

Resolution No. 2009-005

A RESOLUTION ADOPTING A WATER CONSERVATION PLAN FOR THE ALTOGA WATER SUPPLY CORPORATION TO PROMOTE THE RESPONSIBLE USE OF WATER AND TO PROVIDE FOR PENALTIES AND/OR THE DISCONNECTION OF WATER SERVICE FOR NONCOMPLIANCE WITH THE PROVISIONS OF THE WATER CONSERVATION PLAN.

WHEREAS, the Altoga Water Supply Corporation (the "WSC"), recognizes that the amount of water available to its water customers is limited; and

WHEREAS, the WSC recognizes that due to natural limitations, drought conditions, system failures and other acts of God which may occur, the WSC cannot guarantee an uninterrupted water supply for all purposes at all times; and

WHEREAS, the Texas Water Development Board requires that the WSC adopt a Water Conservation Plan; and

WHEREAS, the WSC has determined in the best interest of the public to adopt a Water Conservation Plan; and

WHEREAS, pursuant to Chapter 67 of the Water Code, the WSC is authorized to adopt such policies necessary to preserve and conserve its water resources; and

WHEREAS, the Board of Directors of the WSC desires to adopt the attached Water Conservation Plan as official WSC policy for the conservation of water.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALTOGA WATER SUPPLY CORPORATION THAT:

Section 1. The Board of Directors hereby approves and adopts the Water Conservation Plan (the "Plan"), attached hereto as Addendum A, as if recited verbatim herein. The WSC commits to implement the requirements and procedures set forth in the adopted Plan.

Section 2. Any customer, defined pursuant to 30 Tex. Admin. Code Chapter 291, failing to comply with the provisions of the Plan shall be subject to a monetary fine as allowed by law, and/or discontinuance of water service by the WSC. Proof of a culpable mental state is not required for a conviction of an offense under this section. Each day a customer fails to comply with the Plan is a separate violation. The WSC's authority to seek injunctive or other civil relief available under the law is not limited by this section.

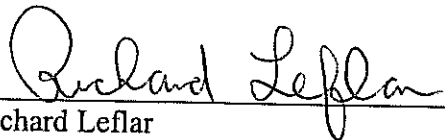
Section 3. The Board of Directors does hereby find and declare that sufficient written notice of the date, hour, place and subject of the meeting adopting this Resolution was posted at a designated place convenient to the public for the time required by law preceding the meeting, that such place of posting was readily accessible at all times to the

general public, and that all of the foregoing was done as required by law at all times during which this Resolution and the subject matter thereof has been discussed, considered and formally acted upon. The Board of Directors further ratifies, approves and confirms such written notice and the posting thereof.

Section 4. The General Manager or his designee is hereby directed to file a copy of the Plan as may be required.

Section 5. Should any paragraph, sentence, clause, phrase or word of this Resolution be declared unconstitutional or invalid for any reason, the remainder of this Resolution shall not be affected.

Approved and adopted by the Altoga Water Supply Corporation on this 24th day of August, 2009.

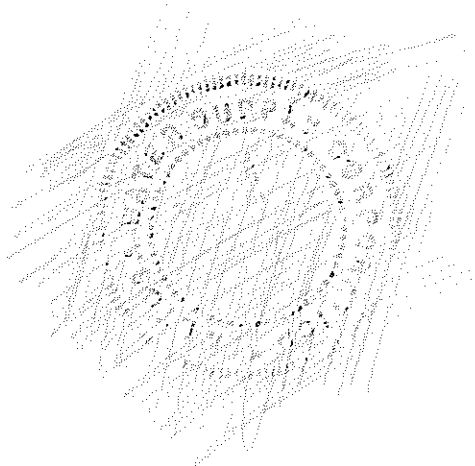


Richard Leflar
President, Board of Directors

Attest:



Billy Boone
Secretary



**ALTOGA WATER SUPPLY CORPORATION
WATER CONSERVATION PLAN**

1. **Declaration of Policy, Purpose and Intent.** In order to conserve the available water supply and/or protect the integrity of the water supply facilities, with particular regard for domestic water use, sanitation, fire protection, to protect and preserve public health, welfare, safety and minimize the adverse impacts supply shortage or other water supply emergency conditions. Altoga Water Supply Corporation adopts the following Water Conservation Plan.

Water uses regulated or prohibited under the Water Conservation Plan are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water, which subjects the offender(s) to penalties as referenced in the Drought Contingency Plan.

2. **Service Area.** Altoga Water Supply Corporation is a water supply corporation covering 6.71 square miles with a distribution system consisting of 27.32 linear miles of pipe. Altoga Water Supply Corporation has two (2) wells that are used on a daily basis.

