

**SA CLIMATE READY STEERING COMMITTEE
AUGUST 14, 2019
SAWS COMMUNITY ROOM
5:30 – 7:30 P.M.**

MEETING NOTES

COMMITTEE MEMBERS IN ATTENDANCE:

- Anita Ledbetter
- Belarmino A. Castellanos
- Bo Gilbert
- DeeDee Belmares
- Diane M. Duesterhoeft
- Dr. Carlos A. Garcia
- Dr. Olufemi Osidele
- Gregory Harman
- Jeffrey Arndt
- Jessica O. Guerrero
- Kristi G. Villanueva
- Matt Cox
- Mike Frisbie
- Peter Bella
- Sara Beesley
- Stephen Graham
- Trey Dawson

WELCOME- COUNCIL MEMBER ANA SANDOVAL

Council Member Sandoval thanked everyone for their participation in the process and announced there would not be any streaming of the meeting proceedings. She explained that changes to the plan were not intended to water it down, but it was only to remove some of the specifics that may have made it difficult to be accepted by City Council. She also announced she is seriously looking at getting involved with PACE.

The recording of the meeting was designated as not for the public, but only as a mechanism for the facilitator to produce accurate meeting notes.

The co-chairs, Ofemi Osidele and Anita Ledbetter each commented on the opportunity to work with this group and explore the diverse set of opinions in the group. They indicated that this is only the beginning and the real work will occur once the details begin to be included as the plan moves forward.

SETTING THE STAGE – LINDA XIMENES – FACILITATOR, XIMENES & ASSOCIATES, INC.

Ms. Ximenes reviewed the outcomes and agenda for the meeting and asked the group members to state what they hoped to accomplish with this meeting.

Expectations of the Group for this Meeting:

- ID things we agree to and not discuss those a lot and spend time on the areas of concern.
- Understand the changes.
- Have a direct dialogue on assumptions of carbon reduction – sector by sector.
- Identify specific concerns and how they can be addressed and if not in plan, what needs to occur.

- Want to be sure that consensus or not, is captured in plan for decision-makers to have that information.
- Be clear on role of Steering Committee and Technical Working Groups moving forward into implementation.

Operating Guidelines

- Listen to understand.
- Ask your question.
- Share the air time.
- Agree to disagree if you can't come to an agreement.
- Silence your cell phone.

All agreed to follow the operating guidelines as listed above.

Ms. Ximenes explained that this dialogue process provides the opportunity to listen to each other rather than defending a position and expressing your opinion about an issue if you have one. All were encouraged to let the group know if they have a concern since the intent is to talk together about the issues. There will not be enough time tonight to get to consensus on all the issues, so if there is not agreement, the concerns will be noted on the chart paper and become part of the meeting notes.

PRESENTATION ON THE CHANGES TO THE CAAP DOCUMENT – DOUG MELNICK, COSA

Mr. Melnick reviewed the changes to the document and explained the timeline for consideration and adoption of the plan. (See attached PowerPoint slides for more information.)

RECOMMENDATIONS OF THE TECHNICAL WORKING GROUPS (TWGs) FROM THEIR MEETING ON AUGUST 12, 2019 – LINDA XIMENES

Ms. Ximenes reviewed the recommendations agreed upon by each of the five Technical Working Groups. (See attached PowerPoint presentation for more information.)

CLARIFYING QUESTIONS

- The Energy and Building TWG had many more items than are indicated on the diagram in the slide presentation. Will that information be made available? Ms. Ximenes responded that they had a lot of concerns, but there was not necessarily a lot of agreement. [The TWG meeting notes that will include all the notes from this group's discussion will be made available next week.]
- Do we need to see which of these we agree with or is the City going to take these into consideration? Ms. Ximenes asked that they keep the TWGs' areas of concern and agreement in mind as they review their own concerns in the dialogue that is coming next. Then the items can be considered from the TWGs as well as the Steering Committee.
- Did the TWGs focus on the plan or only on the changes? Ms. Ximenes and Ms. Ledbetter responded that they looked at both aspects. Ms. Ximenes explained that they were asked to identify where the group had a general agreement with the contents of the

current document. Then they would list their concerns and talk about each one to explore how they might adjust it so there was general agreement on the change.

