



Agenda

CITY CLERK'S OFFICE

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PUBLIC UTILITIES COMMITTEE MEETING

**CITY COUNCIL CHAMBERS
WEDNESDAY, NOVEMBER 7, 2012
REGULAR MEETING – 5:00 P.M.**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE OCTOBER 3, 2012 PUC MEETING

INFORMATIONAL ITEMS

6. Portland Sustainability Conference Update. (Cindy Padilla and Katherine Mortimer)
7. Update on the Reclaimed Wastewater Use Plan. (Claudia Borchert)
8. Climate change and the Santa Fe Watershed: A Preliminary Assessment. (Claudia Borchert)
9. Recycling Update and Report – past, present and future. (Cindy Padilla)

CONSENT – INFORMATION ITEMS

10. Status Report on the Environmental Services Division. (Cindy Padilla)
11. Update on Current Water Supply Status. (Victor Archuleta)
12. Drought, Monsoon and Water Resource Management Update. (Rick Carpenter)

CONSENT – ACTION CALENDAR

13. Request for approval of the 2013 Public Utilities Committee Meeting Schedule. (Stephanie Lopez)
14. Request for approval of the award of contract to Yellow Jacket Drilling Services for the new monitoring well at La Tierra for the Buckman Well Monitoring Program for the amount of \$174,950.00 Exclusive of NMGRT. (Rick Carpenter and Gretel Follingstad)
PUC – 11/7/12
FC – 11/19/12
CC – 11/28/12
15. Request for approval of Amendment No. 1 to NCS Engineers Contract No. 12-0730 to cover Tasks 4, 5, 6 and S1 for the Hospital Tank Rehabilitation Project in the amount of \$102,328.60 Excluding NMGRT. (Bill Huey)

PUC – 11/7/12
FC – 11/19/12
CC – 11/28/12
16. Request for approval of Resolution No. 2012-_____. A Resolution endorsing the May 2012 policy platform of the Healthy Headwater's Alliance; and authorizing the City of Santa Fe to participate in Carpe Diem West's Healthy Headwater Alliance.(Councilor Calvert) (Dale Lyons)

PUC – 11/7/12
FC – 11/19/12
CC – 11/28/12

DISCUSSION ITEMS AND ACTION ITEMS

17. Request for approval of Water Rights Purchase Agreement for Elsie Benevides' water rights. (Dale Lyons)

PUC – 11/7/12
FC – 11/19/12
CC – 11/28/12
18. Request for approval of Bill No. 2012-_____. An ordinance relating to water rate adjustments; amending Section 25-4.2 SFCC 1987 to allow commercial water customers who have water meters that are 1 ½" or less to apply for a water rate adjustment within 30 days of the effective date of this ordinance. (Mayor Coss) (Brian Snyder)

Water Conservation Committee – 11/6/12
PUC – 11/7/12
FC – 11/19/12
CC – 11/28/12 (Request to Publish)
CC – 1/9/13 (Public Hearing)

MATTERS FROM THE PUBLIC

MATTERS FROM THE CITY ATTORNEY

ITEMS FROM STAFF

MATTERS FROM THE COMMITTEE

NEXT MEETING: WEDNESDAY, DECEMBER 5, 2012

ADJOURN

PERSONS WITH DISABILITIES IN NEED OF ACCOMODATIONS, CONTACT THE CITY CLERK'S OFFICE AT 505-955-6520, FIVE (5) WORKING DAYS PRIOR TO THE MEETING DATE.

SUMMARY INDEX
PUBLIC UTILITIES COMMITTEE MEETING
Wednesday, November 7, 2012

<u>ITEM</u>	<u>ACTION</u>	<u>PAGE</u>
CALL TO ORDER AND ROLL CALL	Quorum	1
APPROVAL OF AGENDA	Approved	1
I. APPROVAL OF CONSENT AGENDAS	Approved	2
CONSENT – INFORMATIONAL CALENDAR LISTING		2
CONSENT – ACTION CALENDAR LISTING		2
APPROVAL OF MINUTES FOR THE OCTOBER 3, 2012 MEETING	Approved	3
<u>INFORMATIONAL ITEMS</u>		
PORTLAND SUSTAINABILITY CONFERENCE UPDATE	Information/discussion	3
UPDATE ON THE RECLAIMED WASTEWATER USE PLAN	Information/discussion	3
CLIMATE CHANGE AND THE SANTA FE WATERSHED: A PRELIMINARY ASSESSMENT	Information/discussion	4
RECYCLING UPDATE AND REPORT – PAST, PRESENT AND FUTURE	Information/discussion	4-5
CONSENT DISCUSSION	None	5
<u>DISCUSSION AND ACTION ITEMS</u>		
REQUEST FOR APPROVAL OF WATER RIGHTS PURCHASE AGREEMENT FOR ELSIE BENEVIDES' WATER RIGHTS	Approved	5-6
REQUEST FOR APPROVAL OF BILL NO. 2012- ____. AN ORDINANCE RELATING TO WATER RATE ADJUSTMENTS; AMENDING SECTION 25-4.2 SFCC 1987, TO ALLOW COMMERCIAL WATER CUSTOMERS WHO HAVE WATER METERS THAT ARE 1½" OR LESS TO APPLY FOR A WATER RATE ADJUSTMENT WITHIN 30 DAYS OF THE EFFECTIVE DATE OF THIS ORDINANCE	Postponed to 12/05/12 or when ready for presentation	6-12

<u>ITEM</u>	<u>ACTION</u>	<u>PAGE</u>
MATTERS FROM THE PUBLIC	None	12
MATTERS FROM THE CITY ATTORNEY	None	13
ITEMS FROM STAFF	Information	13
MATTERS FROM THE COMMITTEE	None	13
NEXT MEETING: WEDNESDAY, DECEMBER 5, 2012		13
ADJOURN		13

**MINUTES OF THE
CITY OF SANTA FE
PUBLIC UTILITIES COMMITTEE
Wednesday, November 7, 2012**

1. CALL TO ORDER

A meeting of the Public Utilities Committee was called to order by Councilor Christopher N. Calvert, Chair, at approximately 5:00 p.m., on Wednesday, November 7, 2012, in the Council Chambers, City Hall, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT:

Councilor Calvert, Chair
Councilor Bill Dimas
Councilor Christopher M. Rivera
Councilor Ronald S. Trujillo

MEMBERS EXCUSED:

Councilor Carmichael A. Dominguez

OTHERS PRESENT:

Brian Snyder, Public Utilities Director
Stephanie Lopez, Public Utilities
Marcos Martinez, Assistant City Attorney
Melessia Helberg, Stenographer

There was a quorum of the membership present for conducting official business.

NOTE: All items in the Committee packet for all agenda items are incorporated herewith to these minutes by reference. The original Committee packet is on file in the Public Utilities Department.

3. APPROVAL OF AGENDA

MOTION: Councilor Dimas moved, seconded by Councilor Trujillo, to approve the Agenda as published.

VOTE: The motion was approved on a voice vote, with Councilor Dimas, Councilor Trujillo and Chair Calvert voting in favor of the motion, no one voting against, and Councilor Rivera absent for the vote.

4. APPROVAL OF CONSENT AGENDA

MOTION: Councilor Dimas moved, seconded by Councilor Trujillo, to approve the following Consent Informational Calendar and Consent Action Calendar as published.

VOTE: The motion was approved on a voice vote, with Councilor Dimas, Councilor Trujillo and Chair Calvert voting in favor of the motion, no one voting against, and Councilor Rivera absent for the vote..

CONSENT – INFORMATIONAL CALENDAR

10. STATUS REPORT ON THE ENVIRONMENTAL SERVICES DIVISION. (CINDY PADILLA)
11. UPDATE ON CURRENT WATER SUPPLY STATUS. (VICTOR ARCHULETA)
12. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE. (RICK CARPENTER)

CONSENT – ACTION CALENDAR

13. REQUEST FOR APPROVAL OF THE 2013 PUBLIC UTILITIES COMMITTEE MEETING SCHEDULE. (STEPHANIE LOPEZ)
14. REQUEST FOR APPROVAL OF THE AWARD OF CONTRACT TO YELLOW JACKET DRILLING SERVICES FOR THE NEW MONITORING WELL AT LA TIERRA FOR THE BUCKMAN WELL MONITORING PROGRAM FOR THE AMOUNT OF \$174,950.00, EXCLUSIVE OF NMGR. (RICH CARPENTER AND GRETEL FOLLINGSTAD). PUC 11/07/12; FC 11/19/12; AND CC 11/28/12.
15. REQUEST FOR APPROVAL OF AMENDMENT NO. 1 TO NCS ENGINEERS CONTRACT NO. 12-0730 TO COVER TASKS 4, 5, 6 AND S1 FOR THE HOSPITAL TANK REHABILITATION PROJECT IN THE AMOUNT OF \$102,328.60, EXCLUDING NMGR. (BILL HUEY). PUC 11/07/12; FC 11/19/12; AND CC 11/28/12
16. REQUEST FOR APPROVAL OF RESOLUTION NO. 2012- _____. A RESOLUTION ENDORSING THE MAY 2012 POLICY PLATFORM OF THE HEADWATER'S ALLIANCE; AND AUTHORIZING THE CITY OF SANTA FE TO PARTICIPATE IN CARPE DIEM WEST'S HEALTHY HEADWATER ALLIANCE (COUNCILOR CALVERT). (DALE LYONS). PUC 11/07/12; FC 11/19/12; AND CC 11/28/12

5. APPROVAL OF MINUTES FOR THE OCTOBER 3, 2012 MEETING

MOTION: Councilor Trujillo moved, seconded by Councilor Dimas, to approve the minutes of the meeting of October 3, 2012, as submitted.

VOTE: The motion was approved on a voice vote, with Councilor Dimas, Councilor Trujillo and Chair Calvert voting in favor of the motion, no one voting against, and Councilor Rivera absent for the vote..

INFORMATIONAL ITEMS

6. PORTLAND SUSTAINABILITY CONFERENCE UPDATE. (CINDY PADILLA AND KATHERINE MORTIMER)

Cindy Padilla and Katherine Mortimer reported on their attendance at the National Urban Sustainability Directors Network Annual Meeting, and the Institute for Sustainable Communities Climate Leadership Academy, held in Portland, Oregon, October 1-5, 2012. For specifics of this presentation, please see Ms. Mortimer's Memorandum of November 7, 2012, which is in the Committee packet.

Ms. Padilla noted that the information they gained in attending these meetings is very helpful to the work being done by the City in terms of sustainability.

Ms. Mortimer noted the City of Santa Fe joined the Western Adaptation Alliance, a group of 11 cities, which are learning best practices on how to adapt to the changing climate, specifically in the arid, southwest mountain area.

Chair Calvert thanked Ms. Padilla and Ms. Mortimer for their presentation.

7. UPDATE ON THE RECLAIMED WASTEWATER USE PLAN. (CLAUDIA BORCHERT)

Ms. Borchert said the update in the Committee packet is very brief, and meant to "let you know, to stay tuned until next month when the whole report will be finished." She said she would prefer to stand for questions, or wait until December to discuss the Plan.

Chair Calvert said if the Committee will be referencing the chart in the packet, it should be provided in color so it is readable.

Ms. Borchert said she will do so for the Committee members.

8. CLIMATE CHANGE AND THE SANTA FE WATERSHED: A PRELIMINARY ASSESSMENT. (CLAUDIA BORCHERT)

A copy of the power point presentation *Federal- Local Cooperation to Meet the Challenges of Climate Change – Claudia Borchert and Dagmar Llewellyn*, dated November 7, 2012, is incorporated herewith to these minutes as Exhibit “1”. Please see Exhibit “1” for specifics of this presentation.

Ms. Borchert introduced Dagmar Llewellyn, of the Bureau of Reclamation, who assisted her with the presentation. She said it is difficult to deny that the climate is changing, although there are different thoughts on the cause. The Secure Water Act was passed in 2009 to look at addressing the impacts of climate change. She said only the executive summary was provided because of the length of the report.

Councilor Rivera arrived at the meeting.

Ms. Borchert noted there is a list of the recommendations of the assessment, noting she provided only the Executive Summary and the appendix, because of the length of the report which is 90 pages. She noted Section 5 contains the detailed recommendations and she has pulled the most important ones for the Executive Summary.

Ms. Borchert said she is seeking input on the Assessment by November 30, 2012, from this Committee as well as the Sustainable Santa Fe Commission, Water Conservation Advisory Committee, the River Commission, noting the request for input is posted at the City website as well.

Chair Calvert thanked Ms. Borchert and Ms. Llewellyn for their comprehensive presentation, and for their hard work in this regard. He said he would like to have a copy of the full report and appendix. He said he would like to sit with Ms. Borchert and talk about some of the next steps that we might want to incorporate City-wide in terms of how we move forward.

9. RECYCLING UPDATE AND REPORT – PAST, PRESENT AND FUTURE. (CINDY PADILLA)

Ms. Padilla presented information from her memorandum of November 7, 2012, with attachments, to the Public Utilities Committee, which is in the Committee packet. Please see this document for specifics of this presentation. Ms. Padilla said people are more willing to recycle if it is made easy and they are clear about what can and can't be recycled, noting they are working on brochures to send out in the utility bills, for example, to educate and inform the public.

The Committee commented and asked questions as follows:

- Councilor Trujillo thanked Ms. Padilla for her work in this regard. He said Ms. Padilla said they are targeting retail and will be going to the DeVargas Mall. He said we should be targeting fast food restaurants, noting Sup is the only restaurant where there are separate bins for recycling. He asked if they will be doing outreach to the fast food restaurants.