3. **Review and Modification of Plan.** This Water Conservation Plan will be reviewed and updated, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information. Altoga Water Supply Corporation will review and update the next revision of its Water Conservation Plan not later than August 1, 2014 and every five (5) years after that date to coincide with the regional water planning group.

4. **Authorization, Implementation and Enforcement.** The Manager, or his/her designee, is hereby authorized and directed to implement and enforce this Water Conservation Plan. *The Ordinance to adopt the Water Conservation Plan is included.

5. **Application.** The provisions of this plan shall apply to all persons, customers and property utilizing water provided by Altoga Water Supply Corporation. The terms person and customer as used in the plan included individuals, corporations, partnership, associations, and all other legal entities.

6. **Definitions.** For the purpose of this Plan, the following definitions shall apply:

Aesthetic water use - Water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use - Water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels, motels, restaurants, and office buildings.

Conservation - Those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative use.

Customer - Any person, company, or organization using water supplied by Altoga Water Supply Corporation.

Domestic water use - Water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Industrial water use - The use of water in process designed to convert materials of lower value into forms having greater usability value.

Landscape irrigation use - Water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, right-of-way, medians and agriculture.

Livestock - Water used for all livestock will be available. Water float devices should be monitored for possible problems of overflowing.

Non-essential water use - Water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- (d) use of water to wash down buildings or structures for purpose other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pool or jacuzzi-type pools;

- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction or any other purposes other than fire fighting.
- (j) **Definitions.** For the purpose of this Plan, the following definitions shall apply:

7. **For Water Conservation Plan.**

- A. **Specification of Conservation Goals and Objectives.** In accordance with 30 TAC Part 1, Chapter 288, Subchapter C, Rule 288.2(a)(1)(C) the following objectives and five(5) and ten(10) year targets have been established:

The objectives of this Water Conservation Plan are as follows:

- * To reduce water consumption from the levels that would prevail without conservation efforts.
- * To reduce the loss and waste of water.
- * To improve efficiency in the use of water.

Five year targets based on 5-year rolling averages.

- 1. Reduce average per capita per day consumption from the current level of 73.91 gallons to 72.71 gallons per capita per day.
- 2. Reduce the level of unaccounted water losses to 9.99% from the current average annual level of 13.34%.

Ten-year targets based on 5 - year rolling averages.

- 1. Reduce day average per capita per day consumption to 71.94 gpcd.
- 2. Reduce the level of unaccounted water losses to 9.5%.

To accomplish these goals Altoga Water Supply Corporation will utilize the programs and policies in this plan such as accurate metering devices, meter testing and replacement, control of unaccounted water, public education, non-promotional water rates, and leak detection and repairs. Areas of the water system in which numerous leaks and line breaks occur are targeted for replacement as funds are available, as well as installation of pressure reducing valves to help in, areas of excessive pressure.

B. **Metering.** Altoga Water Supply Corporation currently has a customer base of 210 active connections, which is about 596 population. Altoga Water Supply Corporation is composed of 100% residential and 0% wholesale, commercial and

industrial customers. Altoga Water Supply Corporation meters 100% of the connections to the distribution system. Water from Wells are metered and read manually on a daily basis. Meters range from 3/4" to 2". Altoga Water Supply Corporation residential meters are field tested for accuracy. Master meters are calibrated and certified on a yearly basis.

C. Determination and Control of Unaccounted-for Water. Altoga Water Supply Corporation makes monthly accounting of water delivery efficiencies. At the end of the month, the business office calculates the difference between water purchased to the system and water sold through the meters. This calculation is reduced to a percentage of water losses. This is maintained and reviewed on an annual basis.

- (a) Leaks are reported by an employee as well as the general public.
- (b) Sizable leaks can be noticed by the meter readings and attended to as needed.
- (c) All leaks are repaired as soon as possible. Water operators continuously inspect the system and look for leaks along the distribution lines.
- (d) Excessive high meter readings and non-registering meters are checked monthly.

D. Public Education. Altoga Water Supply Corporation will periodically provide the public with information about water conservation measures including information about the conditions under which conservation measures are to be employed. This information will be provided by means of public notice, literature, press releases and mailings.

E. Water Rates. Altoga Water Supply Corporation has an escalating water rate scale that promotes conservation. When the customer reaches a consumption of 10,000 gallons, the rate increases for all usage above the specified amount. A copy of the water rate scale is attached.

*Appendix A - Rate Fee Sheet, Effective May 1, 2008 included.

