



Agenda

**SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL – 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM**

October 16, 2018
4:00 PM TO 6:00 PM

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE SEPTEMBER 11, 2018 MEETING

CONSENT AGENDA:

6. UPDATE ON CURRENT WATER SUPPLY STATUS (Christine Chavez, Water Conservation Manager, cychavez@santafenm.gov, 955-4219)
7. 2019 WATER CONSERVATION COMMITTEE MEETING SCHEDULE (Christine Chavez, Water Conservation Manager, cychavez@santafenm.gov, 955-219)

INFORMATIONAL ITEMS

8. PRESENTATION AND DISCUSSION OF THE SUSTAINABLE SANTA FE 25-YEAR PLAN (Beth Beloff, Sustainable Santa Fe Commission Chair)
9. RESTAURANT PILOT DATA (Doug Pushard, Water Conservation Committee member, doug@kuelwater.org)

ACTION ITEMS:

10. COMMITTEE WORKPLAN (Councilor Romero-Wirth) (Christine Chavez, Water Conservation Manager, cychavez@santafenm.gov, 955-4219)
11. WATER CONSERVATION COMMITTEE APPOINTMENTS (Councilor Romero-Wirth)(Christine Chavez, Water Conservation Manager, cychavez@santafenm.gov, 955-4219)

MATTERS FROM PUBLIC:

MATTERS FROM STAFF:

MATTERS FROM COMMITTEE:

NEXT MEETING – (Councilor's Conference Room): TUESDAY, NOVEMBER 20, 2018

CAPTIONS: due by 3:00 pm, October 29, 2018

PACKET MATERIAL: due by 3:00 pm, Wednesday, October 31, 2018

ADJOURN.

Persons with disabilities in need of accommodations, contact the City Clerk's office at 955-6520, five (5) working days prior to meeting date.

RECEIVED AT THE CITY CLERK'S OFFICE

DATE: 10/09/2018

TIME: 4:56 PM

**SUMMARY OF ACTION
 SANTA FE WATER CONSERVATION COMMITTEE MEETING
 CITY HALL, 200 LINCOLN AVENUE, CITY COUNCILOR'S CONFERENCE ROOM
 TUESDAY, OCTOBER 16, 2018, 4:00 PM**

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**SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL, 200 LINCOLN AVENUE, CITY COUNCILOR'S CONFERENCE ROOM
TUESDAY, OCTOBER 16, 2018, 4:00 PM**

1. CALL TO ORDER

The meeting of the Santa Fe Water Conservation Committee was called to order at 4:00 pm by Councilor Romero-Wirth, Chair, on Tuesday, October 16, 2018, at City Hall, in the Councilors Conference Room, 200 Lincoln Avenue, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT

Councilor Carol Romero-Wirth, Chair
Tim Michael
Scott Bunton
Robert Coombe
Doug Pushard
Lisa Randall
Bill Roth
Ken Kirk
(Vacancy)
(Vacancy)

MEMBERS ABSENT

Stephen K. Wiman, Excused

OTHERS PRESENT

Christine Chavez, City of Santa Fe, Water Conservation Manager
Andy Otto, Santa Fe Watershed
Beth Beloff, Chair, Sustainable Santa Fe Commission
Glenn Schiffbauer, Director, Green Chamber of Commerce
David Carlson, Potential Board Member
Stephen Schmelling, Potential Board Member
Elizabeth Martin, Stenographer

3. APPROVAL OF AGENDA

MOTION A motion was made by Mr. Roth, seconded by Ms. Randall, to approve the agenda as presented.

VOTE The motion passed unanimously by voice vote.

4. APPROVAL OF CONSENT AGENDA

MOTION A motion was made by Mr. Roth, seconded by Mr. Bunton, to approve the consent agenda as presented.

VOTE The motion passed unanimously by voice vote.

**5. APPROVAL OF MINUTES
SEPTEMBER 11, 2018**

MOTION A motion was made by Ms. Randall, seconded by Mr. Kirk, to approve the minutes as presented.

VOTE The motion passed unanimously by voice vote.

CONSENT AGENDA

6. UPDATE ON CURRENT WATER SUPPLY STATUS

Approved on consent.

7. 2019 WATER CONSERVATION COMMITTEE MEETING SCHEDULE

Approved on consent.

INFORMATIONAL ITEMS

**8. PRESENTATION AND DISCUSSION OF THE SUSTAINABLE SANTA FE 25 YEAR PLAN
BETH BELOFF, SUSTAINABLE SANTA FE COMMISSION CHAIR**

Ms. Beloff stated that copies of the plan are in everyone's meeting packets. This is the result of three years of work. Many of you were involved in this effort to have a 25 year sustainable Santa Fe and carbon neutral plan. Developing this plan was prompted by numerous Resolutions the Governing Body approved. It is a response to climate change in the absence of any Federal will to do so. The plan exhibit is a separate document which is also available in your packets. The plan has 91 strategies that cross cut with a timeline and resources inventory. Moody's is taking into account when doing bond ratings if the City has a sustainability plan or not. Carbon neutrality is in all four phases of the plan.

Ms. Beloff reviewed the plan overview. The plan overview documents are herewith attached to these minutes as Exhibit "1" and "2".