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COMING TO AN AGREEMENT – WHOLE GROUP DIALOGUE

The group agreed that the Adaptation segment is adequate and there is disagreement on the mitigation strategies, so we will focus on the mitigation strategies for this meeting.

Ms. Ximenes pointed out that if no concerns are expressed about an item, it is assumed there is consensus on that item, so please speak up if you have a concern. If a concern is expressed, that concern will be discussed until it is resolved. Due to the time constraints, those issues that can't be reasonably resolved with a short discussion, it will be identified as "unresolved" or "tabled for further discussion."

She asked the group to identify concerns and then go back and consider each concern individually.

Concerns and how they should be addressed:

1. Clarify the differences between the information in the appendices and what is in the body of the document. The City will reconcile the differences.¹ *The appendix being larger than the contents of the plan is okay. The plan should be concise.*
2. Interim targets for carbon reduction – propose to return to 100% by 2050 as in the first draft: bullet #1-and Strategies Implementation Matrix for bullet #1 with strategy reductions instead of sectoral targets.
 - NDRC, study shows expectation nationally for reduction for transportation is much lower. The real way to achieve early rapid reduction by 2050 is with stationary sources like CPS Energy generation (SPRUCE and have 2025 with no coal as a goal). It's impossible by 2030 to get 47% of transportation reduction. It is covering up the transformation of the energy matrix.
 - Rather than percentage sectoral targets, use strategies like in mitigation.
 - Revisit assumptions that went into the numbers or move to strategy to move off of coal by 2025.
 - Without knowing what can be achieved by the different strategies, it is hard to know how percentages can be achieved.
 - Not technically feasible to say 100% renewable energy. Batteries are not renewable and there is nuclear. Need a blend of technologies for reliability issues. Just bringing it up for consideration. Won't be 100% wind, solar or geothermal; it will need to be a combination of technologies.
 - IPCC study indicated global transition to 100% renewables was possible without using nuclear.
 - Conduct a study quickly to explore what is feasible to be able to know what the possibilities are.

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¹ Text of the concern is in regular type and the agreed-upon resolution is indicated in italics. Points of discussion are indicated as subsets of each of the items of concern. The agreements to the changes indicated in italics were by the Steering Committee members present and were to be submitted to the Office of Sustainability as recommendations for incorporation into the draft that will be presented to City Council.

- Metric is 2050 carbon neutral as in Paris Agreement.
 - Support the goal, but do not want to say specifically how to do it,
 - Recognize technologies that are not currently available as it is addressed in the plan already, but not in bullet #1.
 - Previous language for bullet #3 is better than the current language because CPS Energy does not share its energy generation decisions.
 - No coal by 2025 was not in the original plan.
 - Sector reductions need to include strategy reductions (specific solutions).
 - CPS coal plants issue to not decommission plants by 2025 target
 - **Send comments from CPS regarding 2025 target to the Steering Committee.²**
 - **Place this in items for future additional discussion – did not reach agreement on it.**
 - Include the elements of this discussion in the plan for future reference,
 - The discussion in the future should be with this group since they are so well-versed with the issues
 - CPS Energy should have a representative who can speak to the Steering Committee’s concerns and need for information.
3. Community Mitigation #4 (“Commercial and Multifamily Benchmarking and Disclosure Ordinance”): the benchmarking is okay. The ordinance part as well as the disclosure part are a concern for businesses because it could be used to shame some and the information may involve trade secrets. *Make the disclosure voluntary and incentivize compliance.*
- Issues of disclosure could impact real estate values.
 - Disagree- need to know how businesses are doing – okay getting “ordinance” removed.
 - “Voluntary” disclosure vs. “incentivize”
 - Current best practice in other cities- this plan needs to determine the process.
 - Leave it as is and let the City Council decide.
4. Community Mitigation #5 (“Commercial and Residential Energy and Water Rating System”): Concern is with privacy. What is the pilot study? The intent is to do a long-term study and it is explained better in the appendix. Bo Gilbert (USAA) to work with the City on this.
5. Community Mitigation #15 (“Residential Waste Reduction”) and #18 (“Reduced Landfill Construction”): zero waste is very ambitious – more aspirational. *Agreed to leave as is – aspirational – **but need to reconcile plan content with appendix content.***
6. Community Mitigation # 9 (“Cleaner and More Efficient Vehicle Technologies”) changing to “cleaner” vehicles is vague and not doable: *change to read, “... transition to clean and more efficient vehicle technologies... to reach 100% carbon neutral by 2050.”*
- Originally tied to electrification, but other strategies may accomplish the same goal.
 - Change to the original “carbon-free.”
 - Some stakeholders were concerned about “carbon-free” and wanted more flexible language.