F. Coordination with Regional Water Planning Group. The water service area for Altoga Water Supply Corporation is located within the Regional C Water Planning Area and Altoga Water Supply Corporation has provided a copy of this plan to the North Texas Municipal Water District P.O. Box 2408 Wylie, Texas 75098-2408.

G. Record Management System. Altoga Water Supply Corporation office maintains records of:

- * Water Purchased
- * Meters readings within the system monthly.
- * Loss calculations.

H. Other Conservation Measures. Altoga Water Supply Corporation recognizes that in order to accomplish the goals and objectives of this water conservation plan, other conservation measures may be required that are not outlined within the body of this document. Altoga Water Supply Corporation is aware of the Water Conservation Best Management Practices Guide published by the Water Conservation Implementation Task Force in November 2004. As deemed necessary, Altoga Water Supply Corporation will implement other measures either from the BMP guide or as otherwise seen to fit assure compliance with the plan.

8. **Utility Profile.** Altoga Water Supply Corporation Utility Profile (Appendix B) is included in this Water Conservation Plan.

- * Appendix C - Certificate of Convenience and Necessity (CCN) from the TCEQ (Public Utility Commission Certification)
- * Appendix D - Projected water demands.
- * Appendix E - Pump Stations sites and Storage Capacity.

ALTOGA WATER SUPPLY CORPORATION
4365 FM 75
Princeton, Texas 75407
(972) 529-9595 Fax (972) 736-4212

NOTICE OF WATER RATE INCREASE

Effective September 20, 2008

The proposed changes are necessary to pay for increased operating costs due to the payments incurred as a result of financing the Altoga Water Supply Corporation (AWSC) portion of the cost of the new well and tower, the additional electricity cost for operation of the new tower and well, increased capital expenditures for replacement of older water lines and investment in system capacity to support future growth. The changes were authorized and approved on July 8, 2008 at the monthly meeting of the Altoga Water Supply Corporation Board of Directors.

Customer Notice Provisions The Corporation shall give written notice of any rate change by mail or by hand delivery to all consumers at least thirty (30) days prior to the effective date of the new rate. The notice shall contain the old rates, new rates, effective date of the new rate, date of Board authorization, and the name and phone number of the Corporation's contact person designated to address inquiries about the rate change.

Current and Proposed Charges The charge for water service has two components, a flat fee which applies to each service connection to cover cost connected with the ability to make water immediately available to your service, and a sliding scale charge based on the water actually used. The following chart shows the current and proposed rates as well as an example of how it will change your bill with the "New Bill" cost being shown as using the maximum gallons for that range:

	2007-2008		2008-Present		
Current Gallonage Ranges	Old Rate	New Rate	Old Bill	New Bill	
Rate is per 1000 gallons					
Base Rate (No Usage)	\$ 28.00	\$ 30.00	\$ 28.00	\$ 30.00	
Up to 2000	\$ 4.00	\$ 4.00	\$ 36.00	\$ 38.00	
2001 to 4000	\$ 4.00	\$ 4.50	\$ 44.00	\$ 51.50	
4001 to 6000	\$ 4.00	\$ 5.00	\$ 56.00	\$ 66.50	
6001 to 8000	\$ 4.00	\$ 5.50	\$ 68.00	\$ 83.00	
8001+	\$ 5.00	\$ 6.00	\$83 + \$6/1000 gallons over 8000		

In September of 2000 AWSC was in danger of being taken over by the State as the system was out of compliance with the State of Texas minimum standards. A new Board of Directors was installed and presented with what at the time seemed an overwhelming task. At that time the system consisted of 152 meters and had only one source of water (Current well on FM75). As of the writing of this letter we now have 218 meters (54 don't use any water) and three sources of water. Although we have made some huge strides forward we have more to go in order to get our system to a sustainable level of operation.

There are several large developments under construction that will bring AWSC an additional 300-500 meters; however the current state of our economy has drastically slowed those developments down. AWSC has positioned itself to absorb that growth at a substantial investment by ourselves as well as some financial assistance from those developers. Over the last eight years we have increased our base rate once (January 2006) and adjusted the rate per 1000 gallons once (June 2004). The completion of the new well and tower has generated a renewed interest in AWSC that died many years ago. AWSC now has two wells and an emergency connection with North Collin Water Supply which will position us for future growth. We as your Board of Directors are very proud of the current status of AWSC and appreciate all the support over the last eight years from everyone. We have all been inconvenienced at one time or another and will again at some point as we continue to grow.

Questions and More Information

AWSC Board of Directors meetings are held the second Tuesday of each month at the Dunn Memorial Baptist Church and you are welcome to attend, if you wish to address the board please contact our office so that we may put you on the agenda.

