

CITY OF CHARLOTTESVILLE, VIRGINIA  
CITY COUNCIL AGENDA



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|------------------|---|
| Agenda Date:     | May 6, 2019   |
| Action Required: | Vote on Resolution  |
| Presenter:       | Susan Elliott, Climate Protection Program Manager   |
| Staff Contacts:  | Susan Elliott, Climate Protection Program Manager<br>Kristel Riddervold, Environmental Sustainability and Facilities Development Manager<br>Paul Oberdorfer, Director of the Department of Public Works |
| Title:           | <b>Update on City's Global Covenant of Mayors Commitment:<br/>Draft Recommendations for a New GHG Reduction Goal &amp; Key<br/>Focus Areas for Phase 3</b>  |

**Background:**

This report provides an update on the June 2017 commitment by City Council to the [Global Covenant of Mayors](#) (the Covenant) as part of a [Response to the U.S. Withdrawal from the Paris Climate Agreement](#). The commitment built on previous commitments and existing efforts of the City through its [Climate Protection Program](#). The most recent update was presented to City Council on [November 19, 2018](#) and included a proposed timeline for community engagement and consideration of a new greenhouse gas emissions reduction goal for the City.

*Review of Timeline and Activities*

From February 14 – March 17, 2019, staff solicited direct input from the community on a new greenhouse gas (GHG) reduction goal. Community members could completed an online questionnaire with a set of questions and an open response option or could contact staff directly. The online questionnaire provided information regarding what the City aimed to achieve with this process and points of reference from the Intergovernmental Panel on Climate Change's (IPCC) October 2018 findings and data from [Charlottesville's 2016 greenhouse gas inventory](#).

Following this report to City Council, a second period for public input will be open through May 31, 2019 for community response and further input on the draft reduction goal recommendations (presented below). Staff is aiming for the first Council meeting in July to propose a reduction goal for adoption, which will be before the July 10, 2019 reporting deadline for the Covenant of Mayors.

*Community Input – First Comment Period February to March 2019*

From February 14<sup>th</sup> through March 17<sup>th</sup>, staff received 142 responses to the online questionnaire and three community letters signed by 41 for-profit and non-profit businesses, 7 independent schools, and 827 residents of whom 422 live in the city. The full responses are included here as Attachments 1-4. Summaries of the input received and additional information from staff are shared below:

### *Goal Alignment with Albemarle County and the University of Virginia*

Over 80% of respondents felt it was important or very important (66%) to align the GHG reduction goals of the City, County, and UVA. [County staff](#) have recommended a 45% reduction by 2030 and net zero by 2050. UVA expects to meet its reduction goal of 25% by 2025 ahead of schedule and is now in the process of setting a new climate target.

### *Reflection of the IPCC Recommendations*

Over 90% of respondents felt it was important or very important (83.8%) for the City's reduction goal to reflect the IPCC recommendations. The most recent [IPCC report](#) supports global efforts at the local level to limit global warming to 1.5°C as compared to 2°C, or more. Limiting warming to 1.5°C would help limit the negative effects of climate change and would reduce environmental harm, but would not maintain the same climate conditions and environmental state as we currently experience. To limit global warming to the 1.5°C level, the IPCC recommends aiming for 45% GHG reduction by 2030, based on 2010 emissions levels, and net carbon zero by 2050. All three community letters expressed support for this “best-in-class” two-part goal.

### *Importance of Charlottesville as a Leader*

Respondents felt it was very important for Charlottesville to be a leader in its GHG reduction goal within Virginia and within the USA, and important to very important to be a leader compared to international communities. The Charlottesville Climate Collaborative (C3) shows a map of [climate goals around the southeast](#). Richmond, Blacksburg, Roanoke, and Alexandria have goals of an 80% reduction by 2050. [Washington DC](#), amongst others in the country, has set a goal of 50% by 2032 and carbon neutral by 2050.

### *Interim Targets within the Overall Goal*

Respondents felt it was very important to have interim targets within the overall goal. A two-part goal of carbon neutrality by 2050 with an interim goal of 45% reduction by 2030 would be in alignment with this interest. Additional interim targets can be assessed during Phase 3 of the Covenant commitment while developing a Climate Action Plan.

### *Pacing Reductions*

When asked how the total amount of reductions should be distributed over the timeline for the goal, the majority of respondents were in favor of a greater amount of reductions at the beginning and tapering off towards the end. This can also be referred to as ‘front-loading’. A goal of carbon neutrality by 2050 from a 2010 baseline (e.g. over 40 years) with a goal of a 45% reduction goal by 2030 (e.g. over 20 years) would not be considered ‘front-loaded’ but would communicate value in exceeding the 2030 target.

### *Identification of Sub-Goals*

Respondents felt it was very important to have sub-goals for individual sectors within the community GHG emission profile (ex. residential, commercial, etc.) and for types of strategies (ex. renewable energy, energy efficiency, etc.). These responses help to indicate a desired level of analysis and detail to be addressed in the development of a Climate Action Plan.