Mr. Pushard asked where are we in the process.

Chair Romero-Wirth said this is educational. We can take it from here in terms of what it means for us and this Committee's work. This is brand new. This committee has been interested in this and participated in some of the working groups and now we can see what the impacts are.

Ms. Beloff said the plan has to go through the committee process first then a Resolution will be presented at City Council to adopt the plan.

Chair Romero-Wirth said in terms of as it moves through committees if there are things you see that you want to provide feedback on that is great.

Ms. Beloff said this has been a moving target. Things have been developed through out the process. There are some things she would have like to have had included and they are not. We need to use this and enhance it as we move along and adapt to the future.

Ms. Beloff reviewed the water section of the plan in a bit more detail.

Ms. Randall asked what is the timeline for the three committees and Council

Ms. Beloff said it has to go through Public Utilities, Public Works and Finance then to Council. We expect that to happen in November or early December.

Chair Romero-Wirth said we have only one meeting of Council in November and one in December. The last Council meeting of the year is on December 12th.

Ms. Beloff said we want it done before the end of the year.

Ms. Randall asked is there an approval process.

Ms. Beloff said it will be approved at each committee.

Mr. Kirk asked has the County had input into the plan.

Ms. Beloff said yes, Claudia Bouchett from the County attends our meetings and gives input and we have had ongoing conversations about how the teams in both places can work better together. Also Kathy Holian, former County Commissioner, is a member of our Commission and has been about making sure the City and County work together.

Chair Romero-Wirth said we are convening a meeting of this Commission and the Water Commission for the County to talk about water issues on October 24th. We don't know exactly where that is going to go. Hopefully we can collaborate and build trust. She is working with County Commissioner Hamilton on this effort.

Mr. Coombe asked have there been any conversations about resources to drive this plan forward.

Ms. Beloff said in the appendix the resource needs are articulated. In terms of coming up with a financial plan we have deferred that to the departments that are responsible for driving these strategies to come up with budgets and put that into the budget process.

Mr. Coombe asked so at some point there will be a call for that plan from departments.

Ms. Beloff said yes

Mr. Bunton said he noticed you indicated there should be at least two neighborhood scale projects created. That is a different approach than the City has used in the past. What was the thought behind that and why is it important.

Ms. Beloff said that was driven by the Water Department. We had input from those in the Water Department themselves to show how neighborhoods could work together as a sub community and scale up.

Mr. Bunton said here would be a sense of accomplishment and it is possible that it could be done community by community.

Mr. Roth said there are 91 items here and lots of City Departments and political agendas. Is the idea that this informs everything. Everything is seen through this lens.

Chair Romero-Wirth said that is up to the Mayor and if City Council adopts this potentially that is what would happen. The Council saw this at our last meeting. This is brand new. It will be interesting to see it as it goes to committees and what happens there.

Mr. Coombe asked timeline wise, will the implementation be possible to get into the next budget.

Chair Romero-Wirth said we are doing a mid-year review in January. That has not ever been done before. We are not sure how it will work yet. Mary McCoy was instructed at Finance to develop an outline of what the mid-year budget process was trying to achieve and how in depth it will be. Potentially there is an opportunity to have this considered for next year in March. The City budget has to be ready to present to the State on July 1st.

Mr. Coombe said he assumes the approval will be in place before that.

Chair Romero-Wirth said yes if this is approved by the end of the year and the mid-year review is in January. Lots of departments are trying to develop their budgets with new financial administration plan. There are substantial changes and review.

Ms. Beloff said there is already some action taking place. Shirlene Sitton jumped into the void. She began engaging Christine and other staff people and formed a very strong group of dedicated people who helped develop the plan and are interested in implementing it. They are already thinking of what resources they need in their departments to implement this plan. It is a matter of thinking differently in

capital planning.

Mr. Coombe said terrific.

Mr. Michael asked who was the consultant.

Ms. Beloff said The Brendle Group out of Ft. Collins, Colorado. They are planners, engineers and scientists. When we hired them initially they had done over 300 plans for cities across the United States. They were very responsive to us and our needs and helped tremendously on how to make triple bottom line thinking work. We are very happy with them.

Chair Romero-Wirth asked how are the other plans in other cities coming along. Are we going to get the benefit of their implementation.

Ms. Beloff said we have been so focused on the planning process itself. We borrowed from some of the other plans. In terms of implementation that was not a focus quite frankly of the consultant. It would be very interesting to know what hiccups and successes are happening.

Ms. Beloff said they did work with us on some of the foundation pieces of implementation such as an Interdepartmental Council tasked with working to embed this and community engagement. The core of implementation does come from what they have seen in other cities.

Mr. Pushard said for clarification they have done 300 consulting projects. He is very aware of this organization and what they have done on water. They have not done 300 sustainability plans. Sustainable plans are new to us.

Ms. Beloff said we combined climate action plans with sustainability plans.

Mr. Pushard said understanding best practices and learning from other communities is part of what we need to do.

Chair Beloff said that is in the plan.

Mr. Pushard said we should pay attention to that so we don't go down a rat hole. He does think the communities who have sustainability people who can help us is who to focus on. Not the plans. We are in the top 10% of the Country right now with this plan.