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² Text in bold letters that are not the title of an agenda item are action items that need to be followed up.

- If the goal is “carbon-neutral,” this is not a sole solution, only an option.
 - Could say “clean and more efficient.”
 - Auto industry will lead on this.
 - Ambitious is fine and want to see more of it.
7. Community Mitigation #1 (“Reduce the Carbon Intensity of San Antonio’s Energy Supply”): the concern is about putting “Flexible Path” as a way to get to carbon zero. *This issue was tabled for later discussion.*
8. Municipal Goals should be viewed differently from the Community Goals: the City should lead by example. They should be the same or more aggressive. *This was agreed upon by the Steering Committee.*
9. Community Mitigation #19-21 (“Promote Biodiversity and Healthy Ecosystems”) does not have any strategies about biodiversity and healthy ecosystem strategies need to be added. Office of Sustainability staff has revised language to be more descriptive, included in the 2nd CAAP Draft.
10. Community Mitigation #12 (“Sustainable Land Planning and Development”): want to add “incentivize” so the statement reads “Support and incentivize the development and redevelopment...”³ *Group agreed this was acceptable – there were no concerns expressed.*
11. ~~Community Mitigation #23 (“SA Tomorrow Plans”): The municipal goals should to SA tomorrow.~~ Currently, they are only in the Community Mitigation section. *There were no concerns with doing this.*
12. Community Mitigation #24 (“Business Incentives”): requested clarity about the incentives.
- Add “positive.” Discussion was that “incentives” implies positive action, not punitive action.
 - They should not be limited to financial incentives.
13. Carbon reduction graph (p. 32): the stationary emissions are too low for 2030 and the transportation ones are too high. This issue was tabled for a later discussion as indicated with item #2 of this list.
14. Would like for the updates to be every 1-3 years instead of every 3-5 years. Updates every 3-5 years, or sooner, as identified by the annual review.
- The annual assessment by COSA will include science and technology. Rapid changes in the science or technology may require more frequent updates. Staff will clarify language to indicate this.
 - Includes staff, committee or City Council Member asking proactively for an update of the plan.
15. Equity index needs to be used; should not be an afterthought. *There were no concerns with this item, so agreement was reached.*
16. Concern about how the intergovernmental interaction in this plan will be integrated throughout the bureaucracy.
- Suggestion was to ask the City Manager to explore how the plan could be integrated into the departments as a value by using incentives.
 - Governance section is about ensuring the plan is integrated in COSA structure and working with partners to coordinate efforts.

³ Concerns # 10 was listed as such to maintain the sequence of mitigation strategies in the notes. It was presented later in the meeting.