### *Addressing Equity*

Respondents felt it was very important that both the City's GHG reduction goal and the climate action strategies in the Climate Action Plan specifically address equity. These responses will help to inform the evaluation of strategies for the Climate Action Plan and confirm that – like [the three pillars of sustainability](#) – the Charlottesville community sees a successful climate action

effort as one that embraces multiple core values. Such considerations could range from the broader scope of environmental justice to consideration of effects on individual households. For example, [a 2016 review](#) of the amount households pay for their energy – also known as the “energy burden” – in 48 major U.S. metropolitan areas found that:

- Low-income households had to dedicate up to three times as much income to energy costs as do other, higher-income households (7.2 percent compared to 2.3 percent)
- Low-income households experienced the highest median energy burden (7.2 percent), followed by African-American households (5.4 percent), low-income households living in multifamily buildings (5.0 percent), Latino households (4.1 percent), and renting households (4.0 percent)
- Experiencing high energy burdens can greatly affect the mental and physical health of families by increasing financial stress, cases of asthma, respiratory problems, heart disease, arthritis, and rheumatism. Children and the elderly are most susceptible to these health impacts caused by improperly heated or cooled homes
- If low-income housing stock were brought up to the efficiency level of the average US home, this would eliminate 35 percent of the average low-income energy burden of low-income households. For African-American and Latino households, 42 percent and 68 percent of the excess energy burden, respectively, would be eliminated

#### *Measurements & Accountability*

The three community letters all ask for a commitment to conducting a greenhouse gas inventory every two years track progress towards our goal. When undertaking the most recent greenhouse inventory, staff made efforts to improve the process for future inventories. Data tracking and metrics will need to be a well-thought out element in the Climate Action Plan.

#### *The Importance of Funding and Financing*

The community letter from the for-profit and non-profit organizations also included support for financing mechanisms that support and further the private sector’s ability to invest in local renewable energy and energy efficiency projects to reduce the commercial sector’s emissions. Staff agrees that identification of accessible and effective funding strategies is essential to overcoming upfront financial barriers for climate action strategies in the commercial sector as well as in the residential sector.

### **Discussion:**

Evidence for climate change being human-driven has reach a [“gold standard” level](#), which is the same threshold used to confirm discoveries such as gravitational waves and the Higgs boson subatomic particle, a basic building block of the universe. The most recent IPCC report, which took two years to develop and references 6,000 works, lays out the scientifically-based challenge that communities and governments face. News articles, such as [this one by the Guardian](#), attempt to capture some of the key highlights:

- the world has already warmed by 1 degree Celsius (1C), and we are experiencing the effects of climate change;
- while only 0.5 degrees different, the impacts to ecological and social systems of our world will be substantially improved if we can limit warming to 1.5C as opposed to 2C;
- pathways to limiting the amount of warming have been identified, but they are not achievable under current commitments;
- commitments of 45% reduction by 2030 from 2010 levels and carbon neutral by 2050 are in alignment with a 1.5C warming limit

Responses from the community indicate acknowledgement of the challenge ahead and interest in pursuing goals and actions that are proportional to the challenge.

Staff recommends that the City of Charlottesville adopt a new GHG reduction target that represents leadership in the topic of climate change and adequately responds to the challenges of climate change in both scale and timeline. Given the use of new inventory protocol standards as part of the Covenant commitment and recommendations from the IPCC that reference 2010 as a baseline emissions year, staff also recommends that the City maintain comparison to its 2000 inventory for reference, but establish its 2011 inventory year as the basis for emissions reductions.

**As a draft recommendation, staff proposes that the City of Charlottesville adopt a 45% reduction by 2030 interim target, from its 2011 inventory year, and the goal of carbon neutrality by 2050.**

A precise path from the City's 2016 emissions inventory to carbon neutrality in 2050 is not currently clear. There is wide-spread recognition that carbon capture and sequestration will need to be part of the strategy globally to limit warming, and investments are being made to further the potential and understanding of these strategies ([DOE \\$20 million investment](#), [H.R. 763](#), [Washington DC Carbon Neutrality Strategy](#)). The level of advancement that has been made in energy storage and renewable energy technologies over the past 10 years speaks to the potential for further technological advancement in this area over the next 30 years.

Accompanying this reduction goal would be direction to develop a Climate Action Plan that focuses clearly on the 2030 interim target and incorporates periodic reviews to track and integrate new developments in technology and strategies that develop. Similarly, as staff begin to consider how to structure and develop a Climate Action Plan to meet Phase 3 of our Covenant commitment, staff seeks direction from Council regarding four key focus areas, three of which relate specifically to the city's three largest emissions sectors. Confirmation from Council in support of these four focuses will help inform staff's direction of time and resources over the coming months and will provide confidence to the community that these areas will be addressed in the plan.

As such, staff has drafted a proposed resolution and welcomes Council's comments on the draft recommendations for a new emissions reduction goal and key focus areas for the climate action plan.

#### **Alignment with City Council's Vision and Strategic Plan:**

These efforts are in alignment with City Council's Green City Vision, the Strategic Plan: Goal 3 – A Beautiful and Sustainable Natural and Built Environment; and the Comprehensive Plan: Chapter 4 (and as proposed in the 2018 update).

#### **Community Engagement:**

City staff discussed the public input process during focus group sessions with community groups that are "climate mission aligned" in the fall of 2018. Based on their input, staff have pursued the public input timeline and opportunities as described above. In addition, sustainability staff from the City, County, and UVA, recognizing that all three organizations are undertaking climate action planning and goal setting concurrently, are working together to coordinate on community engagement. We have set up a joint landing page website – [climateactiontogether.org](http://climateactiontogether.org) – as a central landing point for information about climate action planning locally. Through this webpage, each organization's

website, press releases, and social media, we are promoting opportunities for community engagement. City and UVA staff participated in the County's Climate Open House event on March 18<sup>th</sup>, City and County staff co-presented at the March Sierra Club Chapter meeting, and City, County, and UVA staff have participated in community events and tabling opportunities in April that were organized in honor of Earth Day. Additional joint efforts are anticipated.

**Budgetary Impact:**

Funds have already been appropriated as part of the Fiscal Year 2018 budget within the Environmental Sustainability Division cost center to be used for this purpose.. No additional budgetary impact.

