

**Mayor**

**Nina Laycook**

**City Manager**

**Duane Huffman**

**Treasurer**

**RaeLene Johnson**



**KANAB**  
— UTAH —

**City Council**

**James G. Sorenson**

**Cheryl Brown**

**Kirt Carpenter**

**Joe B. Wright**

**Brent Chamberlain**

**KANAB CITY COUNCIL**  
**FEBRUARY 12, 2013**  
**76 NORTH MAIN, KANAB, UTAH**

- 6:00 P.M.      Work Meeting
  - 2013 Council Goals
  - FY 13 Budget Update
  - Staffing Proposal
  - Code Enforcement
  - Radio Control Airplanes at City Airport
- 7:00 P.M.      Approval of minutes of previous meeting and accounts payable vouchers;
- 7:05 P.M.      Presentation by All-Women Town Council;
- 7:20 P.M.      Public Comment Period – Members of the public are invited to address the Council. Participants are asked keep their comments to 3 minutes and follow rules of civility outlined in Kanab Ordinance 3-606;
- 7:30 P.M.      Consider adoption of Resolution 2-1-12 R “A Resolution Designating Procurement Procedures for Recreation Fund Appropriation”;
- 7:40 P.M.      Consider adoption of Resolution 2-2-12 R “Memorandum of Understanding with Southwest Utah Public Health Department Concerning Closed POD Provision of Emergency Medical Prophylaxis”;
- 7:45 P.M.      Consider authorization of scope of work to update Water Conservation Plan and Culinary Water portion of Capital Facilities Plan;
- 8:00 P.M.      Consider consent to mayoral assignments of Council members;
- 8:10 P.M.      Consider consenting to the following mayoral appointments:

<u>Appointee</u>	<u>Office</u>	<u>Term Expires</u>
Kim Willoughby	Parks and Recreation Board	Dec. 2013
Noel Poe	Parks and Recreation Board	Dec. 2014
Camille Johnson *	Parks and Recreation Board	Dec. 2016
Richard Csenge*	Beautification Committee	Dec. 2016
Nancy Ford*	Beautification Committee	Dec. 2014

\* denotes first-time appointments to the respective office

- 8:15 P.M.      Executive Session:
  - Discussion of pending or reasonably imminent litigation
  - Discussion of the purchase, exchange, or lease of real property

Times listed for each item on the agenda may be accelerated as time permits. If you are planning to attend this public meeting and due to a disability need assistance in understanding or participating in the meeting, please notify the City eight or more hours in advance of the meeting, and we will try to provide whatever assistance may be required. Please contact RaeLene Johnson at the Kanab City offices.

– A Western Classic –

**KANAB CITY COUNCIL  
JANUARY 22, 2013  
KANE COUNTY COMMISSION CHAMBERS**

**PRESENT:** Mayor Nina Laycook, Council Members Kirt Carpenter, Cheryl Brown, James Sorenson, Joe B. Wright and Brent Chamberlain, City Manager/Recorder Duane Huffman and City Treasurer RaeLene Johnson.

Prayer was offered by Cheryl Brown.

**WORK MEETING:** Council Member Brown reported on the Parks and Recreation meeting, and the projects they had decided to do. She said that Tyler Cornell had been hired as the Recreation Director. He started today. His office is in the Kane County Travel Council building. Council Member Brown listed the projects as follows: Nice signs at the Kanab Creek Rancho Park, put a basketball court at the KCR Park, renovate the old bathrooms at the Jacob Hamblin Park, enhance and improve the tennis courts, form a focus group to decide how to proceed with the Skateboard Park, and put new nets over the viewing area at the baseball fields and more dirt for the infields. Council Member Brown would like to encourage different organization to get interested in helping fund some of the projects. Council Member Carpenter suggest getting with the County Recreation and Transportation Special Service District for help with some of the projects. It was noted that \$45,000 was budgeted for capital improvements for recreation. Council Member Wright remembered during the budget process, all capital projects would be approved by the Council. Mr. Huffman suggested that a resolution be considered at the next regular meeting outlining parameters for spending the money.

City Manager Huffman reported that Dennis Day resigned from serving on the Planning & Zoning Commission due to his work schedule. Also Russell Keller, building inspector, has received a call to serve a mission in the Louisiana area. He will retire March 15<sup>th</sup>. The Council's retreat will be Friday at the Holiday Inn Express. It will also be Saturday morning at a location to be determined.

**APPROVAL OF MINUTES & VOUCHERS:** A motion was made by Council Member Wright and 2<sup>nd</sup> by Council Member Carpenter to approve the January 8 minutes as amended and the vouchers. Motion passed unanimously.

**PUBLIC COMMENT PERIOD:** Ms Shawna Cox extended a special invitation to the Council to come to a community meeting on February 8 at 7:00 p.m. at the library for a presentation on Agenda 21, global government.

**CONSIDER ADOPTION OF ORDINANCE 1-2-13 O, AN ORDINANCE AMENDING THE DEFINITION OF KENNELS IN THE KANAB CITY LAND USE ORDINANCE:** Council Member Sorenson was concerned about the wording "any residential". He would like to strike that wording. This was discussed. A motion was made by Council Member Wright and 2<sup>nd</sup> by Council Member Brown to adopt Ordinance 1-2-13 O amending the definition of kennels in the Kanab City Land Use Ordinance. Motion passed by roll call vote. Council Members

Carpenter, Brown, Wright and Chamberlain voting yea and Council Member Sorenson voting nay.

**CONSIDER APPOINTMENTS TO THE PLANNING COMMISSION AND THE**

**HERITAGE BOARDS:** A motion was made Council Member Chamberlain and 2<sup>nd</sup> by Council Member Wright to appoint the following to serve on the Planning Commission and the Heritage Council:

<u>Appointee</u>	<u>Office</u>	<u>Term Expires</u>
Kent Burggraaf*	Planning Commission Member	Dec. 2016
Joan Thatcher*	Planning Commission Member	Dec. 2015
Margaret Browning*	Heritage Board Member	Dec. 2016
Robert Aiken*	Heritage Board Member	Dec. 2016
Kendall Brooksby	Heritage Board Member	Dec. 2015
GeorgeAnn Brooksby	Heritage Board Member	Dec. 2015
Norman Nash	Heritage Board Member	Dec. 2014
Lonnie Wright Kirby	Heritage Board Member	Dec. 2014
Winifred Barney	Heritage Board Member	Dec. 2013
Deanna Glover	Heritage Board Member	Dec. 2013

\* denotes first-time appointments to the respective office

Joan Thatcher is replacing Dennis Day who resigned. This is a complete list of the Heritage Board Members. Motion passed unanimously.

**CONSIDER APPROVAL OF 2013 MEETING SCHEDULE:** A motion was made by Council Member Sorenson and 2<sup>nd</sup> by Council Member Wright to approve the 2013 meeting schedule as posted. Motion passed unanimously.

A motion was made by Council Member Wright and 2<sup>nd</sup> by Council Member Sorenson to go into Executive Session to discuss pending or reasonably imminent litigation. Motion passed unanimously. A motion to go out of Executive Session was made by Council Member Brown and 2<sup>nd</sup> by Council Member Carpenter. Motion passed unanimously.

A motion to adjourn was made by Council Member Wright and 2<sup>nd</sup> by Council Member Chamberlain. Motion passed unanimously.

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MAYOR

NINA LAYCOOK

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RECORDER DUANE HUFFMAN

**KANAB CITY COUNCIL RETREAT**  
**JANUARY 25, 2013**  
**217 S 100 E**  
**11:00 A.M.**

**PRESENT:** Mayor Nina Laycook, City Council Members Kirt Carpenter, Joe B. Wright, Cheryl Brown, James Sorenson and Brent Chamberlain, City Manager/Recorder Duane Huffman and City Treasurer RaeLene Johnson.

City Manager Huffman presented an overview of the schedule and discussion of goals for upcoming year. He Said there needs to be some short term goals.

Mayor Laycook presented her segment on liaisons. She explained that when a Council Member is assigned to a Board, that Board is expecting your attendance, participation and communication. This serving as a liaison is an opportunity to build relationships. Remember most board members are volunteers. Be respectful of their time and efforts. Go to meetings prepared and complete any assignments given. Don't commit the Mayor or the Council without prior approval.

Lunch was served.

Council Member Wright presented information about the Uniform Accounting Manual and budgeting.

City Manager Huffman reviewed the General Fund Budget and the different taxes that bring revenue into the City such as the resort sales tax, property tax and energy tax. Mr. Huffman also provided an overview of General Fund expenditures.

Council Member Carpenter presented a session on state law. He said that laws should reflect the way people live.

City Manager Huffman suggested different options to the Council concerning employee positions. City Building Inspector Russell Keller will be retiring March 15<sup>th</sup>. Mr. Huffman suggested replacing the building inspector with a facilities manager, land use/police secretary, a new position as a business coordinator. The Public Works need an assistant public works director which will be offered in house. Mr. Huffman asked permission from the Council to have him work with the department heads on their budgets.