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Moved down [2]: <#>Would like for the updates to be every 1-3 years instead of every 3-5 years. Updates every 3-5 years, or sooner, as identified by the annual review.¶
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<#>Suggestion was to ask the City Manager to explore how the plan could be integrated into the departments as a value by using incentives.¶
<#>Governance section is about ensuring the plan is integrated in COSA structure and working with partners to coordinate efforts.¶
<#>REAP listed strategies need more intergovernmental coordination, contribution and recognition. Includes SAWS’s similar program.¶

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- Incentivize adoption of the plan by department. Maybe in the Municipal part.
- Perhaps include it in the Governance section to show how it could be integrated.
- REAP listed strategies need more intergovernmental coordination, contribution and recognition. Includes SAWS's similar program (Project Agua).

Other comments:

- There will be no information on funding in the plan at this time.
- Ordinances, statutes related to areas of possibility/opportunities for changing behaviors are in new buildings. Grandfathering makes this more difficult. We need to incentivize changes and keep things in perspective.
- Need to include a timeline that acknowledges that not all can convert as soon as some who have more resources. Need appropriate tools to assist retrofitting.
- This group needs to reconvene to discuss CPS Energy and auto industry concerns.

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WRAP-UP AND NEXT STEPS – LINDA XIMENES

- The meeting notes will be submitted early next week to the Sustainability Department.
- The staff will work through the rest of the comments from the TWG and see if they are manageable and start making those changes.

Council Member Sandoval thanked the facilitators and noted they would continue to think of ways to keep the communication lines open. She asked that anyone with ideas about this to pass them on to the staff or to her.

The meeting adjourned at 8:00 p.m.

Please see the next page for the PowerPoint presentation.

DRAFT



SA Climate Ready
Steering Committee Meeting

August 14, 2019

Draft Update Objectives

- Refine the plan to reflect continued stakeholder engagement.
- Ensure the plan is consistent with meeting the objectives of City Council's June 22, 2017 resolution in support of the Paris Climate Agreement.
- Retain all strategies that were identified in the initial draft.
- Improve readability by condensing, streamlining and rearranging content.
- Adjust language and images to make the document more San Antonio specific.
- Provide a clear process for reporting, updates, and implementation.
- Deliver an updated draft that considers the diversity of input from across sectors and serves as a solid foundation for climate action.
- Deliver a plan to City Council that can be adopted.



Additional Framing Language

Implementation will rely on overcoming these potential challenges:

- **Technology:** While many current technologies can aid in the implementation of the strategies in this plan, proven technological solutions may not yet be available to meet long-term GHG reduction goals.
- **Cost:** The transition to a Climate Ready San Antonio means transforming our energy, building, and transportation sectors. As part of this transition, new policies, programs, and technologies will be required, many of which will result in associated costs. Financial modeling to support emissions reductions requires a transition to a lifecycle cost model that considers potential risks and benefits. Not only is this modeling more complicated, in many cases good data does not yet exist.
- **Consumer Options & Behavioral Change:** Humans are creatures of habit, and transitioning to new ways of traveling, buying, and acting can take time. Responding to climate change will require a change in human behavior: a reduction in consumption and a reprioritization of decision making.

Additional Framing Language

A Track Record of Investments

Build San Antonio Green

- Over 7,800 building projects including single-family homes, multifamily, mixed-use, and commercial projects have been certified green since 2001.

Edwards Aquifer Protection Program

- \$247 million committed to the protection of 156,475 acres of land over the aquifer's contributing and recharge zone since 2000.

Flood Control Projects

- A combined total of over \$2 billion in drainage infrastructure projects has been invested by the City of San Antonio and Bexar County since 2010.

Howard W. Peak Greenway

- \$190 million committed since 2000.

Save for Tomorrow Energy Plan (STEP)

- It is expected that San Antonio will reduce its electric demand by more than 800 MW, at an estimated final cost of \$719 million which is 15% less than originally forecasted.

Water Conservation

- \$162 million invested in residential and commercial conservation programs by the San Antonio Water System between 1992 and 2018.

The Cost of Doing Nothing

1. Increased Health Risks from Heat Exposure: Across the Southern Plains (Texas, Oklahoma, and Nebraska), and under a high emissions scenario, lost wages and premature deaths will result in economic impacts of \$28 billion and \$19 billion per year respectively by 2090.