**Recommendation:**

Staff recommends consideration of the proposed GHG reduction goals and support for conducting a second period for public input (to run through May 31). Staff also recommends adopting the proposed resolution identifying four key focus areas to be addressed by the Climate Action Plan.

**Alternatives:**

Council can modify the proposed GHG reductions goals for consideration. Council can also amend the proposed resolution or not adopt it.

**Attachments:**

1. Online Community Input Questionnaire Responses
2. Community Letter: For-Profit and Non-Profit Organizations
3. Community Letter: Private Schools
4. Community Letter: Citizens
5. Resolution Identifying Four Key Focus Areas for Phase 3

# Setting a GHG Reduction Goal - Community Input

## Welcome!

Our region has a history of commitments to sustainability and climate action. The community's input has consistently been an important part of the process that informs policy goals and future actions. We hope that you will engage in this and other upcoming public comment opportunities to help advance climate action in our region.

## What are we aiming to achieve?

The City of Charlottesville first committed to greenhouse gas reductions by joining the U.S. Mayors Climate Protection Agreement in 2006. This commitment was most recently renewed in 2017 when Charlottesville committed to joining the Global Compact of Mayors (since renamed to the Global Covenant of Mayors). We are currently in Phase 2 of that commitment, where we will set a new greenhouse gas (GHG) reduction goal and assess climate vulnerabilities.

## Where can I get more information?

Information on the City's Climate Protection Program and progress its Global Covenant of Mayors commitment can be found at [www.charlottesville.org/cpp](http://www.charlottesville.org/cpp)

Information on concurrent climate action processes during 2019 in the Charlottesville-Albemarle-UVA region is available at [www.climateactiontogether.org](http://www.climateactiontogether.org)

## Demographic Questions

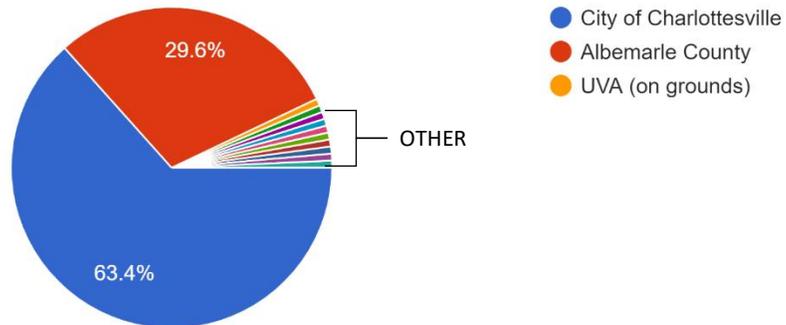
Please answer the following two questions for demographic purposes. Responses to this form will be incorporated in the City of Charlottesville's GHG reduction goal setting process and will be shared for informational purposes with Albemarle County and UVA Sustainability staff members.

## Online Questionnaire

1)

Where do you live?

142 responses



Other Responses:

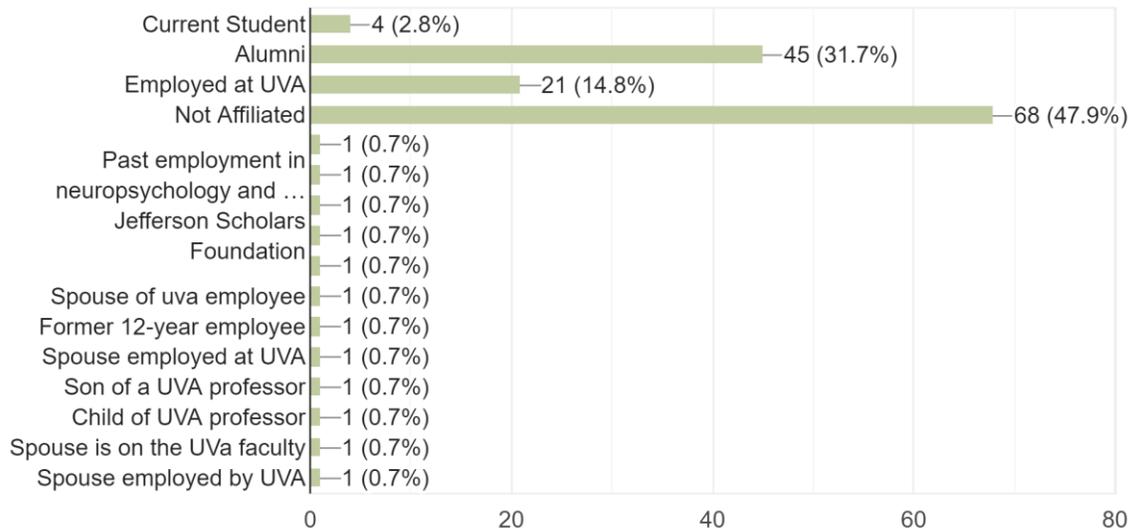
|  |
|--|
| Fluvanna   |
| Fluvanna   |
| Fluvanna County  |
| Formerly resident of Waynesboro  |
| I live and work and have intercourse and enterprise across all these jurisdictions |
| Nelson County  |
| Palmyra  |
| Southern Maryland  |
| Waynesboro   |

## Online Questionnaire

2)

How are you affiliated with UVA? (check all that apply)

142 responses



## GHG Reduction Target Questions POINT OF REFERENCE - IPCC Report

A recent report by the Intergovernmental Panel on Climate Change (IPCC) recommends efforts at the local level to limit global warming to 1.5°C compared to 2°C, or more. (IPCC REPORT:

<https://www.ipcc.ch/sr15/>)

Two key messages of the report are:

- we are already seeing the consequences of 1°C of global warming through more extreme weather, rising sea levels and diminishing Arctic sea ice, among other changes, and
- a number of climate change impacts could be avoided by limiting global warming to 1.5°C, as compared to earlier recommendations of 2°C.