Council Member Brown discussed branding. She showed us different brands to see if we recognized the companies just by their brands. That is what Kanab needs to be known by its brand. (Western Classic).

**KANAB CITY COUNCIL RETREAT**  
**JANUARY 26, 2013**  
**89 E Center St.**  
**7:30 A.M.**

**PRESENT:** Mayor Nina Laycook, City Council Members Kirt Carpenter, Joe B. Wright, Cheryl Brown, James Sorenson and Brent Chamberlain, City Manager/Recorder Duane Huffman

City Manager Huffman reviewed initial goal topics from the day before.

Council Member Sorenson presented a session on branding and community identity. He strongly recommended that the Council participate in a focus group such as Kane County had recently done. The Council discussed wanting to help heal divisions within the community.

Council Member Chamberlain presented a session on successful employee management strategies. Council discussed recognition of employee achievements.

The Council discussed continuing to refine goals at the next regular City Council Meeting.

The meeting was adjourned.

## Resolution 2-1-13 R

### RESOLUTION DESIGNATING PROCURMENT PROCEDURES FOR RECREATION FUND APPROPRIATION

Whereas the Kanab City Council appropriated \$45,000 for recreation capital outlay for the Fiscal Year ending June 30, 2012, as part of Resolution 6-1-12 R; and,

Whereas Kanab City is currently in the process of revising the City's procurement policies and procedures; and,

Whereas the City Council desires to establish temporary policies and procedures governing procurements using the above referenced recreation capital outlay appropriation:

NOW LET IT BE THEREFORE RESOLVED BY THE KANAB CITY COUNCIL THAT the following policies and procedures be enacted to govern the procurements using any of the remaining \$45,000 capital outlay appropriation made by Resolution 6-1-12 R:

- A. Capital expenditures may be made in the following areas: Skate Park, Baseball Fields, Tennis Courts, Jacob Hamblin Park, and Ranchos Park
- B. Procurements greater than \$500 must be pre-reviewed by the City Manager;
- C. Procurements over \$1,000 but less than \$10,000 shall require a minimum of three documented telephone bids;
- D. Procurements over \$10,000 shall require a minimum of three written bids;

All former codes or parts thereof conflicting or inconsistent with provisions of this Resolution are hereby repealed.

The provisions of this Resolution shall be severable, and if any provision thereof, or the application of such provision under any circumstance is held invalid, it shall not affect any other provisions of this Resolution or the application in a different circumstance.

This Resolution shall be effective immediately upon passage.

Passed by the Kanab City Council this 8th day of January, 2013.

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Nina Laycook, Mayor

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Attest: Duane Huffman, Recorder

## **Kanab City Resolution 2-2-13 R**

# **Memorandum of Understanding between Kanab City Corporation and Southwest Utah Public Health Department concerning the Closed POD Provision of Emergency Medical Prophylaxis**

### **I. Purpose**

This Memorandum of Understanding (MOU) is made and entered into by and between the Southwest Utah Public Health Department (SWUPHD) and Kanab City for the purpose of cooperation as it relates to the deployment and dispensing of prophylactic medications and other supplies made available from the Centers for Disease Control and Prevention's (CDC) Strategic National Stockpile (SNS), through the Utah Department of Health (UDOH) and Southwest Utah Public Health Department (SWUPHD).

**WHEREAS**, the SWUPHD will receive emergency prophylactic medications through the CDC SNS program following a widespread bio-event, and SWUPHD will be responsible for delivering the same to potentially exposed populations in a highly efficient manner to save lives; and,

**WHEREAS**, SWUPHD seeks a mechanism to provide these prophylactic medications to potentially exposed populations that may be required to report to duty and unable to pickup at public Points of Dispensing (PODs); and,

**WHEREAS**, Kanab City seeks to safeguard its emergency response staff, and has the infrastructure and resources to dispense medical prophylaxis to these populations upon receipt of medicine; and,

**WHEREAS**, the SWUPHD and Kanab City intend to cooperate and collaborate to serve the community in such an event,

**NOW THEREFORE**, the Southwest Utah Public Health Department and Kanab City understand and mutually agree to the extent possible, with consideration to available resources, current federal, state, and local laws, Kanab City policies, regulations, and procedures, to reciprocate assistance in accordance with the provisions of this MOU.

### **II. Definitions:**

1. Closed POD: A closed POD is one that is operated by an organization, business or other entity for its own members, employees, employees' family members, etc., and is not open to the general public.

2. Strategic National Stockpile (SNS): A national repository of antibiotics, chemical antidotes, antitoxins, life-support medications, IV administration, airway maintenance supplies, and medical/surgical items designed to supplement and re-supply state and local public health agencies in the event of a national emergency anywhere and at anytime within the U.S. or its territories.
3. Point of Dispensing (POD): A mass dispensing site that is capable of providing medications (prophylaxis) or vaccinations to protect the population from biological threats or epidemics. Routine medical care is not provided in a POD.
4. Provider: Business/Organization serving as a CLOSED POD.

### **III. Liability**

It is understood that none of the parties to this agreement waive any of their sovereign or statutory immunities that are otherwise available under United States or Utah law, or provide any liability protections or indemnification to one another under this agreement.

### **IV. Scope**

For planning purposes, it is assumed the Kanab City population requiring institutional delivery of emergency prophylactic medications, is defined as Employees, Firefighters, and Immediate Family consisting of 240 individuals.

### **V. Responsibilities**

#### **A. SOUTHWEST UTAH PUBLIC HEALTH DEPARTMENT (SWUPHD)**

##### **Planning**

1. Southwest Utah Public Health Department (SWUPHD) will supply draft protocols and supporting documents for planning, activation, delivery, and dispensing operations to support the development of Kanab City response plans.
2. Southwest Utah Public Health Department (SWUPHD) will meet with Kanab City to review receipt and dispensing plans.
3. Southwest Utah Public Health Department (SWUPHD) will notify Kanab City of any state or Federal planning changes that would affect developed plans.

##### **Activation and Operation**

1. Southwest Utah Public Health Department (SWUPHD) will coordinate request and receipt of SNS prophylactic medications from the CDC.
2. Southwest Utah Public Health Department (SWUPHD) will notify Kanab City of the decision to provide medical prophylaxis to an exposed population and the decision to activate this agreement to support any such population. Southwest Utah Public Health Department (SWUPHD) will request confirmation of current population, designated receiving agent, and delivery location.
3. If necessary, Southwest Utah Public Health Department (SWUPHD) will determine delivery apportionment based on: Current and expected supply levels, pre-defined or updated Kanab City population numbers, and the prevailing epidemiology and medical

directives as prescribed by the Southwest Utah Public Health Department (SWUPHD) Medical Director.

4. Southwest Utah Public Health Department (SWUPHD) will provide any updated scenario information and coordinate delivery of medications and supporting information and forms to the designated Kanab City location at: Kanab Fire Station #1.
5. If circumstances require pickup by Kanab City, Southwest Utah Public Health Department (SWUPHD) will provide pickup location and pickup time, and will request confirmation of pickup agent. At pickup site, Southwest Utah Public Health Department (SWUPHD) will verify the credentials of pickup agent and will transfer custody of medications.

#### **Recovery**

1. Southwest Utah Public Health Department (SWUPHD) will coordinate with the Gentiva Health Services for pickup of remaining materials.

### **B. Kanab City**

#### **Planning**

1. Kanab City will provide Southwest Utah Public Health Department (SWUPHD) with the population estimates of both the average and likely maximum numbers of the populations described in the scope.
2. Kanab City will designate and plan for a location to efficiently receive delivery of medical prophylaxis materials from Southwest Utah Public Health Department (SWUPHD).
3. Kanab City will develop plans and identify internal resources to support the dispensing of emergency medical prophylaxis to the populations outlined in the scope.
4. Kanab City will follow all appropriate laws, regulations, and policies applicable to it.

#### **Activation and Operation**

1. Kanab City will provide for the proper receipt and storage of prophylactic medications from Southwest Utah Public Health Department (SWUPHD).
2. Kanab City will dispense medications consistent with current directives and/or just-in-time-training offered from the Southwest Utah Public Health Department (SWUPHD) Medical Director and consistent with agreed upon plans and protocols, inclusive of providing the appropriate patient information and screening.
3. Upon request from Southwest Utah Public Health Department (SWUPHD), Kanab City will provide reports of: the number of prophylactic regimens that have been dispensed, the amount of remaining supplies, and any expected resupply needs.
4. In the event Kanab City is “Locked Down” due to an increased threat, off-site emergency response to Kanab City may be hindered during the initial hours of the incident/event. During such an event, Kanab City will make arrangements to pickup emergency prophylactic materials from Southwest Utah Public Health Department (SWUPHD) or grant Southwest Utah Public Health Department (SWUPHD) access to deliver emergency prophylactic materials, upon mutual agreement at the time of the event. Given the nature and scope of such an event, each situation is unique and will require consideration and approval on a case-by-case basis.