4. Impact on Infrastructure: Projected climate impacts to infrastructure in the Southern Plains, such as rail and urban drainage, are among the highest of all regions. Increases in electricity costs to meet projected increases in demand in the Southern Plains are high, rising from \$0.57 billion per year in 2050 to \$1.7 billion per year by 2090 under high emissions scenarios.

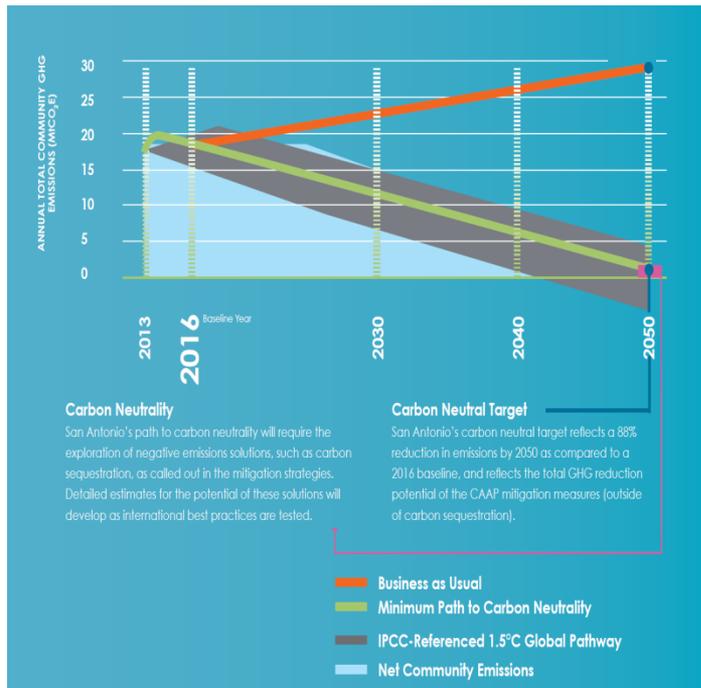
A Documented Call to Action

- THREATS TO THE INSURANCE MARKET
- THREATS TO THE U.S. ECONOMY
- THREATS TO PUBLIC HEALTH
- THREATS TO NATIONAL SECURITY
- THREATS TO BOND RATINGS
- THREAT TO WORLD HERITAGE SITES

