



# Clark County Climate Change Planning

## Community Advisory Group Meeting #7

August 28, 2024, 5:30-8:30pm PT

Public Service Center in Vancouver, WA, and  
Zoom Webinar

*Meeting Summary*

FUNDED BY WASHINGTON'S



The WA Department of Commerce climate planning grant is supported with funding from Washington's Climate Commitment Act. The CCA supports Washington's climate action efforts by putting cap-and-invest dollars to work reducing climate pollution, creating jobs, and improving public health. Information about the CCA is available at [www.climate.wa.gov](http://www.climate.wa.gov).

## Attendees

**Community Advisory Group members:** Alana Tudela, Andrea Smith, Ann Foster, Brent Marsden, Councilor Michelle Belkot, Dave Rowe, Don Steinke, Gabriela Ewing, Janet Kenefsky, Jessica Brown, Justin Wood, Monica Zazueta, Nelson Holmberg, Nick Massie, Noelle Lovern, Sharon Ferguson, Sunrise O'Mahoney, Terry Toland, Thilo Kluth

**County staff:** Amy Koski, Harrison Husting, Jenna Kay

**Consultant team:** Sylvia Ciborowski, Nicole Metildi, María Verano (Kearns & West); Josh Proudfoot, Tracy Lunsford (Parametrix)

Number of members of the public in attendance: 9

## Welcome

Clark County and Kearns & West staff welcomed everyone to the meeting. Sylvia Ciborowski, Kearns & West, introduced Joshua Proudfoot, Parametrix. Sylvia then provided an overview of the agenda and outlined the meeting's purpose and desired outcomes:

- Gather key considerations for Greenhouse Gas (GHG) emissions reductions in the Buildings and Energy sector.
- Confirm prioritization framework.

Sylvia also reviewed meeting logistics, the availability of materials online, and the process for public comments, which would be addressed at the end of the meeting.

Sylvia asked if members had corrections for the Community Advisory Group (CAG) Meeting Summary #6. There were no suggested corrections, and the summary was accepted as-is.

## Project Updates

Jenna Kay, Clark County, provided project updates. Jenna reminded the members that meeting materials were sent ahead of the meeting, which include background information and comments from CAG members and the public. Jenna also shared that there have been two surveys open to the public in the last few weeks, one focusing on the resilience goals and one focusing on initial feedback on GHG emissions reduction priorities. The results of the surveys will be shared with all members at a future meeting. Additionally, Jenna reminded members to not “reply all” to emails.

## Greenhouse Gas Emissions Reduction Actions: Buildings and Energy

Sylvia introduced Tracy Lunsford and Josh Proudfoot, Parametrix, who spoke about Greenhouse Gas Emission (GHG) Reduction Actions and mentioned that there would be a group activity later in the meeting.

Prior to starting the GHG Emission Reduction Actions topic, a CAG member asked for the population figures for rural and urban Clark County. It was confirmed as 70,000 for rural areas and 170,000 for the urban area. Tracy noted that this information could also be found in the Greenhouse Gas Inventory Report.

Tracy reminded the group that the charge for this portion of the Climate Element is to identify GHG emission reductions in order to reduce the rate and extent of climate change damage in unincorporated Clark County. Tracy emphasized that it is important to address the reasons for why an increase in GHG emissions is occurring. Tracy shared that the consultant team is looking for CAG feedback on the potential GHG emissions reduction actions, which will help the consultant team draft, refine and analyze GHG policies for the Climate Element.

Tracy and Josh shared information about the Buildings and Energy sector, including context for the types of residential and institutional buildings that exist in the county, best practices for emission reductions, and details about emission sources.

The group had the following questions and comments:

- One member asked why manufactured and mobile homes are grouped together since they could have different energy uses.
  - *Answer: These categories are meant to help CAG members think of the different types of housing.*
- A member asked if the group was only considering mobile homes built before 1976.
  - *Answer: The data presented, which is from a community similar to Clark County, did not distinguish between manufactured homes, mobile homes, and RVs.*
- One member asked how the emissions of someone who lives in an all-electric home would be measured.
  - *Answer: The project team intends to measure the amount of greenhouse gases emitted based on how much energy a home consumes when power is generated. This would depend on how the power is generated, such as through natural gas, coal, or biomass energy.*
- A few members expressed concern that the data the group is basing their discussion on is not from Clark County. A member asked why a similar analysis is not being done for Clark County. One member shared that using data from Eugene may be harmful, especially considering that the model is from a different state with different regulations.
  - *Response: Research into the emissions of different building types has been done across cities and counties in the Pacific Northwest and has yielded consistent, similar results. A study of Clark County would likely mirror these studies, but is not within the scope of this project. The examples from other communities are intended to show some additional patterns that are not otherwise visible in the county's greenhouse gas inventory.*
- Several members commented that it would be beneficial if the figures were adjusted to be per capita rather than by the number of households. According to members, not having this information could lead to addressing issues incorrectly.
  - *Response: Household data is readily available, whereas trying to gather data by per capita would require an intensive community survey that is beyond the scope of this project.*