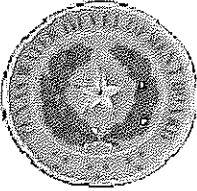
We can be reached at our office at 972-529-9595, via email or visit our website.

office@allogawatersupply.com

<http://www.allogawatersupply.com/>

Sincerely,
AWSC Board of Directors

Richard Leflar
Reed Newman
Billy Boone
Judy Buckner
Jackie Don Miller



TEXAS WATER DEVELOPMENT BOARD

UTILITY PROFILE

The purpose of the Utility Profile is to assist with water conservation plan development and to ensure that important information and data be considered when preparing your water conservation plan and its target and goals. Please complete all questions as completely and objectively as possible. See Water Conservation Plan Guidance Checklist (WRD-022) for information on other water conservation provisions. You may contact the Municipal Water Conservation Unit of the TWDB at 512-936-2391 for assistance.

APPLICANT DATA

Name of Utility: Altoga WSC

Address & Zip: P.O. Box 547, Princeton, TX 75407

Telephone Number: 972-529-9595 Email: Office@altogawatersupply.com Fax: 972-736-4212

Form Completed By: Rodney McDaniel Title: General Manager

Signature: Date:

Name and Phone Number of Person/Department responsible for implementing a water conservation program:

Name: Rodney McDaniel Phone: 972-529-9595

UTILITY DATA

I. CUSTOMER DATA

A. Population and Service Area Data

- 1. Please attach a copy of your Certificate of Convenience and Necessity (CCN) from the TCEQ
2. Service area size (square miles): 6.71

3. Current population of service area: 596

4. Current population served by utility: a: water 596
b: wastewater 0

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

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

Year	Population
<u>2008</u>	<u>613</u>
<u>2007</u>	<u>596</u>
<u>2006</u>	<u>545</u>
<u>2005</u>	<u>503</u>
<u>2004</u>	<u>494</u>

Year	Population
<u>2010</u>	<u>666</u>
<u>2020</u>	<u>1,001</u>
<u>2030</u>	<u>1,507</u>
<u>2040</u>	<u>2,268</u>
<u>2050</u>	<u>3,412</u>

7. List source(s)/method(s) for the calculation of current and projected population:
Current population US Census 2000 Track 302 block 4; Track 310.02 block 1.
Population projections based on 10 year historical connection growth data.

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 or Commercial

<u>Treated water users:</u>	<u>Metered</u>	<u>Not-metered</u>	<u>Total</u>
Residential-Single-Family	<u>210</u>	<u>0</u>	<u>210</u>
Residential-Multi-Family	<u>5</u>	<u>0</u>	<u>5</u>
Commercial	<u>1</u>	<u>0</u>	<u>1</u>
Industrial	<u>0</u>	<u>0</u>	<u>0</u>
Public	<u>0</u>	<u>0</u>	<u>0</u>

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

Year	<u>2008</u>	<u>2007</u>	<u>2006</u>
Residential –Single-Family	<u>6</u>	<u>17</u>	<u>15</u>
Residential-Multi-Family	<u>0</u>	<u>0</u>	<u>0</u>
Commercial	<u>0</u>	<u>1</u>	<u>0</u>
Industrial	<u>0</u>	<u>0</u>	<u>0</u>
Public	<u>0</u>	<u>0</u>	<u>0</u>
Other	<u>0</u>	<u>0</u>	<u>0</u>

C. High Volume Customers

List annual water use for the five highest volume retail and wholesale customers
(Please indicate if treated or raw water delivery.)

	<u>Customer</u>	<u>Use (1,000gal./yr.)</u>	<u>indicate Treated OR Raw</u>
(1)	<u>Stiff Creek MHP</u>	<u>3,075.60</u>	<u>Treated</u>
(2)	<u>Jackie Don Miller</u>	<u>374.10</u>	<u>Treated</u>
(3)	<u>Randy Bell</u>	<u>355.70</u>	<u>Treated</u>
(4)	<u>Kevin Smith</u>	<u>308.90</u>	<u>Treated</u>
(5)	<u>Karen Cosby</u>	<u>246.50</u>	<u>Treated</u>

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: Diverted Water _____
 Treated Water ✓