Greenhouse Gas Inventory & Pathway

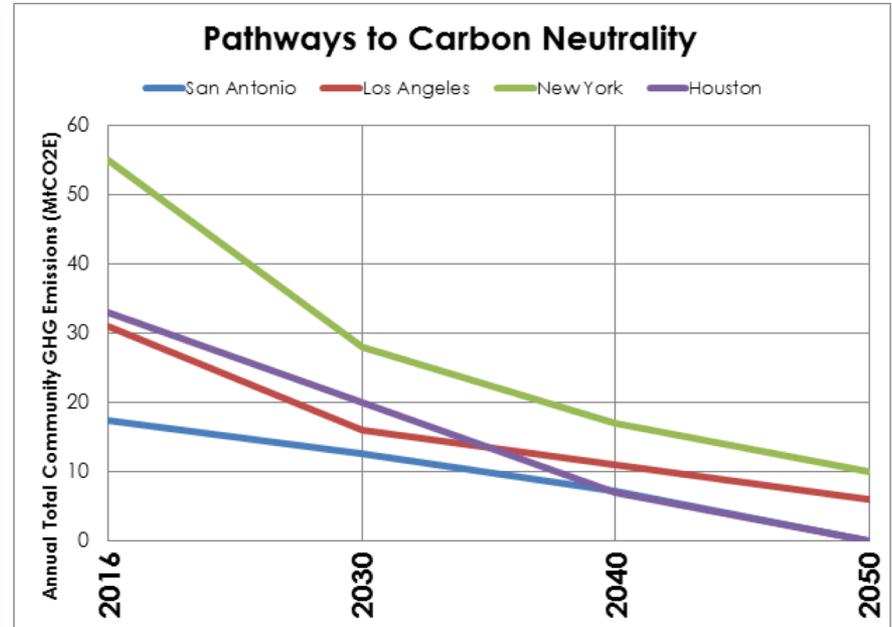
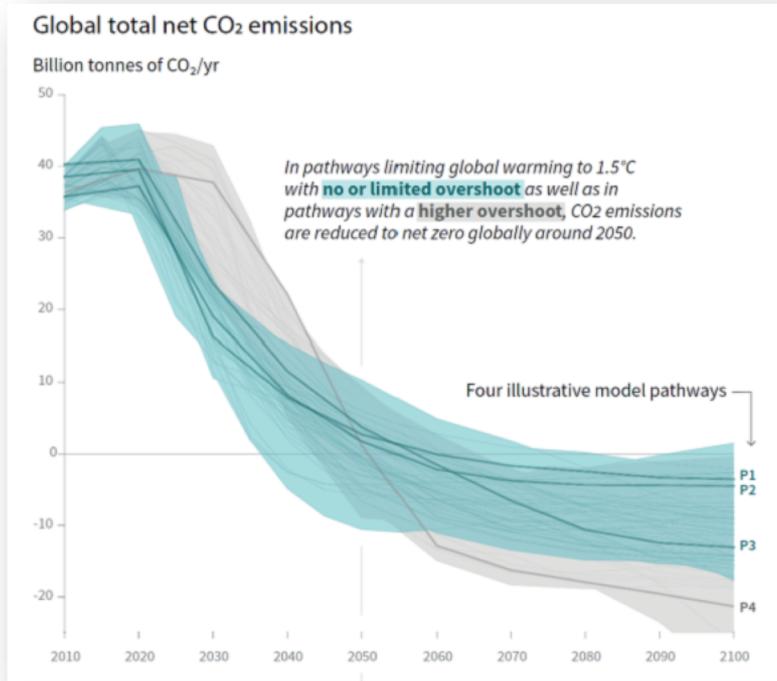
INTERIM GHG REDUCTION TARGETS	2030	2040	2050
Total Emissions: percent reduction over 2016 GHG emissions	41%	71%	100%

INTERIM GHG REDUCTION TARGETS	2030	2040
Stationary emissions	41%	74%
Transportation emissions	47%	75%
Solid waste emissions	32%	54%
Water supply emissions	<1%	<1%
Industrial process emissions	23%	56%



In 2018 the Intergovernmental Panel on Climate Change (IPCC) released the "Special Report: Global Warming of 1.5°C" that states "For reduction pathways that are technically feasible currently, i.e. include no or limited overshoot of 1.5°C, "global anthropogenic CO₂ emissions need to decline by about 45% from 2010 levels by 2030, reaching net zero around 2050."

SA Climate Ready and IPCC



City and Baseline Year	2020	2025	2030	2035	2040	2050
Denver - 2005	15%	30%	45%	55%	65%	80%
Houston - 2014			40%		75%	100%
Los Angeles - 2015		50%		73%		100%
New York - 2005	no interim reduction targets determined					80%
San Antonio - 2016			41%		71%	100%
San Diego - 2010	24%		41%	51%		
Vancouver - 2007	33%		50%			at least 80%

Mitigation Framework Edits

Removed:

Investments

- C** City Investment
- R** Resident Investment
- B** Business Investment
- \$\$\$** Greater than \$1 billion investment through 2030
- \$\$** \$100 million to \$1 billion investment through 2030
- \$** Less than \$100 million investment through 2030

Added:

Constraints

- A** Awareness
- BC** Behavior Change
- I** Investment
- P** Policy
- T** Technology