- Many members mentioned being confused by the data shared, which made it difficult for them to actively participate in the meeting and share their thoughts. Some members added that it would be helpful to send members more information and sources before meetings. Additionally, a few members requested that information be shared in different ways, for example through visuals, numbers, and text.
- A few members mentioned that they had no trouble understanding the topics shared and were comfortable proceeding with the materials.
- A member shared that they felt uncomfortable about data suggesting that apartment living was more beneficial for greenhouse gas reduction and noted the importance of allowing for many housing types.
- Another member shared that they agreed that owning land and living in a larger house may be desirable, but downsizing or living in a smaller house would help ensure a better future for their descendants.
- One member noted that with the passing of House Bill 1181, many other jurisdictions in Washington State will be completing similar programs and holding their own studies, will those studies be shared with us?
  - *Answer: Clark County is one of the first jurisdictions to implement HB 1181. Many other jurisdictions in WA have created climate action plans but did not do so under this legislation.*

Sylvia then asked the group if they felt comfortable continuing the conversation. The group agreed to continue the conversation.

Josh Proudfoot, Parametrix, continued the presentation by sharing context about building structures and typical institutional energy uses.

Josh and Tracy explained that the group would be breaking into smaller groups to complete an activity. Each person received a worksheet to complete, with different scenarios to consider from various perspectives. Josh asked that participants consider the following questions when completing the worksheet:

- What are the challenges, needs, opportunities for doing emissions reduction activities for this group?
- Are there any unique considerations for equity, job creation, the economy, etc.? What do you think Clark County's role could be in addressing that challenge/need/opportunity?

CAG members separated into their designated groups for discussion. The notes obtained from this section can be found in [Appendix B](#). When the members reconvened, they shared key themes from their discussions.

### **Group One**

- Discussed the importance of education and certifications for builders to promote affordable and equitable construction.
- Proposed a program for certified green builders in Clark County.
- Emphasized increasing apprenticeships in the construction industry, including second-chance apprenticeships for individuals who may be struggling to find work for various reasons.
- Addressed the need for pricing strategies that prevent rising costs from limiting community involvement and economic equality.

- Suggested helping developers identify the most efficient appliances for new housing units and encouraging renters and property owners replacing old appliances with more efficient ones when they fail.
- Discussed that Clark County could have a grant writer to get funds and help disperse those funds to the community.
- Addressed need to educate property managers how to properly operate lights, sprinklers and other property features efficiently and the importance of educating renters about how to use appliances.
- Noted the challenge that renters of multi-family housing don't always know how much water or energy they are using when utilities are included in the cost of housing.

#### **Group Two**

- Focused on the importance of education and public awareness in the builders and developers category.
- Highlighted the need for county initiatives to promote buildings that exceed energy efficiency requirements.
- Discussed educating homeowners on the return on investment for energy-efficient upgrades.
- Addressed challenges renters face in making changes to reduce their emissions.
- Suggested incentives for property owners to allow energy-efficient improvements for renters.

#### **Group Three**

- Emphasized the importance of education and outreach in promoting energy efficiency.
- Focused on effective dissemination of information and reaching specific demographics through community groups and incentive programs.
- Discussed offering educational incentives to encourage property managers to make changes that renters cannot make themselves.
- Highlighted the role of property managers in setting an example for others by making energy-efficient changes.

#### **Group Four (Online Group)**

- Noted that both utilities serving Clark County offer free energy efficiency audits for renters, property owners and managers.
- Identified challenges renters face because they are not able to give input on energy efficiency upgrades.
- Discussed the need for incentives to motivate property owners to make efficiency upgrades that benefit renters.
- Suggested that Clark County could promote such programs and support those who cannot afford upgrades.