Year	2008	2007	2006	2005	2004
January	1,246.60	1,573.00	1,242.70	1,898.00	1,152.30
February	1,215.00	1,565.00	1,225.90	1,660.00	1,066.80
March	1,213.00	1,985.40	901.50	1,381.60	866.00
April	1,413.00	1,728.00	995.20	883.70	941.00
May	1,489.00	1,124.20	1,552.20	927.00	966.00
June	1,797.00	1,061.60	1,840.40	1,056.60	1,005.00
July	1,973.40	2,178.00	3,195.60	1,219.80	1,051.00
August	2,395.90	1,950.00	6,078.70	1,308.80	1,176.00
September	1,991.60	1,605.00	1,487.30	973.20	1,103.00
October	1,768.90	1,004.30	1,473.30	1,053.80	1,120.00
November	1,544.40	1,616.00	1,356.00	1,077.60	1,047.10
December	1,339.00	1,246.60	1,573.00	1,083.30	1,243.10
Total	19,386.80	18,637.10	22,921.80	14,523.40	12,737.30

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

Master Meter- Water pumped each month.

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

Year	Residential	Commercial	Industrial	Wholesale	Other	Total Sold
2008	13,705.20	3,075.60	0	0	0	16,780.80
2007	13,462.70	702.90	0	0	0	14,165.60
2006	18,178.80	0	0	0	0	18,178.80
2005	12,262.60	0	0	0	0	12,262.60
2004	10,738.90	0	0	0	0	10,738.90

3. List previous five years records for water loss
(See #2, Appendix A)

<u>Year</u>	<u>Amount (gal.)</u>
2008	2,606,000
2007	4,471,500
2006	4,743,000
2005	2,260,800
2004	1,998,400

4. List previous five years records for annual peak-to-average daily use ratio
(See #3, Appendix A)

<u>Year</u>	<u>Average MGD</u>	<u>Peak MGD</u>	<u>Ratio</u>
2008	0.053	0.090	1.70
2007	0.051	0.078	1.53
2006	0.063	0.120	1.90
2005	0.040	0.077	1.93
2004	0.035	0.066	1.89

5. Total per capita water use for previous five years (See #4, Appendix A):

<u>Year</u>	<u>Population</u>	<u>Total Diverted (or Treated Less Wholesale Sales (1,000 gal.))</u>	<u>Per Capita (gpcd)</u>
2008	613	16,780.80	86.65
2007	596	14,165.60	65.12
2006	545	18,178.80	91.39
2005	503	12,262.60	66.79
2004	494	10,738.90	59.56

6. Seasonal water use for the previous five years (in gallons per person per day)
(See #5, Appendix A):

<u>Year</u>	<u>Population</u>	<u>Base Per Capita Use</u>	<u>Summer Per Capita Use</u>
2008	613	206.67	335.31
2007	596	245.22	290.25
2006	545	247.19	679.80
2005	503	307.57	237.59
2004	494	233.62	218.08

B. Projected Water Demands

Project water supply requirements for at least the next ten years using population trends, historical water use, and economic growth, etc. Indicate sources of data and how projected water demands were determined.

Attach additional sheets if necessary.

<u>Year</u>	<u>Population</u>	<u>Water Supply Requirements (1,000 gal)</u>
2009	639	20,610,107
2010	666	21,910,605
2011	693	23,293,164
2012	722	24,762,963
2013	752	26,325,505
2014	784	27,986,645
2015	817	29,752,602
2016	851	31,629,991
2017	886	33,625,844
2018	923	35,747,635

Population served based on 2.84 people per connection as from 2000 Census data.

Population projection based on 10 year historical data of 4.17% average connection growth.

Water pumpage based on 10 year historical data of 6.31% average water pumpage growth per year.