Ms. Beloff said the Smart Cities Groups and Sustainable Development Communities are some of the organizations the City is a party to. That is a good a place as any to hear best practices.

Chair Romero-Wirth said thank you Beth for coming and congratulations on your plan.

9. RESTAURANT PILOT DATA

Mr. Pushard said the data from this project is in your packet. The results of that are not what he would call the most sustainable thing, but worth a look. Glen will give us a bit of an overview.

Mr. Schiffbauer said we started looking at the restaurants and hotels we had been asked to join with the Watershed to work with. We looked at seven restaurants and expanded relationships with them and moved to some of the larger entities in Santa Fe and recruited them to the program. There were a lot of anecdotal issues with some of the metering and trust issues around sharing information. When any government entity comes in and says we want to get into your information, people are cautious. We were able to pull in thirty one restaurants. It opened our eyes to what is out there and what the realities are. We have gone back to visit and given them their membership to the Green Chamber of Commerce which the City helped us to achieve. All of them were overjoyed to have participated. We are looking forward to expanding on that.

Mr. Pushard said we started this a year ago. We did a pilot and in the pilot itself we saved 450,000 gallons by doing the audits over a year. It won't stay that way because this was mainly through the replacement or placement of aerators. We gave them a set of recommendations that they could potentially do. Some included the rebates program. In the reports if you look at the cumulative report 1.8 million gallons a year was the potential water savings identified. That was only in 10% of the restaurants.

Mr. Roth asked the direct water savings were 450,000 gallons and the 1.8 million gallons over and above that.

Mr. Pushard said yes.

Mr. Roth said if the restaurants you worked with took the actions you recommended that could be tremendous. What can we do to encourage them to take these actions.

Mr. Pushard said we need to come up with a change in our rebate program to sweeten the pot. There are some interesting challenges with restaurants. With a certain amount of them their landlord pays the water bill. The bigger issue is they don't have a water bill we can credit for the rebate program we have. We have to put together creative ways so they can actually get a rebate. Second our current rebate program is designed so that you get paid after a year. In some cases we are talking about them spending \$30,000 to \$50,000 up front. A year is probably not a practical approach. We have to figure out how to split it up so something is given up front and something at the end. We have to put together a new program that is focused on restaurants and their unique challenges and we need to get that passed by City Council. The largest savings was Second Street Brewery at the Railyard where 262,964 gallons of potential savings was recognized. We did not look at the industrial side. Just the restaurant. One of the big ones was the Ice Cream Dipping Well. There the potential savings was 175,000 gallons a year. We have nothing targeted at that. The other thing we will work on is a set of auditors to audit the restaurants. We have to create a pool of auditors. We will bring all this back to the Committee.

Chair Romero Wirth asked is there a way to do it without hiring auditors.

Mr. Pushard said yes, we just need to give them the tools.

Mr. Coombe said in scale it looks like 10% of what the City uses.

Mr. Pushard said we also need training programs. Some of the stuff is simple stuff. It has to be part of what we do.

Mr. Coombe asked does the City really need three hundred restaurants for sustainability. There is a potential savings of 50 to 60 acre feet out of the 500 we need to find.

Mr. Pushard said a majority of our focus has been in the residential sector, but not much in the commercial sector.

Mr. Kirk asked what does that translate into for cost savings.

Mr. Pushard said he did not do that analysis. In the reports we tell them the ROI if they do these things. 20% of the restaurants had leaks as well. Those are not in these numbers.

Mr. Roth asked since we are constantly opening new restaurants what about code changes

Mr. Pushard said that is a very good question. He doesn't think we know enough to do that right now. Nor is there a model code for restaurants. The Alliance for Water Efficiency has written a code book for restaurants, but it is not even close to what we have done.

Mr. Roth said this ties back to greywater. Is there a potential source of gray water in a restaurant that could be used for landscaping.

Mr. Pushard said Restaurant Martin puts all the water from the table on the plants.

Mr. Bunton asked Glenn, do you have thirty more to step up to the plate.

Mr. Schiffbauer said he thinks so. We started with the locally owned restaurants. We can present them with an opportunity when we talk to chain restaurants. We are putting together our next step. We are hoping by next month we will have the plan and can review it at the Committee in November or December. The idea is to be enabled by calendar Qian Q2 next year.

Mr. Bunton asked should we start now to try to develop some of the incentives.

Mr. Pushard said yes.

Ms. Chavez said we will open that up to subcommittees.

Chair Romero-Wirth said thank you Glenn for coming.

ACTION ITEMS

10. COMMITTEE WORKPLAN

Chair Romero-Wirth said you have all seen this chart. What do you want to work on besides restaurants.

Mr. Pushard said on his list is the greywater program. We are still working on that and restaurants.

Mr. Coombe asked is there any level of ICI we should be going after.

Mr. Pushard said he thinks the next sector is going after hotels next fiscal year.

Ms. Chavez said we talked about schools, but we feel Lisa is doing such a good job we can do that outside of a program. Assisted living facilities are coming up.

Chair Romero-Wirth said we could do a review of our water restrictions, City water restrictions.

Mr. Pushard said that is Chapter 25. It has been on our list for years to work on the drought restriction guidelines we currently have because it would take a catastrophic event in multiple sectors for us to be able to ever implement what we have on our books. Stephen was very interested in that.