Ms. Padilla said they have been targeting fast food restaurants, noting Randall has met with Blake's Lotaburger and done a rate analysis for them. She has met with the front load drivers who service the refuse to ask them who we should be targeting for recycling – cardboard and such, and they told her The Sonic, McDonalds, and other restaurants, and they will be targeting those.

- Councilor Trujillo said we should be targeting the schools for events, especially high school sports events. He said this is one way to get the plastic out of the trash and into recycling.

Ms. Padilla said they are setting up meetings with the City Leagues that play at City parks, and will be meeting with the League Presidents when the Parks Division meets with them early on to target those events. She said they are doing pilot program with the Schools on mixed recyclables, which is new for BuRRT as well, and getting information on that. She said they haven't talked with the schools about sporting events, and she will contact Lisa Randall to see what is planned and if we can help them to do this.

- Councilor Rivera thanked Ms. Padilla for her work, commenting she is doing a great job. He is glad that she is working with the schools. He said his kids come home from school after a push for recycling, and want to do recycling, which they do.
- Chair Calvert said, with regard to the mobile home parks, he would like to see more targeting where there is no recycling, however we can do that. He suggested putting stickers on the bins when two or more bins are handed out, because people move and the people inheriting those doesn't know that the bins are for different recyclables.

Ms. Padilla said they had been doing that, but ran out of stickers, and the new stickers will be in both English and Spanish. She said there is an information flyer in English and Spanish which they are handing out at a lot of the mobile home parks.

Chair Calvert thanked Ms. Padilla for her hard work.

CONSENT DISCUSSION

No items were removed from consent for discussion.

DISCUSSION AND ACTION ITEMS

17. REQUEST FOR APPROVAL OF WATER RIGHTS PURCHASE AGREEMENT FOR ELSIE BENEVIDES' WATER RIGHTS. (DALE LYONS). PUC 11/07/12; FC 11/19/12; AND CC 11/28/12

Dale Lyons presented information in this regard, from his Memorandum of October 4, 2012, with attachments which is in the Committee packets. He said they understand from the consultant that a

majority of that likely will be approved by the Office of the State Engineer [OSE] in the transfer process, noting the price is \$12,000 per acre foot, which is a reasonable price.

Chair Calvert said then this request is for permission to initiate the process of purchasing the water rights with Ms. Benevides.

Mr. Lyons yes, and described the process of purchasing water rights, which takes anywhere from 3 months to several years, depending on the case load and whether the water rights are purchased.

MOTION: Councilor Dimas moved, seconded by Councilor Rivera, to approve this request.

VOTE: The motion was approved unanimously on a voice vote.

18. **REQUEST FOR APPROVAL OF BILL NO. 2012- ____ . AN ORDINANCE RELATING TO WATER RATE ADJUSTMENTS; AMENDING SECTION 25-4.2 SFCC 1987, TO ALLOW COMMERCIAL WATER CUSTOMERS WHO HAVE WATER METERS THAT ARE 1½" OR LESS TO APPLY FOR A WATER RATE ADJUSTMENT WITHIN 30 DAYS OF THE EFFECTIVE DATE OF THIS ORDINANCE (MAYOR COSS). (BRIAN SNYDER). Water Conservation 11/06/12; PUC 11/07/12; FC 11/19/12; CC 11/28/12 (Request to Publish); and CC 01/09/13 (Public Hearing).**

A copy of a case study on the Luna Laundry is incorporated herewith to these minutes as Exhibit "2."

Brian Snyder reviewed the materials in the Committee packet, including the proposed Ordinance and amendments. He noted the bill was heard last evening by the Water Conservation Committee, noting there was not a quorum of the Committee and no vote was taken. However, there was a general consensus among the Committee to move the bill forward to the PUC with consideration to the Committee comments. He said Ms. Trevizo will review a case study from Luna Laundry on how this is applied.

Laurie Trevizo reiterated this was presented to Water Conservation yesterday. The Committee concerns dealt with the staff time and the 12 month monitoring period. The Committee would like the applicant to be responsible for submitting monthly or quarterly reports to take ownership of their consumption and what is happening under the Ordinance. They were concerned about what happens after the 12 month monitoring period, and that there is no communication with the customer after that time, and suggested that the business owners submit an affidavit that they would continue to maintain efficiencies.

Ms. Trevizo reviewed Exhibit "2," the case study on Luna Laundry, noting it was necessary to come up with a unit per gallon or gallon per unit measure, which is a gallon per pound because it processes laundry by the pound, so regardless of the year or how the business fluctuated we would be able to compare "apples to apples." She said Luna Laundry has a lot more customers now, but uses roughly the same amount of water, noting Luna Laundry recycles approximately 80% of the water it uses.

The Committee commented and asked questions as follows:

- Councilor Rivera asked if there would be home businesses that would qualify for this, or do they use too little water.

Ms. Trevizo said this is targeted for existing commercial, high-water use businesses, noting there is an extensive rebate program for home businesses.

- Councilor Rivera asked if this prevents a home occupation from applying.
- Chair Calvert said the limitations on what can qualify under home occupation might disqualify them from this type of program, because this is for commercial high water users, and the things allowed for home occupation are low impact and fit easily in a neighborhood.
- Councilor Rivera said he is thinking of businesses that will come into the City during annexation, such as horseback riding businesses operated from a home.

Mr. Snyder said there are requirements or restrictions – the business has to use at least 1 afy, or 325,000 gallons a year, 13,000 gallons a month, and as proposed, the end product has to be water based. He is unsure how that would apply to a horseback riding business. He said the rebate usually makes an impact on the overall usage, and offering a similar rebate to the home occupation sector doesn't do much to their overall water consumption. He said this focuses on a different area where we are trying to figure out a way to reduce the high end water usage.

- Chair Calvert said the City has a general water process rebate, which is open-ended and designed for situations such as Luna Laundry where we may not know what technology they are going to use. However, if they do use something in the process of the business, he believes the City does have a rebate that would fit that situation – the rebate is designed for innovative projects.

Mr. Snyder said there is no specific rebate. However, we would interact with the business, learn about their process and what they are proposing, and we do have a commercial rebate program that would apply but it is not specific. Responding to the Chair, Mr. Snyder said an evaluation is done and considered in this regard, noting no one has taken advantage of that program since it was introduced.

Ms. Trevizo said numerous audits have been done over the past two years, but no one has taken advantage of the rebate.

- Chair Calvert said we were thinking of Luna Laundry, and we were hoping other laundry facilities would do something similar. He said one of the problems he has with the process is that it is somewhat retroactive. He is concerned about modifying the ordinance for a particular case. He understands the one case under study for this particular revision is a carwash which installed some technology that helped to conserve water. However, they could have qualified for the rebate

we offered. He said reason we do rebates is that it is a one-time expense for capital improvements. In this situation, when we do these retroactive things is that we end up with rate relief forever, and "they end up paying less for their water forever, and we don't get any reduction in water use, but we do get a reduction in revenue to the system." He said what this means is that it is unfair to everybody else who is paying the going rate. He is having a problem with some of the equity in doing these things. He said the rebate program allows a person to get credit for the capital expenditure and they then realize the savings on their water bill over time, but "we help with that sort of getting over the hump initially to offset the capital expenditure, but they get the benefit of the reduced usage themselves through the rates." He said in this kind of case, they're not going to do any more improvements, but they're asking for rate relief because they use a lot of water.

- Councillor Calvert continued, "I'm just having a little struggle here with how many of these you want to do, and then how fair is it to everybody else who is paying the going rate, and is everybody going to keep coming back to us and say, 'Gee, I'd like to pay less, how about if I get an exception.' I know there are rules in here for that. I think we went the rebate route for a reason and I would like to see more of these people use that. The other thing is, if we decide we want to do this, basically, I think what they're asking for, and where they really get hit is on the second tier, especially during the summer months when the second tier is particularly expensive, correct."

Mr. Snyder said, "Actually, the second tier always has the same cost, and during the summer months, we allow more water for irrigation purposes, so it's during the winter months. It depends on the type of business. The car wash, for example, is counter-intuitive. You would think it would be high business during the summer months when in actuality, their actual business is during the winter months, because people are washing off what the kick up on the roads. That was a surprise when we started investigating and discussing."

Mr. Snyder continued, "You are correct. My understanding is that lot of people that contact us are calling because their rates are increasing, and even before they began increasing. When we had the tier one and tier two, the tier two rate is noticeably higher and set there for a purpose, to get people out of the tier two consumption, so the relief they are requesting often is how do I get out of the tier two, or how do I relieve myself of some of the water that I'm consuming in the tier two. Is it increasing. Often, we get a request to increase the meter size. And what that does is allow more of an allotment in the tier one rate so they can shift their demand usage down to the tier one and pay less. We'll do a meter analysis, an engineering analysis on it, and look into it. Most times, those requests are not approved because the meter is sized properly."

- Chair Calvert said, "If we allowed the larger meter, then I think that would take care of itself to a certain extent because they would have to pay... they would get more water in tier one with a larger meter size, but they would have to pay a higher monthly administrative fee because they have a larger meter. And they would have to pay a UEC fee, a one time cost. That sort of evens it out, but what we see in this case is that people want the advantages of a larger meter, the rate relief. But I don't anything in here saying, 'Okay we'll let you have more water in tier one if you want, but we want you to pay the adm. fee like it was a larger meter and we want you to pay the

one-time UEC because that's what the people with larger meters are doing to get that rate. So I think it's only fair... again it is one of those equity issues. Certain people with the larger meters are paying to have that done. And these people sort of want... they don't want to have to pay for it, but they want the advantages of it. And that's where I have a little trouble, unless we even it out to a certain extent – if they want the relief, we ask them to pay a higher adm charge, because they're seeking the advantages of a larger meter – pay the fees for the larger meter and maybe that will even it out and make it fair.”

- Councilor Rivera said Luna Laundry received the reduction in water in 2005, but in 2012 they aren't using less water, and in some cases used more, so they are benefitting from the lower rate.
- Chair Calvert said, as Ms. Trevizo pointed out, the reason they're using more now is because their business grew, which is okay to a certain extent, noting they are recycling 80% of the water used. He said Luna Laundry may be using more water because its business is growing, but it invested a lot of capital to reduce its overall consumption. He said he is speaking just to this example. He said as he recalls, one of the reasons we gave that relief, is because there was no rebate in place when they did this, and they “did it all on their own dime, and they still got payback in 5 years for their investment – the reduced bills paid for the equipment.” He said if we go the route of retroactive rate relief, there has to be something that balances the equation and makes it fair for everybody. Otherwise, we'll have everybody in here wanting a rate reduction, and although there are qualifications, he believes a lot of people can qualify.
- Councilor Rivera asked Ms. Trevizo how they verified business growth, and asked if the “walls are still the same size, and they're just telling you they're getting more business.”

Ms. Trevizo said, “We actually did a site visit two weeks ago. We did the site visit two weeks ago and hadn't selected them for the case study, we just did it as an educational tool because I have new employees. So, in conversations with Scott, the business owner, he has indicated that in 2005-2006, they were strictly a diaper service business. So they were only doing diaper services, those kinds of things. They realized that the rate increases could potentially be coming... if they were doing to expand their business, that they needed to do something and that's where the water recycling came in. The other thing that they did....”

- Chair Calvert said they now do much more than diapers.

Ms. Trevizo said this is correct. They've marketed themselves to, mainly a lot of the hotels here in town, that basically we can do all of your laundry at a much cheaper rate than you can do your laundry.

- Chair Calvert said they also say they can do it more cheaply than firms driving from Albuquerque to Santa Fe and back to Albuquerque.

Mr. Trevizo said Luna Laundry has changed its business model and applied for a Land Use Permit for expansion, so they did add on to their building, and they had some requirements associated with the Permit. The expansion included a facility for the closed-loop recycling system – an entire room dedicated to the water recycling system.

- Chair Calvert said Luna Laundry expanded into linen service – sheets, tablecloths, napkins and such.

Ms. Trujillo said she did ask Luna Laundry for the 2005 pounds per laundry, and he said it was archived, but he would make an effort to look that up. She said we will have that information prior to this item moving forward to the Council.

- Chair Calvert noted this isn't time sensitive. He said he is unsure this Committee is ready to recommend moving forward with this item, but that is up to this Committee to decide.
- Responding to Councilor Trujillo, Chair Calvert said we would be looking at the factors and whether we want to do this on a permanent basis. Chair Calvert said, "The proposed amendment 'basically says we'll do this from now on, for whomever qualifies. And it is fine if the Council wants to move in this direction. Or, do we want to keep with what we've been doing with rebates, and if they're not a new business and can't incorporate this into their model, or if they're an old business and they've already done as much as they can do and don't qualify for a rebate, then maybe we consider this. However, do we just want to say if you qualify you can have a cheaper water bill, or do we want to put in some of these balancing and fairness issues to make it work out better for everybody.'"
- Councilor Trujillo said we need to make it work better for everyone. He said we had this conversation several years ago with El Ice and they said the diameter of the pipe was too small and wanted a bigger one, and we went back and forth on this for months.
- Chair Calvert said El Ice was in a unique situation. It was a very old company and its infrastructure was very old and they really didn't need a bigger meter, because even though its consumption was high it was slow and steady.
- Councilor Trujillo asked if we have businesses that we know would apply for this right now, if it is approved.

Mr. Snyder said, "There is one car wash that has approached us that is interested in applying. We've started the analysis on the car wash. We're unsure at this point if it would qualify, based on trying to develop, as Laurie said, the unit measure."

- Councilor Trujillo said he wants to see that analysis when it is done. He said if this isn't time sensitive he would like to postpone this to the next meeting, if you feel you will have the information by that time.