## **Prioritization Criteria**

Sylvia introduced the prioritization criteria framework. She noted that many members submitted comments on the framework before the meeting and there was some confusion on the topic. Sylvia shared that the goal of the meeting was to confirm the criteria should move forward to analyze draft goals and policies.

Tracy reviewed the purpose and process for prioritizing policies and goals of the Climate Element and shared the list of recommended criteria. The list consisted of effectiveness, timeframe, co-benefits, cost, unintended impacts, feasibility, and authority.

The group had the following questions and comments:

- Will the EJC have an opportunity to share their opinion on the prioritized resilience and GHG emissions reductions policy lists?
  - *Answer: The EJC will look at the prioritized list and will be responsible for reviewing it with an equity lens.*
- After the EJC reviews the list with an equity lens, will the CAG be able to review it again?
  - *Answer: The CAG will be asked to address comments from the EJC in their recommendation for Council approval.*
- How will weighting of the criteria work? Will this group be giving a number to all the criteria?
  - *Answer: Yes, the CAG will provide feedback on how to weigh each criterion. The consultant team will do the prioritization analysis and apply the weighting.*
- Will the CAG be weighing each criterion individually or will the group combine the criteria and divide them by effectiveness, feasibility, and cost?
  - *Answer: The consultant team will assign a value to each policy and multiply that by the weight, which will result in a score for each policy. The confirmation on weighting will be in a different meeting.*
- Is this group being asked to voice our agreement on the seven criteria shared?
  - *Answer: That will be discussed later today.*

Tracy shared an overview of the CAG member comments received about the criteria before the meeting, noting that most members agreed that they were easy to understand and reflected the local project context. Tracy then asked the group if there were any criteria that seemed less relevant or necessary. The following comments were received:

- A member shared that there is a call from Mother Earth for collective action to create balance between human development and ecological preservation. The member expressed that including Mother Earth in the framework would be good, even though Mother Earth can be found throughout the elements that are already included.
- One member discussed that it would be interesting for the county to ensure the cost of property improvements in commercial spaces does not get passed on to renters.

Tracy also reviewed the next steps in the prioritization process.

- One member asked about the draft resilience policy list and if it would be further revised before applying the criteria.
  - *Response: The consultant team will be working off of the draft resilience policy list in the state that it is in for applying the prioritization criteria. However, there will be time to further discuss the policy list and refine what is on it. The results of the prioritization analysis will also provide additional information that can be considered in the additional policy discussions to come.*

Sylvia then asked the group if they generally supported the list of criteria. The following comments were received:

- A few members noted that they were in support of the criteria.
- There was a question about the framework and checking for understanding on how each of the criteria would be analyzed, using effectiveness as an example.
  - *Response: The analysis to be used for the effectiveness criteria was confirmed.*
- A member voiced their concerns with trusting the process and not fully understanding the information being provided and asked when the CAG would get to certain steps in the process.
- *Response: Sylvia confirmed there was interest in better understanding how the criteria would be applied. Jenna clarified that the voting on criteria today is not something we will be able to change, instead, it is giving the consultants permission to go ahead and do the analysis work, so the results can then come back to the CAG for review and consideration. A few members shared that they would like more detailed information on how the policies will be prioritized and scored in advance of weighing in on the weighting.*
- A member stated that they agree with the criteria but would like to add “rights of nature” to the criteria. Another member disagreed with this addition.
  - *Response: Adding this would be an action or policy, not a criterion for evaluating policies.*
- A member asked when they will get clarification on the criteria.
  - *Response: Parametrix will provide a description of how each criterion will be analyzed in advance of the next meeting when meeting materials go out, approximately 1-week ahead.*
- A member recalled they had suggested using the term “effort” instead of “feasibility” in the list of criteria.
  - *Response: The project team can add as a clarification in the explanation of feasibility.*

Sylvia asked the group if they felt it was appropriate to move forward with the criteria. While one member stated that they would not be okay moving forward with the criteria, they later stated that they generally agreed that the criteria should move forward. The group agreed to move forward with the criteria.

Members also had reflections on the GHG emissions activity.