Chair Romero-Wirth said she is looking for how we get out in front of dealing with a shortage. It seems some portion of this Committee should be focused on that.

Mr. Pushard said GPCD historically drops due to events that have caused us to act. Having a plan on the shelf is much better so we can talk about the fact that we have a plan. He is a huge supporter of that as is Stephen.

Mr. Bunton said he is too.

Chair Romero-Wirth asked how do we message around shortage. We need to be clear with the public about the importance of what they do with water without being an alarmist and without undercutting the work of the staff and the forward thinking the City has done to be sure we have supply.

Mr. Roth said it goes back to saying do we need 300 restaurants. To him the message is if we want to have a vital home building community we have to have a stable water supply and that is because of forward thinking.

Chair Romero-Wirth said we have to stay out in front of it.

Mr. Roth said he has clients who are asking about this kind of stuff.

Chair Romero-Wirth said this Committee needs to work on the next layer of that thinking. What do we need to be doing next. She defers to the wisdom around the table as to how to do that.

Mr. Roth said through the entire residential and commercial environment. You are all in this. We need Community buy in.

Mr. Bunton said the community needs to understand that it is not about status quo or these changes, it is about not having water.

Mr. Roth said everybody needs to buy in.

Mr. Coombe said part of that is defining acceptable limits for consumption. We may not have much more room for residential. Growth at a certain level can continue. The restaurant stuff is helpful.

Ms. Chavez said one of the items that showed up on the list was domestic wells. We did find an opportunity within the department to look at a backflow Ordinance. She would like to work with some of the Committee on that. She is also working with Land Use and Engineering on it. We looked at what Rio Rancho is doing on this issue.

Mr. Coombe asked what do they do in Rio Rancho.

Ms. Chavez said they separated it from the backflow Ordinance. It is a big issue there. She is happy to develop that with a subcommittee and take it back to staff.

Mr. Roth asked has the City Attorney looked at their Ordinance.

Ms. Chavez said Jessie Guillen is looking at what they do. It has not gone through the Attorney's Office yet. It is being developed internally and is going through other departments that it effects. It will be a backflow and domestic well Ordinance. She will bring a draft back to the Committee.

Chair Romero-Wirth asked what about greywater.

Mr. Pushard said he is working on greywater and whoever wants to help is welcome. There are some items in the Sustainability Plan that we should work to see how we can address some of the things tasked to water. We should get ahead of that.

Chair Romero-Wirth said maybe we have a subcommittee to look at the Sustainability Plan pieces that relate to water and cross that over to our work plan.

Mr. Roth said we have the opportunity to put some of these ideas in place in the St. Michaels redevelopment corridor.

Chair Romero-Wirth said she is hearing that some individual things people want to move on and some subcommittee things.

Mr. Pushard said the restaurant program is individual, not a subcommittee. The well thing is also individual and not a subcommittee.

Chair Romero-Wirth said we have the Sustainability Plan, the St. Michaels corridor and drought restrictions for subcommittees.

Mr. Roth said he is thinking more about development initiatives in the building community that are a carrot and stick thing. Increase the density for higher performing residential units. He spoke to someone about that and they said they need the new multi-family building code in place.

Mr. Bunton said we could add that to a subcommittee. Metering.

Mr. Roth said that comes to play when using rain water and using less water.

Ms. Chavez said new construction requires metering now

Mr. Roth said Matt O'Rielly put in place a lot of incentives to get people to build at the Mid-Town Campus. None were targeting sustainable environment issues.

Chair Romero-Wirth asked are there other ideas. Does everyone see some place where they fit.

Mr. Pushard said we should do greywater and irrigation together.

Chair Romero-Wirth asked as a subcommittee.

Mr. Pushard said yes.

Chair Romero-Wirth said so we have greywater/irrigation, initiatives in the building community, drought restriction guidelines and the Sustainability Plan. Is that too much.

Mr. Michael asked is the work with the City/County meeting going to come to play here.

Chair Romero-Wirth said she is not sure where that is going. It is more to build common sense of where we are and what our goals are as a region and where the opportunities are to be working together. One of the next meetings we have could be around conservation and things we could work on together on.

Mr. Kirk said he was at the meeting last week with the County Water Advisory Committee. Commissioner Hamilton is the Chair of that group. We had a very interesting and positive discussion about the meeting coming up next week. He thinks you will find individuals on that Committee are ready and able to engage on a host of topics including potential regionalization. He left encouraged. He would like to be on the drought subcommittee.

Chair Romero-Wirth said it may lead to some subcommittee work. Let's let it play out a bit.

Mr. Bunton said we had talked at one point about developing a long range plan. Would that be a candidate for a subcommittee.

Chair Romero-Wirth said she likes that one, but given what we heard from Bill, staff is already kind of doing that.

Ms. Chavez said there was a grant that was going to cover that work that we did not get. It is stalled right now. There is no funding for it right now, but we do have our 5 year plan that we are working on. We could try to tie into a longer plan if that is what the Committee wants.

Chair Romero-Wirth asked what is the 5 year plan timeline.