Ms. Trevizo said it is possible, noting there is a unit of measure and staff has analyzed the water consumption for the past 4 years, which does include an upgrade to its system for water recycling and water filtration, and it is possible to have it in a format which is ready to review by the next meeting.

- Councilor Trujillo said it would be fine even if it take two meetings, and “whenever you get it here, you get it here.”

MOTION: Councilor Trujillo moved, seconded by Councilor Rivera, to postpone this item to the next meeting of the Committee on December 5, 2012, or when staff has the requested information to come forward for approval.

DISCUSSION: Councilor Rivera said, “I continue to look at this and see if there are ways that businesses are going to be able to take advantage. I’m not sure if there has been a whole lot of thought put into that, or if there are committees that can help analyze that. I think of all these commercial businesses that allow youth groups to do car washes and would they be able to qualify for this, and maybe that’s not a bad thing. We could give them a water rebate.”

Councilor Rivera said he wants to know if they could qualify, and then “sort of open the floodgates, so speak.”

Ms. Trevizo said there is a set criteria in the Ordinance – they must be an existing commercial business with a potential high water use, part of their business product must be water based, and businesses must use over 1 afy of water per year. So, we’re talking about the “high high” water users. For those under 1 afy, we are confident that toilet rebate programs and other rebate programs can meet the needs of that particular sector of the commercial businesses.

Councilor Rivera asked if Big Jo Hardware could qualify.

Ms. Trevizo said Big Jo Hardware does not have water as part of its end product.

Mr. Snyder said he sees the charity work as not being part of the commercial license, and somehow tying language into this. He said one of their goals has been to establish a criteria so we feel comfortable opening it year-round. As set up currently, “you have to request to be audited which almost makes it be retroactive.” However, if we want to move forward and not have it retroactive – it’s open year-round, you come in and meet with Laurie/staff and you’re being pro-active – before you initiate spending the \$100,000 on the recycling system, you come in and talk with us to be sure it meets certain standards, and qualifications. At that time, we could introduce the rebate program and what we could do to assist.

Chair Calvert said if we move forward with this legislation, an analysis of the business usage is necessary to see if there is a rebate we can first apply before we “go down this road, or the avenue of last resort.” He said limiting it to businesses where water is the end product still could be a lot of things. He said the definition, to him, is ambiguous, and he would like to see this better defined so he has a better idea of who

would qualify for this. He said perhaps staff could make a list of potential businesses, so we have a good idea of the scope.

Ms. Trevizo said they looked at existing resolutions, one of which is associated with the water bank, which lists types of businesses identified and the associated water use. She said, "We have that language in here to use that particular Resolution as a guideline. And Brian and I went through that iteration of do these particular businesses, maybe there were 50 of them, different businesses types, of these 50 different business types, which ones are the best suited, and we only came up with 4 different business types that actually are the best suited... specific criteria."

Chair Calvert said he did the same thing and he came up with restaurant limited services, grocery stores, research & development lab, manufacturing consumables, car wash full service and gyms with showers, so he is looking at a qualification of 1 afy. He said with regard to water being part of the end product, who will determine that – is water the main part of it. He said, for example, water is essential for a restaurant, but not part of the end product.

Mr. Snyder said the intent was water had to be a "part of the end product," and perhaps the Committee may want to tighten up the definition. He said in a restaurant, it could be a health and safety issue, for example, washing produce and fruits, or scrubbing down the cooking area. However, those functions aren't a part of the end product.

Chair Calvert asked, in terms of gyms with showers, if water is an integral part of the experience. He would like to see staff list the businesses they believe qualify and what would be eliminated under the qualifications/criteria.

Councilor Rivera said perhaps they could list the 4 businesses as the only ones that qualify.

Marcos Martinez said there may be some legal concerns which could be raised by a business that was automatically disqualified, and we may want to be cognizant of that as we move forward.

VOTE: The motion was approved unanimously on a voice vote.

Chair Calvert said some of this is driven by economics, and asked the role this Committee and the Utility Committee should have in these economic decisions. He said some of this is about the business economics. He said we are here to be sure we supply water and collect sufficient revenue to operate the system. He asked, "Are we going to get into individual business decisions on how they are affected by some of these things. I don't know. I just throw that out in general."

MATTERS FROM THE PUBLIC

There were no matters from the public.

MATTERS FROM THE CITY ATTORNEY

There were no matters from the City Attorney.

ITEMS FROM STAFF

Mr. Snyder said he is offering tours of the BDD, the Canyon Road Water Treatment plant and the watershed to the Committee members if they would like. He said the Canyon Road Water Treatment Plant and watershed takes about 1½ hours, and the BDD is an hour tour, and if you want to go down to the River, tour the diversion structure and some of the facilities in between, the BDD tour will take 3-4 hours. He said there are tours throughout the year, and asked Committee members to let him know if they would like to take a tour and he will arrange it.

Councilor Rivera asked if the staff is available for tours on Saturday.

Mr. Snyder said they usually shy away from tours on Saturdays because of staffing issues, but arrangements could be made if you let him know well in advance. He said the focus on weekends is on operations, but during the week they can pull someone off a task for a good tour.

MATTERS FROM THE COMMITTEE

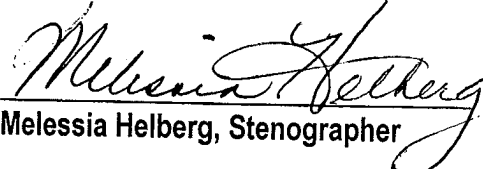
There were no matters from the Committee

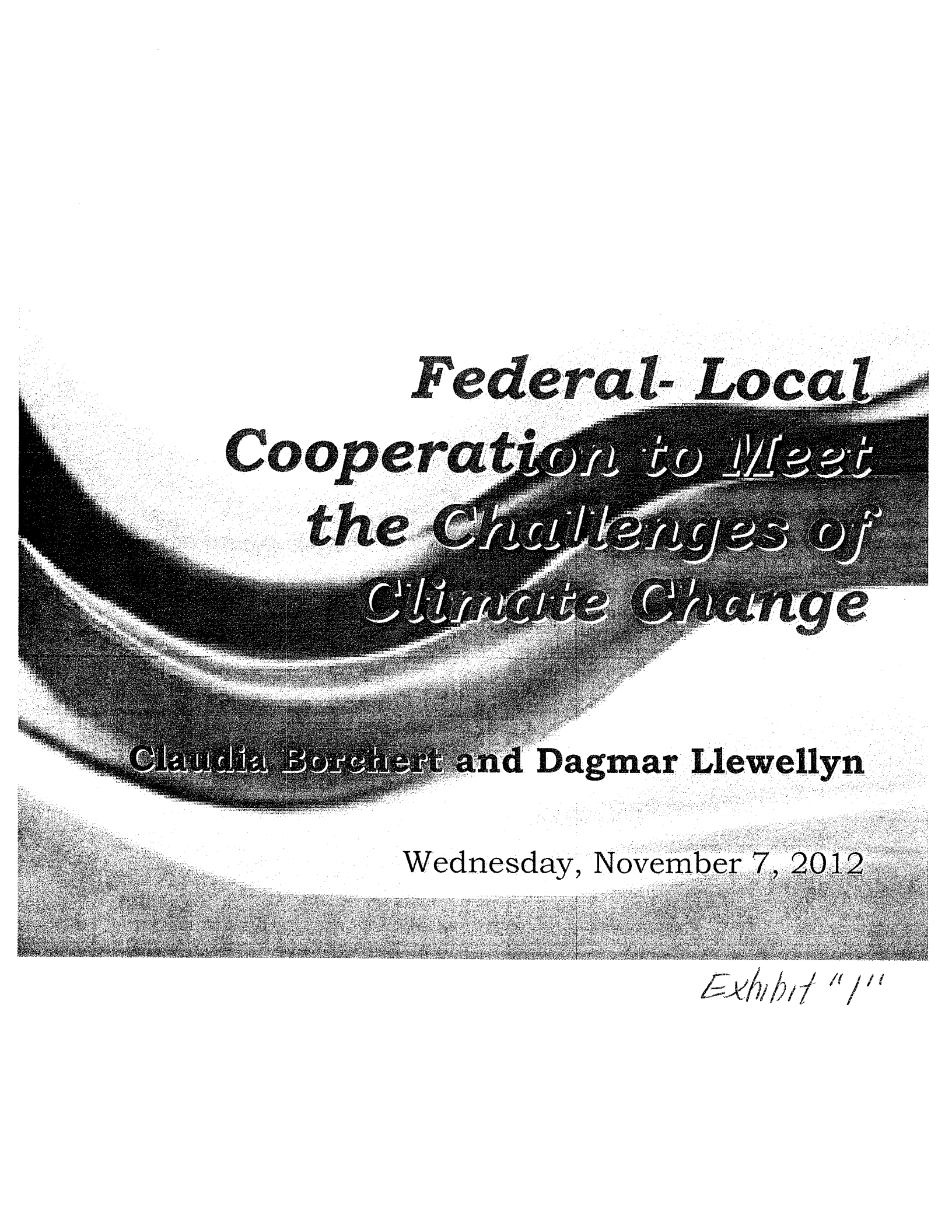
NEXT MEETING: WEDNESDAY, DECEMBER 5, 2012

ADJOURN

There was no further business to come before the Committee, and the meeting was adjourned at approximately 6:45 p.m.

Christopher Calvert, Chair


Melessia Helberg, Stenographer

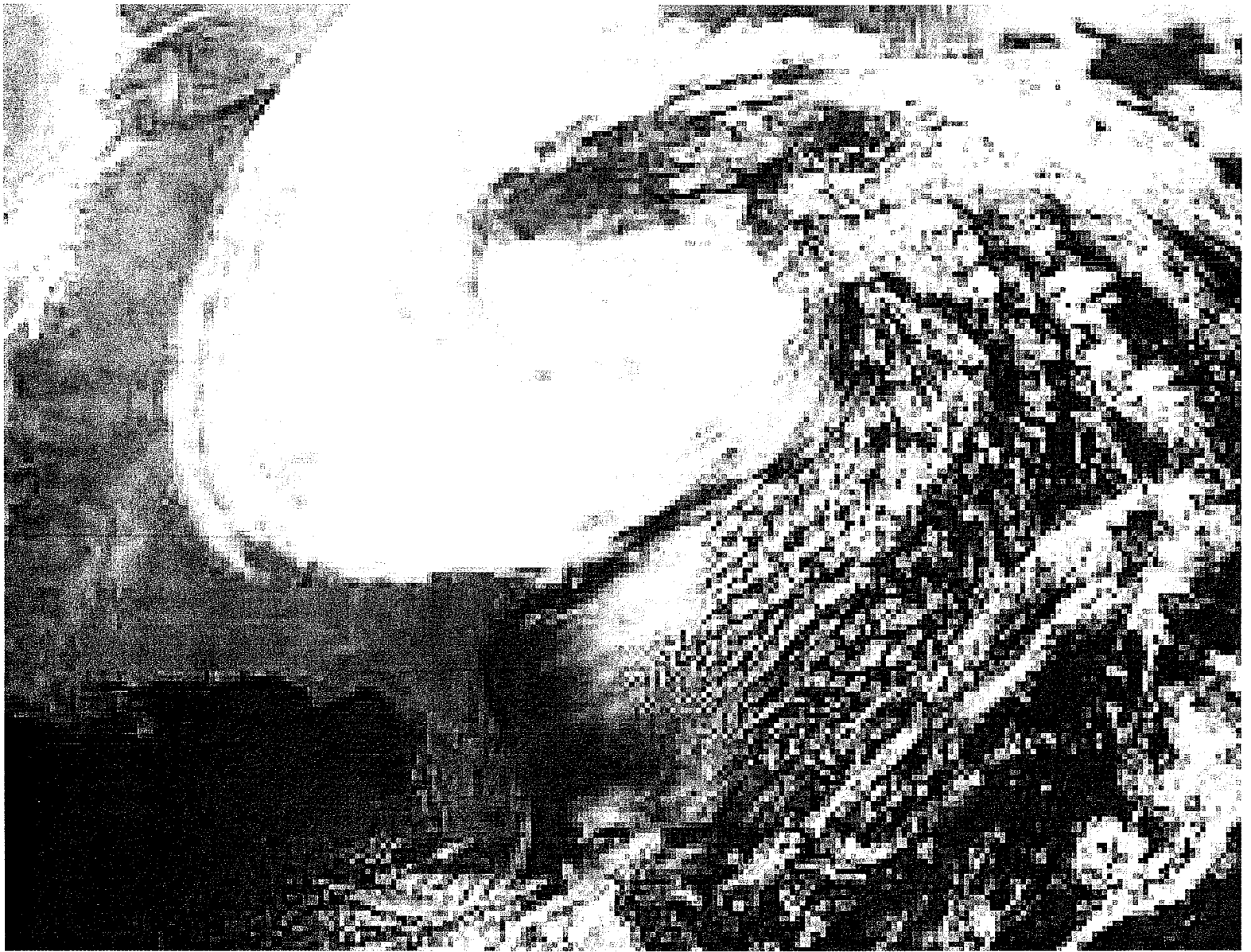


Federal- Local Cooperation to Meet the Challenges of Climate Change

Claudia Borchert and Dagmar Llewellyn

Wednesday, November 7, 2012

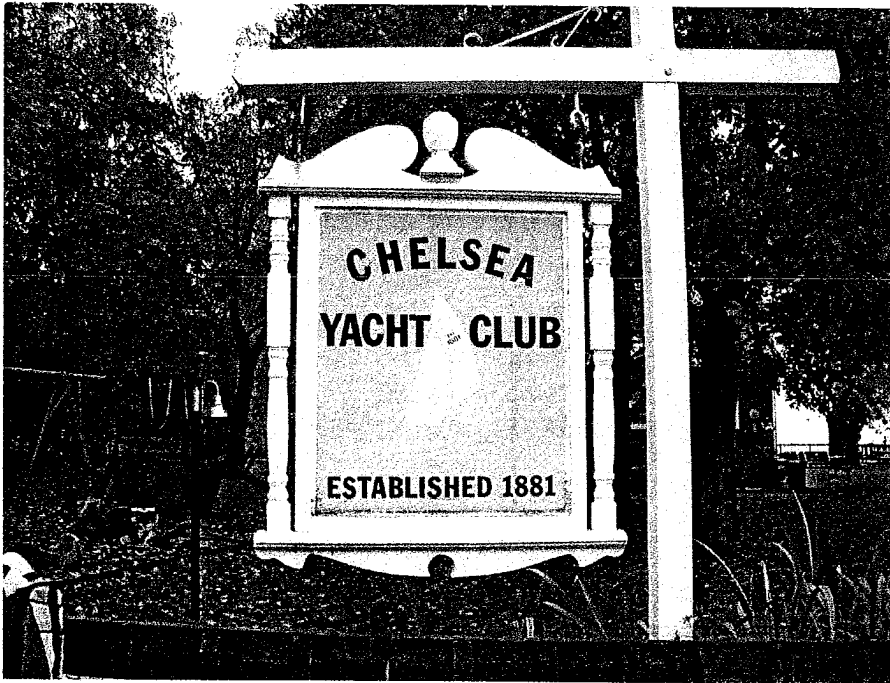
Exhibit "1"