#### **5. Recovery**

Kanab City will notify Southwest Utah Public Health Department (SWUPHD) of completion of operations and of the on-hand remaining materials. Kanab City will package the remaining materials for pickup and will store them in an appropriate and secure environment until pickup by the Southwest Utah Public Health Department (SWUPHD) designated representative.

## **VI. Points of Contact**

- **Southwest Utah Public Health Department:**

Primary Point of Contact:

Name: Paulette Valentine

Title: Director of Communicable Disease and Emergency Preparedness

Address: 620 South 400 East, Suite 400, St. George UT 84770

Telephone: 435-986-2579 or 435-817-2698

Fax: 435-986-2571

E-mail: pvalentine@utah.gov

Alternate Point of Contact:

Name: Susan Peck

Title: Director of Nursing

Telephone: 435-865-5149 or 435-463-4321

Fax: 435-628-6425

E-mail: speck@utah.gov

- **Kanab City**

Primary Point of Contact:

Name: Joe Decker

Title: Fire Chief

Telephone: 435-644-2718

Fax: 435-644-2536

E-mail: kfd@kanab.net

Alternate Point of Contact:

Name: Stuart Willoughby

Title: Assistant Fire Chief

Telephone: 435-644-2718

Fax: 435-644-2536

E-mail: swilloughby@kchosp.net

24 Hour Point of Contact:

Name: Joe Decker

Telephone: 435-689-1577

Fax: 435-644-2536

## **Duration of the Agreement**

The effective period of this Memorandum of Understanding begins on the date of signature and remains in effect indefinitely unless so modified, changed, amended or terminated in writing by either party with 60 days notice. Either party may request a review of the Memorandum of Understanding at any time, if so desired.

**VII. Modification, Change, Amendment, or Termination**

Any modifications, changes, or amendments to this agreement must be in writing, and are contingent upon approval by both the Southwest Utah Public Health Department (SWUPHD) and *Kanab City*.

**VIII. Miscellaneous**

This MOU is not intended, and should not be construed, to create any right or benefit, substantive or procedural, enforceable at law or otherwise by any party against the parties, their parent agencies, the United States, or the officers, employees, agents or other associated personnel thereof.

This MOU is not an obligation or commitment of funds, nor a basis for transfer of funds, but rather is a basic statement of the understanding between the parties hereto of the tasks and methods for performing the tasks herein. Unless otherwise agreed in writing, each party shall bear its own costs in relation to this MOU. Expenditures by each party will be subject to its budgetary processes and to the availability of funds and resources pursuant to applicable laws, regulations and policies. The parties expressly acknowledge that this in no way implies that the United States Congress will appropriate funds for such expenditures.

**IX. Concurrence**

It is agreed that this written statement embodies the entire agreement of the parties regarding this affiliation, and no other agreements exist between the parties except as expressed in this document. All parties to this agreement concur with the level of support and resource commitments that are documented herein.

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David W. Blodgett, M.D., M.P.H.  
Director / Health Officer  
Southwest Utah Public Health  
Department

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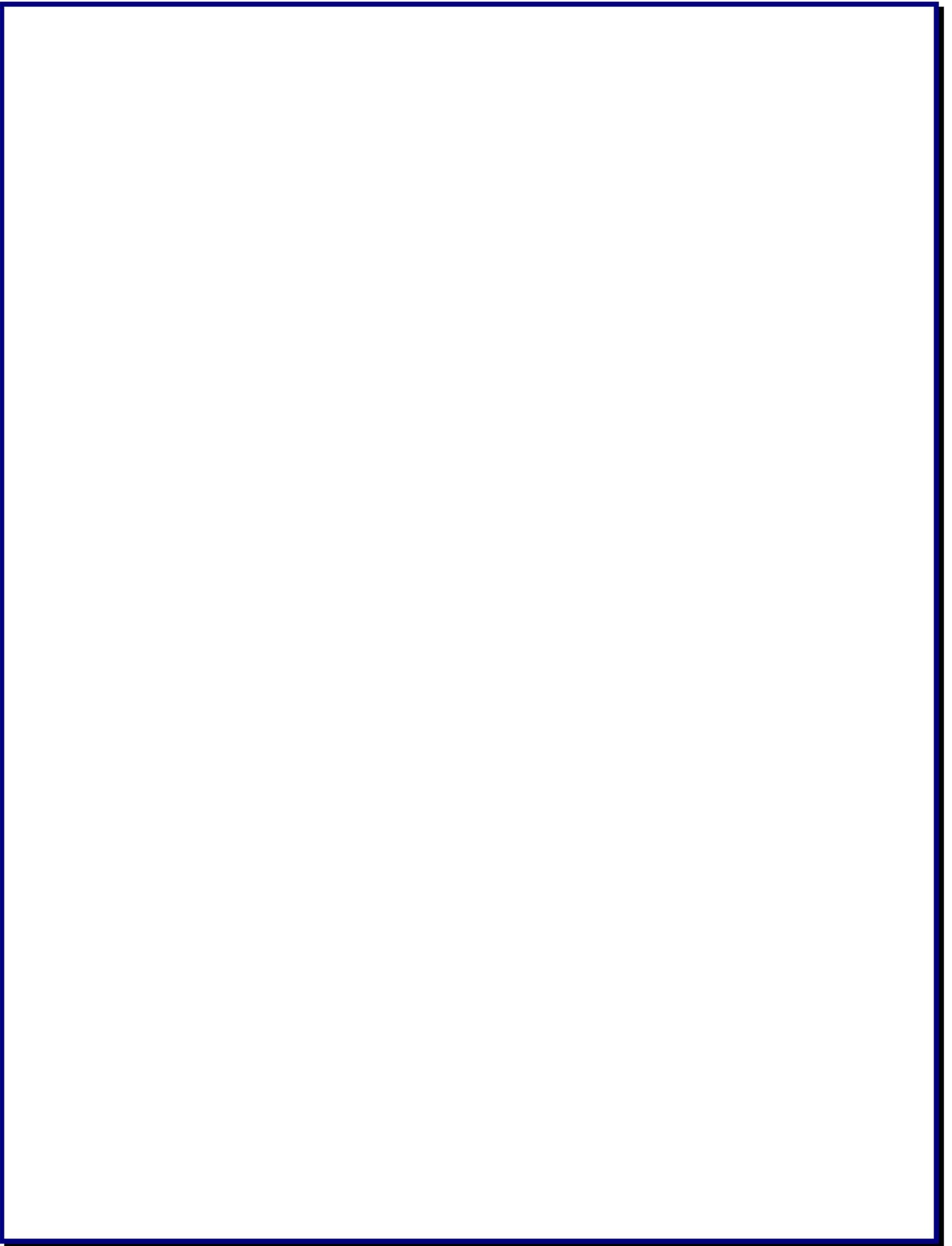
Nina Laycook  
Mayor  
Kanab City

Date: \_\_\_\_\_

Date: \_\_\_\_\_

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Attest: Duane Huffman, City Recorder



Example Dispensing Decision Matrix – Medical Screening Form  
 (May require event-based modification)

<b>1</b>  LIST ALL THOSE FOR WHOM YOU ARE PICKING UP MEDICATIONS TODAY, INCLUDING YOURSELF		<b>2</b> Answer questions A and B below for <b>EACH</b> person listed in Column 1:				
		<b>A</b> Is person allergic to or shouldn't take any of these: <ul style="list-style-type: none"> <li>• Doxycycline</li> <li>• Vibramycin</li> <li>• Minocycline</li> <li>• Tetracycline</li> </ul>	<b>B</b> Is person allergic to or shouldn't take any of these: <ul style="list-style-type: none"> <li>• Ciprofloxacin</li> <li>• Levofloxacin (Levaquin)</li> <li>• Ofloxacin</li> <li>• Gatifloxacin</li> <li>• Moxifloxacin</li> </ul> <p style="text-align: center;"><b><u>OR</u></b></p> Is person taking: <ul style="list-style-type: none"> <li>• Tizanidine (Zanaflex)</li> </ul> If either of the above is "Yes", indicate "Yes" below.	<b>DECISION MATRIX – STAFF USE ONLY</b>		
<b>Answer A</b>		<b>Answer B</b>		<b>Provide</b>		
		No / DK	No / DK	Doxy		
		No / DK	Yes	Doxy		
		Yes	No / DK	Cipro		
		Yes	Yes	Refer		
<b>Last Southwest Utah Public Health Department</b>	<b>First Southwest Utah Public Health Department</b>	<b>Yes, No or Don't Know?</b>		<b>CIRCLE MEDICATION TO BE PROVIDED STAFF USE ONLY</b>		
				Doxy	Cipro	Refer
				Doxy	Cipro	Refer
				Doxy	Cipro	Refer
				Doxy	Cipro	Refer
				Doxy	Cipro	Refer
		<b>Add Totals Under Doxy &amp; Cipro Columns:</b>				
		<b>3 EACH PERSON SHOULD TAKE THE MEDICINE CIRCLED IN THEIR ROW.</b>				