The report acknowledges that actions to limit global warming to the 1.5°C level are underway, but need to be greatly accelerated and aimed at a 45% GHG reduction by 2030, based on 2010 emissions levels, and net zero carbon by 2050.

## POINT OF REFERENCE - CHARLOTTESVILLE GHG REDUCTIONS

Charlottesville achieved a 2% GHG reduction from 2000-2011, and an additional 21% GHG reduction from 2011-2016.

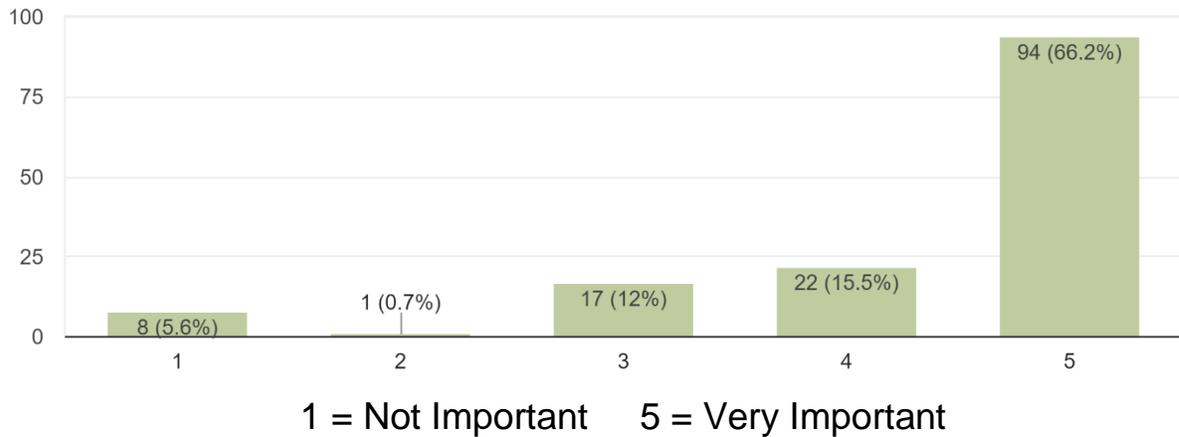
## Online Questionnaire

To help inform a Charlottesville GHG reduction goal proposal, please tell us:

3)

How important do you feel it is to align the GHG reduction goals of the UVA, Albemarle County, and City of Charlottesville?

142 responses

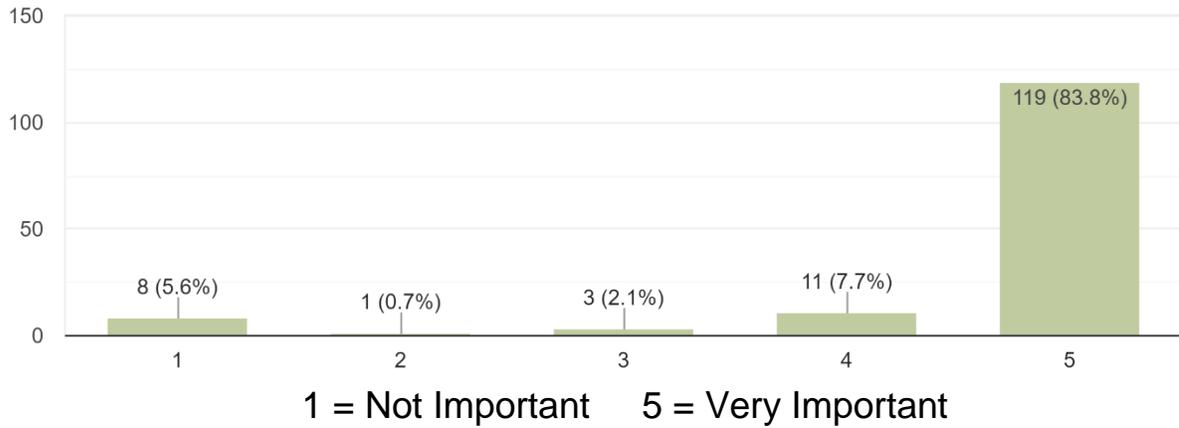


## Online Questionnaire

4)

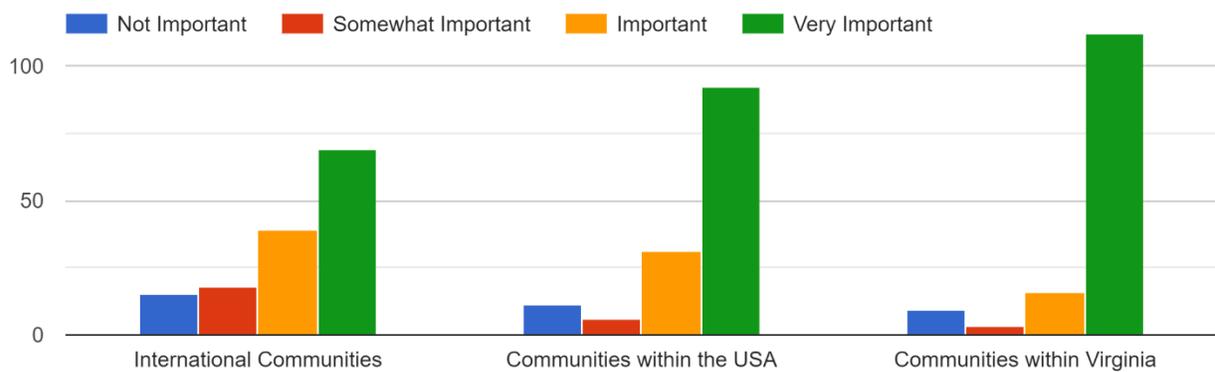
How important is it to you that the GHG reduction goal reflect the IPCC recommendations?