Ms. Chavez said we developed a 5 year RBI goal. The plan is due in 2020. We are trying to get it done in the fall of 2019.

Ms. Randall said a year from now.

Ms. Chavez said she thinks this Committee can handle it.

Mr. Michael said a long range plan is interesting, but he feels like right now we have some other interesting things we can deal with along with the Sustainability Plan. He does not think the time is right for us to try to add value to that.

Chair Romero-Wirth said the drought, restaurant guidelines, the Sustainability Plan, initiatives in the building community, greywater and irrigation need subcommittees.

Ms. Chavez said we can try to build this off our fiscal year budget and send it out and see who is interested. She does not know if we can do it all at once. The Sustainability Plan work needs to start soon. We can sit down and chart it out. She would not be able to support all these at once.

Chair Romero-Wirth said we have four ideas and Christine will flesh those out.

Ms. Chavez said she will reach out and see who wants to participate where.

11. WATER CONSERVATION COMMITTEE APPOINTMENTS

Ms. Chavez said we had a subcommittee meeting and interviewed the two candidates in the room.

The candidates left the room.

Mr. Pushard said the subcommittee's opinion was to approve both of them. One brings some landscaping experience, Dave, and Steve has a view of working on the supply side issues and that is where his passion is and having his voice at the table would be good.

Mr. Roth said the other thing about Dave is he is a planner and has worked with water budgets.

Mr. Pushard said we have two openings and the subcommittee recommends that we approve both.

Chair Romero-Wirth handed out ballots and asked that the Committees indicate if they approve both recommendations, one recommendation or no recommendations.

Chair Romero-Wirth reported the ballots show it is unanimous for both.

Chair Romero-Wirth said the process is that the Committee agreed that both candidates would be an asset to this Committee's work. Our recommendation goes to the Mayor and his recommendation goes to the Council for approval.

MOTION A motion was made by Mr. Pushard, seconded by Ms. Randall, to recommend David Carlson and Stephen Schmelling to the Mayor for appointment to the Water Conservation Committee.

VOTE The motion passed unanimously by voice vote.

Ms. Chavez said she will draft a letter of recommendation to the Mayor.

Chair Romero-Wirth asked Ms. Chavez to send her the resumes of the two gentleman and she will meet with the Mayor tomorrow.

Chair Romero-Wirth said they are welcome to attend our meetings and weigh in.

12. MATTERS FROM THE PUBLIC

Mr. Otto reported that a river cleanup event will be held on Saturday, October 20th, from 10:00 am to 12:00 noon at Alto Park.

13. MATTERS FROM STAFF

There was discussion around the next meeting date as the date is November 20th and is the week of Thanksgiving. It was decided that the meeting will be changes to November 13th at the same time.

Ms. Chavez said she would work on that.

14. MATTERS FROM THE COMMITTEE

Mr. Bunton asked how are you coming on recruitment.

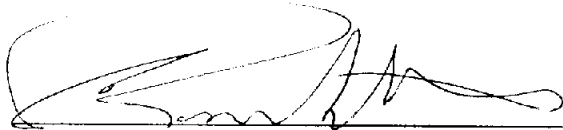
Ms. Chavez said she is doing interviews for Karyn's position on Friday. Andrew Erdman applied as

well as Robert Wood and Samuel La Bar and Eugene Doyle.

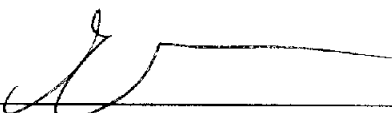
**15. NEXT MEETING
NOVEMBER 13, 2018**

16. ADJOURN

There being no further business before the Committee the meeting adjourned at 6:03 pm.



Councilor Carol Romero-Wirth, Chair



Elizabeth Martin, Stenographer



Sustainability Plan

October 10, 2018

Beth Beloff, Chair- Sustainable Santa Fe Commission

Shirlene Sitton, Environmental Services Director

Conor Merrigan, Brendle Group



Sustainable Santa Fe
25-Year Plan

Adopted Month Year



Plan Need & Purpose

- **Changing climate and community**
- Need to **preserve and care** for our land and water
- Responsibility for **future generations**
- Requires **courage to change** the way we think and act
- Have systems and knowledge to **embrace sustainability**
- Plan as **pragmatic path** to guide Santa Fe forward
- Within reach to be **most sustainable city in America**

