



# Residential Reach Codes: City of Sunnyvale

August 13, 2020, 3:26 PM

## Contents

i.	Summary of responses	2
ii.	Survey questions	5
iii.	Individual responses	6

**Residential Reach Codes: City of Sunnyvale**

Sunnyvale Residential Reach Codes: Please provide your feedback.

## Summary Of Responses

**As of August 13, 2020, 3:26 PM, this forum had:**

Attendees:	136
Responses:	80
Hours of Public Comment:	4.0

**Topic Start**  
July 22, 2020, 7:40 AM

## QUESTION 1

**Do you own property in Sunnyvale?**

		%	Count
Yes		68.8%	55
No		31.3%	25

## QUESTION 2

**Do you own a business in Sunnyvale?**

		%	Count
Yes		5.0%	4
No		95.0%	76

## QUESTION 3

**How informative did you find the reach code video presentation?**

		%	Count
Extremely		13.7%	10
Very		46.6%	34

**Residential Reach Codes: City of Sunnyvale**

Sunnyvale Residential Reach Codes: Please provide your feedback.

		<b>%</b>	<b>Count</b>
Somewhat		31.5%	23
Not very		8.2%	6

## QUESTION 4

**Which of the following Reach Codes would you support? Choose any that apply.**

		<b>%</b>	<b>Count</b>
A total ban on natural gas (including outdoor use)		52.5%	42
All electric for new construction		76.3%	61
All electric for additions and alterations of buildings		72.5%	58
All electric for new construction with exceptions for cooking		27.5%	22
No Reach Codes		12.5%	10
Other		10.0%	8

## QUESTION 5

**If you support Reach Codes, select the reasons why.**






		<b>%</b>	<b>Count</b>
Reduce greenhouse gas emissions		98.6%	71
Support Sunnyvale's Climate Action Playbook goals		81.9%	59
Health and Safety		72.2%	52
Cost savings		55.6%	40
Other		12.5%	9

**Residential Reach Codes: City of Sunnyvale**

Sunnyvale Residential Reach Codes: Please provide your feedback.

## QUESTION 6

**If you don't support Reach Codes, select the reasons why.**

		<b>%</b>	<b>Count</b>
The appliances installed in my home should be my choice		78.6%	11
I don't believe Reach Codes will make a difference in our greenhouse gas emissions		42.9%	6
Reach Codes would be too costly		50.0%	7
I don't think electric appliances perform as well as gas appliances		50.0%	7
Other		28.6%	4

## QUESTION 7

**Please express any additional thoughts, questions, or concerns you may have regarding Reach Codes.**

Answered	41
Skipped	39

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

# Survey Questions

### QUESTION 1

**Do you own property in Sunnyvale?**

- Yes
- No

### QUESTION 2

**Do you own a business in Sunnyvale?**

- Yes
- No

### QUESTION 3

**How informative did you find the reach code video presentation?**

- Extremely
- Very
- Somewhat
- Not very
- Not at all

### QUESTION 4

**Which of the following Reach Codes would you support? Choose any that apply.**

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking
- No Reach Codes
- Other

### QUESTION 5

**If you support Reach Codes, select the reasons why.**

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other

### QUESTION 6

**If you don't support Reach Codes, select the reasons why.**

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- Reach Codes would be too costly
- I don't think electric appliances perform as well as gas appliances
- Other

### QUESTION 7

**Please express any additional thoughts, questions, or concerns you may have regarding Reach Codes.**

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Individual Responses

#### Name not shown

inside Sunnyvale

July 24, 2020, 10:32 PM

##### Question 1

- Yes

##### Question 2

- No

##### Question 3

- Very

##### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- Other - Pre-wiring for electric vehicle charging above state mandates in multi-family housing.

##### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Equity. Everyone deserves to live in healthy homes free of gas combustion by-products that are also comfortable, energy efficient and less expensive to operate.

##### Question 6

No response

##### Question 7

At some point in the process I hope we can review the actual proposed code language at least for phase 1. I like that future phases will include requirements for alterations/remodels to be all-electric. I was hoping there would be requirements in the first phase for pre-wiring for electric vehicles above state mandates in multi-family residences. Easy access to convenient charging is the thing that most discourages apartment dwellers from investigating electric vehicles. How long will it take to implement subsequent phases and who decides when it is time?