142 responses



5)

How important is it to you that Charlottesville be a leader in its GHG reduction goal compared to:

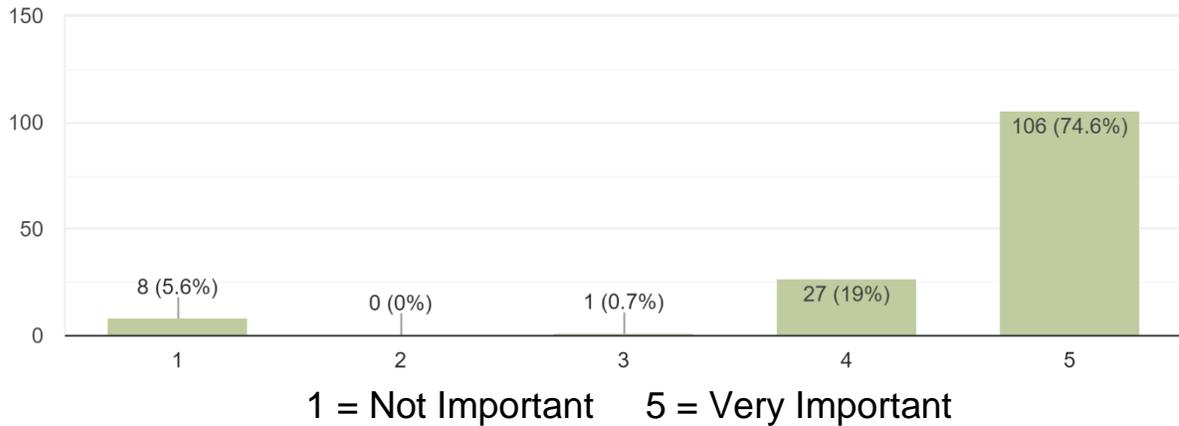


## Online Questionnaire

6)

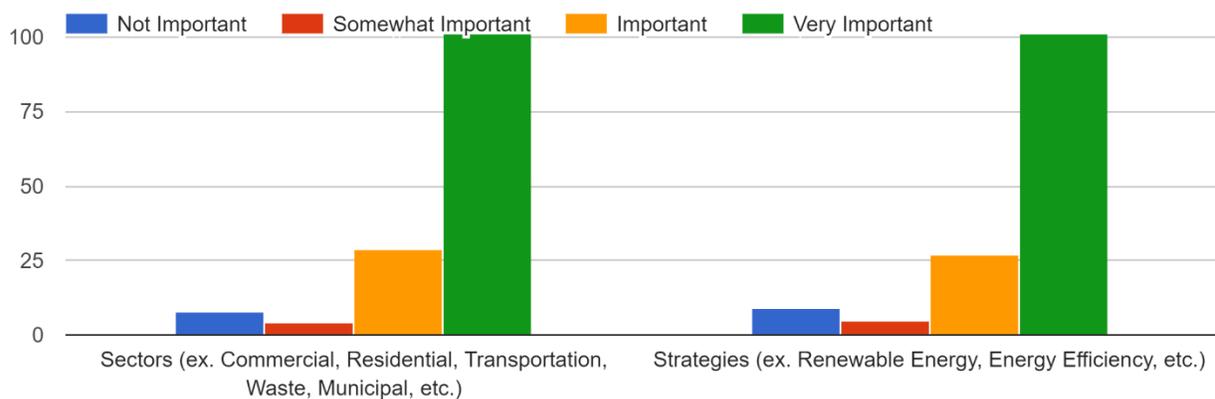
How important do you feel it is for Charlottesville's GHG reduction goal to have interim targets within the overall goal?

142 responses



7)

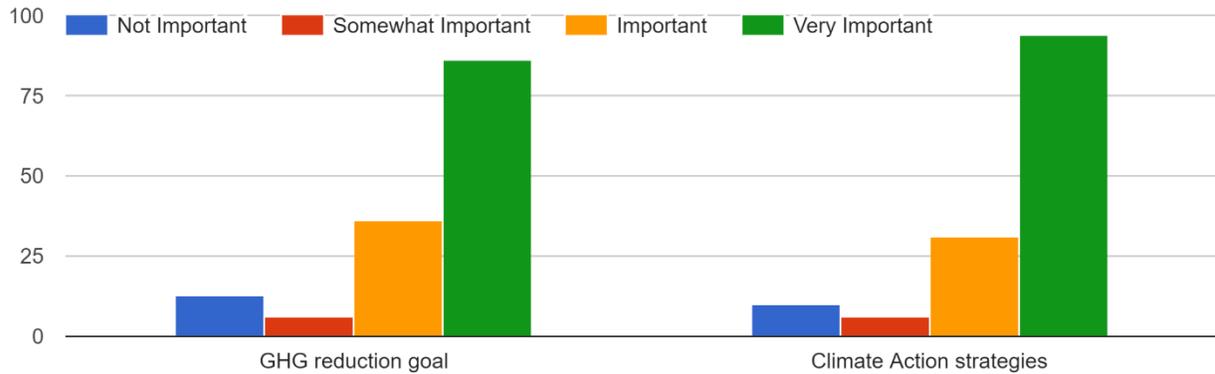
How important do you feel it is for Charlottesville to identify sub-goals for its community sectors or specific strategies?