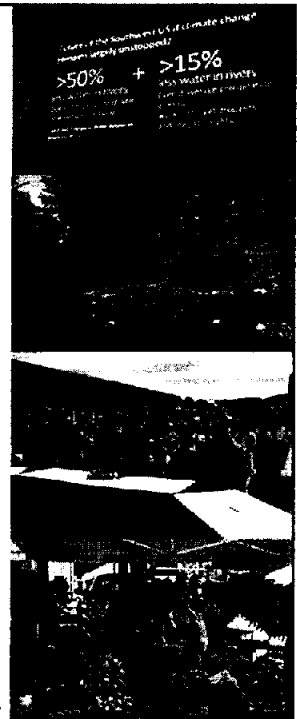


Photo Credit: Seth Roffman

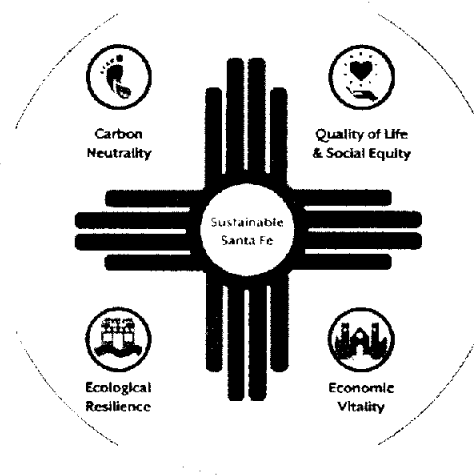
Planning Approach

- **Leading by Example**
- **Employing a Regional Perspective**
- **Leveraging Existing Efforts and Best Practices**
 - Internally and Externally
- **Integrating Triple-Bottom-Line Considerations**
 - Holistic, integrative, cross-departmental problem solving
- **Engaging the Community**
 - Working groups
 - Community Conversations

Vision and Guiding Principles

Santa Fe's Sustainability Vision

We envision a thriving community where climate impacts are neutralized, natural resources are abundant and clean, and sustainable economic activity is generated through enhancing social equity and the regenerative capacity of the environment.



Plan Organization Planning Objectives

- Reduce **Climate Impacts** through GHG reductions and adaptation by 2040
- Enhance **Environmental Resilience** through better management of natural resources
- Improve **Economic Vitality** through rethinking of infrastructure development and other drivers of economic development
- **Enhance Quality of Life** through embedding social equity and access to factors for success for all.

Plan Goals

Ecological Resilience

Ensure environmental resilience to climate change and other impacts of human development through carbon neutrality planning and environmental protection and restoration.

Economic Vitality

Ensure economic vitality through sustainable economic growth and a diverse and innovative economy with 21st century infrastructure.

Social Equity and Well-Being

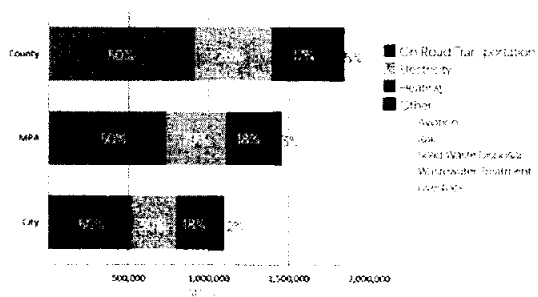
Improve Santa Feans' quality of life and ensure equitable access to quality education, job training, healthy food, transportation, and general well-being.

Carbon Neutrality

Achieve carbon neutrality by 2040

Carbon Neutrality Considerations

- **Goal:** Achieve carbon neutrality by 2040
- **GHG Inventory:** Scope 3 supply chain issues not included

















Elements and Working Groups



Climate

Plan Outline

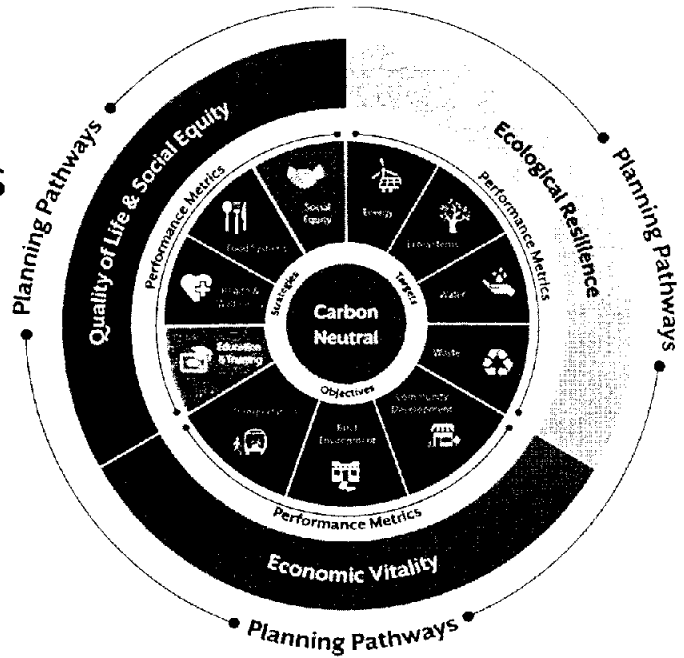
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Plan Framework

Framework Graphic

- TBL Planning Pathways
 - Elements
 - Objectives
 - Targets
 - Strategies



Elements by Planning Pathway



Strategies

Strategy Name	
What	A brief description of what the strategy entails
How	Specific tactics and/or steps to complete the strategy
Who	Lead Responsible entities)
	Support Supporting departments, groups, and organizations
Resources	Available Resources Funding, staffing, or other resources already available and committed
	Needs Funding Funding, staffing, or other resources needed
Carbon	Where applicable, strategies have estimated annual carbon emissions reduction impacts quantified or enabling metrics provided to assist in future quantification
Timeline	Immediate These are strategies that, for the most part, are already underway or are expected to begin within the next two years.
	Near-term This includes strategies that are highly desired and have some existing momentum to build on such that they are priorities within the next three to five years
	Long-term These are strategies that likely need additional development to implement, and are expected to be implemented more than five years from now