- One member questioned when the group would start discussing GHG reduction key considerations and noted they had submitted feedback before the meeting based on the state’s work creating a reference list of policy ideas.
  - *Response: The project team explained that the small group discussions were intended to discuss ghg reduction considerations but hear that was not clear to CAG members.*
- One member shared their concern that they had expected to discuss implementation policies that will reduce GHG emissions at this meeting and was concerned that their GHG reduction policy ideas and pre-meeting work that they submitted before the meeting were not discussed as part of the GHG reduction key considerations topic.
  - *Response: Reading and addressing the comments takes time. All the comments will be reviewed, and the project team will map where/how they are being applied, and that information will be shared back with the group, along with a draft list of policies that the*

*project team will develop based on group feedback. The CAG member's comments were included as part of the CAG member comments in the meeting materials.*

- One member was concerned that the group is focusing on state mandates and should instead focus on Clark County.
  - *Response: The goal of this process is to develop goals and policies that will work for unincorporated Clark County, which comes from the state mandate.*
- Many members agreed that they did not understand the purpose of the worksheet activity and were not aware that they were setting climate goals. Members expressed concern that the purpose of the exercise was not explained adequately.
  - *Response: Project staff explained how GHG emissions reduction planning is different than resilience planning because the GHG emissions reduction planning needs to tie specifically to the emissions sources, while resilience is more about how individuals and communities are impacted and experience different types of situations. The activity today was supposed to collect feedback on building and energy sector GHG reduction goal and policy considerations, but staff acknowledged that they will need to rethink the approach because they are hearing from the group that was not clear.*

## Revisit Project Process

The group did not have sufficient time to discuss the project process agenda item and will revisit this topic at a future meeting.

## Public Comment

Sylvia opened the public comment period; however, no members of the public present offered comments.

## Wrap-up and Next Steps

Sylvia reviewed the next steps and noted there were none for CAG members at this time. She noted the following action items for the project team:

- Consultants will begin analyzing the draft policies using the criteria.
- The Project Team will send out information ahead of the next meeting to prepare CAG members for the prioritization criteria weighting discussion.
- The Project Team will debrief today's meeting to consider the feedback provided about what was frustrating and unclear and determine next steps.

She also shared information about the next meeting, which will be held on Wednesday, September 25, 5:30-8:30 pm.

## Adjourn

Sylvia adjourned the meeting and thanked everyone for their participation and contributions.

The meeting adjourned at 8:48 pm PT.



## Appendix A: Zoom Chat

*Below is a verbatim, unedited transcript of the Zoom webinar chat.*

17:34:44 From Maria Verano, Kearns & West, she/her to Hosts and panelists:

For Zoom technical issues, email [mverano@kearnswest.com](mailto:mverano@kearnswest.com)

17:35:38 From Maria Verano, Kearns & West, she/her to Everyone:

For Zoom technical issues, email [mverano@kearnswest.com](mailto:mverano@kearnswest.com)

17:46:36 From Gabriela Ewing to Everyone:

Could the members in the room mute their mics? There's a lot of noise on the background. Thank you

17:47:17 From Nicole Metildi, Kearns & West (she/her) to Everyone:

We'll see what we can do, Gabriela.

17:47:45 From Gabriela Ewing to Everyone:

It's better now. Thank you

17:49:02 From Nicole Metildi, Kearns & West (she/her) to Everyone:



18:21:00 From Nelson Holmberg to Hosts and panelists:

This information needs to be easily understood by the entire CAG. A one on one isn't going to help.

18:21:53 From Nelson Holmberg to Hosts and panelists:

I'm disappointed by the offline conversations. The whole CAG needs to understand this!

18:22:07 From Andrea Smiley (formerly Smith) - CAG to Everyone:

I agree

18:22:19 From Nelson Holmberg to Everyone:

This information needs to be easily understood by the entire CAG. A one on one isn't going to help.

I'm disappointed by the suggestion offline conversations. The whole CAG needs to understand this!

18:22:39 From Nelson Holmberg to Everyone:

I agree with Nick.

18:24:36 From Nelson Holmberg to Everyone:

Agreed

18:25:57 From Janet Kenefsky | GVChamber to Maria Verano, Kearns & West, she/her (direct message):

The mic is off of who is talking.

18:26:12 From Ann Foster to Hosts and panelists:

Yes, it is difficult to understand for me, not because Parametrix is doing a poor job because it is new to me. I trust this process and our abilities to learn and make progress. I agree that we all have to understand, but we can do that. Sorry, some of the group does not feel capable of understanding.