**Kanab City  
Councilmember Assignments  
2013**

**Cheryl Brown**

Parks & Recreation/Trails Board \*  
Beautification/Shade Tree Board  
Disaster Response\*  
Variety Arts Council

**Kirt Carpenter**

Airport (Board tbd)  
Disaster Response\*

**Brent Chamberlain**

Parks & Recreation/Trails Board\*  
Western Legends Roundup  
Heritage Commission  
Chamber of Commerce

**Jim Sorenson**

Planning & Zoning Commission  
CEBA Interlocal Agency  
Branding\*\*  
Website\*\*

**Joe B. Wright**

Kane County Water Conservancy District  
Library Board

**Nina Laycook**

Western Kane Special Service District  
CEBA Interlocal Agency  
Five Counties Assoc. of Gov. Steering Committee  
Kanab City Admin./City Manager & Departments

\*redundancy intentional

\*\*assignment with no standing Board

**ENGINEERING SERVICES AGREEMENT**  
**FOR**  
**CULINARY WATER CAPITAL FACILITIES PLAN UPDATE**  
**BETWEEN**  
**THE CITY OF KANAB**  
**AND**  
**ALPHA ENGINEERING COMPANY**

This AGREEMENT made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2013 by and BETWEEN the OWNER:

City of Kanab  
76 North Main Street  
Kanab, Utah 84741

Hereinafter referred to as the OWNER, and the ENGINEER:

Alpha Engineering Company  
43 South 100 East, Suite 100  
St. George, Utah 84770

Hereinafter referred to as the ENGINEER.

Witnesseth:

WHEREAS, the OWNER desires to update the culinary water portion of the capital facilities plan to consider options for conservation and;

WHEREAS, the ENGINEER is professionally qualified and able to assist the OWNER in the completion of said capital facilities plan update.

NOW THEREFORE, the parties hereto, each in consideration of the covenants set forth, do agree to the terms and conditions as hereinafter enumerated:

**ARTICLE 1**

**SCOPE OF WORK**

The general extent of design engineering work to be performed is outlined as follows:

**1.1 Culinary Water Capital Facilities Plan Update:**

- A. **Water Conservation Plan Update:** This item will include coordination with Kanab City to update the latest version of the Water Conservation Plan. In addition the plan will be updated to reflect current water budget and usage. The selected alternatives for water conservation measures will be evaluated and updated, if necessary.

B. **Culinary Water Capital Facilities Plan Update:** The updated Water Conservation Plan will then be incorporated specifically into the Culinary Water portion of the Capital Facilities Plan (CFP). The update will include revising the plan to include recently completed capital projects including the drilling of the new West Fork Wells and the installation of the Kanab Creek Canyon Pipeline. The culinary water portion of the CFP will be modified to account for both long term projected use based on population as well as long term use based on staged implementation of the water conservation plan. Usage will be projected for both options and the estimated capital costs will be prepared for both options.

1.2 **Additional Services.** The ENGINEER will provide additional services mutually agreed upon at our standard hourly rates.

## ARTICLE 2

### **BASIS OF COMPENSATION**

The OWNER agrees to pay compensation to the ENGINEER for work performed on the project as specified below:

- 2.1 **Design Fee.** For engineering services as outlined in Article 1, "Scope of Work", the ENGINEER shall be compensated the fixed fee of: Five Thousand Nine Hundred and Twenty Four dollars, \$5,924.00.
- 2.1 **Additional Services.** Additional work and reproduction expenses will be invoiced per our *Standard Rate Schedule* (Attachment "A"). No extra work will be performed without the consent of the OWNER.
- 3.4 **Payment Schedule.** Progress payments shall be made in proportion to services performed as indicated and shall be due within 30 days of the ENGINEER's submittal of his invoice. Any amounts not paid within 30 days from date of presentation of the invoice shall commence to bear an interest of 18% per annum.

## ARTICLE 4

### **GENERAL CONDITIONS**

- 4.1 **Liability.** The ENGINEER shall provide and maintain during the existence of the AGREEMENT, for the protection of the ENGINEER and the OWNER the following insurance coverage:
- General Liability Insurance not less than One Million Dollars (\$1,000,000).
  - Professional Liability Insurance or Errors and Omissions Insurance not less than One Million Dollars (\$1,000,000) insuring against any negligent error or omission which may be committed by the ENGINEER in the performance of this AGREEMENT.
- 4.2 **Utah Law.** The laws of the State of Utah will govern any litigation, controversy, or adversary proceeding.

- 4.3 Outside Costs.** The OWNER will pay the costs of all fees related to this project including checking, inspection, zoning, annexation, applications, assessments, permits, bond premiums, advertisements, title company charges, and all other charges not specifically covered under terms of this contract.
- 4.4 Progress.** The ENGINEER will begin work within one week after receipt of official notice to proceed, and will perform the work diligently and to the OWNER's satisfaction. Failure of the ENGINEER to make progress satisfactory to the OWNER except for valid reasons beyond the control of the ENGINEER, shall provide the OWNER the right to terminate this AGREEMENT, and such termination shall be in writing.
- 4.5 Termination.** In the event that the OWNER finds it expedient to terminate this AGREEMENT prior to the completion of all the services and materials required herein, an appraisal of the value of the work performed by the ENGINEER to the date of such termination shall be made upon a basis equitable to the OWNER and the ENGINEER. Final payment will be determined upon review of the amount of such appraisal. Upon such termination or abandonment and final payment to the ENGINEER, the ENGINEER will deliver all contract documents and records completed or partially completed and all unused materials supplied by OWNER, and these shall become the property of the OWNER.
- 4.6 Contract Modifications.** This contract constitutes the entire AGREEMENT between the parties hereto. No modification hereof shall be effective unless and until such modifications are evidenced by a writing signed by both parties to this AGREEMENT.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this AGREEMENT in duplicate on the date first indicated.

ENGINEER:

Alpha Engineering Company

By:   
Brent E. Gardner, President

OWNER:

City of Kanab

By: \_\_\_\_\_  
Nina Laycook, Mayor

Attest:

\_\_\_\_\_  
City Recorder

Approval as to form:

\_\_\_\_\_  
City Attorney

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## Water Conservation Plan

### I. Introduction

In response to the hot, dry summers throughout the state of Utah, our citizens and leaders are becoming concerned for the future cost and availability of the water supply. A similar concern has been demonstrated by the state legislature in the Water Conservation plan Act (House Bill 153), passed and revised in the 1999 legislative session (Section 73-10-32 Utah Code Annotated). This water conservation plan is written to address the concerns of leaders and citizens of both our City and the State of Utah. The Water Conservation Plan for the City of Kanab is presented herein and presents goals for meeting present and future culinary water needs.

### II. Background Information

#### A. History of Utility and Water Development

Several towns in southern Utah, including Kanab, were first settled in the 1860's and were then abandoned. These towns included Sink Valley, Skutumpah, Roundy's Station and upper Kanab. Levi Stewart, and others resettled Kanab in 1870, at the request of Brigham Young. Johnson, on Johnson Creek, was settled in 1871, but eventually dwindled to a few ranching operations. Johnson Canyon is now slowly increasing in population.

The Kane County boundaries were established in their present location in 1864, by the territorial legislature. Water and its availability have played an important role in the development of Kane County. Early settlements were located near reliable sources of water, either springs or easily accessible streams. Over the years, these towns have slowly grown but have maintained their dependence on easily available water sources for both irrigation and culinary water (KCWCD, 1996).

Kanab Creek supplied the original source of water for Kanab. Several attempts to construct a dam near Three Lakes Canyon failed, however a dam was built down stream. For a time, it was necessary to haul water 1.5 miles from the creek to the town. Sand in the water had to settle out prior to use. Water was so precious that stories are told of using the same water for bathing, washing clothes, scrubbing floors and finally, watering plants.

In 1898-1899, a settling pond was constructed north of town, and water was piped to homes by means of wooden pipes. Excessive leaks in the pipes resulted in an unreliable and inadequate supply.

In 1935, a large cistern made from sandstone was constructed on the cliffs north of Kanab and a 6-inch cast iron water line was laid to the City. In 1952, the culinary water yield was increased from 165 to 200 gallons per minute by completion of a well in the north end of Three Lakes Canyon. One-half mile of 4-inch diameter pipe was installed to connect the new well to the culinary system. Although still inadequate during July and August, the well provided a steady water supply.

An additional well was completed in 1957; and in 1959, 10-inch water mains were constructed from Cave Lake Canyon to Kanab Creek bridge along with 12-inch water mains from the bridge to the City. A third well was drilled in Cave Lake Canyon in 1964, and a chlorination structure was installed on the well.

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Growth continued, and in 1973, wells # 4 and #5 were completed to provide water for the Kanab Creek Ranchos area. Three additional wells were attempted, however, the wells were dry or of insufficient water flow.