Objectives & Targets

Carbon Neutrality

- The City has a goal of reaching net-zero carbon neutrality by 2050
- Achieve 100% renewable energy by 2050
- Reduce net emissions
- Transition to 100% EV and clean-burning fuels

Ecological Resilience

- Reduce a community's ecological footprint and/or emissions to protect the resources needed to sustain the water, air, and soil and carbon resource services
- Reduce community electricity and natural gas consumption by one percent per year, representing a total ton of carbon equivalent (TCE) of electricity and 65,000 pounds of natural gas annually
- Reduce and increase participation in community renewable energy programs, including on-site solar installations and community solar projects
- Reduce electric consumption annually with energy efficiency at city facilities
- Increase use of renewable energy at city facilities
- Ensure that subject to solar electric vehicle charging stations are located with 10 miles of city parking lots

Ecosystems

- Improve the ecological resilience of Santa Fe by restoring native riparian, upland, and wetland and ensuring that water management, land use, and resource management decisions, including urban development
- Clarify the jurisdiction of riparian resources in Santa Fe and develop appropriate response plan
- Expand the geographic, geographic, and natural resource jurisdiction of the community
- Implement a system of riparian stewardship with farm plans and water and natural carbon-pool protection

Water

- Take immediate action to improve long-term planning, regulatory planning and project approvals to ensure implementation and reduce the water approach, expanding water demand and supply
- Continue to work with the water provider to ensure that water is available to all consumers by 2050
- Increase the use of recycled water to meet city objectives
- Increase the number of residential and commercial greywater systems
- Take action to improve water quality and water conservation and recycling
- Increase the number of public and private use of rainwater and other water-use projects

Waste

- Reduce the consumption of natural resources through a Sustainable Materials Management approach including programs and policies that encourage all factories, manufacturers, retailers, and consumers to act consistently to reduce, reuse, and recycle
- Reduce the use of plastics by recycling for residents and customers everywhere in Santa Fe at home, at work, and on the go
- Increase the use of regular maintenance and repair programs for city vehicles
- Increase the number of recycling programs and expand these programs to include policies that allow for 50% more recycling participation at city offices and at all events on city properties
- Increase the use of green building practices and 100% recycled content materials in all construction projects by 2050

Economic Vitality

- Attract long-term sustainable economic growth and expanded local investment by developing a diverse, inclusive economy with high-wage, high-impact jobs, complete jobs, and living wages that create community resilience
- Support and moderate business licensing and permitting processes
- Increase the number of local businesses that employ workers in the local economy
- Increase the number of local businesses that employ workers in the local economy
- Increase the number of local businesses that employ workers in the local economy

Build Environment

- Reduce building and land use practices that contribute to the use of natural resources and result in carbon and energy emissions for the community
- Reduce the number of building energy audits and energy audits per year for new buildings to meet the 2050 Challenge of net-zero greenhouse gas emissions
- Increase the number of building energy audits and energy audits per year for new buildings to meet the 2050 Challenge of net-zero greenhouse gas emissions
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Transportation

- Reduce the number of single-occupant vehicles on the road and increase the number of people using alternative modes of transportation
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Quality of Life & Social Equity

- Improve the quality of life and social equity for all residents by increasing the number of people using alternative modes of transportation and increasing the number of people using alternative modes of transportation
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Health & Wellness

- Improve the health and wellness of the community by increasing the number of people using alternative modes of transportation and increasing the number of people using alternative modes of transportation
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Food Systems

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Energy

- Improve the energy system of the community by increasing the number of people using alternative modes of transportation and increasing the number of people using alternative modes of transportation
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Water Issues

- Future projections of water supply and demand
- Regional perspectives
- Embodied water / energy-water nexus
- Watershed / Ecosystems protection
- Future demand, declining supply
 - Social equity
 - Limits to growth
- One Water Approach: Integrated thinking about the value of all water
 - Drinking water, wastewater, storm water, rainwater.....

Water Objective and Targets

Utilize innovative technologies, long range planning, regional planning and proactive approaches to ensure an integrated and resilient One Water approach, optimizing water demand and supply.

- Continue to see a year over year weather normalized decrease in total potable water consumed by all sectors.
- Increase the use of reclaimed water for municipal operations.
- Increase the number of residential and commercial graywater systems.
- Create at least two neighborhood-scale water conservation projects and programs.
- Increase the number of public and private use of raingarden and other infiltration projects.

Water Strategies

WA1: Optimize management of reclaimed water

Leverage reclaimed wastewater to increase the resiliency of Santa Fe's water supply. Currently, about 70 percent of the total water produced for Santa Fe Water customers is returned to the City's wastewater treatment facility yet only 30 percent of total reclaimed water is used. Regardless of the impacts of climate change and drought, some portion of the water produced for City residents will always be available from this source, making it extremely resilient.

WA2: Enhance groundwater modeling and monitoring*

Declines in surface water accumulation are anticipated to increase reliance on groundwater. Manage groundwater as an important resource to be maintained for future increases in demand or reductions in water supply. Emphasize groundwater monitoring and more detailed modeling and studying of local geology to evaluate aquifer recharge and contaminant transport.

