that public notice of the time, place and purpose of said meeting was given as required by law.
PASSED AND APPROVED at a Regular Meeting of the Town Council of the Town of Sunnyvale, Texas on this the 11th day of June, 2012.

__________________________________
Mayor

ATTEST:

__________________________________
Secretary
May 15, 2012

Honorable Mayor and City Manager

Re: Notice of Extension of Proposed Effective Date of Rate Increase

Dear Mayor and City Manager:

On January 31, 2012, Atmos Energy Corp, Mid-Tex Division (“Atmos” or “the Company”) filed a Statement of Intent to Increase Gas Utility Rates Within All Incorporated Areas Served by the Mid-Tex Division, with the Exception of the City of Dallas (“Statement of Intent”) pursuant to the provisions of Texas Utilities Code §103.001. The original effective date of the proposed rate increase was March 6, 2012. Atmos hereby extends its requested effective date to March 13, 2012. By extending the proposed effective date to March 17, 2012, all cities in the Mid-Tex Division will have until June 15, 2012 to take action on the Company’s filing.

Sincerely,

[Signature]

James Price
Attorney
Atmos Energy Corporation
Subject:
Report from the 4A Development Corporation

Background:
The 4A President would like to introduce the newly appointed Economic Development Coordinator, Severyn Brandau. Additionally, Severyn has developed an ED Action Plan that he would like to discuss with Council and receive input.

Recommendation:
NA

Attachments:
Draft Economic Development Action Plan
PRELIMINARY ECONOMIC DEVELOPMENT ACTION PLAN

DRAFT

Listed below are some initial and general recommendations regarding proposed economic development (ED) activities for consideration by the board. These are as follows;

1) Meet with Town Council, 4A, 4B, and Chamber of Commerce members in order to;
   i. Identify any issues and concerns regarding economic development activities.
   ii. Sound out members opinions concerning future ED directions.
   iii. Work towards building consensus as to the main course of our ED efforts.

2) Meet with key commercial property owners/brokers/developers in order to;
   i. Ascertain the status of ongoing and planned development projects.
   ii. Find ways of coordinating and cooperating in our recruitment efforts for maximum efficiency.
   iii. Identify existing leads currently being pursued by the above stake holders to see how we can assist them and also to avoid duplications of effort and avoid confusion in channels of communication in dealings with future investors.

3) Meet with relevant TRMC officials to learn more about their future plans and needs. The main focus being on learning the types of support infrastructure/businesses which typically locate around medical facilities (services, hotels, etc.) which would be beneficial to the further growth of TRMC.

4) Strengthen relationships with neighboring, regional, and state development authorities to plug ourselves into the information loop and take full advantage of any synergies and contacts which may arise from ongoing and projected investment projects in the Dallas MSA.

5) Establish contact with the International Council of Shopping Centers, Texas Retailers Association, Texas Food Council and other relevant organizations representing potential investors.

6) Optimize memberships in ED organization such as TEDC, IEDC, etc., to have access to the latest development tools and data which would otherwise be difficult to obtain or too time consuming and costly to produce internally.

7) Establish closer links with various state sources of development funds, such as the Texas Enterprise Fund, etc. as well as any other potential grant opportunities on a private, state, and federal level.
8) Work on an Investment Information Package for potential investors. This should be as customized for Sunnyvale but also incorporate some commonality and data with the materials available for the Dallas MSA. It would also incorporate COSTAR data customized for individual inquiries. To save money time, existing Sunnyvale materials should be used as far as possible and applicable. Discussion of the useful of printed vs. digital materials may also be useful.

9) Consider incorporating a discussion on economic development into one of the town meetings, perhaps as a stand-alone topic or part of an existing agenda.

10) Look into the feasibility and advisability of preparing a survey questionnaire for Sunnyvale residents to poll their opinions on the types of retailers/businesses they would find most useful and beneficial.

11) Launch review of existing advertising and promotional materials and consider new avenues and methods to reach targeted audiences. The 4A web page is the prime area of interest. Web presence and technology has progressed very rapidly during the last few years, pointing to the desirability of updating certain elements of our web presence.

Severyn Brandau
Economic Development Coordinator
Town of Sunnyvale
214-280-9888
econdev@townofsunnyvale.org
Subject:

Presentation/Discussion of Cash Handling and Internal Control Assessment

Background:

As you are aware, several months ago the Town engaged the services of an outside firm (Webb Watch) to perform an assessment of the Town's current cash handling and internal controls and to make recommendations for improvements. Webb Watch is working to finalize their report. The report will be forwarded before Monday's meeting. The representative from Webb Watch has fallen ill and if he is unable to present the report to Council on Monday, the item will be discussed at the next Town Council Meeting.

Recommendation:

NA

Attachments:

Cash Handling and Internal Control Assessment will be forwarded upon completion.