In 1975, the city purchased two 1.5-million gallon storage tanks, which were installed north of town. In 1976, two steel tanks were constructed in the Kanab Creek Ranchos areas. Wells # 9 and #10 were drilled in 1979, and in 1982, a 16-inch line was installed from Moqui Cave to the north tanks. Pressurized irrigation was completed in 1982. In 1983, well # 11 was drilled and added to the system. In 1985, well # 12 was drilled. In 1986, Well # 13 was drilled, 1989 well # 14 was drilled, and well # 15 was drilled in 1993. In 1997 R-1, R-2, and R-3 were drilled but produced very little water. The School Section lease was sold to Best Friends Animal Sanctuary. In 1999, two new one million-gallon concrete water tanks were built to replace the steel tanks in the ranchos. One tank on Standsfield Dr. and another on Vermillion Dr. West fork well # 1 and 2 were drilled in 2000. West fork well # 3 was drilled in 2006. In 2001, the two steel 1.5 million-gallon water tanks were re-coated to match the color of the sand stone. Currently (2009) we are drilling West Fork well # 4 and #5.

### B. Description of Utility

The City of Kanab provides its residents with culinary water and is responsible for delivery, storage, and distribution. In March of 2009 Kanab had a population of 4120 people. The service area of Kanab City is approximately 13 square miles. Today the water system has 1941 service connections ranging in size from  $\frac{3}{4}$  inch to 4 inches.

### C. General Policy or Goals of Utility

The goal of Kanab City is "To provide the City of Kanab a plentiful supply of safe drinking water". The current system is in the process of being upgraded in order to meet that goal.

## III. Existing Resources

### A. Water Rights

Kanab City has appropriated water rights of 13.68 cfs (8,842,000 gallons per day) with a total of 9,910 acre-feet diversion right. The water rights owned by Kanab City are summarized in Table 1.

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**TABLE 1  
KANAB CITY EXISTING WATER RIGHTS**

No.	Priority	Source	Flow	
			CFS	Ac-Ft*
85-28	1956	Well	0.448	324.56
85-39	1956	Well	0.885	641.15
85-55	1963	Well	1.000	724.46
85-59	1964	Well	1.810	1,311.28
85-112	1864	Springs: Trough, Big, Cave 1&2, Cold, Iron 1&2, Little, Robinson, Slab, Slide, South, Twin, Weeping, Willow, Boiling, Head 1&2, Spring 1&2	0.500	362.23
85-703	1896	City Chicken Spring	0.033	23.91
85-708	1896	Hog Canyon Springs	0.075	54.33
85-736	1962	Well	0.930	673.75
85-772	1977	Well	3.480	2,521.13
85-946	1962	Well	3.020	2,187.88
85-956	1962	Well	1.500	1,086.69
Total Flow			13.680	9,910.65

\*Calculated from CFS.

**B. Delivery System**

Kanab receives water from a number of wells and springs with a total capacity of 2,707 gpm in the existing system. Springs and wells currently capable of delivering water to Kanab are summarized in Table 2.

**TABLE 2  
KANAB CITY EXISTING DELIVERY CAPACITY**

Source	Yield (gpm)	Size Inches	Treatment	Comments
Cave Lake Springs	65	NA	Chlorination	8 of 22 springs are used year around
Cave Lake Well #3	(225)			Backup to well #5, seldom used
Mace Well #2	100	12	Chlorination	
Mace Pink Well #9	325	12	Chlorination	
Chicken Canyon Well #4	65	12	Chlorination	
Cave Lakes Well #5	(575)	12	Chlorination	Sandy, seldom used
Well #12	500	10	Chlorination	
School Section Well #11	235	10	Chlorination	
Hinckley Well #13	500	10	Chlorination	
Well #14	410	10	Chlorination	
Well # 15	65	10	Chlorination	
West Fork Well # 1	325	10	Chlorination	
West Fork Well # 2	450	10	Chlorination	
West Fork Well # 3	100	12	Chlorination	
West Fork Well # 4	(600)	12	Chlorination	
West Fork Well # 5	(160)	12	Chlorination	
Total	3087			Does not include yields in ()

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The principal aquifer for Kanab culinary water is the Navajo Sandstone. The two most favorable water bearing strata are the base of the Navajo Sandstone and the base of the Lamb Point Tongue which is about 400 to 500 feet thick and separated from the Navajo proper by about 100 feet of the Tenney Canyon Tongue of the Kayenta Formation.

Saturated thickness of the Navajo Sandstone aquifer varies from 50 to 100 feet near the southern edge of the Vermillion Cliffs to more than 2000 feet in the upper Pink Cliffs area. This aquifer has been estimated to contain more than 200 million acre-feet of recoverable water, though at considerable depth in some locations.

The 1993 State Water Plan for the Kanab Creek/Virgin River Basin indicates that there is no evidence of widespread drawdown in well water levels in the Kanab Creek or Johnson Wash drainages. The potential for additional groundwater development exists in all of Western Kane County by drilling wells at favorable locations. This will need to be accomplished with care to avoid discharging more groundwater than can be recharged over the long run. Significant pumping of groundwater anywhere in the Kanab Creek drainage area would probably affect water levels elsewhere in the aquifer, and perhaps also in overlying and underlying aquifers (Draft Water Resources, Master Plan, Phase 1 & II.)

### C. Storage

Kanab City currently owns four water storage tanks with a total capacity of 5 million gallons. The tanks include:

- Two - 1.5 million gallon tanks at the north end of Main Street (North Tanks)
- One- 1million gallon tank at the west end of Stansfield Drive (Stansfield)
- One- 1million gallon tank at the west end of Vermillion Drive (Vermillion)

### D. Distribution System

The present distribution system for Kanab includes 16" PVC and 16" and 10" ductile iron pipes from the North tanks and 8" PVC line from the West tanks. Distribution lines throughout Kanab City proper largely consist of 6" to 8" PVC and cast iron lines. Refer to Sheets 1 through 5 for more detailed information.

### E. Treatment

Kanab receives its culinary water from high quality groundwater sources. Treatment is applied to the majority of water at the sand trap/chlorination plant located near Moqui Cave.

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**IV. Water Budgets**

The following table shows the amount of water delivered into the Kanab system and the metered outflows to the end-users for the years 2004 to 2008.

**Table 3**

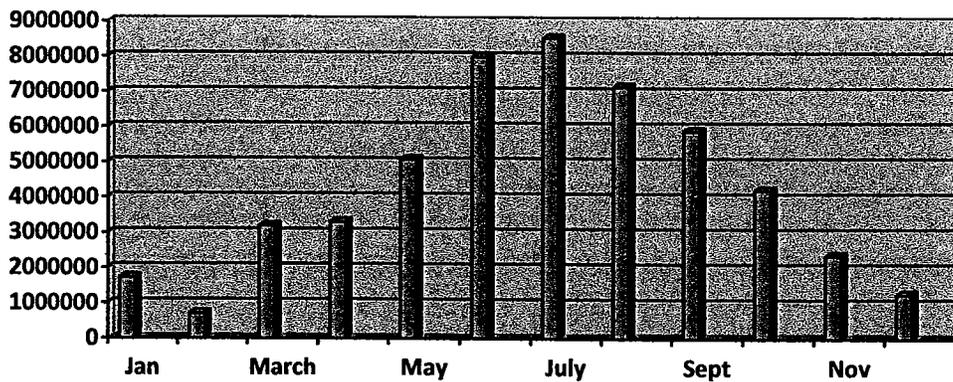
**City Water Budget-2004-2008**

Year	INFLOW (AF)			OUTFLOW (AF)				% Diff.
	Wells	Springs	Total	Res	Com	Ind	Total	
2004	1603.45	38.93	1642.38	790.33	620.20	2.82	1413.35	- 14
2005	1608.5	16.4	1624.9	718.29	796.51	4.29	1519.09	- 6.9
2006	1354.18	133.08	1766.3	774.91	629.11	5.52	1409.54	- 5
2007	1760.6	114.64	1875.24	819.22	962.11	3.43	1784.77	- 5
2008	1438.26	67.83	1597.88	783.74	611.35	.87	1395.96	- 3

**PRESENT WATER USE AND FUTURE WATER NEEDS**

When all uses of culinary grade water are compared with the number of people living in Kanab in 2008, residents use 302 gallons of water per capita per day (gpcd). This is compared to the statewide average of 260 gpcd and 184 gpcd nationally. Unmetered secondary irrigation systems, which provide lower quality water to about 20% of homes in Kanab. Total monthly water use for 2008 is shown in Figure 1.

**Figure 1**



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Based on impact fee analyses (Alpha Engineering, 1997), as of May 1997, there were 1,666 *equivalent residential units* in the City of Kanab. An *equivalent residential unit (eru)* is a term used to equate culinary service connections to facilities such as schools, churches, and commercial facilities to those of residential consumers.

Assuming the peak day demand is equal to the average daily flow of 2,620,000 gallons (79,935,000/30.5 days) in June and July of 1996 (from Table 3), the *peak day demand* is 1,573 gpd/eru. Using the total flow for the year ending in May 1997, the *average yearly demand* is 285,600 gallons.