WA3: Use triple bottom line criteria for water utility decision making^

Increase utilization of multi-priority evaluation criteria, such as the triple bottom line, to inform decision making.

WA4: Evaluate water pricing structures

Continue to evaluate pricing strategies to ensure adequate funding, water accessibility, and conservation.

WA5: Expand water conservation program*

Santa Fe has a robust water conservation program that includes rebates and incentives, leak detection, outreach, and enforcement. Continue to support and enhance the City of Santa Fe's water conservation program.

WA6: Continue water system education and outreach

Continue to provide robust education and outreach about Santa Fe's water system and conservation opportunities. Continue to encourage use of the EyeOnWater application to help customers monitor their daily water use.

Water Strategies

WA7: Enhanced leak detection

Utilize and educate on the most effective and available water monitoring and leak detection methods.

WA8: Increase on-site water harvesting, recycling, reuse, and ground infiltration*

Reduce pressure on the water supply by supporting on-site techniques to recycle and reuse water. Increase focus on storm water catchment for local use, recycling of grey and black water from sinks and showers for appropriate applications, and infiltration of stormwater by keeping water from moving off site.

WA9: Showcase water efficiency retrofits at City facilities*

Utilize the latest water conserving technologies at City of Santa Fe facilities to demonstrate leading edge practices for the community to follow, to reduce water consumption, and enhance water quality.

WA10: Establish a scoop-the-poop campaign

Raise awareness around water quality issues associated with pet waste through a "scoop-the-poop" campaign.

WA11: Develop a Drought Preparedness Plan*

Prepare for long term drought from climate change as the "new normal" as described, and in addition to, the Santa Fe Basin Study. Establish stricter water conservation ordinances in the event of prolonged drought to protect groundwater resources.

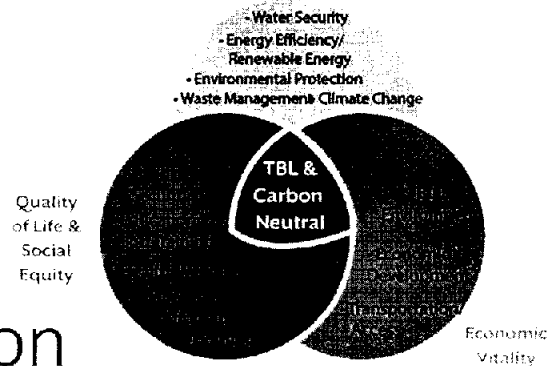
Also see the Built Environment element for strategies related to water use in buildings.

For more information about strategies see Appendix A, Strategy Implementation Details. Strategies with an asterisk (*) following the title are closely

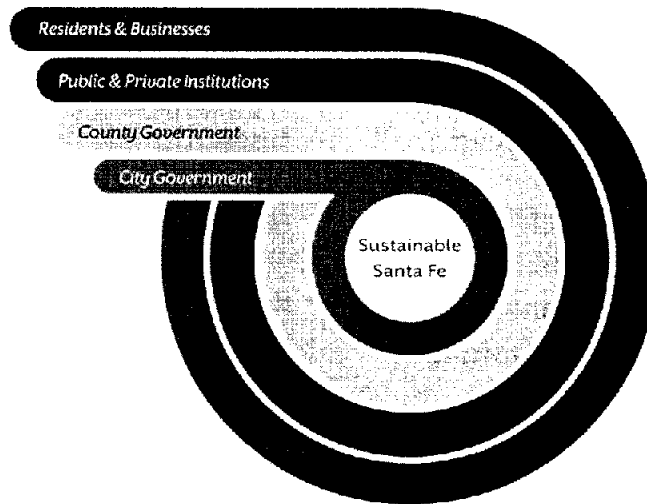
Priority Recommendations

- Ensuring City government accountability, **leadership** and advocacy
- Coordinating **education and outreach**
- Maximizing **energy efficiency**
- Accelerating **renewable energy**
- Maximizing **water conservation**
- Encouraging more **sustainable development**
- Increasing options for **affordable and workforce housing**
- Transforming the **transportation system**
- Enhancing resiliency and **regeneration of natural systems** and processes
- Reinvesting in the **local economy**
- Empowering the **next generation**

Plan Implementation



Path Forward: We cannot do it alone



A Living Plan

- **Sustainability Organization in City Government**
- **Performance metrics and monitoring**
- **Implementation monitoring – tracking progress**
- **Communications and Reporting**
 - Report to Governing Body
 - Website development – interactive
 - Outreach programs
- **Community Conversations / Engagement**
- **Adjustment and refinement of Plan**

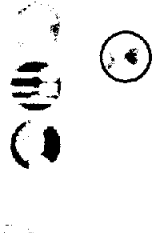
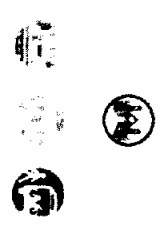
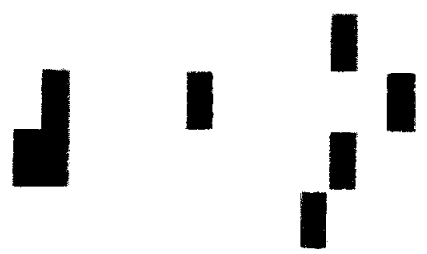


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