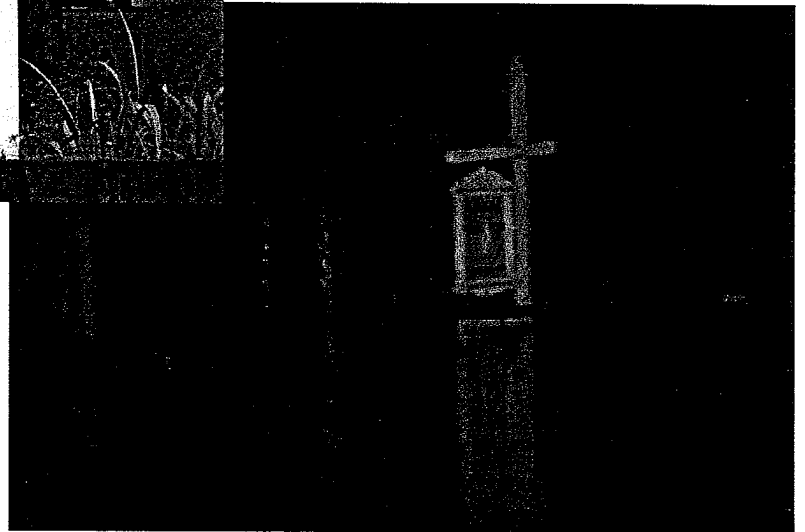
Maynard,
Massachusetts,
October 30,
2012

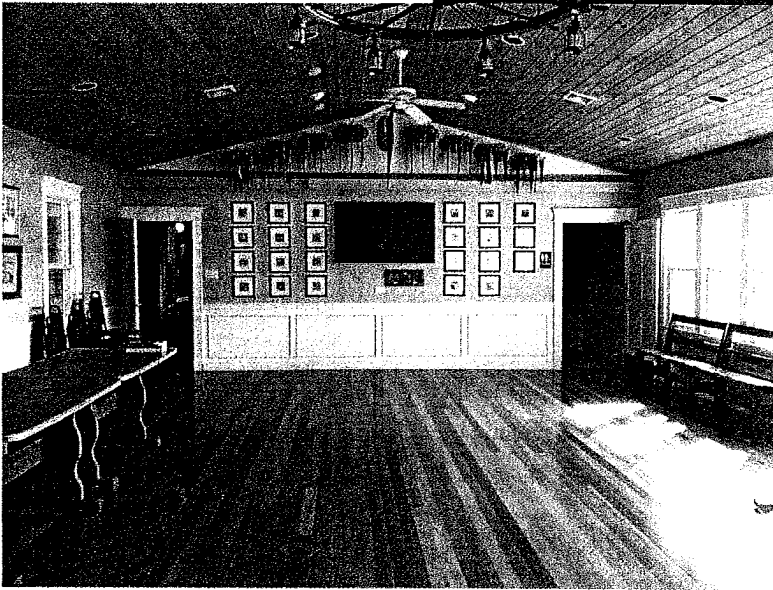
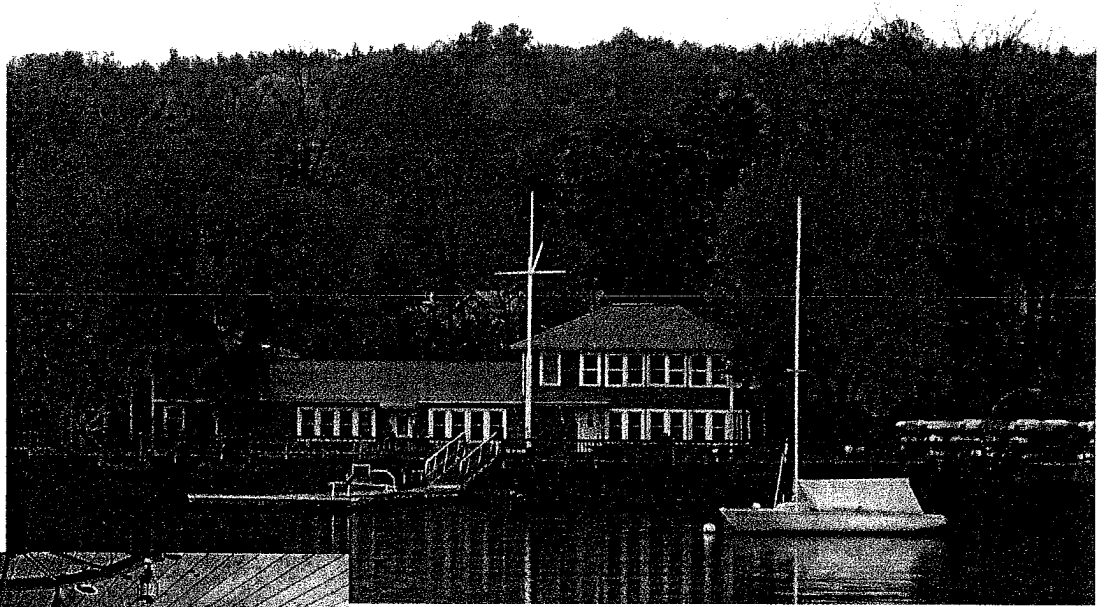


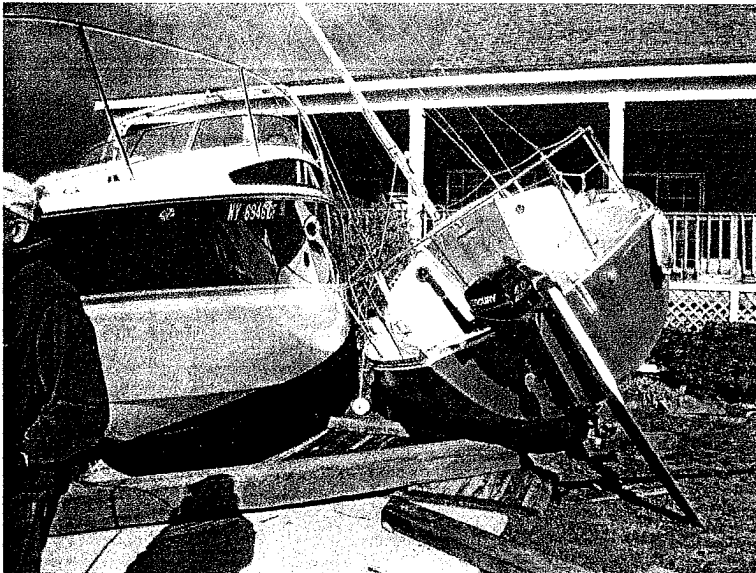
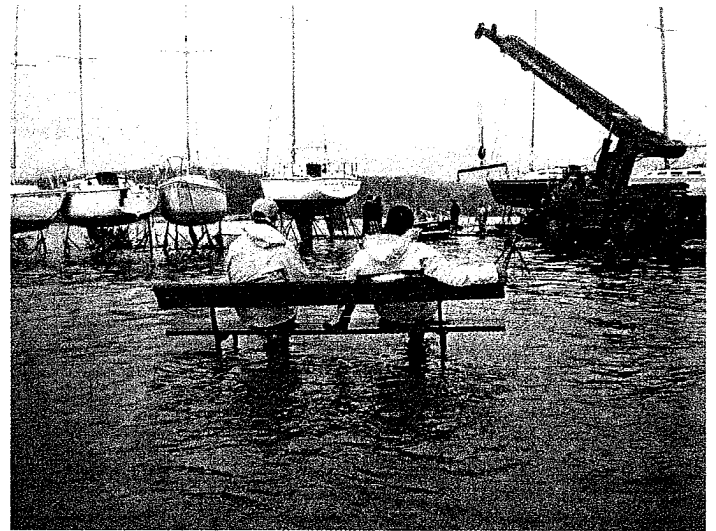