### Future Population Estimates

The extent of the city's expected future population growth through the year 2038 is shown in table 4. Many factors influence this projection, and the estimates shown may vary substantially from the actual population experienced.

**TABLE 4**  
**KANAB CITY POPULATION PROJECTIONS**

Year	% Annual Change	Projected Population
2008	1.8	4000
2012	1.8	4951
2028	1.8	5947
2038	1.8	6886

### **Current Conservation Practices**

Kanab is located on the fringes of the Mohave Desert and in the extreme southern part of the state of Utah. We use more water during the summer when it rains the least. Most of the water is used for outside irrigation, as we do not have a secondary system that can water all of town. The Kane County Water Conservation District is in the process of building a secondary water system for Kanab. We compared the residents water use to the data collected by Dr. Robert Hill from USU Extension. The total evapotranspiration rate for Kanab for turf grass is 28.32 inches per growing season.

Calculated out to some typical irrigated areas:

Size	Should use no more than X gallons per season (Mar – Oct)
1/8acre	96,068 gallons
¼ acre	192,136 gallons
½ acre	384,272 gallons
1 acre	768,544 gallons

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To determine what a residential summer use is, take an average of the winter (non-irrigated) months, then subtract that average from the totals from March-October. This gives us some idea of how people are doing.

**Conclusion:** Most homes were watering less than Dr. Robert Hill suggested they should use. We then looked at what the schools and Kanab City used on park, cemeteries and golf courses. If we take away the 92,360,000 million gallons use to water these and the 30,371,000 million gallons use to water the schools playgrounds and football and baseball fields then our residents used 220 gpcd.

We feel that Kanab City and the Schools should be able to cut back on water by 25% 30,682,750 gallons. This would have Kanab at 281 gpcd.

Review how much water was used annually and discuss with council person over water.

## V. Culinary Water Supply/Shortage and Drought Management

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**POLICY:** It shall be the policy of the City to implement the procedures and restrictions outlined herein under four stages of culinary water resource shortage that may occur in the Kanab area.

### **PROCEDURES AND RESPONSIBILITIES:**

The City shall encourage wise use of water and conservation of all water resources on an on-going basis.

If a culinary water shortage or drought is expected, the City will implement the attached four-stage shortage of culinary water conservation management plan. The implementation will be under the approval and direction of the City Council and City Manager. The City Staff (**City department heads and City Manager**) shall meet on a regular basis to discuss the drought conditions and ensure all City departments are doing their part to comply, enforce and encourage the outlined water conservation measures.

The following shortage or drought indicators will be used to decide what stage or level should be implemented.

#### **Stage 1:**

If total culinary supply (wells, or springs,) exceeds the total daily demand by only 2% to 3% (i.e.: water tanks cannot recover):

- ◆ Water resources are reduced by 2% to 3% due to equipment failure or lack of supply.

#### **Stage 2:**

- ◆ Total culinary water resources are reduced by 5% of peak capacity due to equipment failure or any other loss.
- ◆ Total culinary demand exceeds supply by 1% to 3% and Stage 1 restrictions fail to meet goal.

#### **Stage 3:**

- ◆ Total culinary water resources are reduced by 10% of peak capacity due to equipment failure or any other loss.
- ◆ Total culinary water demand exceeds supply by 5% and Stage 2 restrictions fail to meet goal.

#### **Stage 4:**

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- ◆ Total culinary water resources are reduced by 25% of peak capacity due to equipment failure or any other loss
- ◆ Total culinary water demand exceeds supply by 10% and Stage 3 restrictions fail to meet goal.

## **MANAGEMENT PLAN**

### **STAGE 1: Voluntary Restrictions on nonessential water use:**

Estimated reduction goal - 2% to 3% of peak use

**Procedure:** Publish attached news release in local newspaper, on the web site, local TV station and have radio stations announce the release.

#### **News Release:**

The City of Kanab and surrounding areas are currently experiencing a shortage of water supply. The supply cannot meet the current demands. The City adopted a water shortage drought management plan on April 13, 2004. This plan involves four stages of water conservation/reduction. Due to the current conditions, the City has decided to implement Stage 1 of this plan. Stage 1 involves voluntary restrictions on non-essential water use. This stage requests that all City, County, State and Federal organizations also follow these criteria. All citizens are to conserve water wherever possible (inside and outside) and suggest the following as guidelines for water conservation efforts.

#### **INSIDE:**

- ◆ Fix dripping and leaking faucets and toilets. A leak in the toilet can waste more than 100 gallons of water a day.
- ◆ Don't let the water run while shaving. Filling the sink basin when shaving uses 1 gallon of water, letting the water run uses 5 -10 gallons.
- ◆ Don't flush the toilet unnecessarily. Water saving toilets use 1.6 gallons of water, standard toilets use 5 to 7 gallons of water each time it's flushed.
- ◆ Take shorter showers or fill bathtub only part way. Long showers waste 5 to 10 gallons of water every minute.
- ◆ Don't run the water while brushing teeth. Turning the water off while brushing your teeth can save 1.5 to 3.5 gallons of water.
- ◆ Don't run the tap to make water hot or cold.
- ◆ Keep a bottle of drinking water in the refrigerator so you don't have to run the tap to get a cool drink of water.
- ◆ Wash only full loads of dishes and laundry. A dishwasher uses approximately 25 gallons of water, a washing machine uses 30 -35 gallons of water per cycle. Install water-saving plumbing fixtures. A water saving showerhead can save 1.5 gallons of water per minute.
- ◆ Wash fruits and vegetables in a basin instead of under running water.

#### **Outside:**

- ◆ Raise your lawn mower cutting height. Longer grass needs less water.
- ◆ Don't plant any new grass or sod.
- ◆ Don't fill swimming pools. If possible, cover the swimming pool. An uncovered pool will lose 900 - 3,000 gallons of water a month to evaporation, a covered pool loses 300 -1,000 gallons a month.
- ◆ Use mulch around shrubs and garden plants to save soil moisture.
- ◆ Don't wash cars or wash at a facility that recycles water. Washing the car with the hose running uses 100-200 gallons of water.
- ◆ Sweep sidewalks and steps rather than hosing.

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- ◆ Water lawns & gardens every 3 or 4 days, to 1 inch deep. Deep watering encourages deep root growth. If the water is running off, turn off the sprinkler, let the water soak in and start watering again. A typical sprinkler system uses 20 gallons of water every minute.
- ◆ Avoid watering on windy days or midday when the evaporation rate is the highest. Water after 7:00 PM.
- ◆ Keep fire hydrants closed.
- ◆ Adjust sprinklers to not spray road or sidewalk.
- ◆ Repair leaks in hoses, pipes, faucets and connections.

If the implementation of these voluntary restrictions does not reduce the water demand enough to meet the supply, the City will have to go to Stage 2, 3 or 4 of the drought shortage of culinary water and drought management plan, which involves mandatory restrictions.

### **STAGE 2: Mandatory restrictions on nonessential water use:**

Estimated reduction goal - 5% to 10% of peak use.

**Procedure:** By authority of the City Manager and the City Council, the following water conservation measures along with those of Stage 1 will be implemented.

- ◆ All parks currently on culinary water will be allowed to water every three days at a reduced level of demand.
- ◆ Residential and commercial users will be allowed to water outside areas based on odd/even concept. (If the address is even or odd will determine the day of watering.)
- ◆ Use of water for noncommercial car washing, streets washing, or driveway washing will not be allowed.
- ◆ Use of water for ornamental fountains, waterfalls, or reflection pools will not be allowed.
- ◆ During this stage the approval of any new developments will be delayed until the conservation restrictions are lifted.

### **Enforcement**

If any person or entity violates these restrictions, citations could be issued, or the City may elect to remove the water service from the property.

### **STAGE 3: Mandatory restriction on all culinary water uses:**

Estimated reduction goal -10% to 25% of peak use.

**Procedure:** authority of the City Manager and the City Council will implement the following water conservation measures:

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- ◆ The use of fire hydrants for purposes other than fire protection will not be allowed for use by municipal departments, contractors and all others except as deemed necessary and approved in the interest of public health or safety by the City.
  
- ◆ Water use for the following non-essential uses will not be allowed:
  - Non-commercial washing of automobiles and trucks.
  - The washing of streets, driveways, and sidewalks.
  - Ornamental water use including, but not limited to fountains, artificial waterfalls and reflecting pools.
  - The use of water to fill and top off swimming pools, hot tubs etc.
  
- ◆ Users will be allowed 75% of use levels for the same month of the proceeding year. All users will reduce demand by 25%.

### **Enforcement**

If any person or entity violates these restrictions, citations could be issued, or the City may elect to remove the water service from the property.

The utility billing department will monitor usage by using triggers and computer alarms for notifications.