18:27:59 From Nicole Metildi, Kearns & West (she/her) to Everyone:

Ann Foster: Yes, it is difficult to understand for me, not because Parametrix is doing a poor job but because it is new to me. I trust this process and our abilities to learn and make progress. I agree that we all have to understand, but we can do that. Sorry some of the group does not feel capable of understanding.

18:28:45 From Ann Foster to Everyone:

Ann Foster: Yes, it is difficult to understand for me, not because Parametrix is doing a poor job because it is new to me. I trust this process and our abilities to learn and make progress. I agree that we all have to understand, but we can do that.

18:29:18 From Alana Tudela (She, Her) to Everyone:

This will be difficult to understand for the communities who have language barriers and who are greatly affected by this.

18:43:55 From Nicole Metildi, Kearns & West (she/her) to Everyone:

We will be back at 6:50p

18:50:59 From Maria Verano, Kearns & West, she/her to Hosts and panelists:

Here is the link to the folder where you can find your worksheet.  
[https://drive.google.com/drive/folders/1gQgrh5u5HGNoaYBkZ1LpyvmSuS\\_r2-Cz?usp=drive\\_link](https://drive.google.com/drive/folders/1gQgrh5u5HGNoaYBkZ1LpyvmSuS_r2-Cz?usp=drive_link)

18:51:18 From Tracy Lunsford, (she/her) Parametrix to Hosts and panelists:

Please find the worksheet with your name on it

18:53:16 From Andrea Smiley (formerly Smith) - CAG to Maria Verano, Kearns & West, she/her(direct message):

Should I just make one with my name?

18:53:51 From Maria Verano, Kearns & West, she/her to Andrea Smiley (formerly Smith) - CAG(direct message):

let me create one for you. give me one minute

18:53:58 From Andrea Smiley (formerly Smith) - CAG to Maria Verano, Kearns & West, she/her(direct message):

Thank you

18:55:36 From Andrea Smiley (formerly Smith) - CAG to Maria Verano, Kearns & West, she/her(direct message):

can you resend the link? switched to a laptop and lost the chat/link

18:56:15 From Maria Verano, Kearns & West, she/her to Hosts and panelists:

Here is the link to the folder where you can find your worksheet with your name.  
[https://drive.google.com/drive/folders/1gQgrh5u5HGNoaYBkZ1LpyvmSuS\\_r2-Cz?usp=drive\\_link](https://drive.google.com/drive/folders/1gQgrh5u5HGNoaYBkZ1LpyvmSuS_r2-Cz?usp=drive_link)

18:57:57 From Maria Verano, Kearns & West, she/her to Andrea Smiley (formerly Smith) - CAG(direct message):

It should be available now. Please let me know if you do not see it.

19:01:32 From Alana LG Tudela to Everyone:

Me too Alana

19:29:53 From Nick Massie to Hosts and panelists:

Hi Ann

19:30:43 From Nick Massie to Hosts and panelists:

Good thanks. I miss you being here!

19:47:17 From Gabriela Ewing to Everyone:

I shared my notes. Please let me know if you didn't get them. Thank you

19:47:47 From Nicole Metildi, Kearns & West (she/her) to Everyone:

I am seeing your notes in the worksheet, thank you Gabriela!

19:48:13 From Gabriela Ewing to Everyone:



19:52:38 From Gabriela Ewing to Everyone:



20:15:31 From Ann Foster to Everyone:

I am in agreement with the prioritization list.

20:31:26 From Gabriela Ewing to Everyone:

I'm in agreement with the criteria

20:35:38 From Maria Verano, Kearns & West, she/her to Everyone:

CAG webpage: <https://clark.wa.gov/community-planning/community-advisory-group>

Project webpage: [clark.wa.gov/community-planning/climate-change-planning](https://clark.wa.gov/community-planning/climate-change-planning)

Project contact: Jenna Kay, [jenna.kay@clark.wa.gov](mailto:jenna.kay@clark.wa.gov)

## Appendix B: Worksheets



### Greenhouse Gas Emissions Reduction in Unincorporated Clark County Buildings and Energy

The following worksheet is provided to take notes and to jot down ideas for participating in the discussion. See reverse side for building types, primary emissions sources and best practices for emissions reductions to consider. We will ask you to turn in these sheets with your notes.

