



Existing Building Electrification Plan

*Information Session:
March 18, 2022
March 21, 2022*



Meeting Logistics

- Presentation (est. 15 min.)
- Followed by comments/ questions (est. 45 min.)
 - Raise hand to speak or enter questions in chat
 - In order to accommodate all speakers, allotting 90 seconds per speaker
 - Please be respectful in providing comments
 - If comment is duplicative - please note agreement and ask question
 - We will note all comments, provide short responses where possible/applicable, and update the online FAQ following the meeting as needed.

Agenda

- Background
- Purpose
- Engagement & Timeline
- Recommended Strategies
- Comments and Questions

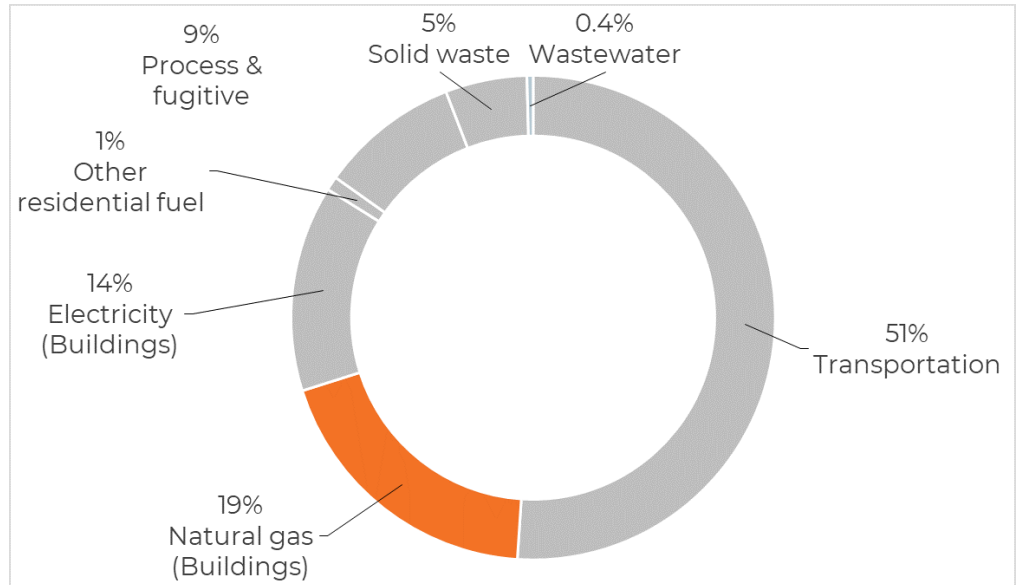


You Are Concerned About Climate Change.... So Are We

CLIMATE SMART SAN JOSE



2019 Community-wide Emissions by Sector

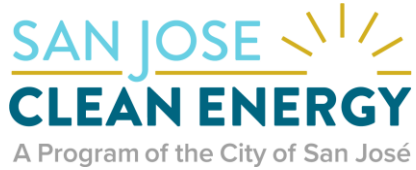


Carbon Neutrality Goal

- In Nov. 2021, City Council passed aspirational carbon neutrality by 2030 goal
- Return to Council with assessment of larger context, what we're doing, and options in June 2022
- Will require further community engagement beyond June 2022



Increasing Renewable Energy for San José



Our Local Clean Electricity Supplier



SJCE's Kern County Solar & Storage Project



SJCE's New Mexico Wind Project

<https://sanjosecleanenergy.org/>

Prioritizing Health and Air Quality Concerns



Air Quality Impacts

- Gas stoves release several hazardous pollutants
- Indoor air quality is not regulated

Health Impacts:

- New studies exposing respiratory effects
- 42% increased risk of asthma

Momentum for Building Electrification

- **State Legislation**
 - 80% below 1990 emission levels by 2050 (AB 32)
 - 100% carbon free electricity by 2045 (Renewable Portfolio Standards)
- **State Investment -**
 - Incentives for all-electric buildings (SB 1477)
 - BUILD (\$80M)
 - TECH (\$120M)
 - \$1B for building decarbonization (Governor's Proposed Budget)
- **CA Building Code**
 - Adopted 2022 Building Code - strongly incentivizes all-electric new construction



- **Federal Investment**
 - \$65B for grid infrastructure upgrades (Infrastructure & Investment Jobs Act)

Framing up the Plan

The Issue

Burning gas in buildings is a major contributor to climate change, and has negative health & safety impacts. As our electricity rapidly gets cleaner, we want to support the electrification of our buildings.



