

# U.S. EPA's State and Local Energy and Environment Webinar Series

## An Introduction to Electric Vehicle-Ready Buildings

March 24, 2021

3:00 – 4:00 PM Eastern

Two audio options:

1. Listen via computer
2. Dial 1-415-655-0002 or 1-855-797-9485

Event number: 185 520 3131







































































# Why EV Ready Building Codes?

Trenching, punching through walls

Panel upgrades

Soft costs: permitting, plans, inspections

“the International Code Committee discovered that around 85-percent of the cost of refits for EV support could be avoided, had EV-Capable infrastructure been included at the start.”

[www.slashgear.com/new-ev-ready-building-codes-could-be-tipping-point-for-electric-cars-in-us-10606522/](http://www.slashgear.com/new-ev-ready-building-codes-could-be-tipping-point-for-electric-cars-in-us-10606522/)

# Costs: Example 450 Unit Multi-Family Building

	EV Capable	EV Ready	EVSE Installed	\$/Space
Denver	\$300	\$1,300	\$4,000	\$722
Developer 1	\$280	\$800	\$12,000	\$664
Developer 2	\$850	\$1,200	\$6,500	\$1,224

Cost of Structured Parking per Space: \$18,000-\$25,000

Costs Context: Example 450 Unit Multi-Family Building  
Total Parking Structure Cost: \$11 million  
Total Building Cost: ~\$100 million

	Total EV Ready Cost	% of Parking Cost	% of Total Building Cost
Denver	\$324,900	2.9%	0.3%
Developer 1	\$298,920	2.7%	0.3%
Developer 2	\$550,980	4.9%	0.5%

# Denver 2022 Code Process

No plans for major advances

Hoping to:

- Clarify language
- Provide flexibility
- Lower Costs

while meeting spirit of providing ubiquitous EV charging infrastructure

# Question and Answer Session



# Connect with the State and Local Energy and Environment Program

## U.S. Environmental Protection Agency

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State and Local  
Energy and Environment Program

## Guest Speakers

Michael Salisbury

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