New York's Hudson River
Valley

Before and During
Hurricane Sandy





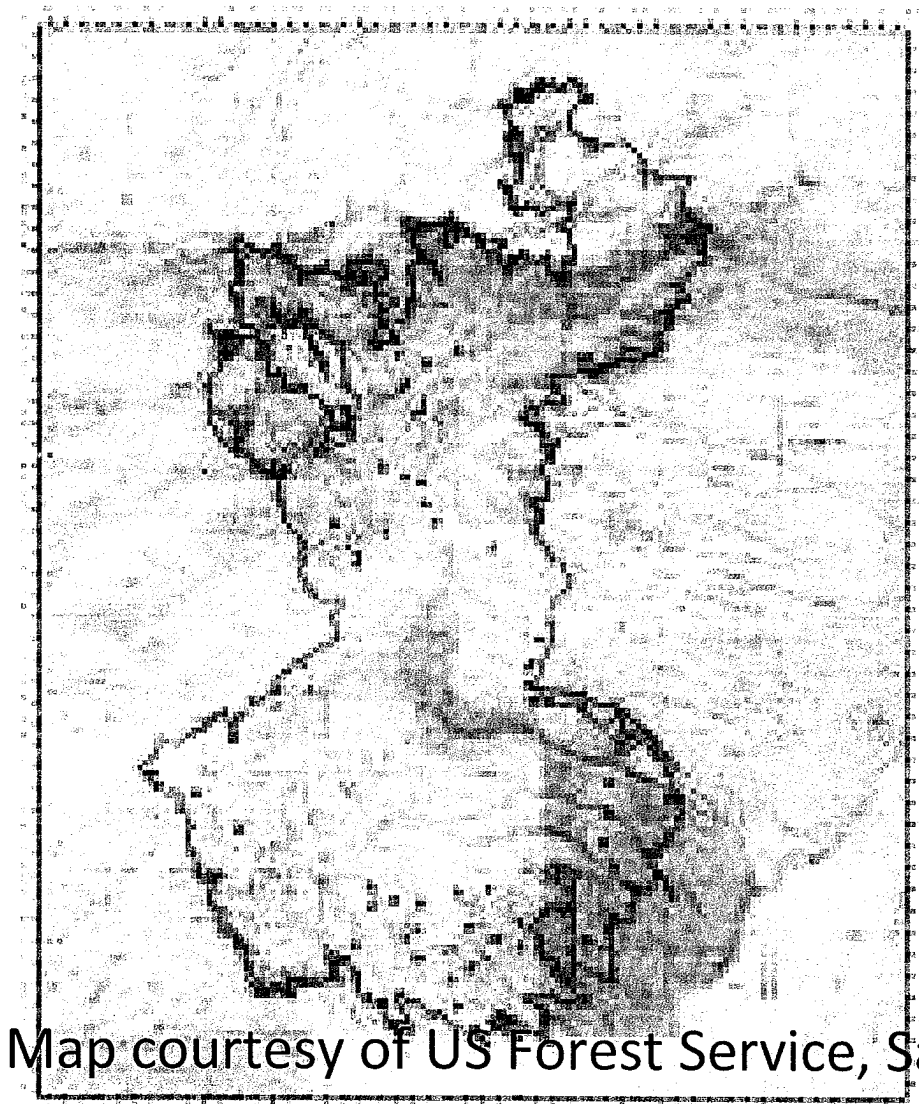


Las Conchas Fire

Acreage: 156,593

Residences

destroyed: 63



Map courtesy of US Forest Service, Santa Fe National Forest



Photo courtesy of US Forest Service, Santa Fe National Forest

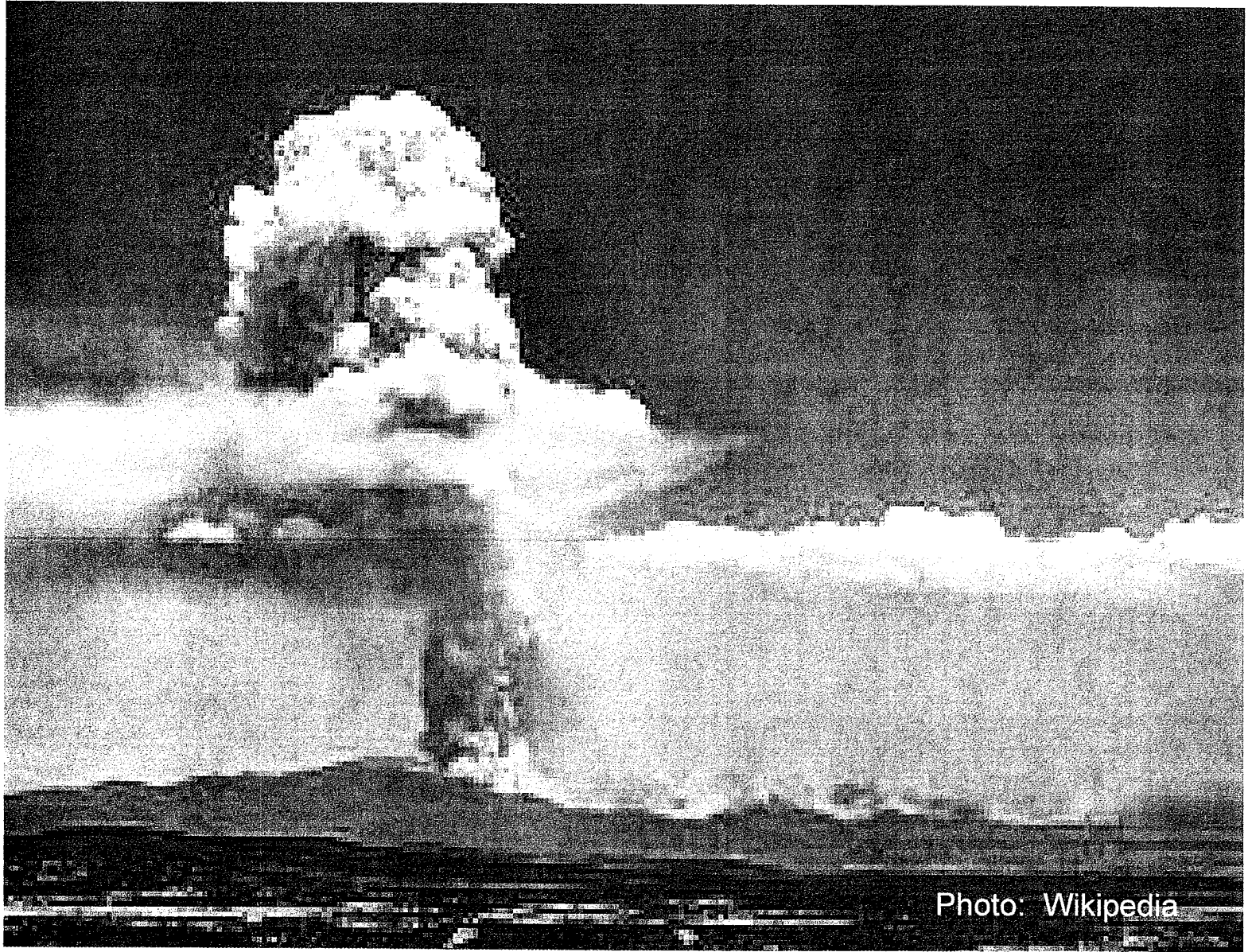


Photo: Wikipedia

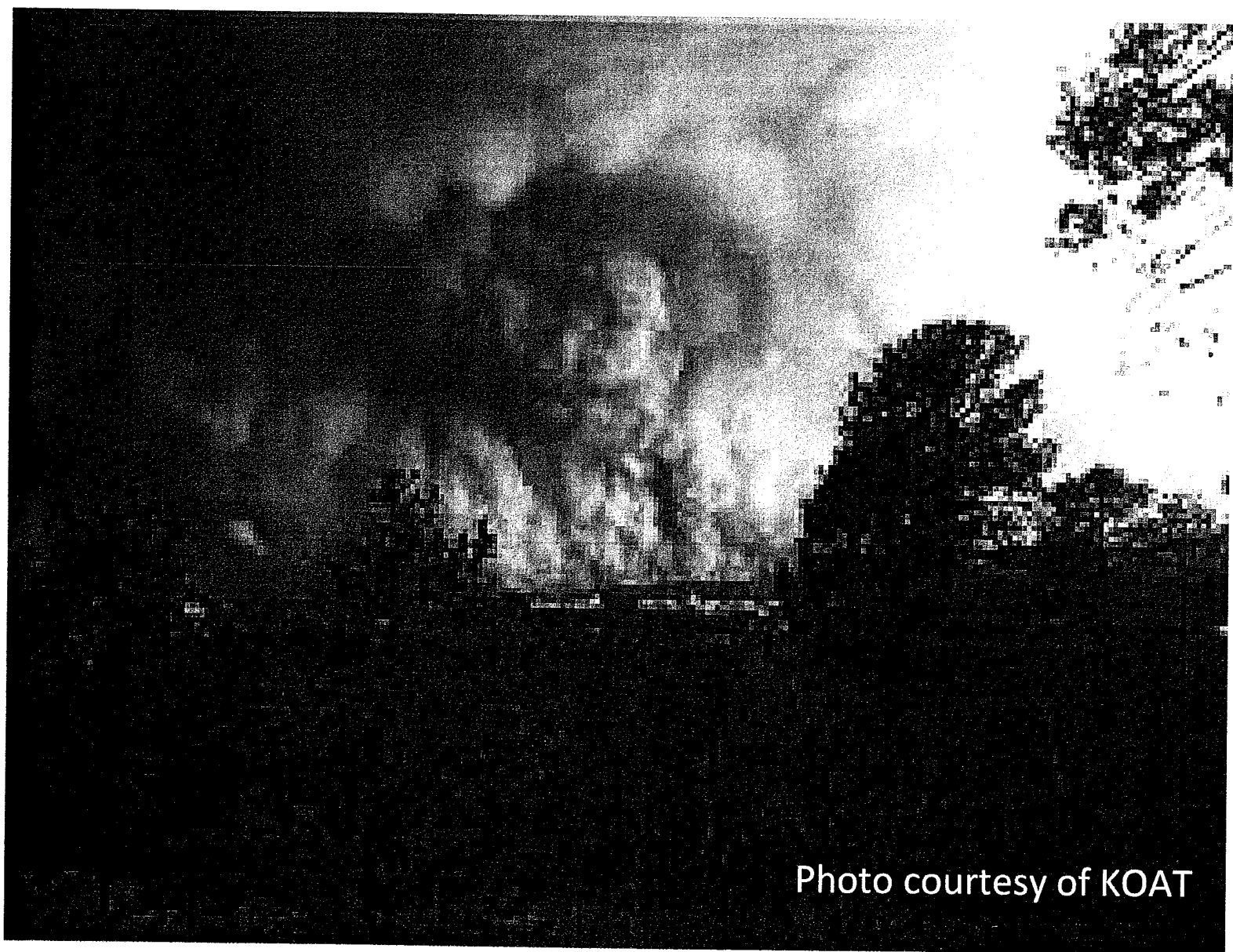


Photo courtesy of KOAT



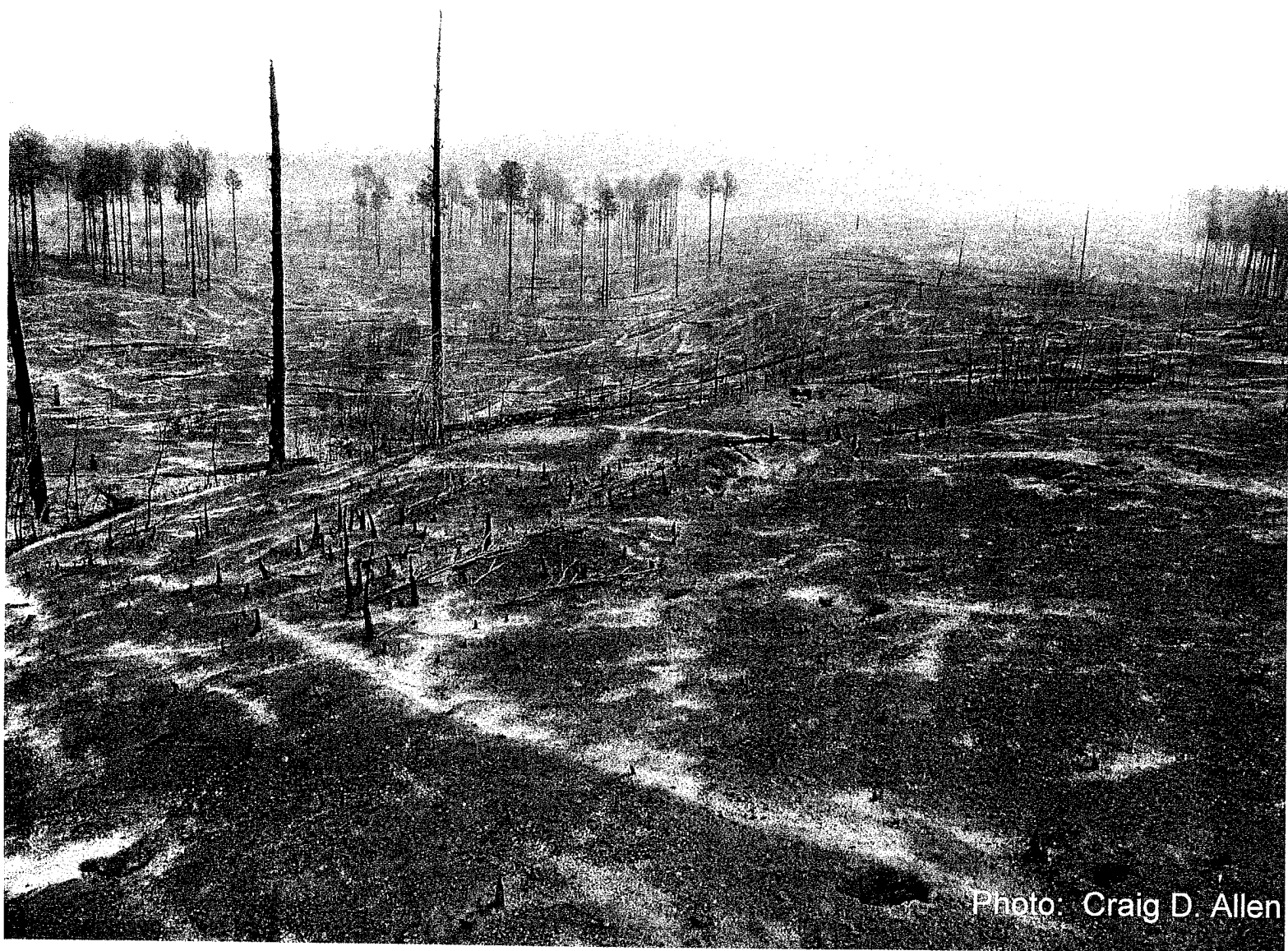


Photo: Craig D. Allen

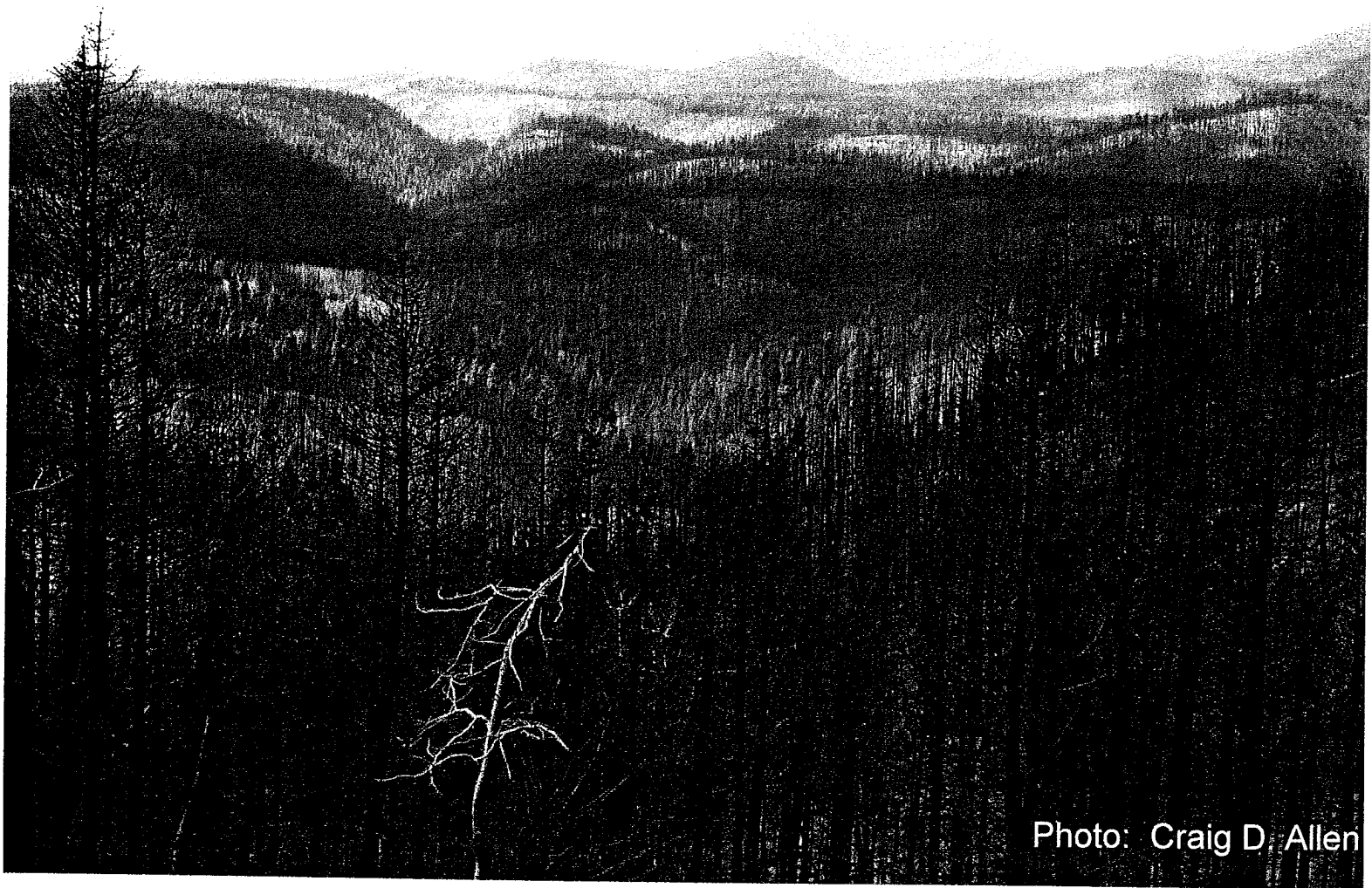


Photo: Craig D. Allen

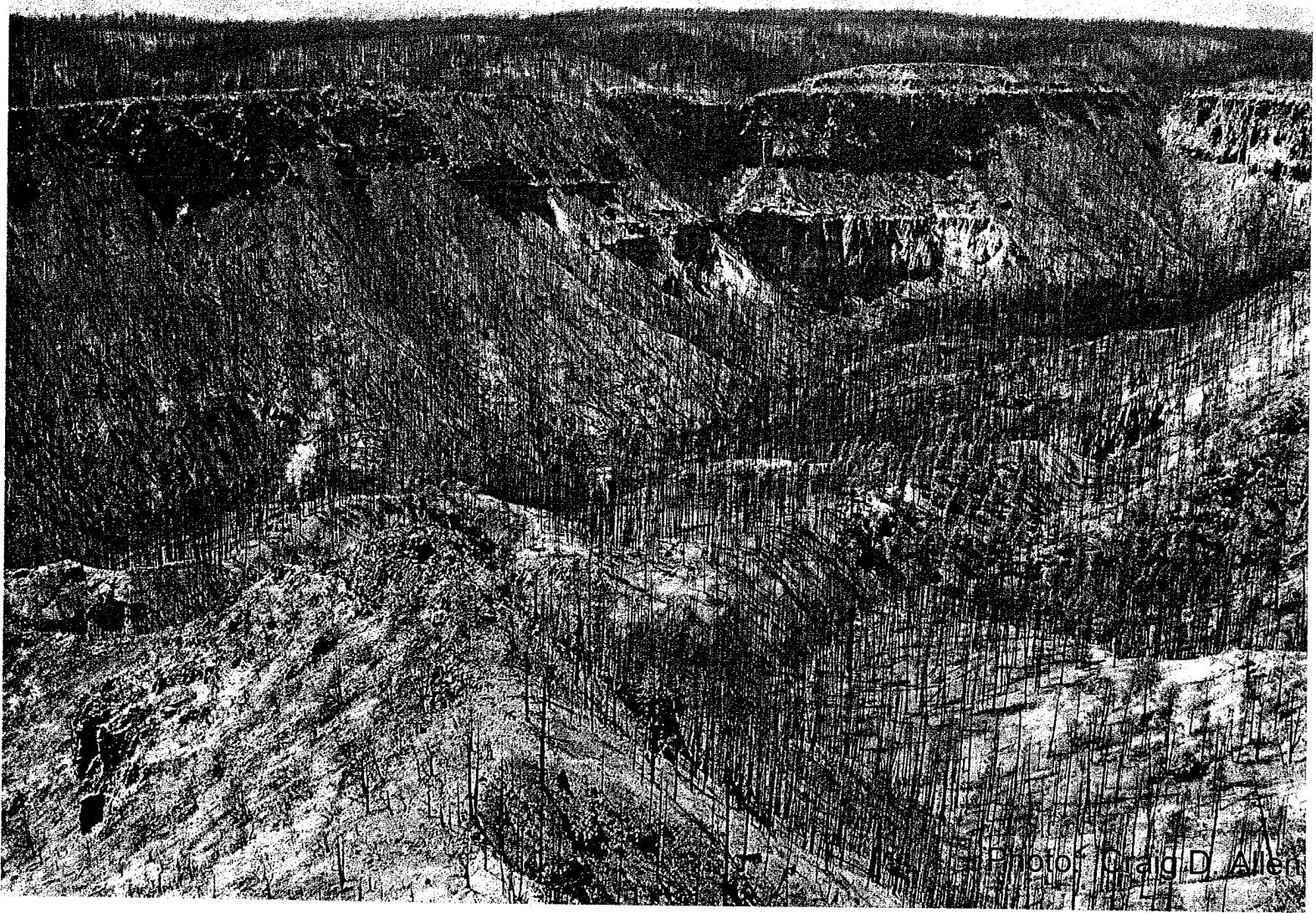


Photo: Craig D. Allen

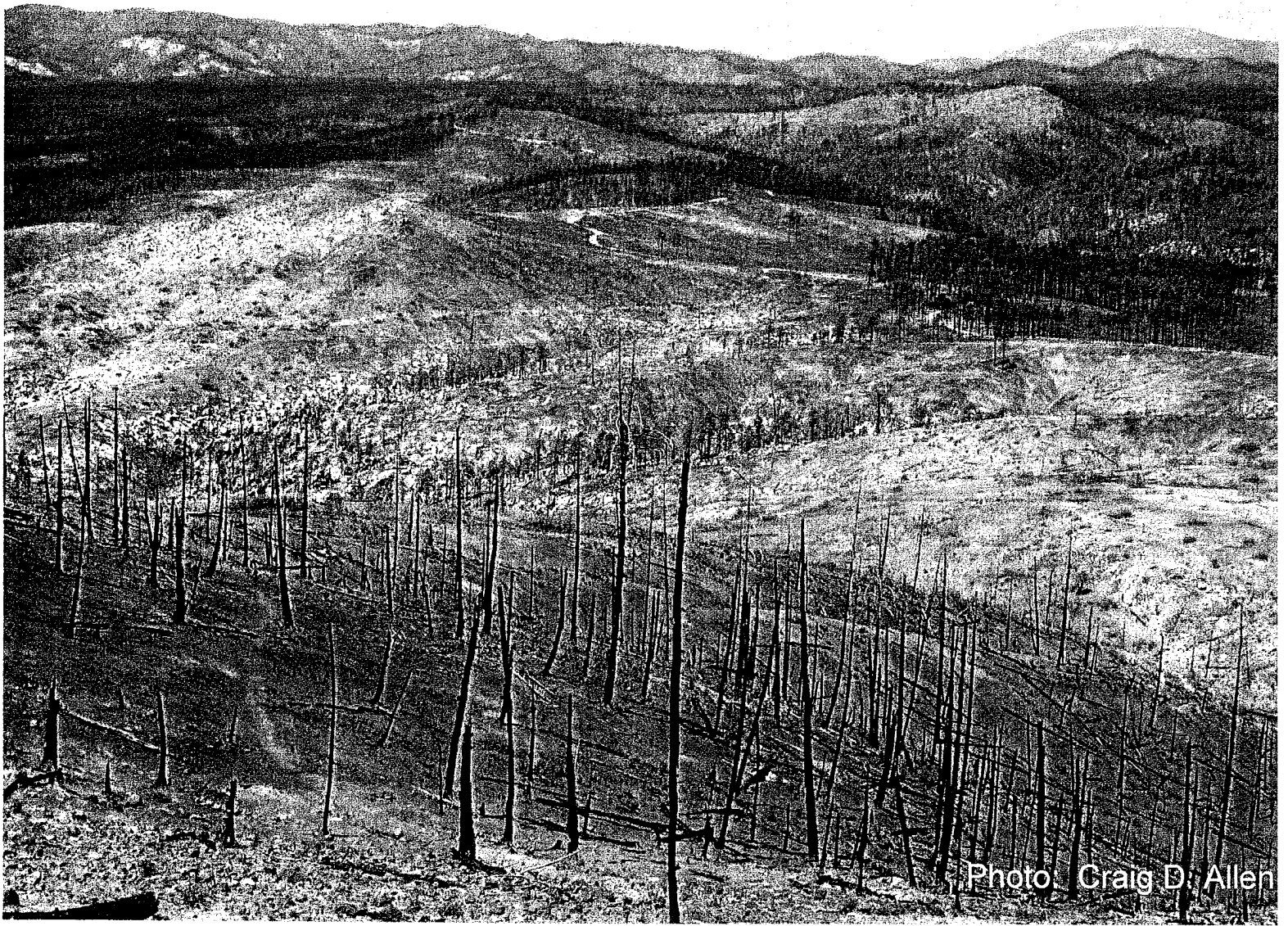


Photo: Craig D. Allen

