CLIMATE UPDATE

INTRODUCTION BY:
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Chief Operating Officer (COO)

PRESENTED BY:
Angela Rodriguez
Interim Director, Climate & Sustainability

January 28, 2019

Informational Update
AGENDA

• CLIMATE ACTION & ADAPTATION PLAN
• PARTNERS & SUPPORT
• COMMUNITY ENGAGEMENT
• CAAP TEAMS
• PUBLIC OUTREACH
• CITY’S TIMELINE, BASELINE & GOAL
• CITY’S DRAFT RELEASE
CAAP

Mayor Nirenberg, CW Ana Sandoval, Doug Melnick CoSA, CAAP Open House, Young Women’s Leadership Academy, October 13, 2018
PARTNERS & SUPPORT

*University of Texas at San Antonio
Community Engagement

City of San Antonio

ASPIRATIONAL GOALS

PATH TO THE GOALS
Traditional Generation Technology & Innovation Manage Plan & Strategy

Flexible Path

Partners Input
Customers
Environmental Businesses
Others

CPS Energy

Policies
Priorities

5
CAAP TEAMS

• Steering Committee
• Climate Equity Technical Working Group (TWG)
• Energy & Buildings TWG
• Waste & Consumption TWG
• Transportation & Land Use TWG
• Water & Natural Resources TWG

CAAP Steering Committee Meeting
July 11, 2018
PUBLIC OUTREACH

- Monthly Environmental Stakeholder Meetings
- Monthly Business Stakeholder Meetings
- Customer Care Fairs
- Open Houses
- Neighborhood Associations
- Chambers of Commerce
- Community Events
- Over 6,000 community members at about 150 meetings/events

CAAP Open House at John Igo Library October 29, 2018
**CITY’S TIMELINE**

**Phase One**
Sept. - Dec. 2017
- Best Practices Research
- Methodology Documents
- Kick-Off Public Event

**Phase Two**
Jan. - July 2018
- Greenhouse Gas (GHG) Inventory
- Climate Projections
- Mitigation Strategies
- Identify Co-Benefits
- Identify GHG Reduction
- Vision & Priorities Survey
- Community & Stakeholder Meetings

**Phase Three**
Aug. - Dec. 2018
- Adaptation Strategies
- Cost-Benefit/Cost Avoidance Analysis
- Mitigation & Adaptation Survey
- Community & Stakeholder Meetings
- Targeted Equity Engagement
- Draft Climate Plan

**Phase Four**
Jan. - Apr. 2019
- District Open Houses Jan. - Feb.
- Final Climate Plan

**Key Meeting Dates 2019:**
- Jan. 25 Public Release DRAFT CAAP
- 30-day comment period opens
- Feb. 27 Planning Commission #1
- Mar. 13 Planning Commission #2
- Mar. 26 Community Health & Equity Committee Briefing
- Apr. 3 City Council B-Session
- Apr. 11 City Council A-Session

Source: www.saclimateready.org
2016 SAN ANTONIO TOTAL COMMUNITY GHG EMISSIONS BY SECTOR

**Total**
17,350,376 tCO2e

**Building Energy Usage (47%)** and **Transportation (38%)** are the two largest sectors, so Mitigation Strategies will focus on reductions in those sectors.
BUILDING ENERGY USE

GHG emissions reduction opportunities

Potential Mitigation Strategies

- Increasing Renewable Generation
- Energy Efficiency
- Adding Solar
- Building Codes
- White & Reflective Roofs

- Residential Fuel: <1%
- Industrial Fuel: 5%
- Commercial Fuel: 8%
- Residential Electricity: 34%
- Commercial Electricity: 49%
- Industrial Electricity: 4%
CITY’S GOAL

Total GHG Emissions (metric tonnes CO2e)

- **2° Pathway**: 70-80% reduction against 2015
- **1.5° Pathway**: 90-100% reduction against 2015
CITY’S DRAFT PLAN

Together, we are building solutions to prepare our city for climate change. Along with its partners and members of the community, the City of San Antonio is developing a Climate Action and Adaptation Plan (CAAP). The CAAP will lay a roadmap to reduce carbon emissions, adapt to a changing climate, and ensure San Antonio remains a healthy, vibrant place for generations to come. Explore the site to track our progress, learn about upcoming events, and discover ways to take action.

