City Council Update

Existing Building Electrification Strategy

September 14, 2021
Electrification

Ensure a collaborative and just decarbonization transition.

Housing Cost Burden

<table>
<thead>
<tr>
<th>Category</th>
<th>Income on Housing</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renters</td>
<td>&gt;30%</td>
<td>50%</td>
</tr>
<tr>
<td>Owners</td>
<td>&gt;30%</td>
<td>27%</td>
</tr>
<tr>
<td>Renters</td>
<td>&gt;50%</td>
<td>11%</td>
</tr>
<tr>
<td>Owners</td>
<td>&gt;50%</td>
<td>27%</td>
</tr>
</tbody>
</table>

Source: American Community Survey (2014-2018), 2018 Sacramento housing cost burden
Health benefits

Gas stoves increase children’s asthma risk by 42%.

Recap: related efforts

- New Building Electrification Ordinance
- Water Reuse & Workforce Opportunities
- Existing Building Electrification Strategy

cityofsacramento.org/SacElectrificationOrdinance
Recap: related efforts

New Building Electrification Ordinance
Effective 1/1/23

Water Reuse & Workforce Opportunities

Existing Building Electrification Strategy
Council Action by late 2022
Updates

- Planning process
- Stakeholder convening
- Environmental Justice Collaborative Governance Committee (EJCGC)
Planning process

2-phase work plan
ATTACHMENT 3

1. Outreach & analysis
2. Policy document & implementation plan

SINGLE-FAMILY HOMES BY YEAR BUILT

Source: Vistar Energy (2021)
EJCGC recommendations

ATTACHMENT 4

• Holistic & sustained engagement
• Rethink incentives
• Remove participation barriers
Example framework

Stakeholder feedback

Several key issues and sectors identified.
Approach

Phase 1: Outreach and Analysis
1.1 Community Engagement Strategy:
1.2 Analysis Framework: September 2021
1.3 Building Inventory and Market Segmentation Study
1.4 Electrification Measures Analysis (Initial Strategy Scan)
1.5 Meetings and Presentations

Phase 2: Final Pathway and Policy Implementation Plan
2.1 Stakeholder Engagement, Guidance, and Summary Document
2.2 Generation and Analysis of Options
2.2 Draft Existing Building Electrification Strategy
2.3 Meetings and Presentations
2.4 Final Existing Building Electrification Strategy and Policy Implementation Plan
Approach

Phase 1: Outreach and Analysis

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POLICY DOCUMENT

- Sectors
- Cost & impacts
- Retrofit approach
- Funding resources
- Regulatory and legislative issues
Next steps

• September 2021: Contract for Existing Building Electrification Strategy
• October 2021: Update to City Council on Climate Action & Adaptation Plan
• Fall 2021: Community engagement strategy and analysis framework
• Late 2021: Update to City Council
• Winter 2021 – Spring 2022: Electrification measures and policy analysis
• Spring 2021: Update to City Council
• Summer 2022: Draft Existing Building Electrification Strategy
• Fall 2022: Final Existing Building Electrification Strategy
• Late 2022: Recommendation to City Council

cityofsacramento.org/SacExistingBuildingElectrification
Energy use

- 38% of total greenhouse gas emissions

2016 Community GHG Emissions
metric tons of carbon dioxide equivalent (MTCO$_2$e)

- Residential Energy: 19%
- Commercial & Industrial Energy: 19%
- Transportation: 56%
- Community-generated Waste: 4%
- Waste-in-Place: 1%
- Wastewater: 1%
- Water: <1%

3.4 million MTCO$_2$e