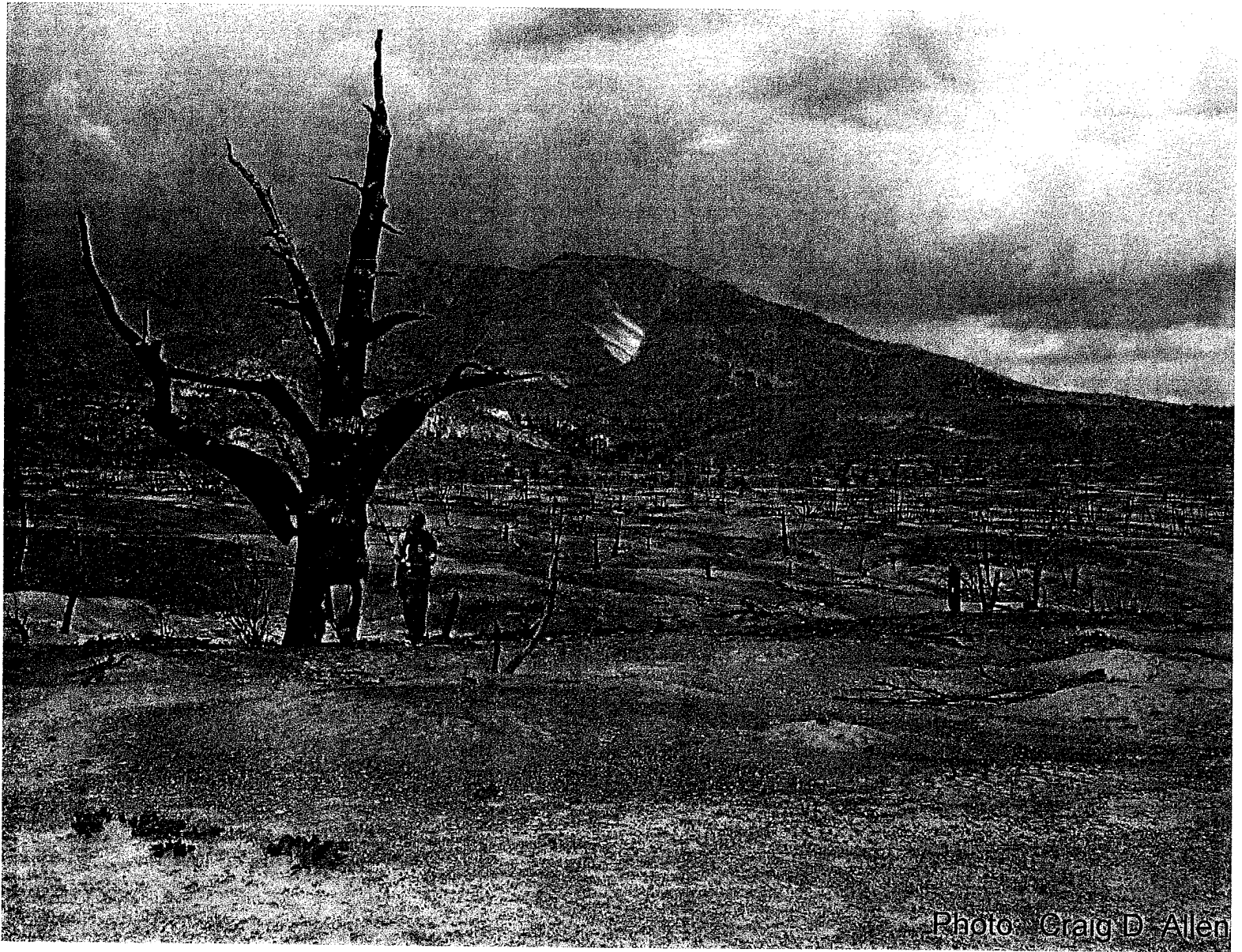


Photo: Craig D. Allen

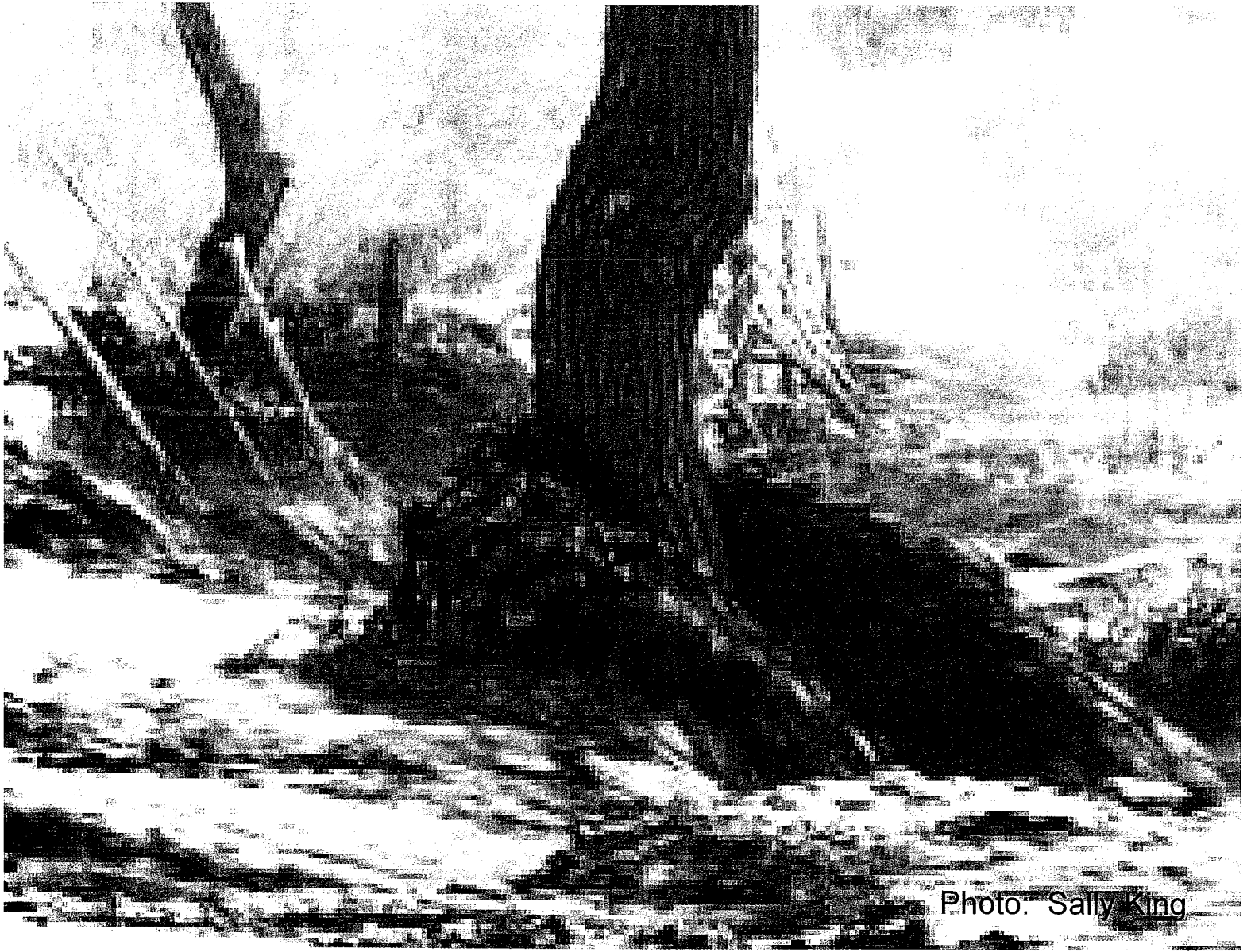


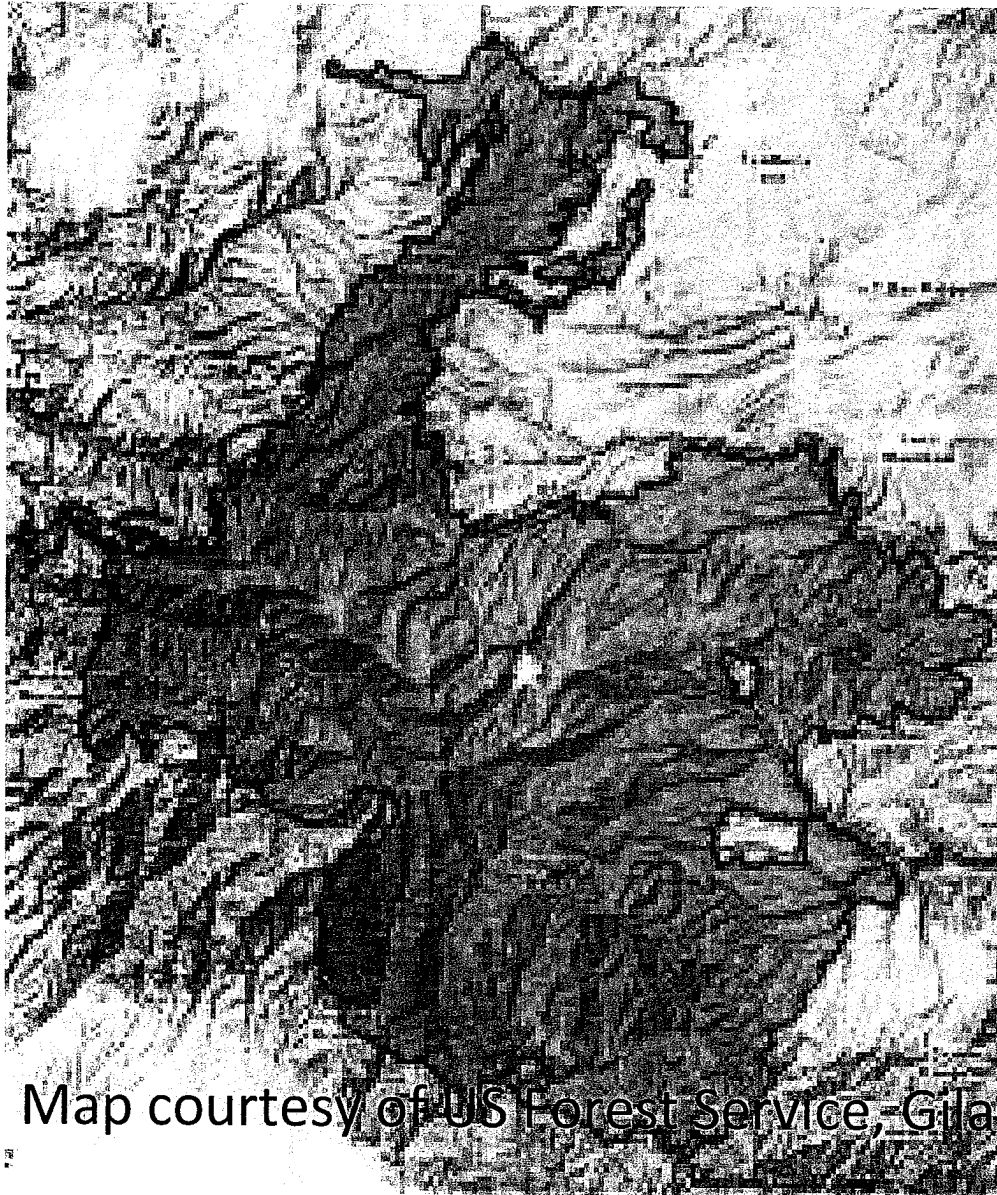
Photo: Sally King



Photo: Sally King



Photo: Debbi Maez



Whitewater- Baldy Complex Fire

Acreage: 297,845

Sq. miles: 465

Map courtesy of US Forest Service, Gila National Forest



Photo by Kari Greer, US Forest Service, Gila National Forest



Photo courtesy of U.S. Forest Service, Gila National Forest



Photo courtesy of U.S. Forest Service, Gila National Forest

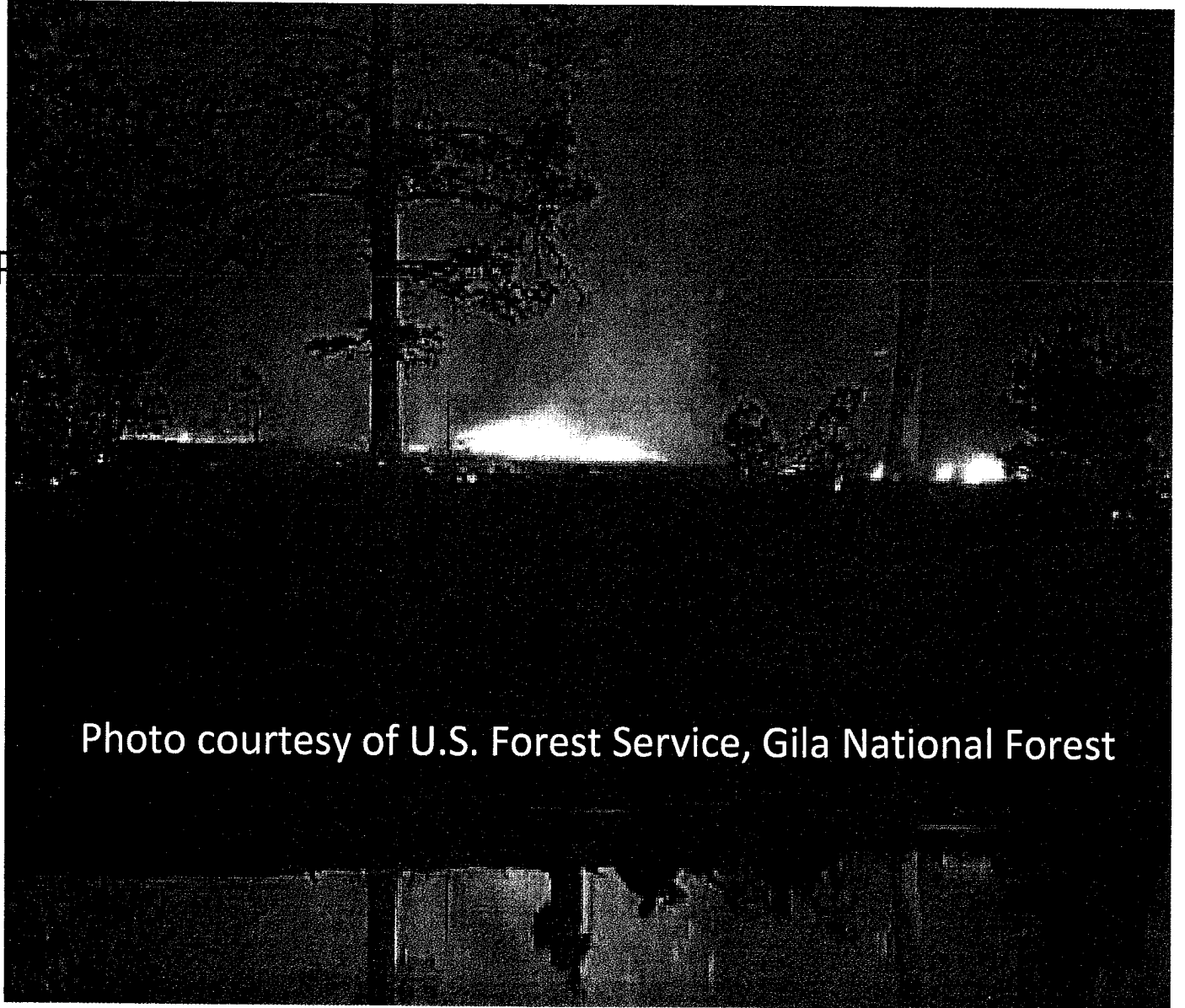


Photo courtesy of U.S. Forest Service, Gila National Forest