## Online Questionnaire

8)

How important is it to you that Charlottesville specifically address equity in its GHG reduction goal and climate action strategies?

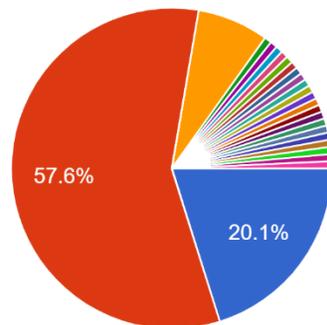


## Online Questionnaire

9)

In regards to pacing, how should Charlottesville aim to achieve its new GHG reduction goal? For example, if Charlottesville adopts a 30-year GHG reduction target, should it:

139 responses



- 20.1% Aim to reduce an equal amount every 10 years
- 57.6% Aim to reduce a large amount over the first 10-15 years and a smaller amount after that
- 7.2% Aim to reduce a small amount over the first 10-15 years and a larger amount after that
- 15.1% Other

### Other:

Climate Change is an interplanetary issue -- NASA reports show that all of the planets in the solar system are heating up little by little from the inside, so as much as we think we are to blame -- we cannot prevent this shift since it is happening from within the Earth itself, not as a direct result of any thing humans are doing. Granted we should move to tidal power, solar power, wind power, geothermal, piezoelectric, and other new energies and remove these archaic and dirty fossil fuels. But making a city-wide mandate is pointless and shows a myopic outlook

hard to understand this one

I think Charlottesville should make a GHG reduction goal that grows a certain percentage each year. Incremental change.

If we don't wish to pay the social and economic costs associated with climate change, we should move as swiftly as possible. I would say goals of a massive change, especially with regard to corporate GHG in the next 5 years.

Let the free market work

Let's do it as quickly as possible we have the technology now.

Make steady progress

No need to waste money on this at all

rental properties and renters and multi-family properties and their owners in the City should be the focus of REDUCING A LARGE AMOUNT one the first 10 years because these are the MOST TRANSIENT, the MOST POLLUTING/WASTE generating communities, THE LEAST LIKELY to invest in infrastructures, systems, and practices to reduce GHG

Set 2 year goals with built in measurement.

Solve the current problems at hand before tackling the frivolous ones.

This is a waste of time and resources

## Online Questionnaire

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| This really is unnecessary.   |
| Whatever makes the most sense. In theory, if you could implement projects like wide-scale composting in restaurants and public spaces, you would have a big GHG reduction impact, and it could snowball from there. There should be a long-term focus to make sure goals are being met in a practical way.        |
| You can't do enough. LARGE AMOUNTS ALL THE TIME.  |
| reduce a large amount over the next 10 to 15 years to initiate the energy devoted to the process similar to when recycling was introduced in the 80s and community members slowly developed a pattern and a habit of being conscious of recycling and then continue large amounts of reduction from there on out. |
| 30 years is too long. We need a huge amount in the next 10 years (>80% or nearly total), and continued reduction after that (remaining <20%).   |
| aim to keep reducing larger amounts   |

### 10) Is there anything else you would like to share with us?

|  |
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| (not sure if this is on the next page) but would be great to solicit ideas from the public on what specifically the City/County could do to meet their goal.   |
| 15 years is too late.  |
| ABSOLUTELY NO STUDIES. ACTIONS ONLY. DO IT.  |
| Also, please consider banning plastic bags in Albemarle County.  |
| An awareness program should be implemented concerning Stratospheric Aerosol Spraying. 20% reduction now greatly effects Solar Energy production.   |
| An urban tree revitalization program would add beauty as well as reduce CO2.   |
| As a scientist, it is clear to me that the climatological, meteorological, geological, and hydrological, and biological data all suggest that broad, substantial action is needed as soon as possible. Besides working to reduce greenhouse gas emissions, it would be very wise to begin factoring and building resiliency into all present and future design and infrastructure considerations, to buffer our community against inevitable disruptions from extreme climate events. And inasmuch as history shows us that these kinds of events disproportionately impact poor and marginalized communities, these are matters not just of environment but of equity, as well. The good news is that there are communities well ahead of ours that have proven that it's possible to take these measures while also maintaining or even upgrading quality of life; we just need the political and collective courage and will to endeavor for something new. |
| Boulder, Colorado and many other cities in the US have blueprints for how to do this. We just need to embrace them and implement them here. There isn't any need to reinvent the wheel. Get non-motorized transportation implemented to get cars off roads, incentivize businesses, push the state for alternative energy credits. WE CAN DO THIS!   |
| Charlottesville and Albemarle County will have little to no affect on this. China and India could care less. You will put our area and country at severe economic disadvantage. Don't waste time and money on this.  |