### **Exemptions or Variance:**

1. If compliance with the non-essential use of water restrictions would result in extraordinary hardship upon a water user, the water user may apply for an exemption or variance. For purposes of this section, extraordinary hardship means a permanent damage to property or other personal or economic loss, which is substantially more severe than the sacrifices borne by other water users subject to the nonessential use of water restrictions. A person or business entity believing he suffers an extraordinary hardship and desiring to be wholly or partially exempt from the restrictions on the non-essential use of water shall submit a written request with full documentation supporting the need for the requested relief to the City. The application shall contain information specifying:
  - (a) The nature of the hardship claimed and reasons for the requested exemption or variance.
  - (b) The efforts taken by the applicant to conserve water and extent to the applicant without extraordinary hardship may reduce which water use.
  
2. The City shall advise the applicant of its decision regarding the application. An exemption or variance will be granted only to the extent necessary to relieve extraordinary hardship.

### **STAGE 4:**

#### **Water rationing plan for all available culinary water resources**

Estimated reduction goal - 25% to 60% of peak use.

Procedure: \_\_\_\_\_

By the authority of the City Manager and City Council, the following water-rationing plan will be implemented:

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### General:

It is imperative that water customers within the City of Kanab area achieve an immediate and further reduction in the water use in order to extend existing water supplies and, at the same time, assure that sufficient water is available to preserve the public health and sanitation, and provide fire protection service. The objective of this **Local Water Rationing Plan** is to effect an immediate 25 percent reduction in water usage. Should drought conditions continue, further reductions in usage may be required. If it is necessary to implement further reductions, this Plan will be modified to reduce the levels more. It is the City Water Department's responsibility to continually monitor on-hand quantities to determine if amendments are required.

The Plan provides for equitable reductions in water usage on the part of each water customer. The success of this Plan depends on the cooperation of all water customers.

During this stage the approval of any new building permits will be delayed until the conservation restrictions are lifted.

### (B) Prohibited non-essential water uses:

The following water uses are declared non-essential and will not be allowed within the City of Kanab

- ◆ The watering of lawns
- ◆ The watering of outdoor gardens, landscaped areas, trees, shrubs, and other outdoor plants, except by means of a bucket, pail, or handheld hose equipped with an automatic shut-off nozzle between the hours of 5:00 p.m. and 9:00 a.m.
- ◆ The watering of golf course fairways with culinary water.
- ◆ The non-commercial washing of automobiles and trucks.
- ◆ The washing of streets, driveways, and sidewalks.
- ◆ The serving of water in restaurants, clubs or eating-places unless specifically requested by the individual.
- ◆ Ornamental water use including, but not limited to, fountains, artificial waterfalls, and reflecting pools.
- ◆ The use of water for flushing sewers or hydrants by municipalities or any public or private individual or entity except as deemed necessary and approved in the interest of public health or safety by the City.
- ◆ The use of fire hydrants by the Fire Department for testing fire apparatus and for Fire Department drills, except as deemed necessary in the interest of public safety and specifically approved by the City.
- ◆ The use of fire hydrants by City Street Department, contractors and all others, except as necessary for fire fighting or protection purposes.
- ◆ The use of water to fill and top off swimming pools, hot tubs etc.

### (C) Water use restrictions for all water customers:

Customers include residential, commercial, industrial, institutional, public and all other users, with the exception of hospitals and health care facilities.

- ◆ Water customers shall reduce their water usage by a minimum of 25 percent of use levels for the same quarter of the preceding year.
- ◆ It is the primary responsibility of each water customer to meet its mandated water use reduction goal in whatever manner possible.
- ◆ The City will establish a water allotment for each water customer, based upon a required 25 percent reduction of water usage from the rate of water used by the customer in the same quarter of the preceding year or the last recorded use level if no

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meter readings record the rate of the customer's use in the same quarter of the preceding year.

- ◆ Each water user shall provide access to the City personnel for purposes of meter reading and monitoring of compliance with this Plan. The City shall make all reasonable efforts to contact customers to arrange for access.

### (E) Water use restrictions for hospital and health care facilities:

Hospitals and health care facilities shall comply with all restrictions imposed on water customers as may be applicable to each individual institution, to the extent compliance will not endanger the health of the patients or residents of the institution. Each hospital and health care facility shall survey its water usage patterns and requirements and implement such additional conservation measures as may be possible without endangering the health of patients or residents to achieve a 25 percent reduction in the institution's water usage. The level of conservation arrived at will be recommended to the City for billing and record. The established level that does not endanger the health of the patients will be provided to the City for record.

#### **Enforcement:**

If any person or entity violates these restrictions, citations could be issued or the City may elect to remove the water service from the property.

The utility billing department will monitor usage by using triggers and computer alarms for notification.

#### **Exemptions or variance:**

If compliance with the non-essential use of water restrictions would result in extraordinary hardship upon a water user, the water user may apply for an exemption or variance. For purposes of this section, extraordinary hardship means a permanent damage to property or other personal or economic loss, which is substantially more severe than the sacrifices borne by other water users subject to the nonessential use of water restrictions.

A person or business entity believing he suffers an extraordinary hardship and desiring to be wholly or partially exempt from the restrictions on the nonessential use of water shall submit a written request with full documentation supporting the need for the requested relief to the City.

The application shall contain information specifying:

- ◆ The nature of the hardship claimed and reason for the requested exemption or variance.
- ◆ The efforts taken by the applicant to conserve water and extent to which water use may be reduced by the applicant without extraordinary hardship.
- ◆ The City shall advise the applicant of its decision regarding the application. An exemption or variance will be granted only to the extent necessary to relieve extraordinary hardship.

## VI. Water Management Issues and Goals

### A. Past Water Conservation Measures

Kanab City's water conservation measures have focused on providing an efficient culinary water system to the community. Conservation measures have included system upgrades to

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more effectively distribute the water available. Significant strides in conservation were achieved by pressurizing the irrigation system.

### **B. Coordination Opportunities to Develop and Implement Management Conservation Measures.**

In the past, Kanab City has worked closely with the Kanab Irrigation Company to provide efficient culinary and irrigation water to the community. Opportunities that may be available in the future include:

1. Utilizing re-use water for irrigation of large turf areas.
2. Development of a seasonal storage reservoir that would allow conversion of excess surface irrigation water to culinary water during times of shortage while still meeting the irrigation water needs.
3. Working closely with Kane County officials in a coordinated effort to protect well source and recharge areas.

### **C. Short and Long Term Goals for Efficient Water Use**

Goals that should be implemented for efficient water use and conservation include:

1. Public education - Providing an aggressive public education program for youth and adults. The education program would include methods that residences can implement to minimize water use. Education could also include courses on gardening, landscaping, and farming.
2. Efficient and well maintained culinary water system including periodic maintenance and system upgrades, when required.
3. Use of reclaimed municipal wastewater for irrigation of parks, golf courses and other large turf areas.
4. Source protection zones and protection of recharge.
5. Well management to prevent ground water mining.

## **VII. Alternatives to Meet Future Water Needs**

Alternatives to meet future water needs for Kanab City will require a balance of conservation and additional development. Plan implementation may include:

### **A. Conservation Plans**

1. Public education
2. Residential water saving devices and practices to reduce water usage, ie. Flow restrictors for showers and faucets, toilet dams, leak detection kits and lawn watering guides to consumers.
3. Requiring new residential construction to meet model landscape or xeriscape ordinances.
4. Impact fees and water rate based on usage.
5. Best management practices on golf course and parks including:
  - a. Bubblers on trees
  - b. Time clocks and watering at night
  - c. Upgrade sprinklers to be more efficient
  - d. Decreasing the distance between the sprinkler heads to water more efficiently.
  - e. Using low-pressure nozzles
  - f. Regulating wells to minimize overflowing
  - g. Fix all leaks immediately

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- h. Raise water rates to be more in line with system costs and demands

### **B. Water Development Plans**

1. Substitute re-use water for golf courses, parks, etc.
2. Develop basin storage. Kanab City is dependent on wells (groundwater) for water supply with no seasonal storage. This means that the system pumping capacity must be able to meet peak seasonal demands that can be from three to five times the average annual demand. Storage reservoirs may alleviate pressures on the well system while supplementing irrigation needs during July and August.
3. Look for additional well opportunities while minimizing groundwater mining. Large volumes of high quality water are stored in the groundwater aquifers, particularly in the Navajo which underlays most of western Kane County. However, recharge of the aquifer is slow and mining of the aquifer must be avoided.
4. Transfer of water rights from irrigation to culinary water. The State Engineer has stated that Kane County is closed to new appropriations of water, however, significant numbers of existing irrigation rights that are not fully utilized could be transferred to meet future culinary needs. Identification and acquisition of these unused rights will be necessary to supplement future water supply needs.
5. Source Diversification. Kanab City's water sources, including the springs and wells are concentrated in a relatively small geographic area and all produce water from essentially the same source. Should this source become contaminated or depleted for whatever reason, it would present serious problems to the city. There is a need to diversify the water supply outside the present area.
6. A pipeline from Lake Powell to bring culinary water to Washington County has been proposed. Although the pipeline may be twenty or more years in the future, it should be considered as a possible alternative to meeting future needs.