Estimate how much annual greenhouse gas emissions will be 'locked in' by allowing an exemption from the requirements for residential developments that already have a planning entitlement. Consider ways to offset that amount of GHG emissions with other measures.

#### Name not shown

inside Sunnyvale

July 25, 2020, 12:08 AM

##### Question 1

- Yes

##### Question 2

- No

##### Question 3

- Somewhat

##### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

##### Question 5

- Reduce greenhouse gas emissions
- Health and Safety
- Cost savings

##### Question 6

No response

##### Question 7

I appreciate that in Sunnyvale significant remodels are considered new construction and subject to new construction building codes. I appreciate that the reach code will include detached ADUs. I appreciate that staff is looking down the road, including panel sizing calculations when an electrical box is to be replaced. And I appreciate that Sunnyvale has the Green Building Program in place to incentivize all-electric for buildings such as large hotels which would not be covered by this reach code, Phase 1. However, I urge staff to include strengthened EV requirements now, in Phase I. Cupertino's code would be a good model. It requires EV

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

ready so that a resident could just plug in a charger without having to engage an electrician. The Cupertino reach code also specifies the number of Level 1 and Level 2 chargers for various sized residences. There is already substantial interest in EVs in this region. The sooner the switch is made to EVs the sooner the air gets cleaner and the sooner we reduce GHG emissions. I see no reason for foot-dragging at this point in history. Requiring EV ready for new construction is a comparatively easy ask—especially when the wires have to be there already anyway.

---

### Rani Fischer

inside Sunnyvale

July 25, 2020, 4:07 PM

#### Question 1

- Yes

#### Question 2

- No

#### Question 3

- Not very

#### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

#### Question 5

- Reduce greenhouse gas emissions

#### Question 6

No response

#### Question 7

No response

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### Name not shown

inside Sunnyvale

July 25, 2020, 10:37 PM

#### Question 1

- Yes

#### Question 2

- No

#### Question 3

- Very

#### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

#### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

#### Question 6

No response

#### Question 7

No response

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### Name not shown

outside Sunnyvale

July 27, 2020, 8:22 AM

#### Question 1

- No

#### Question 2

- No

#### Question 3

- Very

#### Question 4

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Health and Safety

### Question 6

No response

### Question 7

No response

### Bill Hilton

inside Sunnyvale

July 27, 2020, 4:50 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- Other - Panel upgrade estimates when remodeling residential buildings.

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

### Name not shown

inside Sunnyvale

July 28, 2020, 2:43 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Extremely

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice

### Question 7

You are taking our choice away and telling us how to live and think. As it is we have WAY too many codes now. Most do not make any sense but make more money for the state.

### Name not shown

inside Sunnyvale

July 28, 2020, 8:16 PM

### Question 1

- Yes

### Question 2



## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- No

### Question 3

- Somewhat

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

It is important to balance energy goals with cost to property owners as you consider the overall approach and timelines.

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## Name not available

July 29, 2020, 8:27 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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## Name not available

July 29, 2020, 3:08 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

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## Name not shown

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

inside Sunnyvale  
July 30, 2020, 6:21 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

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## Name not available

July 30, 2020, 9:15 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- I don't think electric appliances perform as well as gas appliances

### Question 7

No response

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## Name not shown

inside Sunnyvale

July 30, 2020, 9:20 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- No Reach Codes

### Question 5

- Cost savings

### Question 6

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- Reach Codes would be too costly

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 7

No response

### Name not available

July 30, 2020, 9:20 AM

#### Question 1

- No

#### Question 2

- No

#### Question 3

- Somewhat

#### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

#### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Reduce fossil fuel dependence

#### Question 6

No response

#### Question 7

The more aggressive you can be, the better! Future generations will thank you.

### Robert Jeckell

inside Sunnyvale

July 30, 2020, 10:32 AM

#### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

### Ian Van Wert

inside Sunnyvale

July 30, 2020, 10:43 AM

#### Question 1

- Yes

#### Question 2

- No

#### Question 3

- Extremely

#### Question 4

- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

#### Question 5

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

- The appliances installed in my home should be my choice

### Question 7

No response

## Ari Feinsmith

inside Sunnyvale

July 30, 2020, 11:16 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- Other - Eliminate single family housing zoning codes. They reduce housing supply, therefore forcing people to live farther away from their jobs. Longer commutes mean more green house gas emissions.

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Electrical appliances are generally more efficient than gas appliances.