In Current City Plan

- Y** Yes

- Strategy 1: REDUCE THE CARBON INTENSITY OF SAN ANTONIO'S ENERGY SUPPLY
- Strategy 3: FUEL SWITCHING
- Strategy 4: COMMERCIAL & MULTIFAMILY BENCHMARKING ORDINANCE
- Strategy 5: COMMERCIAL & RESIDENTIAL ENERGY & WATER RATING SYSTEM
- Strategy 6: ZERO NET ENERGY BUILDING CODE
- Strategy 7: ENERGY EFFICIENCY PROGRAMS
- Strategy 8: REDUCE WATER CONSUMPTION
- Strategy 9: CLEANER & MORE EFFICIENT VEHICLE TECHNOLOGIES
- Strategy 14: COMMERCIAL WASTE REDUCTION
- Strategy 15: RESIDENTIAL WASTE REDUCTION
- Strategy 18: REDUCED LANDFILL CONSTRUCTION

- Clarified language
- Increased flexibility to allow for advances in technology
- Removed specific strategy targets
 - Only a few strategies had specific targets
 - Included sector-based targets
 - CAAP will be updated every 3 to 5 years

Implementation Edits

Implementation criteria will include the following analysis based upon applicability, strategy type, and data availability:

- **Strategy Costs:**
Potential fiscal costs by sector; Co-benefits; Cost avoidance; Cost per ton of CO₂e reduction; Funding mechanisms, if needed.
- **Technological Feasibility:** Consideration of proposed technology or strategy against technological constraints; Assessment of the carbon footprint or lifecycle emissions of specific technologies being proposed compared to other options; Reliability or proposed technology to meet expected performance.
- **Timeline:** For both implementation and resulting emissions reductions.

IMPLEMENTATION PROCESS



Implementation Edits - Governance

A **CAAP Technical and Community Advisory Committee** will advise City Staff and provide input on the implementation of the CAAP as the City works to achieve greenhouse gas reduction and adaptation goals.

At regularly scheduled **public meetings**, the committee will provide input regarding annual priorities and the equitable implementation and update of the CAAP. **This committee will provide an annual progress report to City Council on committee activities and subcommittees may be formed as necessary.**

A **Climate Equity Committee** made up of representatives from community-based organizations representing the interests of low-income populations, communities of color, and other vulnerable populations and will provide input on the implementation of the CAAP **to ensure an equity-centered approach.**

A **CoSA CAAP Executive Team** will be established to provide strategic direction and to ensure overall organizational alignment on work related to the CAAP including execution with current and future policies, projects, programs, and budgets to maximize efficiency and accelerate outcomes.

A **CoSA CAAP Delivery Team** will serve as a cross-functional and interdepartmental team to manage the successful execution of the CAAP. This group will be led by the Office of Sustainability and be comprised of representatives from within the municipal government with the charge of working collaboratively on implementing the CAAP.

Current Implementation Activities

American Cities Climate Challenge
 San Antonio is one of 25 cities across the nation participating in the challenge to work towards accomplishing **8 goals in the transportation and buildings & energy sectors** by the end of 2020.



REDUCE EMISSIONS FROM TRANSPORTATION
 through enhancements to traditional public transit, expansion of EV charging and adoption of new mobility

Enhance traditional public transit: Expand PRIMO routes (2% increase ridership) city-assisted frequency improvements (10% increase in ridership) and UPASS at UTSA (>300k boardings)

Test and Implement new transit technology and mobility solutions via Connect SA: Mobility on demand pilot, partnership with strategic partners to bridge first and last mile

Implement Municipal and community-wide TDM commuter incentive programs: increase employers offering TDM benefits by 50% and > SOV trip by up-to 10%

A comprehensive citywide EV charging network: Double the number of publicly accessible charging stations from 200 to 400 and Purchase 106 EV vehicles to replace 106 municipal sedans