## Online Questionnaire

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| <p>Climate Change is an interplanetary issue -- NASA reports show that all of the planets in the solar system are heating up little by little from the inside, so as much as we think we are to blame -- we cannot prevent this shift since it is happening from within the Earth itself, not as a direct result of any thing humans are doing. Granted we should move to tidal power, solar power, wind power, geothermal, piezoelectric, and other new energies and remove these archaic and dirty fossil fuels. But making a city-wide mandate is pointless and shows a myopic outlook</p>                         |
| <p>Costs will be high but less than if we do nothing and the world warms too much.</p>  |
| <p>Divest from high-carbon output industries.</p>   |
| <p>Don't take nuclear off the energy mix table while we still have it generating low/no carbon electricity.</p>   |
| <p>Eliminate single use plastic bags in city and county businesses like LA did</p>  |
| <p>Green roofs!</p>   |
| <p>Having been involved in climate change research since 1974, I am amazed how naive this interface to Charlottesville and Albemarle County citizens is! A fancy website is not going to guide the City and county into meaningful contributions toward GHG emissions reductions. I highly recommend that those involved in this effort actually read, very carefully, all of the reports of the IPCC as well as those issued by the U.S. Global Change Research Program. With respect to reduction of carbon dioxide and methane emissions, the U.S. State of the Carbon Cycle Reports are absolutely essential.</p> |
| <p>I am so glad that cville is undertaking this initiative. It is so important. Being a smaller community we are more agile than larger ones and can achieve larger reductions faster than bigger cities. We need to take advantage of that ability. I applaud the goals and process so far.</p>  |
| <p>Sustainability is also a very important part of earth renewal. I and many of my friends and family make big efforts to reduce our footprint on the earth. One thing that the city, county and uva could agree to do jointly is the ban plastic bags. I live near meadow creek and see many plastic bags caught in the creek bed and banks...not to mention the rivanna river. Many us communities have taken this action and had big improvements in the trashing of their communities. I urge you to pass a ban on plastic bags here.</p>   |
| <p>I answered only "Somewhat" important for whether the City, County, UVA align their goals with -- as I understand the question -- WITH EACH OTHER because we don't want a situation where one entity holds the others back, where there's a path-of-least-resistance goal. I answered the next question that ALL 3 entities should align goals with IPCC, and that should be enough.</p>  |
| <p>I believe it is extremely important for the City to include interim goals (every 5 years or so) to mark our progress and determine if we are on pace for success.</p>  |
| <p>I think this is the most important challenge we are facing today. Please help us do this for our children.</p>   |
| <p>I would like to move away from natural gas use, have strict building codes for new construction, and recycling that works (no contamination).</p>  |
| <p>Introduce Policy that benefit all communities. Always be mindful of equity.</p>  |
| <p>It is utterly hypocritical that the City ships its waste outside City limits. And furthermore and even more hypocritical it ships it FAR AWAY requiring MANY MANY MANY trucks polluting with hydrocarbons. AND speaking of equity: WHAT could be MORE IN-EQUITABLE than dumping your SHITTY ROTTEN STANK POLLUTING WASTE into poor and working class RURAL communities! many to them poor and working class communities of color! HOW hypocritical - and POLLUTING - is that?!</p>   |
| <p>Keep on pushing!</p>   |
| <p>More frequent GHG inventory/reporting and report on milestones</p>   |
| <p>Our end goal should be net-zero carbon by 2050, at the latest - the science on this is clear, given the likely impacts of further delay. There are several areas that I think a meaningful response to climate change needs to address - specifically, our natural gas utility, building efficiency, and urban mobility.</p>   |
| <p>With respect to Charlottesville Gas, it's currently operating as a conventional fossil fuel utility, providing incentives for the use of its product, although electric alternatives are cleaner and will continue to get cleaner as the grid decarbonizes. We need to immediately stop incentivizing installation of new gas infrastructure, and commit to full decarbonization of the utility by mid-century. Utility commissions in</p>   |

## Online Questionnaire

California and Massachusetts have endorsed building electrification (installation of efficient electric space & water heating appliances in place of gas-fueled models) as the most effective and efficient means of getting carbon out of buildings. We should follow their lead, and consider incentives for electrification as well (and removing incentives for adoption/install of gas infrastructure).

Efficiency is one of the more cost-effective means of reducing a building's carbon emissions, and typically provides co-benefits in terms of improved indoor air quality and comfort. We should continue and expand our support of LEAP, for example providing free check-ups with the purchase of any residence in the city (homeowners are most likely to take on improvements early in their ownership of a home). I also recommend making building energy usage more transparent, such as requiring disclosure of energy usage data as part of sales in the city. Finally, for new construction or retrofits, I recommend improving the efficiency incentives, such as higher incentives for performance beyond the current efficiency baseline.

Finally, improving urban mobility is the most cost-effective carbon reduction action available - largely due to the associated benefits from improved health outcomes (air quality improvements, physical fitness associated with increased walking/biking, etc.). The city should commit to an overhaul of urban mobility - increasing housing density within the city limits, particularly close to employment/retail centers, improving transit options to the extent that density allows, and road diets to allow for safer & more frequent pedestrian/bicyclist trips.

Our time should be used better to address real issues like homelessness, housing affordability, and economic development in Charlottesville and the surrounding area.

please consider adding an opt-in REC purchase line item to monthly gas/water bill

Please consider partnering UVA with PVCC in all goals and adoptions. PVCC is a relatively small institution of higher education and would benefit by having the larger institution of UVA to partner with.

Please don't waste any time! This is critical!

Please identify creating a resilient local food system as one of the sub-goals.

Please incorporate insect-friendly practices into your goals. Stop mowing grass and plant meadows on city-owned land. This will help with carbon reduction, too.

Thank you for doing this work!

Thank you for working on this EXTREMELY urgent issue.

Thanks for the opportunity to voice my opinion, and good luck to everyone!

Thanks! Would like to see a consistent and similar plan between City, County, and UVA.

The City of Charlottesville is in a somewhat unique position in that it owns a fossil fuel distribution utility (Charlottesville Gas), but will hopefully adopt aggressive emissions goals to be met over the next 30 years. In order to meet IPCC recommendations, Charlottesville will be required to ELIMINATE CO2 and methane emissions associated with Charlottesville Gas...either through helping building owners convert fossil fuel end uses (especially space heating and water heating) to carbon free electricity...or (much less likely) convert 100% of natural gas supply to renewable and/or synthetic gas created from zero-carbon electricity.

Planning for this significant transition needs to start NOW.