Audiences	What do individuals and organizations need in order to learn about and access the emissions reduction actions? Consider all building types.	What are equity considerations? Consider: overburdened populations, job creation, wealth building, etc.	How can Clark County help? Consider the County's role: act, support, convene.
Renters		requirement for builders to plant shade trees at apartments. Properly locate the	trees to provide shade on the bldg & parking lot Trees may be already required but not located
Property Managers		<ul style="list-style-type: none"> <li>• upgrade thermostats</li> <li>• upgrade weatherization on older apartments</li> </ul>	are to provide shade
Owner-Occupants			<del>Exhaust</del>
Builder / Developer		requirements see above @ renters	



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Renters	Overview of available help. List of items that reduce GHG. - LED light - Insulation - smart Therms		TAT breaks incentives - green building certification = TAT breaks
Property Managers			
Owner-Occupants	Dlya - Cost -		
Builder / Developer	Federal Loan Program		



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Audiences	<b>What do individuals and organizations need in order to learn about and access the emissions reduction actions?</b> Consider all building types.	<b>What are equity considerations?</b> Consider: overburdened populations, job creation, wealth building, etc.	<b>How can Clark County help?</b> Consider the County's role: act, support, convene.
Renters	Heat exchangers Ventilation each unit metered Efficient Appliances		Support Funding Hire Grant writer
Property Managers	Advertise Benefits Thermostat Smart		Apprentices
Owner-Occupants	The Climate Commitment Smart Thermo		Hire Grant writer
Builder / Developer	All electric cheaper to build 15 year horizon costs relative to price of	Affordability externalities Health I	

pay <sup>energy</sup> to externalities



Monica Zazueta



## Greenhouse Gas Emissions Reduction in Unincorporated Clark County Buildings and Energy

all day - I barely have time to think about

I can't do it I can't live there  
 I can't do it I can't live there  
 I can't do it I can't live there

The following worksheet is provided to take notes and to jot down ideas for participating in the discussion. See reverse side for building types, primary emissions sources and best practices for emissions reductions to consider. We will ask you to turn in these sheets with your notes.

my life & everything I need to do.

Audiences	What do individuals and organizations need in order to learn about and access the emissions reduction actions? Consider all building types.	What are equity considerations? Consider: overburdened populations, job creation, wealth building, etc.	How can Clark County help? Consider the County's role: act, support, convene.
Renters	- Reminders - Paper/sticky notes Remember - what you do today affects your pocket book & future generations		(Require) to stay within our Planetary boundaries. Biomimicry. Second chance apprenticeship. Felons (not child molesters) no licence colorful past.
owns Property Property Managers & leases Residential or commercial			
Owner-Occupants	LAND taken over by original natives No body owns the land - this is a construct		
Builder / Developer	Education on building different housing help with licences	building paying for business	business

generations.  
 future generations.  
 Ask yourself if you would be proud to have your children be like you.

Ask yourself (would you want to live here at this price?)





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Audiences	What do individuals and organizations need in order to <u>learn about</u> and <u>access the emissions reduction actions</u> ? Consider all building types.	What are equity considerations? Consider: overburdened populations, job creation, wealth building, etc.	How can Clark County help? Consider the County's role: act, support, convene.
Renters	* education & outreach diff methods Incentives Nest, electricity monitoring etc	Community group outreach w/ stipends esp. helpful for language barriers	incentives Grant writing assistance GHG program confusing currently
owners Property Managers	Information that is easy to understand	offer low GHG homes <del>at the same price</del>	Grants
Owner-Occupants			energy audit in home w/ blowers <del>but</del> for example @am Do not remember what it is called but they hooked up a blower to door to see where weatherization is need
Builder / Developer	fits all categories		Green Bldg codes?



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Renters			(could be requirement)
Property Managers			
Owner-Occupants	<ul style="list-style-type: none"> <li>• Homeowners energy efficiency class</li> </ul>	ROI	
Builder / Developer	<ul style="list-style-type: none"> <li>• Low impact developments</li> <li>• edible open space</li> </ul>		



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Renters	Advocate "Nest" thermostat	wind	Window replacement to help Renters' utility bills
Property Managers	gas: car blower vs electric Leaf Blower	Leaf Blower	
Owner-Occupants	window replacement		window replacement reimbursement (Tax or rebate)
Builder / Developer	Install Vehicle charging plug Solar panel on new building		