III. WATER SUPPLY SYSTEM

A. Water Supply Sources

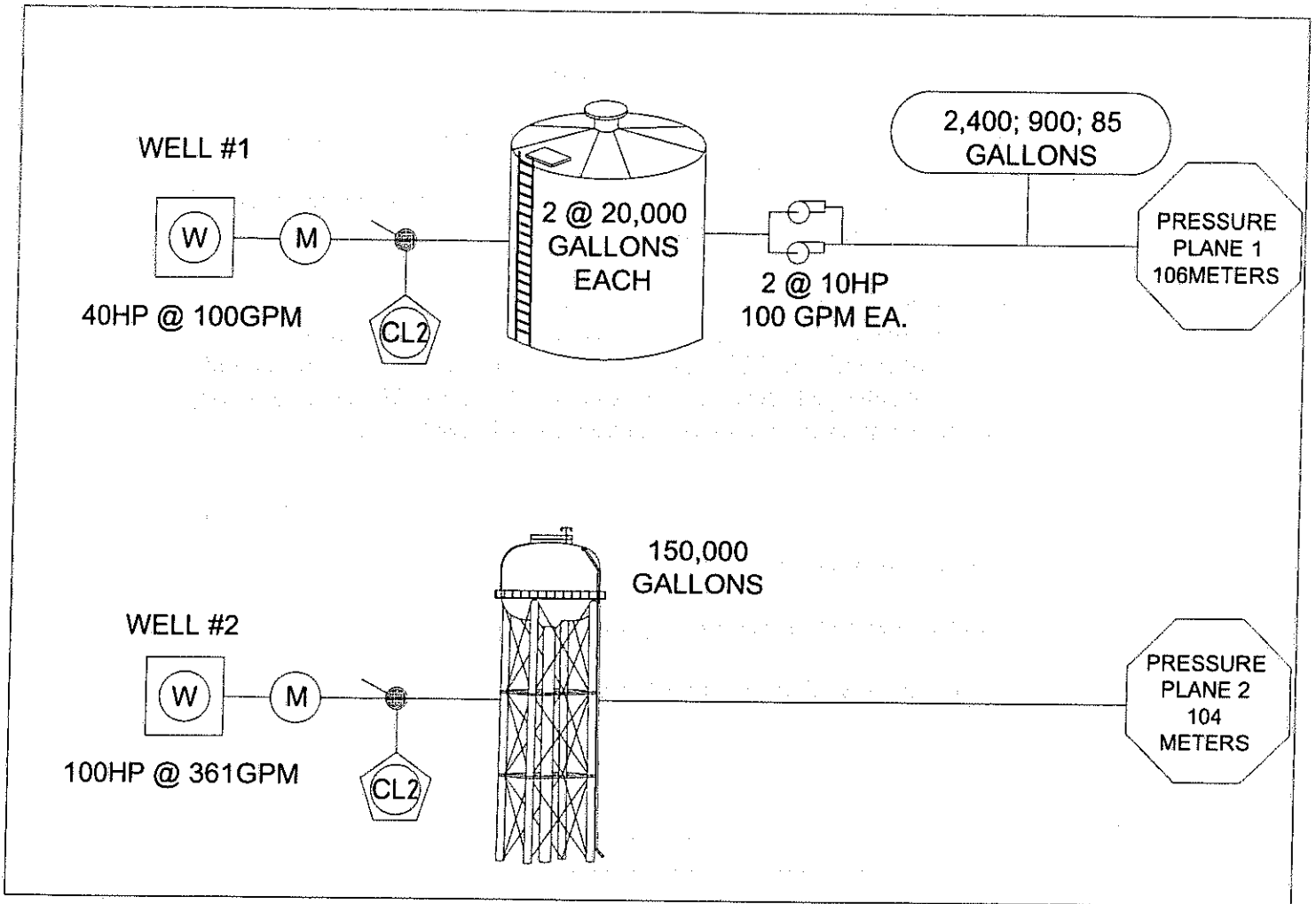
List all current water supply sources and the amounts available with each:

	<u>Source</u>	<u>Amount Available</u>
Surface Water:	n/a	0.00 MGD
Groundwater:	Woodbine Aquifer	0.664 MGD
Contracts:	n/a	0.00 MGD
Other:	n/a	0.00 MGD

B. Treatment and Distribution System

- Design daily capacity of system: 0.664 MGD
- Storage Capacity: Elevated 0.150 MGD, Ground 0.043 MGD
- If surface water, do you recycle filter backwash to the head of the plant?
Yes _____ No _____ If yes approximately _____ MGD

4. Please describe the water system. Include the number of treatment plants, wells, and storage tanks. If possible, include a sketch of the system layout.



IV. WASTEWATER UTILITY SYSTEM

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s): _____ MGD
2. Is treated effluent used for irrigation on-site _____, off-site _____, plant washdown _____, or chlorination/dechlorination _____?
If yes, approximately _____ gallons per month. Could this be substituted for potable water now being used in these areas _____?
3. Briefly describe the wastewater system(s) of the area serviced by the water utility. Describe how treated wastewater is disposed of. Where applicable, identify treatment plant(s) with the TCEQ name and number, the operator, owner, and, if wastewater is discharged, the receiving stream. Please provide a sketch or map which locates the plant(s) and discharge points or disposal sites.

