

American Cities Climate Challenge

City of San Antonio Strategy Plan

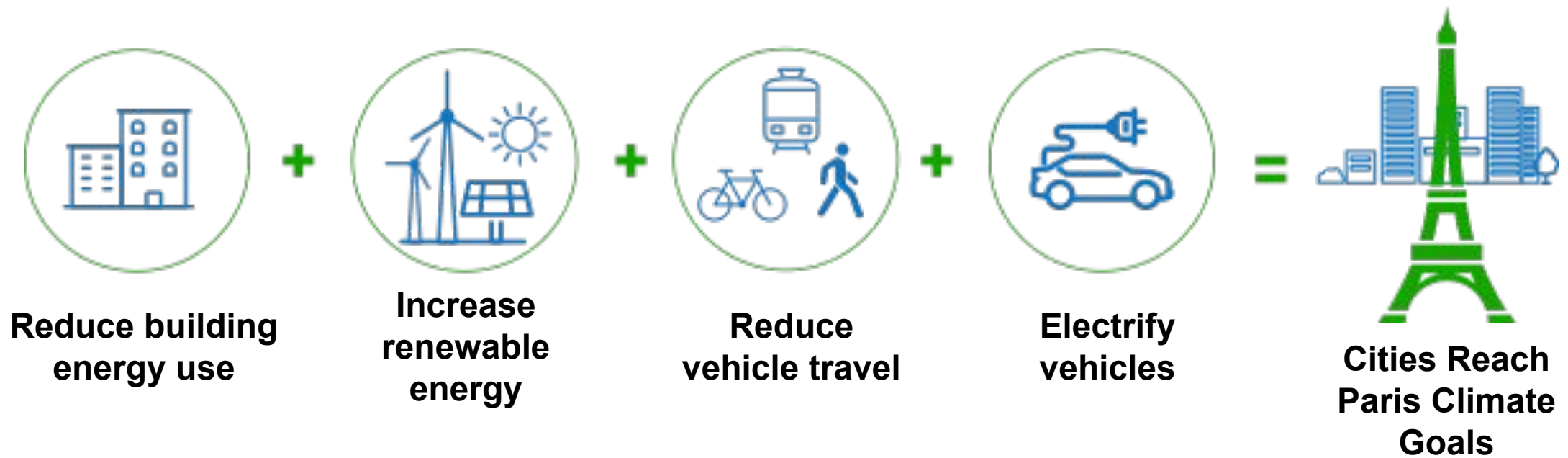


Strategy Plan Template Instructions

- This strategy plan template aims to lay out **how cities' bold ideas will come to life** and generate concrete impact
- This template is being adopted by all ACCC winners to reflect their **participation** and **ambition** as a member of the selected cohort
- The purpose of this template is to **build on the work already completed** in elements of the ACCC application, rather than start from ground zero - with the ultimate goal of **celebrating a clear vision** for success
- By clearly identifying the **objectives, strategies, and goals** of this project, cities will bring themselves one step closer to a pathway paved for success

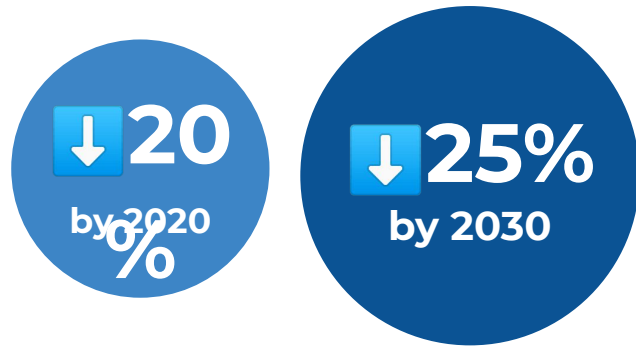
About the American Cities Climate Challenge

The **American Cities Climate Challenge** is a Bloomberg Philanthropies initiative that aims to accelerate and deepen U.S. cities' efforts to create the **greatest climate impact through 2020** and showcase the benefits – **good jobs, cleaner air, and cost savings** – that climate solutions brings.



Vision

The **City of San Antonio** has committed to **ambitious energy savings and emissions reductions targets**



Strategies



LOWER ENERGY CONSUMPTION

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



REDUCE EMISSIONS FROM TRANSPORTATION

through enhancements to traditional public transit, expansion of EV charging and adoption of new mobility

Goals (end of 2020)

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

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

Action 1 : Meet municipal electricity demand with renewable energy (on-site, utility-supplied, or contracted)

2020 Goal

What would success look like in 2020?



100% renewable energy for municipal electricity demand by the end of 2020



% or MW # of municipal electricity generated from on-site renewables by the end of 2020

Description

The City will lead by example by ensuring 100% renewable energy for municipal electricity demand, including purchased and on-site generation and work to identify opportunities to develop a Resilience Hub at a city facility to include solar with battery back-up. Key objectives include:

- Purchase RECs for municipal electricity consumption
- Assess and increase solar production potential at city buildings and property
- Produce Solar at Alamodome and Convention Cntr
- Develop a phased plan to shift from purchasing RECs to city production

Ownership

Who is the primary lead?