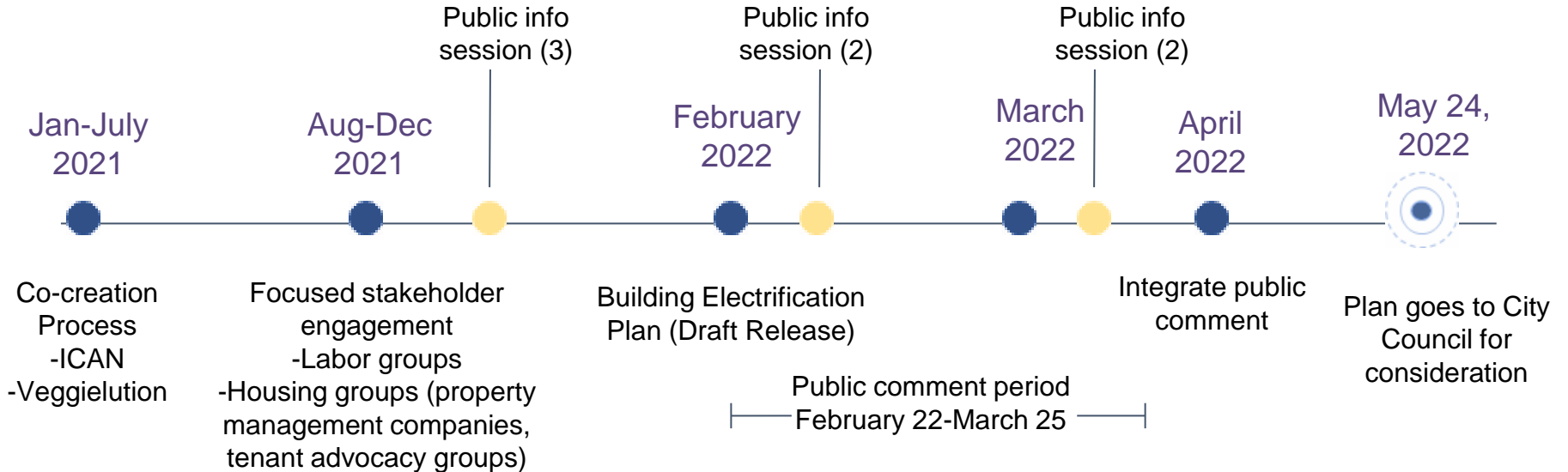
Development Process:

- **What:** Policy and program options for building electrification designed to benefit all communities
- **Why:** To ensure electrification is accessible and beneficial for all
- **How:** Co-create solutions with community-based organizations and most impacted communities

What is the Existing Building Electrification Plan?

The Existing Building Electrification Plan is a framework to encourage the electrification of homes and businesses

Community Engagement & Timeline



Our Focus Areas



***Housing and
Energy Costs***



***Health &
Air Quality***



***High Quality
Job
Opportunities***



***Clean &
Reliable Energy***

Recommended Strategies

Foundational Strategies

~~Identify a set of policy requirements to drive building electrification~~
Draft Revision: Engage community to evaluate policy options to support building electrification

Invest in supportive programs and funding to enable an equitable building electrification transition

Create more equitable engagement across the City

Launch an equitable task force



Housing and Energy Costs

Strategies:

Expand awareness
about rebate
programs

Provide information
& resources on the
cost of building
electrification

Launch a retrofit
accelerator that
includes incentives
and low cost
financing

Streamline
permitting process
for electrification

Develop scalable
building
electrification
solutions

Identify sustainable
funding sources
and financing
options



Air Quality and Health

Strategies:

Community led
outreach on benefits
of building
electrification

Raise awareness
about health impacts
of using gas in the
home

Support regional and
state policy efforts

Education on the
importance of indoor
air quality



High Quality Job Opportunities

Strategies

Expand training opportunities for contractors

Establish a workforce development working group

Integrate building electrification curricula into training programs

Participate in regional efforts to promote high quality jobs

Improve permit and compliance to ensure safe installations

Identify policies to mitigate impacts for gas workers



Clean and Reliable Energy

Strategies:

Utility scale
development
(e.g., microgrids)

Expand access to
renewable energy
options

Contribute toward
creation of more
resilient grid

Community
Resiliency Hubs

What we've heard so far

Support for:

- workforce development,
- resources/incentives to electrify,
- addressing health concerns with gas,
- access to renewable energy,
- streamlined electrification,
- equitable building electrification approach

Some concerns over:

- Mandates for existing buildings with equipment not needing replacement
- Cost
- Grid reliability
- Community engagement
- Housing costs and tenant protections

Reference to Potential Mandates

DRAFT Plan, pg. 47:

“Because voluntary action by property owners will not be sufficient to fully electrify San José’s buildings by the City’s 2030 carbon neutrality goal date, new laws that require electrification for every building sector will be necessary.”

Draft Revision:

“The City may need to consider policy options to fully electrify San Jose's buildings by the City's 2030 carbon neutrality goal date - any such considerations will allow for public input and involve a broad public engagement process.”

How to provide feedback

Visit:
[Building Electrification](#)
[Webpage](#)

Public Comment Period:
2/22-3/25



Environmental Services

Existing Building Electrification Plan Feedback Form

Please use this form to provide your comments on the Existing Building Electrification Plan. The public comment period will be open from 2/22-3/11. If you have any trouble accessing or filling out this form, please contact ClimateSmart@sanjoseca.gov. For more information, visit [our webpage](#).

* Name

0/50

Organization (if applicable)

Comments and Questions

You may also provide written comments on the [Building Electrification Webpage](#) through March 25.