A black and white photograph showing a line of firefighters in the middle ground, walking across a field. In the foreground, two people are seated on the left and right, looking towards the firefighters. A fuel tank is visible on the ground between the observers. The background consists of a dense forest.

Photo courtesy of U.S. Forest Service, Gila National Forest



Photo by Steven Meister, US Forest Service, Gila National Forest

Dying piñon pine, Jemez Mts. October 2002



Photo: Craig D Allen

Pine skeletons, conversion to juniper woodlands, Jemez Mts.

May 2004

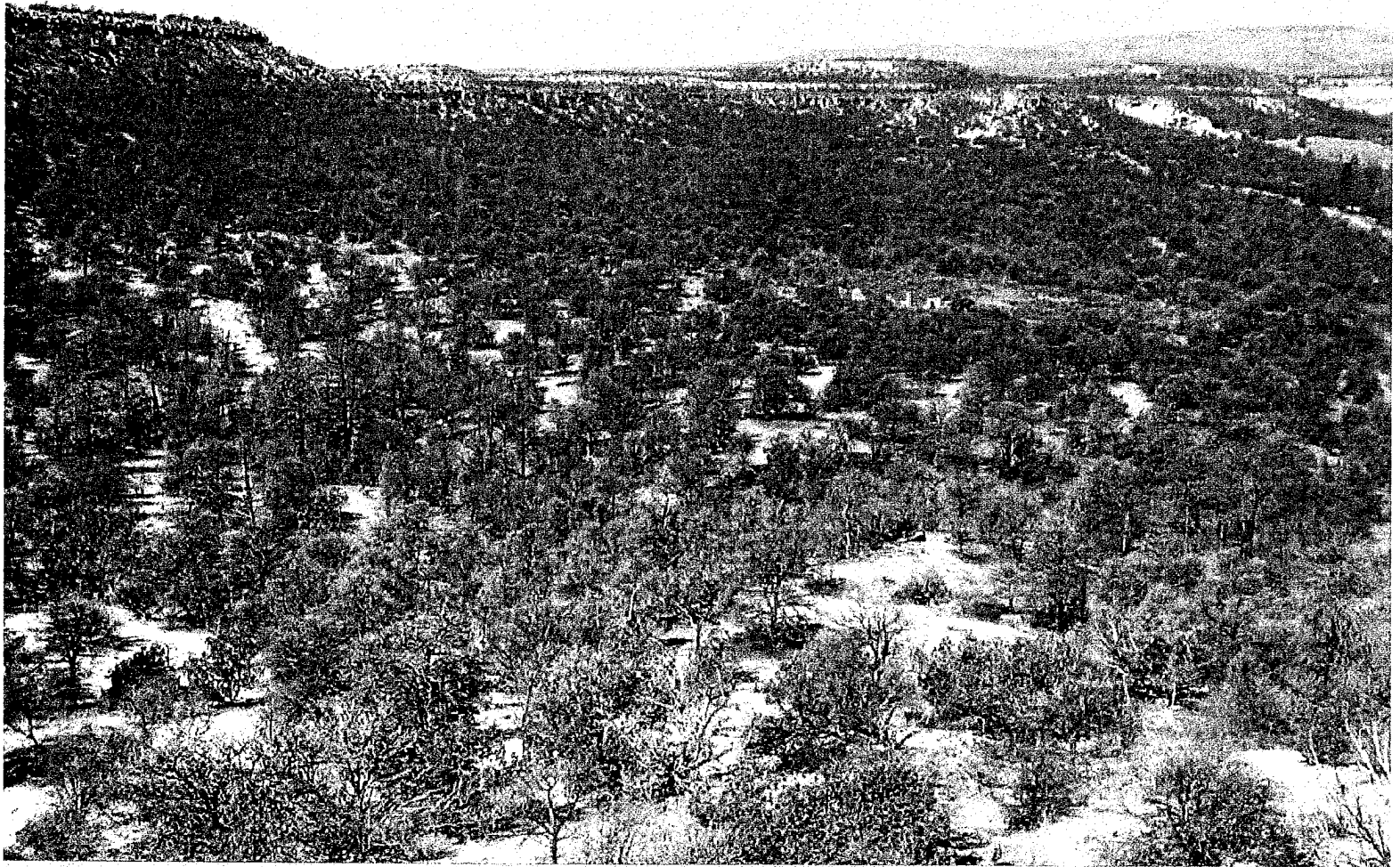


Photo: Craig D Allen

Dagmar's intro on Reclamation's role

SECURE Water Act:

Public Law 111-11, Subtitle F (SECURE Water Act, SWA) § 9503.