Doug Melnick, CSO, CoSA

Russell Huff, Assistant Director - Public Utilities, CoSA

Key Indicators

What metrics will measure success?

- % of MWh that is renewable energy*
- % of municipal electricity generated from on-site renewables

Resources

What resources, support, or partners are critical?

- Expertise in solar potential site evaluation
- Expertise in solar storage
- Expertise in solar project financing
- Experience in renewable energy procurement

Action 2 : Benchmarking, audit, and retro-commissioning (RCx) policies for existing buildings

2020 Goal

What would success look like in 2020?



Achieve participation from 10 of the largest 100 buildings in San Antonio



Projected GHG savings by 2020



Stakeholders engaged by 2020

Description

Develop and adopt Benchmarking, Retrocommissioning and Disclosure Requirements for Existing Buildings. This requirement will apply to commercial and multi-family buildings 50k sq ft or greater. Implementation will consider a Voluntary Private Sector Challenge Program as an initial first step.

- Develop a stakeholder process to identify the potential form of a Building Benchmarking and Disclosure Program for San Antonio.
- Initiate a Building Benchmarking and Disclosure Program in the City of San Antonio.
- Develop a Benchmarking and Disclosure process for CoSA buildings.
- Identified as SA Tomorrow Sustainability and SA Climate Ready Strategies
- SA Climate Ready will be considered for City Council approval in 2019
- Spring of 2020 have a program and supporting ordinance to support implementation OR a program that is optional for commercial buildings
- Requires data from CPS Energy
- Potential partnership with the 2030 district and Build San Antonio Green

Ownership

Who is the primary lead?

Doug Melnick, CSO, CoSA

Golda Obinzu, Energy Manager, CoSA

Key Indicators

What metrics will measure success?

- Sqft/# buildings covered by policy*
- Projected energy & GHG savings; stakeholders engaged*

Resources

What resources, support, or partners are critical?

- Best practices and results for existing benchmarking programs
- Connecting local building owners with building owners from other cities that have been participating in similar programs
- Connection to BOMAs, Chambers, Business leaders from other cities who can provide testimonial to local building owners
- Expertise in developing Benchmarking and Disclosure Programs
- Stakeholder engagement assistance
- Communications and marketing assistance

Action 3 : EV and solar readiness or installation requirement

2020 Goal

What would success look like in 2020?



MW of new solar capability enabled by 2020.



of new EV-charger ready spots enabled.

Description

Require EV and Solar Ready for new construction and substantial rehabs. This evaluation is currently underway through a review committee comprised of the City, development community, and environmentalists.

Through a stakeholder process, develop and adopt EV and Solar Ready requirements for new buildings and substantial renovations.

- In process (code review and EV Planning Consultant work)
- Identified as SA Tomorrow and SA Climate Ready Strategies
- SA Climate Ready will be considered for City Council approval in 2019

Ownership

Who is the primary lead?

Ahmin Tohmaz, Assistant Director, Development Services, CoSA
Doug Melnick, CSO, CoSA

Key Indicators

What metrics will measure success?

- MW of new solar capacity enabled*
- # of EV-charger ready spots enabled*

Resources

What resources, support, or partners are critical?

- Support getting policy through City Council***
- Technical assistance on EV and solar ready code development
- Assistance determining potential impact - costs and benefits
- Communications and marketing assistance
- Stakeholder engagement assistance

Action 4 : New financing programs for energy efficiency, renewables, and infrastructure (Develop, adopt, and implement a county-wide PACE Program)

2020 Goal

What would success look like in 2020?



Bexar County adopts and implements a countywide PACE program by end of year 2019



Investment dollars committed



Total # of projects completed

Description

- Work with Bexar County to adopt and implement a countywide PACE program.
- Develop, adopt, and implement a county-wide PACE Program in partnership with Bexar County.
- (Chambers of commerce have already provided letters of support)
- Identify other potential financing programs

Ownership

Who is the primary lead?

Linda Rivas, Division Manager of Community Resources, Bexar County

Doug Melnick, CSO, CoSA

Key Indicators

What metrics will measure success?

- \$ financing invested*
- # of projects completed by end of 2020*
- Estimated (or forecasted) MWh saved or produced by funded projects*

Resources

What resources, support, or partners are critical?

- Support and guidance to assist Bexar County to pass policy
- Technical assistance on PACE and other financing programs
- Communication and marketing assistance
- Stakeholder engagement assistance
- Examples of other financing options for energy efficiency and renewable deployment

Action 5 : Improve public transit speed, reliability and user experience (PRIMO, Mobility on Demand, U Pass, Smart Cards, Bus Speeds, Mobile App, First/Last Mile)

2020 Goal

What would success look like in 2020?