### Question 6

No response

### Question 7

I like the idea of pre-wiring electric vehicle chargers in homes. However, I would like to see the reach codes improve HVAC systems. HVAC systems are directly responsible for 12% of global green house gas emissions. The most effective way of reducing this is by using more efficient refrigerants. Currently, R-22 is the most commonly used refrigerant, but Bluon TdX 20 (AKA: R-458A) is much more efficient, cheaper, and has less GHG leaks. I would like to see the Reach Codes mandate that all new residential and non-residential buildings use the Bluon TdX 20 refrigerant for their HVAC systems. It is cost effective and would greatly reduce our GHG emissions. Here is more info: <https://www.bluonenergy.com/sustainability/>

## Name not available

July 30, 2020, 12:19 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- Reach Codes would be too costly
- I don't think electric appliances perform as well as gas appliances

### Question 7

These codes will only increase the cost of single family homes and drive out our neighborhoods, with little effect on the environment.

## Name not available

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

July 30, 2020, 1:47 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

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## Name not available

July 30, 2020, 4:48 PM

### Question 1

- Yes

### Question 2

- Yes

### Question 3

- Somewhat

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- Other - Natural gas is the cleanest energy! Our electric grid cannot support more electric devices (cars & appliances)!!!

### Question 7

No response

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## Name not available

July 30, 2020, 5:13 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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## Mark Hanlon

inside Sunnyvale

July 30, 2020, 5:46 PM

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for new construction

### Question 5

- Reduce greenhouse gas emissions

### Question 6

- The appliances installed in my home should be my choice
- Reach Codes would be too costly

### Question 7

There is a BIG difference between constructing a new building and replacing a failed major appliance. Mandating that a failed gas appliance be replaced by electric in an existing home could be cost prohibitive for the owner, and possibly lead to a house without heat. Think this through. Just because someone owns a house in Sunnyvale doesn't mean they have multiple thousands to re-wire/re-panel their home for a new stove or dryer. ... Several days later, I'm thinking it might be somewhat reasonable for all new PV installations to also require wiring to existing gas appliances at time of panel changes. This would make the transition from gas easier at time of replacement, and the cost burden could then be part of the price/payback calculations.

### Timothy Oey

inside Sunnyvale

July 30, 2020, 9:12 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Not very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

The reach code presentation could have been documented on a web page or 1 pager instead of needing to listen through a longish presentation for the amount of information it contained.

---

### Name not available

July 31, 2020, 8:53 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for new construction with exceptions for cooking

### Question 5

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

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### John Cordes

inside Sunnyvale

July 31, 2020, 2:17 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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### Name not shown

outside Sunnyvale

July 31, 2020, 3:10 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

Induction stove tops are amazing, heat pumps for heating and cooling are a great idea! Thank you for taking this cost-effective step to help decarbonize our building stock.

---

### Name not available

July 31, 2020, 5:38 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Not very

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- I don't think electric appliances perform as well as gas appliances
- Other - Just follow the state guidelines.

### Question 7

No response

## Bruce Euzent

inside Sunnyvale

July 31, 2020, 8:41 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- Other - More Solar. Less restrictions on Solar. Encourage simple energy saving like LED retrofits and hot water recirculating pumps

### Question 5

- Reduce greenhouse gas emissions

### Question 6

- The appliances installed in my home should be my choice
- Reach Codes would be too costly
- I don't think electric appliances perform as well as gas appliances

### Question 7

Electricity is phenomenally expensive in California. Need to bring down

the cost before making this an even more unaffordable place, Need to make So;ar easier and cheaper to do.

## Adrian Elrod

outside Sunnyvale

July 31, 2020, 9:06 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Business

### Question 6

No response

### Question 7

No response

## Name not available

July 31, 2020, 10:58 PM

### Question 1

- Yes



## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 2

- No

### Question 3

- Not very

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- I don't think electric appliances perform as well as gas appliances

### Question 7

No response

### Name not shown

inside Sunnyvale

August 1, 2020, 7:15 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Extremely

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

I like how the reach code must be proven to be cost effective \_first\_.

### Name not available

August 1, 2020, 10:33 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

**Richard Eggers**  
inside Sunnyvale

August 1, 2020, 10:39 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

Are there any provisions for helping with the installation of solar panels for single family homes?