B. Wastewater Data for Service Area

1. Percent of water service area served by wastewater system: ____%
2. Monthly volume treated for previous three years (in 1,000 gallons):

Year	_____	_____	_____
January	_____	_____	_____
February	_____	_____	_____
March	_____	_____	_____
April	_____	_____	_____
May	_____	_____	_____
June	_____	_____	_____
July	_____	_____	_____
August	_____	_____	_____
September	_____	_____	_____
October	_____	_____	_____
November	_____	_____	_____
December	_____	_____	_____
Total	_____	_____	_____

Appendix A

Definitions of Utility Profile Terms

1. **Residential** sales should include water sold to residential (Single and Multi-Family) class customers only.
Industrial sales should include water sold to manufacturing and other heavy industry.
Commercial sales should include water sold to all retail businesses, offices, hospitals, etc
Wholesale sales should include water sold to another utility for a resale to the public for human consumption.
2. **Water Loss** is the difference between water a utility purchases or produces and the amount of water that it can account for in sales and other known uses for a given period. Water loss can result from:
 1. inaccurate or incomplete record keeping;
 2. meter error;
 3. unmetered uses such as firefighting, line flushing, and water for public buildings and water treatment plants;
 4. leaks; and
 5. water theft and unauthorized use.
3. The **peak-day to average-day ratio** is calculated by dividing the maximum daily pumpage (in million gallons per day) by the average daily pumpage. Average daily pumpage is the total pumpage for the year (as reported in Section IIA1, p. 4) divided by 365 and expressed in million gallons per day.
4. **Total use in gallons per capita per day** is defined as total average daily amount of water diverted or pumped for treatment for potable use by a public water supply system. The calculation is made by dividing the water diverted or pumped for treatment for potable use by population served, then dividing by 365. Indirect reuse volumes shall be credited against total diversion volumes for the purpose of calculation gallons per capita per day for targets and goals developed for the water conservation plan. Total water use is calculated by subtracting the wholesale sales from the total water diverted or treated (as reported in Section IIA1).
5. **Seasonal water use** is the difference between base (winter) daily per capita use and summer daily per capita use. To calculate **the base daily per capita use**, average the monthly diversions for December, January, and February, and divide this average by 30. Then divide this figure by the population. To calculate the **summer daily per capita use**, use the months of June, July, and August.

TEXAS WATER COMMISSION



CERTIFICATE OF CONVENIENCE AND NECESSITY

To Provide Water Service Under V.T.C.A., Water Code
and Texas Water Commission Substantive Rules

Certificate No. 12580

I. Certificate Holder:

Name: Altoga Water Supply Corporation

Address: Route 1, Box 59
Princeton, Texas 75077

II. General Description and Location of Service Area:

The area covered by this certificate is for a bounded service area and two facilities only service areas located in and around the City of Altoga and is approximately 4 miles northeast of downtown McKinney, Texas on Farm to Market Road 1827 in Collin County, Texas.

The bounded service area is generally bounded on the east by Sister Grove Creek, on the south by Farm to Market Road 1377, on the west by Big Branch and on the north by Hatler Branch.

The facilities only service areas are located along Farm to Market Roads 75 and 1827 as located on maps No. 12580.1 and No. 12580.2.

Dual certification exists in the facilities only service areas with North Collin Water Supply Corporation, CCN No. 11035, and Windmill Estates Water, CCN No. 11645.