Increase bus only lanes by 10 miles

Description

Increase ridership by improving transit user experience, usability and accessibility. Integrated initiatives include: expanding public transit express service and park & rides, implementing 10 additional miles of bus-only lanes, implementing technology that includes city-wide, real-time arrival data, off-board fare collection at busy stops/routes, and incorporating first-mile/last-mile modes such as bike, and ride and carshare. All buses will be equipped with GPS tracking devices and will be Transit Signal Priority Ready.

Ownership

Who is the primary lead?

Jeff Arndt, President & CEO, VIA Transit
Art Reinhardt, Interim Deputy Director, TCI, CoSA

Key Indicators

What metrics will measure success?

- Average bus speed*
- Miles of bus/transit lines improved*
- % of buses/stations with GPS/real time travel*
- Ridership increase

Resources

What resources, support, or partners are critical?

- Technical assistance
- Communication and marketing assistance
- Stakeholder engagement assistance

Action 6 : Ubiquitous EV charging infrastructure (Comprehensive citywide EV charging network)

2020 Goal

What would success look like in 2020?



Double the number of publicly accessible charging stations from 200 to 400



Replace at least 100 municipal fleet with EVs

Description

Develop a citywide assessment of current and needed EV charging infrastructure and then design and implement a citywide EV charging network.

Strategically electrify identified segments of the City fleet and reduce barriers to residential and commercial EV ownership and use- including installing charging infrastructure at municipal facilities and city-wide.

Ownership

Who is the primary lead?

Julia Murphy, Sustainable Special Projects Manager, CoSA
Rick Luna, Interim Director, Technology and Product Innovation, CPS Energy

Key Indicators

What metrics will measure success?

- # EV charging stations installed (currently measured in ports)
- # of new charging stations in municipally-owned lots
- # of new publicly accessible charging stations
- # of new municipal EVs

Resources

What resources, support, or partners are critical?

- Support/guidance developing grant application for VW funds
- Technical review & feedback to CoSA's current EV infrastructure
- Technical review and feedback on CoSA's current EV planning process
- Technical assistance and best practices
- Community engagement support
- Communications and marketing assistance

Action 7 : Commuter incentives

2020 Goal

What would success look like in 2020?



Increase the number of employers offering TDM benefits (carpool, vanpool, driving-alternatives, teleworking, flex schedule, and/or subsidized transit passes) by X # of employers or employees *50% (lack of baseline) (quantify the actual number)*



Increase the number of municipal employees participating in a TDM Program (teleworking, flextime schedules, car or vanpool, transit) by 500

Description

Expand municipal and community-wide TDM commuter incentive programs.

Ownership

Who is the primary lead?

Municipal: Art Reinhardt, Interim Deputy Director, TCI, CoSA (Jillian Harris, TDM and SPM Manager)

Private: Lily Lowder Alamo Commutes Coordinator/Planner (AAMPO)

Key Indicators

What metrics will measure success?

- # or % of employers offering TDM benefits (carpool, vanpool, driving-alternatives, teleworking, flex schedule, and/or subsidized transit passes)*
- # or % USING incentives
- # or % of municipal employees participating in a TDM Program (Teleworking, flextime schedules, car or vanpool, transit)*
- Fundamental TDM Best practices. (TDM is not a new concept but is a new dedicated program in San Antonio.)
- Method for baselining current TDM participants and long term strategy to continue tracking increase over time
- Polling and behavior assessment
- Analysis or surveying that needs to be done to assess interest and priorities
- Economic benefit (incentivization)
- Communication and marketing

Resources

What resources, support, or partners are critical?

Action 8: Define and expand the high-frequency public transit network to achieve significant ridership increases (ConnectSA)

2020 Goal

What would success look like in 2020?



Voters approve a funding package to implement a modern, high capacity transit system.



Investment \$ in operation of transit lines

Description

Secure broad based community input on the future of transit in San Antonio. Raise public awareness about the growth of the community and the need for a comprehensive, multimodal mobility system to avoid increasing traffic congestion and enhance economic development. Secure positive support from voters for funding package to implement a modern, high capacity transit system.

Ownership

Who is the primary lead?

Marisa Bono, Chief of Policy, Mayor's Office, CoSA

Key Indicators

What metrics will measure success?

Investment \$ in operation of transit lines*

Composite measure of citizen awareness (e.g. # of citizens educated, \$ spent on citizen engagement, survey of % of respondents with favorable opinion or % of respondents willing to ride/mode-shift) [Some of funds raised will go to other modes of mobility. (e.g. road improvements, bike lanes, sidewalks, micro mobility hubs, etc.

Resources

What resources, support, or partners are critical?

- Expertise developing and initiating successful campaigns that lead to code adoption
- Surveying public opinion
- Technical experience in energy, building efficiency, and multimodal transportation will be essential.
- Knowledge of equity concepts and experience working in diverse organizations and communities.
- Community education engagement expertise (which would proceed a campaign)