---

## Name not available

August 1, 2020, 6:29 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

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## Name not shown

inside Sunnyvale

August 1, 2020, 7:42 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 7

I think we should also make financial incentives to reduce the use of natural gas and electricity. The tier system should be designed such that it is cost neutral for the average residence. Make it cheaper at the lowest tier but more expensive at the upper tiers. We should also try to reduce the use of energy by providing incentives to increase insulation and installing double or triple pane windows

### Name not shown

inside Sunnyvale

August 2, 2020, 7:28 AM

### Question 1

- Yes

### Question 2

- Yes

### Question 3

- Somewhat

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice
- I don't believe Reach Codes will make a difference in our greenhouse gas emissions
- Reach Codes would be too costly
- I don't think electric appliances perform as well as gas appliances
- Other - Costly all-electric is a regressive tax on those already struggling with the high cost of living here.

### Question 7

Utility bills are already too high for many. Reach Codes make the problem worse while not solving the problem they claim to solve.

### Name not shown

outside Sunnyvale

August 2, 2020, 1:50 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Lead the way for other cities to do the same.

### Question 6

No response

### Question 7

Though I'm not a resident of Sunnyvale, unlike other more locally driven issues, the issue of climate change does not know municipal boundaries so what happens in Sunnyvale does affect me.

### Name not shown

outside Sunnyvale

August 3, 2020, 8:47 AM

### Question 1

- No

### Question 2

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- No

### Question 3

- Very

### Question 4

- No Reach Codes

### Question 5

No response

### Question 6

- The appliances installed in my home should be my choice
- Reach Codes would be too costly

### Question 7

No response

## Ariel Stein

inside Sunnyvale

August 3, 2020, 10:59 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

Thank you for your work on implmenting Reach Codes in Sunnyvale! I'm glad to see Sunnyvale catching up with the rest of the Bay Area.

---

## Name not available

August 3, 2020, 3:25 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- All electric for new construction

### Question 5

- Reduce greenhouse gas emissions

### Question 6

No response

### Question 7

No response

---

## Name not shown

inside Sunnyvale

August 5, 2020, 2:23 PM

### Question 1

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

---

## Ryan Dautel

outside Sunnyvale

August 5, 2020, 4:23 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Not very

### Question 4

- All electric for new construction

- All electric for new construction with exceptions for cooking
- No Reach Codes
- Other - For existing structure, only require electric if 50% or more of building (i.e. the exterior walls and/or roof framing) is demolished.

### Question 5

- Reduce greenhouse gas emissions
- Health and Safety
- Cost savings
- Other - Improve safety, reduce emissions, and cut energy costs for NEW housing.

### Question 6

- The appliances installed in my home should be my choice
- Reach Codes would be too costly
- I don't think electric appliances perform as well as gas appliances
- Other - \*\*Too costly to retrofit EXISTING residences\*\*

### Question 7

I would NOT ban natural gas altogether, at least NOT for existing homes and appliance replacements. Doing so could place major financial hardships on families should their electrical service be insufficient, thus requiring a costly, disruptive service change. Not to mention the thousands of dollars worth of new appliances and electrical work that would be required. Lower-income families would be disproportionately impacted. What if a family can't afford all the upgrades, and either ends up without a water heater, furnace, or means of cooking? And, especially during a pandemic, the need for livable, affordable housing is greater than ever before. Think about our vulnerable children, and if they weren't able to take hot baths because their family couldn't afford the retrofit work. In summary, I do not believe families should be forced to convert their existing homes; that should be a personal choice.

---

## Name not available

August 5, 2020, 9:22 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Not very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

---

### Jean Staats

inside Sunnyvale

August 6, 2020, 12:52 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

I suggest the City invite Rod Diridon as a speaker for Sustainability Events in regard To Climate Change. Purpose of the suggestion is to raise community awareness and thus gain support for Reach Codes.

---

### Christine Pepin

inside Sunnyvale

August 6, 2020, 2:33 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

Where can I find the reach code presentation video?

---

### Name not shown

inside Sunnyvale

August 7, 2020, 8:27 AM

### Question 1

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

---

## Sandi Spires

inside Sunnyvale

August 7, 2020, 9:45 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

Some concern about grandfathering in - and providing a reasonable upgrade path - for old homes like my 1950s Eichler.