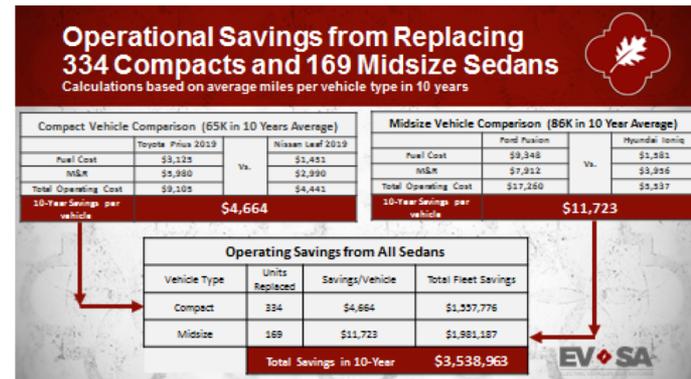
LOWER ENERGY CONSUMPTION
 EV and Solar ready initiatives, PACE, benchmarking and municipal commitment to renewable energy

Benchmarking, Retrocommissioning and Disclosure Requirements: Pass a policy for commercial and residential buildings over 50,000 sq ft

EV and Solar Ready: Require EV and Solar ready via city council passage of SA Climate Ready requirements

Secure support for PACE Program: Work with Bexar county to establish a county-wide PACE Program or secure support from San Antonio City Council to establish a city-wide PACE Program

100% municipal renewable energy: Offset 216.5M kWh



FY 2020 Proposed OS Budget

Sustainability Engagement & Communications

\$235,000 - Comprehensive community engagement, education, and outreach campaign for high-priority sustainability initiatives from the SA Tomorrow Sustainability and SA Climate Ready Plans.

- Communications and Marketing
- Graphic Design
- Spanish Interpretation and Translation
- Outreach Materials

Sustainability Policy Economic Analysis

\$50,000 - Consultant services to undertake Economic Analysis of potential sustainability policies and programs.

Timeline

Date	Milestone
8/12	Facilitated Draft Review Meeting with TWGs
8/14	Facilitated Draft Review Meeting with SC
8/22	A-Session Briefing
8/22	Full public release
8/28	Planning Commission #1
9/6	Public review closes
9/11	Planning Commission #2
9/20	Community Health & Equity Committee
10/2	City Council B-Session
10/17	City Council A-Session

TWG Results- Climate Equity

- Climate equity might become afterthought
- New definition is watered down (will be restored)
- Application and paperwork may be barrier to Climate Equity Committee
- Equity should be in every piece of the plan- the heart of it.
- Community engagement should use the full spectrum of participation.
- Operationalizing who makes decisions, metrics, evaluation of decisions and impacts, and making necessary adaptations.

TWG Results- Climate Equity, cont.

- Urgency- for most vulnerable populations
- Screening tool needs to be one step in the process.
- Establish equity principles and an equity champion on every committee.

TWG Results- Waste and Consumption

- No funds to support research- enhance circular economy, find solutions to glass recycling.
- Funding- who is paying for implementation? Ex: Urban ag
- Need buy-in from local companies and communities.
- Restructuring or identifying City funds for specific implementation strategies.

TWG Results- Water and Natural Resources

- Use technical expertise related to land management in implementation.
- #3 adaptation strategy needs to include green infrastructure (Look at the language.)
- Water quality is not reflected enough in the document. Look at IPCC definitions of “eco-system services” and “natural capital.”
- Need water retention in the watershed.

TWG Results- Transportation and Land Use

- Strategy #9- changed from “carbon-free” to “cleaner.” More accurate and more bite before.
- Appendix became larger- should be reduced.
- Mitigation, Adaption and Implementation need to be together in the document.
- Need to define “eco districts” in glossary.
- Layout of tables needs to be mobile and printer friendly.
- Updates need to be every 1-3 years to make sense.

TWG Results- Transportation and Land Use, cont.

- Table on p. 42 (table of temperature forecasts) needs to stand out more.
- P. 11: wording should be “extreme climate,” not “unpredictable climate.”
- Emphasize we are doing this as part of “collective action” with other cities.
- Goals need to be more specific and measurable with a timeline and updated with plan review.
- Needs to be transparent like Castro’s Vision 2020 plan.
- Needs to be online, “live.”

TWG Results- Energy and Buildings