### **VIII. Selection Of Alternatives**

The future water needs of Kanab will be dependent on growth. With planned upgrades and utilization of pressure zones, the culinary water needs are adequate for the short-term future. Developing additional water sources, storage capacity and providing additional distribution will be costly and will require significant public input prior to implementation. Of the alternatives to meet future water needs outlined in **Section VII**, the following are considered the most beneficial and achievable at present.

1. Public education
2. Assessing impact fees and basing the water rate on actual usage with higher rates for increased usage.
3. Best management practices on golf courses, parks and large turf areas.
4. Preliminary studies to develop reservoir storage
5. Being aware of opportunities to obtain additional water rights, particularly conversion of irrigation to culinary rights.
6. Completing and implementing Drinking Water Source Protection Plans to minimize potential contamination of existing sources.
7. Re-use of treated water.

### **IX. Periodic Evaluation**

The Water Management and Conservation Plan should be reviewed by Kanab City and updated every 5 years. The review should evaluate trends and ensure that alternatives selected in **Section**

## **Water Conservation Plan**

**VIII** are being implemented or progress is being made towards implementation. If the review indicates that the alternatives are not the most beneficial to meet the needs of the future, additional or new alternatives should be selected. The evaluation should provide an opportunity to reconsider the needs of the community and implement the best alternatives to meet those needs.

**Water Conservation Plan**

**APPENDIX A – Water Conservation Plan Ordinance**

**WATER CONSERVATION PLAN**  
KANAB CITY, UTAH  
A Municipal Corporation  
ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE AMENDING PROVISION OF THE KANAB CITY MUNICIPAL CODE PERTAINING TO THE ADOPTION OF A WATER CONSERVATION PLAN.

**Section 1. Preamble**

- A. WHEREAS, [the City ] operates a culinary water system; and
- B. WHEREAS, the city council understands the pressing need to use water in a more efficient manner to allow for future sustained growth of the community;

**Section 2. Ordaining Clause**

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF KANAB CITY, UTAH;

Section 4 Subsection 393 of the Kanab City Municipal Code is hereby to read as follows:

**Section 3. Water Conservation Plan**

The water conservation plan of Kanab City, adopted on the 6th day of April 1999, and revised on this 13th day of April 2004, is hereby readopted. The plan will be amended no less than every five years and will continue to play a vital role in the future development of Kanab City, Utah.

**Signed:**

\_\_\_\_\_  
Nina Laycook (Mayor)

\_\_\_\_\_  
Jim Sorenson

\_\_\_\_\_  
Steve Mower

\_\_\_\_\_  
Shaun Smith

\_\_\_\_\_  
Tony Chatterley

\_\_\_\_\_  
Ed Meyer

\_\_\_\_\_  
Keith L. McAllister (City Manager)

\_\_\_\_\_  
Keith Robinson (Public Works Director)

## **Water Conservation Plan**

### **X. References**

Capital Facilities Plan & Development Impact Fee Analysis, Kanab City, prepared by Alpha Engineering Company, May 1997.

Five County Association of Governments. 1995. Kanab City, Utah, General Plan. St. George, Utah.

Ground-Water Conditions in the Upper Virgin River and Kanab Creek Basins Area, Utah, Technical Publication No. 70, State of Utah, Department of Natural Resources, 1971.

Kane County Water Conservancy District, Draft Water Resources Master Plan, Phase I & II, prepared by Boyle Engineering and Alpha Engineering Company, April 1996.

State Water Plan, Kanab Creek/Virgin River Basin, Utah Board of Water Resources, August 1993.

The History of Kane County, Kane County Daughters of Utah Pioneers, edited by A.F. Robinson, Utah Printing Company, SLC, Utah, 1970.

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625 W. Aspen Dr.  
Kanab, UT 84741  
Camille411@live.com  
(801) 360-5870

# Camille Johnson

February 1, 2013

Mayor Nina Laycook

City of Kanab

Dear Mayor Laycook:

I am writing to express my interest in serving on the Parks and Recreation Board. I understand that there is a vacancy and I would like to be considered to fill that vacancy.

I have served on several community boards and committees and would be happy to be of service in this capacity. I have two teenage kids that are heavily involved with sports and activities and I could offer a perspective that might assist the board in making participant-relevant decisions.

I grew up in Kanab and have moved back with my two kids to finish raising them here and enjoy the beauty, safety and heritage that I loved so much and to live closer to the family that we have here.

I have attached a resume, which includes the boards and committee's that I have served on. Please contact me if you have any questions, or need anything further. Thank you for your consideration.

Sincerely,

Camille Johnson

**Camille Johnson**  
625 West Aspen Drive Kanab, UT 84741  
(801) 360-5870  
[camille411@live.com](mailto:camille411@live.com)

### **Work History**

- Real Estate Agent, The Brokerage Real Estate Center, Orem, UT  
June 2008-2013
- Event Coordinator Bulletproof Estate Protection Chandler, AZ  
June 2012- October 2012
- **General Manager, Windermere Real Estate Utah Valley LC  
June 2006- June 2008**  
Create and execute marketing strategies. Recruit and train Real Estate Agents. Create and assist with company expansion initiatives. Represent our company within our industry and marketplace. Present and demonstrate our company technology and systems to real estate students.
- **Marketing Director, Castle Rock Financial Services, Orem, UT  
January 2005- June 2006**  
Proposed and created the position from the ground up. Originated and implemented ideas for tapping into new areas of opportunity for business growth. Created B2B and B2C marketing strategies. Created and implemented customer care program. Originated and planned weekly B2C events and presentations. Improved company image and industry position. I previously worked for Castle Rock as both a processor and loan officer from 2002 until 2005.
- **Assignment Editor for KSL, Channel 5 News, Salt Lake City, Utah  
July 1997- November 1998**  
Supervised photographers, gathered information for news stories, and wrote news scripts. Handled logistics for news coverage including: special arrangements with authorities or leaders, tuned in live shots, and worked with satellite operations for sending and receiving network-affiliate feeds. Worked in high-stress situations to meet deadlines for strategic, competitive news coverage.
- **Technical Director for KUPX TV, Channel 30, Ogden, Utah  
July 1997- March 1998**  
Responsible for on-air programming and network-feed recordings. Technical Editing for on-air segments.
- **Remote Assistant for KSL News Radio 1160 AM, Salt Lake City, Utah  
Summer 1997**

Created and maintained public relations for the station with radio station talent at live-remote broadcasts.

### **Community:**

- Community Involvement/ UARHOF Chair Person Utah County Assoc. of Realtors 2011
- Committee member Kids on the Move 2007-2008
- Women's Business Network Board 2007
- Community Involvement Committee- Utah County Assoc. of Realtors 2006, 2007
- Food Drive Chairperson- Utah County Assoc of Realtors 2006, 2007
- Utah Mortgage Lenders Association Board- 2005

### **Education**

- Bachelor of Science degree Weber State University, Ogden, UT  
Communications (emphasis in broadcasting) / Business Management

### **Achievements**

- **Master Affiliate Award from Utah County Association of Realtors**
- **Outstanding Graduate, Broadcasting Emphasis, Weber State University**

**Personal Credo:** *Treat everyone with respect*

I believe that relationships are the key to long-term success in any business, organization or position. There is not a strategy that can be created, nor plan executed that can compensate for lack of regard for others.

**From:** [Rich Csenge](#)

**To:** [Nina Laycook](#)

**Sent:** Wednesday, January 09, 2013 10:44 AM

**Subject:** Kanab City Beautification Committee

1.9.13

Rich Csenge  
295 N Main St.  
Kanab, Utah

Dear Mayor Laycook,

In December 2012, I received a call from Cheryl Brown. We discussed my desire to see that our community has a vigorous shade tree planting program that anticipates the damaging effects of global climate change, which is projected to affect the southwestern states especially hard, with generally warmer and drier conditions, punctuated by occasional and unusually heavy rain events and flooding.

For example, I would like to see the City of Kanab continue to meet Arbor Day Foundation's Tree City USA standards. I greatly appreciate the efforts that Loretta Clayson initiated with the Kanab Shade Tree Committee to earn that honor, and would like to help Kanab retain the status.

In many parts of Kanab's historic "old town", street side shade trees are either missing or quite mature. I am concerned that as reported by the National Atmospheric and Oceanic Administration and numerous other scientific organizations, rising atmospheric CO<sub>2</sub>, which is dramatically warming our planet, may hasten the demise of our most mature trees. As you know, a number of the city's shade trees are dying now.

The surprising possibility that this mortality may occur more dramatically than anyone thought likely in our lifetimes is a motivating force for me. Widespread, large and frequent fires and beetle kill in Western National Forests signal that significant ecological change is already underway due to climate change. To that end, I write to express my interest in serving on the newly formed Kanab City Beautification Committee. Please let me know what steps I should take to get involved.

Thank you and best regards,

Rich