---

## Name not shown

inside Sunnyvale

August 7, 2020, 9:47 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

As a Sunnyvale resident, I think reach codes are extremely important to help make electrification equitable for renters. As a renter, I do not have

**Residential Reach Codes: City of Sunnyvale**

Sunnyvale Residential Reach Codes: Please provide your feedback.

the ability to make changes to the property that I reside in despite wanting to live in an all-electric home to help reduce my carbon emissions and have better indoor air quality. With reach codes, renters have a greater opportunity to choose all-electric buildings in the future and can benefit from better health and lower pollution levels. I highly support Sunnyvale's reach code efforts and wanted to raise my voice for the renters within Sunnyvale who do not want to endure poor indoor air quality from natural gas usage. In addition, all-electric construction costs for new buildings is significantly less costly. This cost savings can be transferred to renters to help address the housing crisis within Sunnyvale and Silicon Valley.

**Name not shown**

outside Sunnyvale

August 7, 2020, 12:53 PM

**Question 1**

- No

**Question 2**

- No

**Question 3**

- Very

**Question 4**

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

**Question 5**

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

**Question 6**

No response

**Question 7**

As an architect working in Sunnyvale, I applaud the city's CAP goals and Reach Code adoption. Eliminating natural gas from the built environment is not only affordable, it will contribute to improved health, safety, and welfare for everyone in Sunnyvale. Eliminating natural gas appliances will

have a particularly positive impact on indoor air quality and thus the health of residents.

**Galen Davis**

inside Sunnyvale

August 8, 2020, 6:49 AM

**Question 1**

- Yes

**Question 2**

- Yes

**Question 3**

- Somewhat

**Question 4**

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

**Question 5**

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

**Question 6**

No response

**Question 7**

Why is this taking so long? Other cities have already passed this.

**Steve Zornetzer**

inside Sunnyvale

August 8, 2020, 10:25 AM

**Question 1**

- Yes



## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

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## Name not available

August 8, 2020, 2:45 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions

- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - Reach Codes transform the market and will save on retrofit costs

### Question 6

No response

### Question 7

Excellent proposal to start with Reach Codes. I think they are cost effective for small additions and remodels by having them prohibit the extension of gas pipes into those areas of the home that will need to be retrofitted sooner than we think.

---

## lance scudder

inside Sunnyvale

August 8, 2020, 3:16 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- Other - All electric with no blanket exemptions would be best. Exemptions could be dealt with on a case-by-case basis.

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Other - Be a model city for other cities to see that it is possible and cost effective. (especially in other states)

### Question 6

No response

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 7

I'm happy to see panel sizing as part of first phase. I think it could encourage earlier adoption of electric vehicles. Is there a timeline for how/when to move from first phase to second phase. what are the triggers?

### Robert Whitehair

outside Sunnyvale

August 8, 2020, 5:20 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)

### Question 5

- Reduce greenhouse gas emissions

### Question 6

- I don't believe Reach Codes will make a difference in our greenhouse gas emissions

### Question 7

Reach codes are one way to attack climate change, now. If all cities worked together, the environmental impact of eliminating "natural" aka methane gas would be tremendous.

### Name not shown

inside Sunnyvale

August 8, 2020, 9:01 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

- All electric for new construction is preferred with no blanket exemptions (manufacturing, data centers, commercial kitchens). Instead, exceptions could be approved case by case by Planning Commission and/or City Council with justifications). - A 'reach' for Electric Vehicle readiness or charging infrastructure is important to include for phase 1 (multifamily and non-residential) - Kudos for including major residential remodels (>50% exterior walls removed) in phase 1 - Kudos for panel sizing calculations in phase 1 residential - Suggest to build in timelines or triggers for when to evaluate future phases for both residential and non-residential.

### Name not shown

inside Sunnyvale

August 8, 2020, 10:33 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Very

### Question 4

- All electric for new construction

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

No response

### Name not shown

inside Sunnyvale

August 9, 2020, 5:48 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Cost savings

### Question 6

No response

### Question 7

No response

### Name not available

August 9, 2020, 8:13 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

### Name not available

August 9, 2020, 9:36 AM

### Question 1

- Yes

### Question 2

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions

### Question 6

No response

### Question 7

No response

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### Name not shown

inside Sunnyvale

August 9, 2020, 11:10 AM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions

- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

For people doing major remodels or building new houses, eventually they might be driving more EV vehicles. EVs vehicles charging during the evening would be helpful since Sunnyvale is provided with 100% Clean Energy from Silicon Valley Clean Energy. This would reduce greenhouse gases and this will encourage use of EV vehicles. Please consider adding for new residential construction, additions, and major remodels a 'reach' for Electric Vehicle readiness and/or charging infrastructure beyond state mandated levels for residential new construction, major remodels, and additions in Phase 1. If you are not able to incorporate this into phase 1 then consider adding it to a later phase such as 2 or 3. Allow for a waiver process so that an applicant could request an exemption for a particular project in which the applicant would confirm that they have a need for the waiver and have reviewed the benefits of 'reach' for Electric Vehicle readiness and/or charging infrastructure beyond state mandated levels for residential new construction in Phase 1. This waiver would need approval by the Planning Commission or City Council.

---

### Ed Lau

inside Sunnyvale

August 9, 2020, 12:16 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

I think the city needs to do a better job of publicizing this initiative and soliciting feedback. I found out about it only because I saw a Nextdoor notification a few hours before the end of the response period.

### Name not shown

outside Sunnyvale

August 9, 2020, 2:56 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

To begin, I'd like to thank you for these efforts to reach for higher expectations in Climate Advocacy. It's great to see steps being taken to exceed what is needed for reach codes, but I had one issue with the proposed solution. As the demand for electric vehicles is exponentially growing in the Bay Area (last year, we saw a 6% increase in registered electric vehicle owners - San Francisco Chronicle), so should the standards that follow them. I believe that Sunnyvale should incorporate electric vehicle standards that exceed CalGREEN standards. Doing so would help ease range anxiety and would be more cost effective moving forward. I do feel we should amend the current proposition to incorporate this idea as doing so will lead to a smoother future when it comes to more and more of the population switching to environmentally-friendly electric vehicles.

### Name not shown

inside Sunnyvale

August 9, 2020, 3:35 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

Thank you to the city of Sunnyvale for catching up to the rest of the county by beginning the process of adopting reach codes. A timeline for

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

the phases of the residential reach code rollout would be helpful in evaluating the impact it can realistically make towards reaching the 56% GHG reduction by 2030 goal listed by CAP.

---

**Name not available**

August 9, 2020, 4:04 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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**Gary Bailey**

inside Sunnyvale

August 9, 2020, 4:31 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

No response

### Question 4

- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

No response

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**Name not available**

August 9, 2020, 4:59 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

**Residential Reach Codes: City of Sunnyvale**

Sunnyvale Residential Reach Codes: Please provide your feedback.

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

**Question 6**

No response

**Question 7**

Before anything else, I'd like to thank the city of Sunnyvale and Silicon Valley Clean Energy for finally starting to implement reach codes - this is a change that most surrounding municipalities have made and I can't say that I'm anything but excited and happy to see them implemented. While reading through the resources that were provided, one thing caught my eye - for the all electric mandate for remodeled homes, the threshold to consider a home "remodeled" is once 50% of all of the walls are removed/replaced. I was wondering why that threshold is so high, and if it would be possible to move that down to 25% of the walls being removed/replaced, considering that 38% of emissions related to residential areas come from construction. I feel that it would be more prudent to lower that threshold, so that we could further the carbon emission reduction within residential communities.

**Name not available**

August 9, 2020, 5:00 PM

**Question 1**

- No

**Question 2**

- No

**Question 3**

- Extremely

**Question 4**

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

**Question 5**

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

- Cost savings

**Question 6**

No response

**Question 7**

To start, I would just like to thank you for creating a detailed plan and reach codes to aim for a more environmentally-friendly community. It's important to take such action now and reduce the damage that has been built over the years. I would like to mention that both the residential and non-residential plans lack a concrete timeline for the phases, which can lead to uncertainty of how impactful the reach codes are. It was mentioned that the CAP strives to reach a 56% GHG reduction by 2030 and even 80% reduction by 2050. Stated as well was that these are ambitious goals and to achieve them, a thought out plan will be necessary. Although the phases are well thought-out, it will nice to set a timeline in which they will take place. This will lead to a more improved and set plan that can run smoother as well as guarantee a high chance and reaching the end goals.

**Name not available**

August 9, 2020, 6:04 PM

**Question 1**

- Yes

**Question 2**

- No

**Question 3**

- Very

**Question 4**

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

**Question 5**

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 6

No response

### Question 7

No response

---

### Name not shown

inside Sunnyvale

August 9, 2020, 6:07 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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### Name not shown

inside Sunnyvale

August 9, 2020, 6:13 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Extremely

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

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### Name not available

August 9, 2020, 6:21 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Somewhat

### Question 4



## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

Please pass the REACH codes. We need all cities to be on board.