III. Certificate Maps:

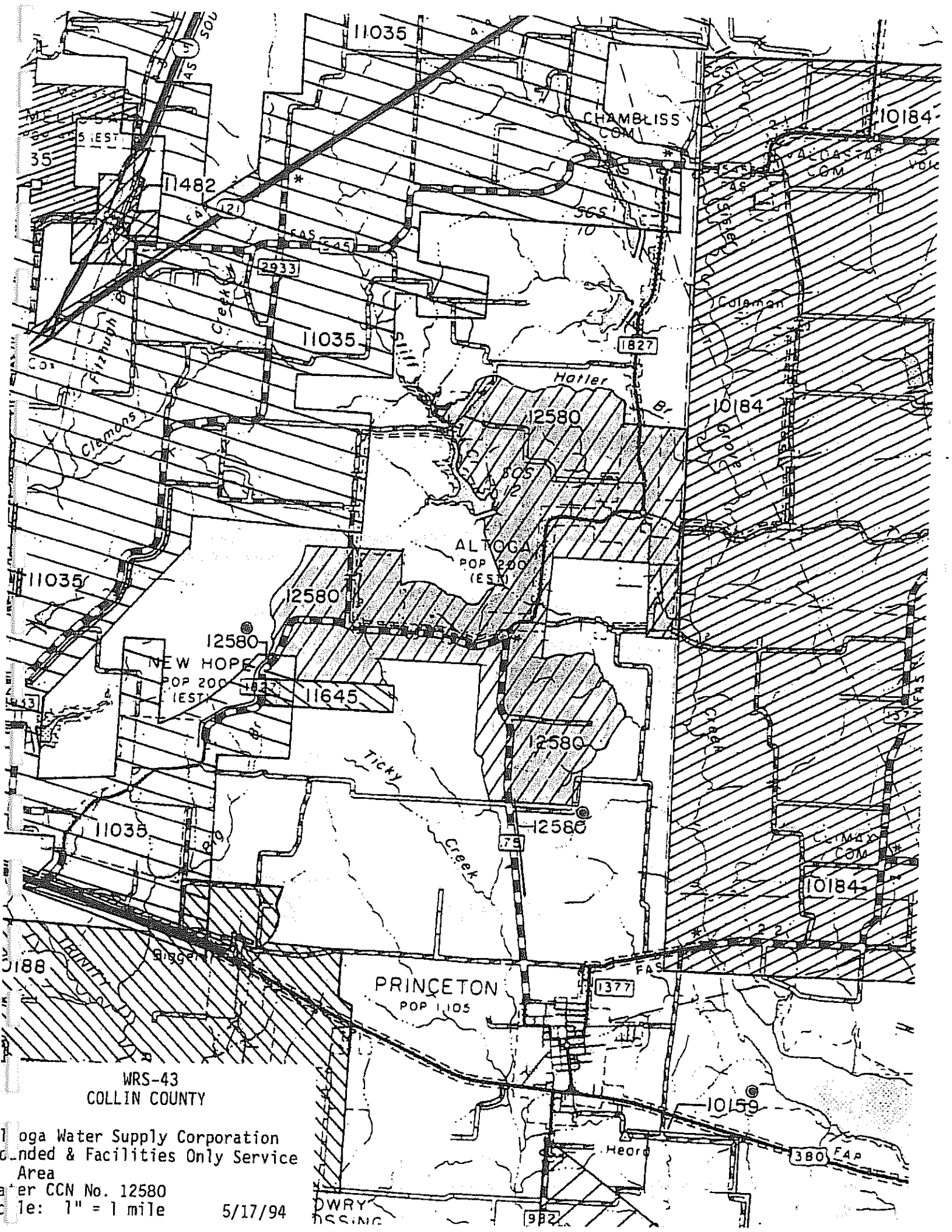
The certificate holder is authorized to provide water service in the area identified on maps No. 12580.1 and No. 12580.2 and the Commission's official water service area map, WRS-43, maintained in the offices of the Texas Water Commission, 1700 North Congress, Austin, Texas with all attendant privileges and obligations.

THE RULES AND ORDERS OF THE COMMISSION, THE LAWS OF THE STATE OF TEXAS,
conditions contained herein and may be revoked for violations thereof.
The certificate is valid until amended or revoked by the Commission.

Issued Date: JAN 29 1992

ATTEST: Blanca A. Vasquez John H. [Signature]
For the Commission

$\frac{1}{2}$ mile
Chapter 290
Rule



WRS-43
COLLIN COUNTY

Altoaga Water Supply Corporation
 Limited & Facilities Only Service
 Area
 Water CCN No. 12580
 Scale: 1" = 1 mile
 5/17/94

DWRY
 ASS'N

John Hall, Chairman
Pam Reed, Commissioner
Peggy Garner, Commissioner
Anthony Grigsby, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

May 17, 1994

Don Wortham
John E. Hawkins, Consulting Engineers
1 Grand Center, 1800 Teague Dr., Suite 110
Sherman, Tx 75090

Dear Mr. Wortham:

Enclosed Please find the material that you requested. It has been a pleasure to serve you. If you need any further assistance, please contact us at:

Texas Natural Resource Conservation Commission
Water Utilities Division
Utility Certification and Rate Design Section
P.O. Box 13087
Austin, Texas 78711-3087
(512) 239-6960

512-239-
4691

Mr. Miller —
Attached is a CCN MAP
of ALTOGA —

512-239-
6949
Dan Smith

DM

Appendix D Projected Water Demands

Project water supply requirements for at least the next ten years using population trends, historical water use, and economic growth, etc. Indicate sources of data and how projected water demands were determined.

Attach additional sheets if necessary.

<u>Year</u>	<u>Population</u>	<u>Water Supply Requirements (1,000 gal)</u>
2009	639	20,610,107
2010	666	21,910,605
2011	693	23,293,164
2012	722	24,762,963
2013	752	26,325,505
2014	784	27,986,645
2015	817	29,752,602
2016	851	31,629,991
2017	886	33,625,844
2018	923	35,747,635

Population served based on 2.84 people per connection as from 2000 Census data.

Population projection based on 10 year historical data of 4.17% average connection growth.

Water pumpage based on 10 year historical data of 6.31% average water pumpage growth per year.

Appendix E
Pump Stations sites and Storage Capacity.