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Renters	EASY ACCESS TO RELIABLE INFORMATION. OUTREACH PROGRAMS MAIL/SOCIAL MEDIA		MULTI LANGUAGE OUTREACH BUILDING TRUST
Property Managers	CONVERT TO ELECTRIC MAINTAINABLE EQUIP.		PROMOTE EFFICIENT ENERGY PRACTICES FOR TENANTS
Owner-Occupants			
Builder / Developer	MORE OPTIONS FOR DIFFERENT BUDG. MATRIEXES THAT OFFER POTENTIALS FOR COST + GHG REDUCTIONS INCLUDE MORE NATIVE VEGGATION		GREEN BLDG CODE TO CODE APPLICANTSHIP/PAY





## Greenhouse Gas Emissions Reduction in Unincorporated Clark County Buildings and Energy

The following worksheet is provided to take notes and to jot down ideas for participating in the discussion. See reverse side for building types, primary emissions sources and best practices for emissions reductions to consider. We will ask you to turn in these sheets with your notes.

Audiences	What do individuals and organizations need in order to <u>learn about</u> and <u>access the emissions reduction actions</u> ? Consider all building types.	<sup>affordability</sup> What are equity considerations? Consider: overburdened populations, job creation, wealth building, etc.	How can Clark County help? Consider the County's role: <u>act</u> , support, convene.
Renters	renters probably won't be proactive - someone knowledgeable needs to reach out to them - renters need to be <u>given</u> information, not seek it		<u>support</u> - actively provide information to all - how? issue of trust
Property Managers	set a strong, positive environmental example		incentives promotions grants
<u>Owner-Occupants</u>	long-term perspective benefits of going green - how to get the information to the people «require educational classes for home buyers»		
<u>Builder / Developer</u>	de-emphasize short-term profits - how?		

Point of view

\* environmental / climate change education in schools \*



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Renters	<p><i>remove in orientation information sheet</i> <del>automated</del></p>	<p><i>Renting is the least affordable and predictable. Does not provide opportunity for building wealth</i></p>	
Property Managers			
Owner-Occupants			
Builder / Developer		<p><i>affordability</i></p>	

*Tunnel*



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<b>Renters</b>	ability to make modifications to their unit and/or use temporary window AC units  energy audits	overburdened communities often cannot afford the portable AC units that are less efficient and more expensive to operate	Pass an ordinance disallowing aesthetic bans on window AC units
<b>Property Managers</b>	information on grants or funding available  energy audit	overburdened communities may be displaced if too many upgrades are completed too fast (rent increases)	support financial programs / grants to make weatherization possible when financially infeasible
<b>Owner-Occupants</b>	energy audit  information on weatherization grants	more energy audit-type jobs will be available	support financial programs / grants to make weatherization possible when financially infeasible and/or at the point of equipment malfunction/replacement
<b>Builder / Developer</b>	access to capital to facilitate added costs from more efficient appliances that are not necessarily cost-effective at the first point-of-sale	more energy consulting and financial jobs will be available	support financial programs to reduce cost to build new homes with high efficiency appliances



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<b>Renters</b>	Updating the buildings to be insulated, windows replaced and ensuring the doors don't have cracks that allow heat or cold leaks. Energy efficiency appliances.	Having more energy efficient buildings. Roofs, paint, insulation.	Ensuring the renter updates the buildings and that materials are up to code.  Free energy audits
<b>Property Managers</b>	Update the buildings to have windows and insulation in the units.	Implement a more inclusive system to support the replacement or updating systems in the home. Looking at gross income and other ways people can have a way to afford updates.	Free audits and recommendations of electric efficiency appliances. Thermal energy systems for heating and cooling.
<b>Owner-Occupants</b>	Updating windows and doors to prevent heat and cold leaking. Tankless water heater. Install mini split systems	Have a coupon, incentive system to help the homeowner to make the upgrades.	Providing free energy audits and recommendations.  Help spread the word about utilities programs
<b>Builder / Developer</b>	The use of green materials, implement low energy system usage.	Solar panels on new construction.	





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<b>Renters</b>	Conduct a free energy audit for your dwelling by Clark PUD. Understand where energy efficiency can be improved. Take advantage of energy star rebates on appliances.	Renters are not always able to purchase and replace large appliances.	
<b>Property Managers</b>	Shift all lighting to LED. As built in appliances fail, replace with energy star appliances.		
<b>Owner-Occupants</b>	Conduct a free energy audit for your dwelling by Clark PUD. Understand where energy efficiency can be improved.		
<b>Builder / Developer</b>	Build with energy efficiency as a key metric. Incorporate shade/sun in landscape design.		