Key Dates:
- Jan. 25: Public Release DRAFT CAAP
- 30-day comment period opens
- Apr. 11: City Council A-Session
- Final Plan Approval

The community can visit www.saclimateready.org to submit feedback on the DRAFT CAAP for the City of San Antonio.
Thank You
Appendix
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<tr>
<th>ACROYNM</th>
<th>TERM</th>
<th>DEFINITION</th>
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<tbody>
<tr>
<td>CAAP</td>
<td>Climate Action &amp; Adaptation Plan</td>
<td>A CAAP is a plan created by utilizing public engagement to explore both mitigation strategies, aiming to reduce or prevent the emission of GHGs, and adaptation strategies aiming to prepare the community, municipal government operations, and other key sectors for the anticipated impacts of climate change.</td>
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<tr>
<td>GHG</td>
<td>Greenhouse gas</td>
<td>Greenhouse Gas (GHG) Emissions are the carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) gases released into the atmosphere as a result of energy consumption at the property. GHG also can include sulfur hexafluoride (SF₆), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and other fluorinated greenhouse gases. GHG emissions are expressed in carbon dioxide equivalent (CO₂e), a universal unit of measure that combines the quantity and global warming potential of each greenhouse gas.</td>
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<td>IPCC</td>
<td>Intergovernmental Panel on Climate Change</td>
<td>The Intergovernmental Panel on Climate Change (IPCC) is a United Nations body, founded in 1988, which evaluates climate change science. The IPCC assesses research on climate change and synthesises it into major assessment reports every 5–7 years.</td>
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<td>NOx</td>
<td>Nitrogen Oxides</td>
<td>Any of several oxides of nitrogen most of which are produced in combustion and are considered to be air pollutants, they are one of EPA's criteria and most regulated pollutants. Nox contributes to ozone formation.</td>
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<td>Paris Climate Accord</td>
<td>The Paris climate accord, known as the &quot;Paris Agreement&quot; by the United Nations, is an international agreement reached in 2015 aimed at reducing carbon emissions, slowing rising global temperatures and helping countries deal with the effects of climate change. The agreement was signed in Paris, France.</td>
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<td>SA Climate Ready</td>
<td>CPS Energy is working with the City of San Antonio (CoSA), UTSA and the consulting firm Navigant to develop the community’s Climate Action and Adaptation Plan (CAAP). For branding, website, and public engagement purposes we are referring to the CAAP development process as SA Climate Ready. Visit <a href="http://www.saclimateready.org">www.saclimateready.org</a> for more info.</td>
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<tr>
<td>OS</td>
<td>Ozone Season</td>
<td>For EPA regulatory tracking purposes ozone season is May through September of each year. Since ozone needs high temperature and sunlight to form, the hot summer months are when ozone emissions are at their highest.</td>
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<td>SC</td>
<td>Steering Committee</td>
<td>To ensure diverse stakeholder interests are well represented in the CAAP. We are engaging the public, business, and environmental community partners to shape a better future for all members of our community. The Steering Committee was composed of the chairs of each CAAP TWG.</td>
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<tr>
<td>TWG</td>
<td>Technical Working Group</td>
<td>To ensure diverse stakeholder interests are well represented in the CAAP. We are engaging the public, business, and environmental community partners to shape a better future for all members of our community. The Steering Committee plus five Technical Working Groups focusing on Energy &amp; Buildings, Transportation &amp; Land Use, Water &amp; Natural Resources, Climate Equity, and Waste &amp; Consumption are made up of approximately 90 members from our community.</td>
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