Coordination

Risks

Impacts

Adaptation
/ Mitigation

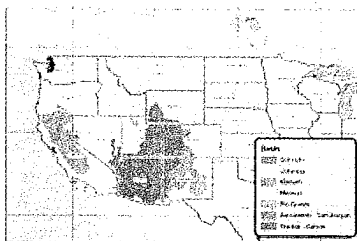
Feasibility

Monitoring

WaterSMART Basin Study Program

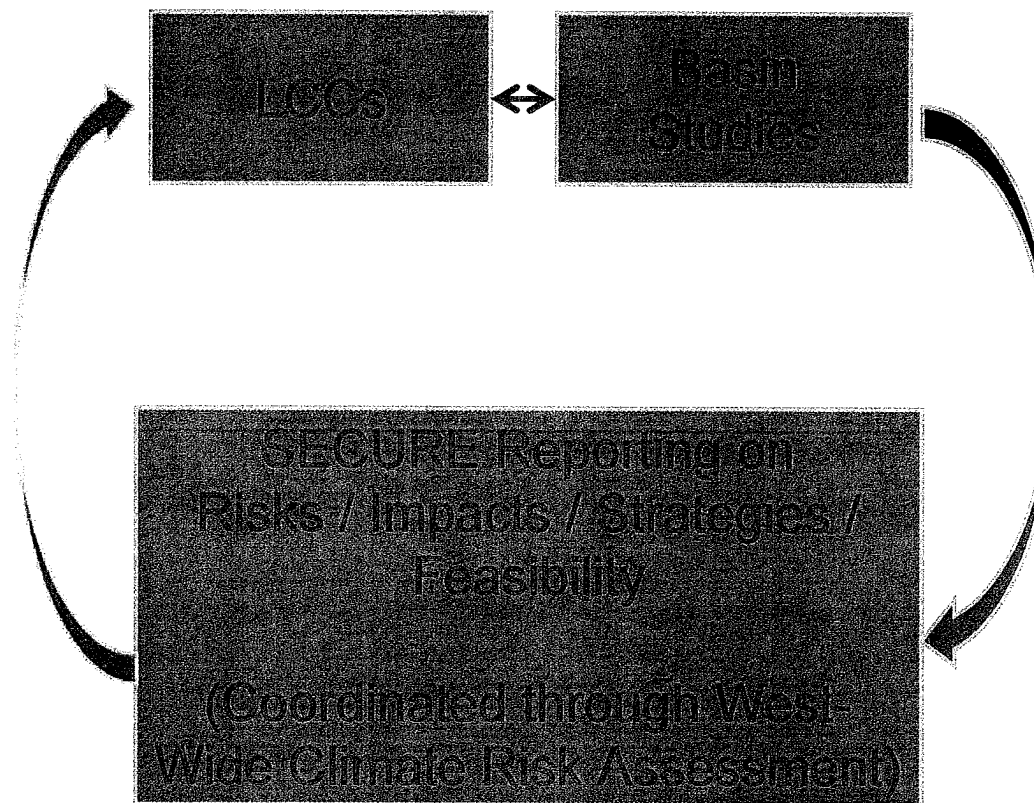
RECLAMATION
Managing Water in the West

**SECURE Water Act Section
9503(c) - Reclamation
Climate Change and Water
2011**

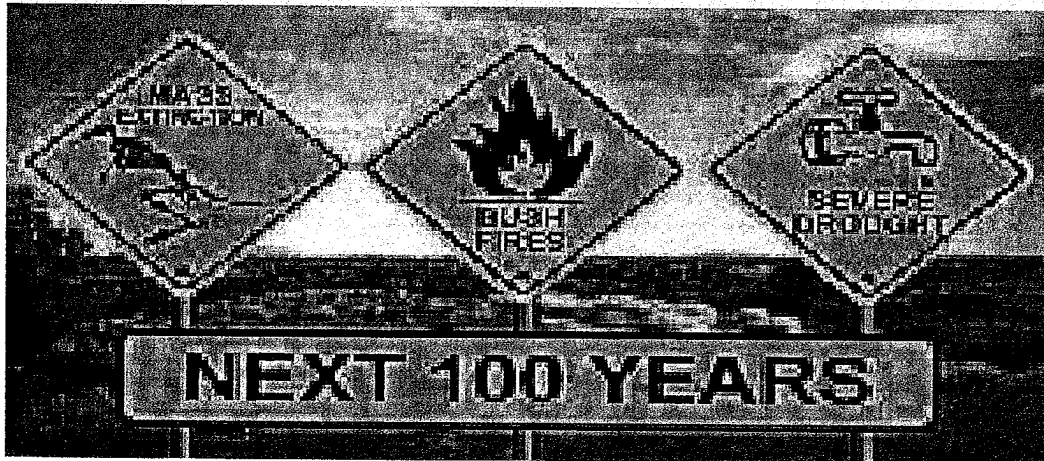


U.S. Department of the Interior
Bureau of Reclamation
WaterSMART

WaterSMART



Our Future?



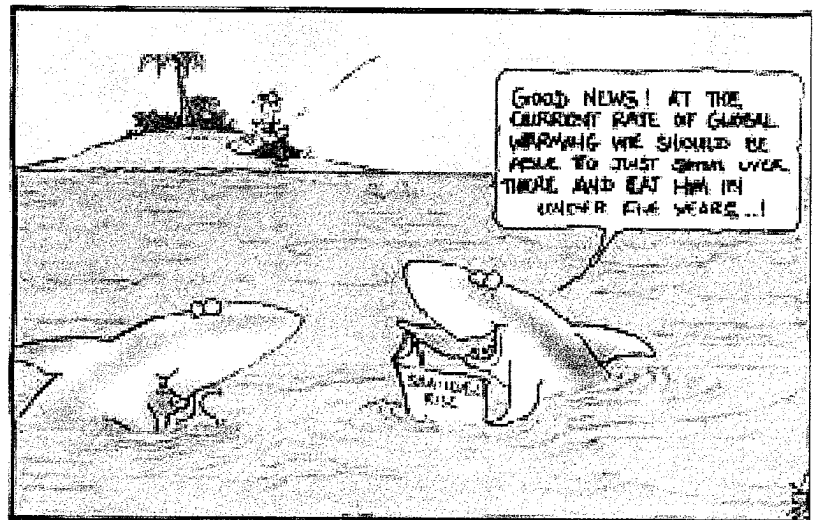
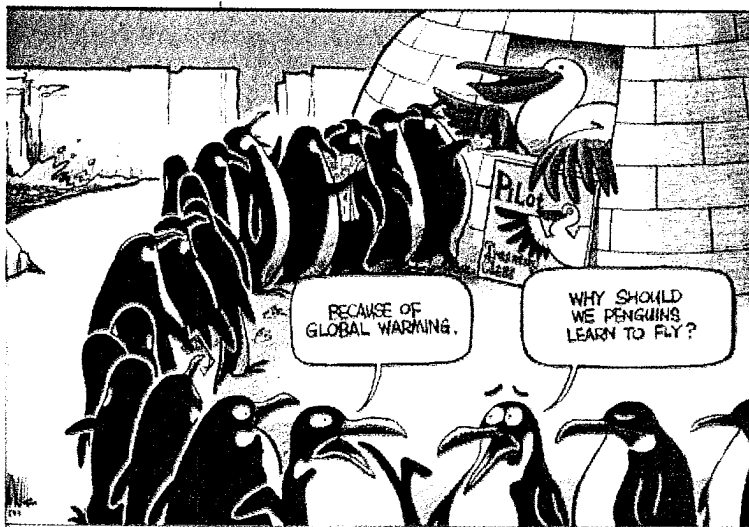
- ❖ Increased temperatures
- ❖ Diminished snowpack and earlier spring melt of existing snowpack
- ❖ Reduced stream flow due to greater evaporation rates and water use by plants
- ❖ Earlier stream flow peak (from earlier snowmelt) and dampened peak flows
- ❖ Drier mid- to late-summers
- ❖ More severe and frequent droughts
- ❖ Increased fire activity and risk of catastrophic fire
- ❖ More intense precipitation events resulting in increase peak storm flows, greater magnitude and frequency of flooding, higher erosion rates, more sediment transported by storm flows

Two Choices

- **POSITION OURSELVES FOR THE “NEW NORMAL” (preferably with “No Regret Actions)”**
- **SUFFER THE CONSEQUENCES**



Adaptation \leftrightarrow Resilience



The Assessment's Recommendations:

- ❖ **Improve ecosystem biodiversity.**
- ❖ **Manage and plan restoration holistically.**
- ❖ **Design or modify bridges and culverts to handle higher intensity runoff events.**
- ❖ **Incorporate urban agriculture in water and land use planning.**
- ❖ **Cultivate climate appropriate crops.**
- ❖ **Transfer water from agriculture to urban during drought for limited-term.**
- ❖ **Adjudicate Santa Fe basin water rights.**
- ❖ **Provide incentives and programs to significantly reduce high water users.**
- ❖ **Augment potable water supplies with reclaimed wastewater.**
- ❖ **Increase water storage capacity.**
- ❖ **Require pervious pavement where appropriate.**
- ❖ **Decentralize energy infrastructure.**
- ❖ **Municipalize energy system.**
- ❖ **Expand water harvesting techniques.**
- ❖ **Install solar panels over parking lots and elsewhere to reflect heat and produce energy.**
- ❖ **Establish a climate-change targeted monitoring system.**

Current Actions

**Forest thinning
Reclaimed Water Use
Riparian restoration
Storm-Flow management
Seed Sovereignty
Water Supply Planning
Education and Outreach
Land Preservation
Drought Management Plans
Emergency Response Capacity
Conjunctive Use of Water
Water for Ecosystems
Improved Water Quality
Domestic Well Restrictions
Locally-sourced Food
Irrigation Efficiency**

**Urban Forests
Local and Renewable Energy
Arroyo Stabilization
Energy-Wise Building Codes
Small-Scale Land Shaping
Public Involvement
Preservation of Green Spaces
Water Conservation
Regional Cooperation
Monitoring
Rangeland Improvements
Storm-water Retention
Art-inspired Actions
Aquifer Storage / Recovery Urban
Gardening
Water Demand Management**

Next Steps?

- ❖ **Seek comments on the assessment through November 30, 2012**
- ❖ **Collect input from other City committees and commissions**
- ❖ **Obtain community input**
 - **circulate the draft to workshop participants**
 - **issue press release directing public to city's website**
- ❖ **Finalize and acquire governing body approval of the final assessment**
- ❖ **Produce a polished pamphlet of the Executive Summary**
 - **bill insert**
 - **web site**
 - **general distribution**
 - **press release**
- ❖ **Organize monthly climate change brown bag lunch discussions - focused on coordination, collaboration and brainstorming**
- ❖ **Assess climate change impacts on our watershed's water supply (Part 2 of the Santa Fe Basin Climate Change Study)**
- ❖ **Respond to additional direction from governing body**

Questions?

	2011			2012		
	gal	lbs	gal/lb	gal	lbs	gal/lb
Jan	162500	104404	1.56	119900	107636	1.11
Feb	128700	88840	1.45	126700	117906	1.07
Mar	159700	128930	1.24	167200	156964	1.07
Apr	203200	102277	1.99	133400	117883	1.13
May	217700	107911	2.02	157100	108635	1.45
Jun	223200	118039	1.89	203800	100100	2.04
Jul	192800	110305	1.75	242900	118127	2.06
Aug	169900	157656	1.08	225500	129753	1.74
Sep	143300	128371	1.12	184700	95126	1.94
Oct	146000	113505	1.29	199200	131055	1.52
Nov	165000	87448	1.89			
Dec	138300	92581	1.49			
	2011 average		1.56	2012 average		1.51

National average is 3 gal/lb.