## Name not shown

inside Sunnyvale

August 9, 2020, 7:22 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking
- Other - The top preference is a total ban on natural gas, but the others might be more practical.

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

- Cost savings

### Question 6

No response

### Question 7

No response

## Name not available

August 9, 2020, 7:51 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions

### Question 6

No response

### Question 7

In the presentation I would like to see data on how many metric tons of CO2 would be eliminated by the various proposals.

## Name not shown

inside Sunnyvale

August 9, 2020, 8:12 PM

### Question 1

- Yes

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

Why have a Playbook if we don't follow it?

## Mary Buxton

outside Sunnyvale

August 9, 2020, 9:03 PM

### Question 1

- No

### Question 2

- No

### Question 3

No response

### Question 4

- All electric for new construction

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

## Name not shown

inside Sunnyvale

August 9, 2020, 9:26 PM

### Question 1

- No

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

Thank you for aiming to achieve the goals of the Climate Action Playbook through these reach codes. When it comes to Decarbonizing

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

Transportation and Sustainable Land Use, I like the idea of increasing 0 emission vehicles by requiring new homes to have the capability to install electric vehicle chargers; however, I believe that some ways we can make it more inclusive to residents living in apartments is firstly, by requiring property owners to contact their electric utility to install charging for resident which further promotes the increase of 0 emission vehicles in different households. Secondly, new construction of apartments should go beyond state requirements for electric vehicle readiness in Phase 1.

**Name not shown**

inside Sunnyvale

August 9, 2020, 9:28 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Somewhat

### Question 4

- All electric for additions and alterations of buildings
- All electric for new construction with exceptions for cooking

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety

### Question 6

No response

### Question 7

I also would like to see educational opportunities for residents on switching to electric (similar to the composting classes or water use reduction classes). I thinking everything should be all electric for all new construction and renovations right away with an exemption for cooking.

**Name not shown**

inside Sunnyvale

August 9, 2020, 10:53 PM

### Question 1

- Yes

### Question 2

- No

### Question 3

- Very

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings

### Question 6

No response

### Question 7

No response

**Name not available**

August 10, 2020, 2:17 AM

### Question 1

- No

### Question 2

- No

### Question 3

- Very

## Residential Reach Codes: City of Sunnyvale

Sunnyvale Residential Reach Codes: Please provide your feedback.

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals

### Question 6

No response

### Question 7

Thank you for the inclusion of the remodel clause. The requirements of all electric appliances, photovoltaics on high rise multifamily buildings, and pre wiring for electric vehicles is much appreciated. However, I've noticed that there could be possible improvements made. It would be beneficial that the remodel clause accounted for a larger number of remodels to increase the probability of achieving the greenhouse gas reduction goals. Thank you for time and efforts.

---

**James Tuleya**

inside Sunnyvale

August 10, 2020, 7:51 AM

### Question 1

- Yes

### Question 2

- Yes

### Question 3

- Somewhat

### Question 4

- A total ban on natural gas (including outdoor use)
- All electric for new construction
- All electric for additions and alterations of buildings
- Other - Including EV requirements per SVCE model; All electric for additions and alterations of buildings with exceptions for minor alterations that are not related to the electrical system

### Question 5

- Reduce greenhouse gas emissions
- Support Sunnyvale's Climate Action Playbook goals
- Health and Safety
- Cost savings
- Other - We in Silicon Valley need to lead to show the way for other parts of CA and the U.S., since we must urgently address our Climate Crisis and it will take longer for others to move ahead.

### Question 6

No response

### Question 7

Great work to consider multiple phases needed over time to create the right framework. Great to start with All-Electric for residential homes, since our Climate Crisis is urgent and every year makes a big difference in GHGs; this will help us match/better our close neighbors in Mountain View and Cupertino, which will help the market adopt smoothly. Great idea to include requirements for electric panel readiness for the future to reduce re-work and added cost for future needs, To address the large % of greenhouse gasses from transportation, to avoid large retrofit costs in the future, and to improve climate equity for those in multifamily buildings, we must include requirements for EV infrastructure and readiness at least at the SVCE model level in Phase ONE. Include timelines and/or triggers for future phases.