The GHG reduction goal should also include a goal of carbon neutrality as well as commitments to producing GHG emissions reports every 2 years.

The goal must be 100% clean energy by 2030

The next 10 years is critically important so frontloading the actions is critically important

There are tons of strategies out there for local/regional mitigation of GHG - please consider Phys.org as a source for innovation.

Also, the City and County \*NEED\* to energetically work on adaptation and mitigation/recovery for disasters and knock-on effects such as refugees from VA Beach/other regions, droughts and food & water shortages, flooding in low-income and elderly areas, heat-wave impacts on health of elderly and

## Online Questionnaire

|   |
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| children, etc. etc. It's not just about solar power 10 years from now - our region has many high risks in the *NEAR* term that are not being seriously considered.  |
| Think big!<br>Maximize regional transportation coordination.<br>Reduce barriers to density and mixed use in city/county ordinance.<br>More on campus student housing.                                       |
| This is a major priority of our time and must be addressed by our local leadership from every section and most importantly UVA as a major employer and academic leader in our region.                       |
| This is so important for future generations. We need to support and finds ways for all of us to be involved in aggressively reducing the impact of GHGs. Thanks for setting up this website.                |
| unsure about what you are asking in your equity question  |
| uva coal plant needs to go  |
| We have got to do better with recycling and composting initiatives across the city. And improving walkability and bikeability along with improved public transit is key to reducing Charlottesville's GHGs. |
| We have to act now, this is an emergency  |
| We have to act now, this is an emergency  |
| We must to everything in our power to dramatically reduce our community's impact on the global climate. It's clear that we can't wait on the Federal Government or other institutions before we act.        |
| We need interim GHG inventories every 2 years to track our progress   |
| We should listen to experts/scientists, and we should do everything we can locally to slow climate change.  |
| Would love see single use plastics, styrofoam banned. Costs for using plastic bags. Cost for sending things to landfill vs composting. Incentives make good choiced   |

March 17, 2019

Dear City Councilors and County Supervisors:

Thank you for taking up the important task of setting new community climate goals for the City of Charlottesville and Albemarle County, and for recognizing the need to develop comprehensive Climate Action Plans to ensure we reach those goals.

As the leaders of 41 local for-profit and non-profit businesses representing 2,974 employees, we share a common goal to protect the health and vitality of our community. The current climate action planning process presents the perfect opportunity to advance this common goal and establish the Charlottesville-Albemarle area as a leader in this 21st century challenge.

Ultimately, all community sectors must engage and partner on climate action if we are to be successful. Setting an ambitious greenhouse gas emission (GHG) reduction goal would be a catalyst for the level of community partnership needed, and as businesses, we know that we have an important role to play in reducing emissions.

The Charlottesville area business sector is concerned about climate leadership for a number of important reasons:

- We are all in this together. The health and well-being of the greater Charlottesville area is of the utmost importance, and we want to be proud of the community we call home and make sure it is leading the way on a central issue of our time.
- Climate leadership is vital to innovation and job creation. Innovation is fueling our local economy, and we must be on the leading edge of key issues to attract and retain entrepreneurs and the high-growth job creation engines that they build.
- Clean energy and energy efficiency are stimulating an energy revolution driven by economics. These technologies reduce cost, mitigate cost variability risk, and increase energy independence. The strategies of climate leadership strengthen our businesses.
- Our employees and customers care. There is a competitive advantage to be gained by embracing climate leadership.

We urge the City of Charlottesville and Albemarle County to do the following:

1. **Establish a best-in-class climate goal of: (a) reducing our year 2010 baseline greenhouse gas emissions 45% by the year 2030; and (b) achieving carbon neutrality by 2050.** This goal is aligned with the overarching goal in the International Panel on Climate Change's (IPCC) 2018 report of limiting global warming to 1.5 degrees Celsius. It is what the world's preeminent climate scientists tell us is needed to avoid the most harmful consequences of climate change. Some key factors weighing in support of this goal include:
  - a. The City and County's current emissions reduction goals lag conspicuously behind our peer communities in the region and throughout the Commonwealth.

By selecting a goal in line with the IPCC's 2018 report, the City and County will embrace the mantle of leadership.

- b. There has already been a 21% reduction in the City's climate emissions since 2011 — nearly halfway to the 45% reduction goal — through reductions in energy use and a lowering of the carbon intensity of electricity in our region.

**2. Commit to conducting a greenhouse gas inventory every two years.** Regular inventories are absolutely critical. Looking back, the City conducted inventories of 2000, 2011, and most recently, 2016. The County's last inventory was of 2008 emissions. With eleven years to reach a 45% reduction goal, frequent and regular measurement is necessary to:

- a. Ensure we are pursuing effective, state-of-the art strategies;
- b. Keep the community, individual sectors, and City and County leadership apprised of our progress; and
- c. Maintain the community's focus.

**3. Strongly consider the pro-clean energy and energy efficiency policies outlined below.** As a commercial sector, we are already making strides in implementing energy efficiency and clean energy, and we want the business community to accelerate this progress, including extending the benefit of these technologies to low- and moderate-income businesses. Government has a role to play by implementing smart, cost-effective policies which enable businesses to implement more clean energy and energy efficiency sooner — thereby permanently reducing costs, improving air quality, and reducing GHG emissions. To this end, we encourage you to implement the following policy recommendations:

- **Jointly authorize and implement Commercial Property Assessed Clean Energy (C-PACE) in both the City and the County.** C-PACE is a financial tool which has been shown to accelerate the implementation of clean energy and energy efficiency in the commercial sector, including non-profit organizations and multifamily dwellings. C-PACE enables the long-term repayment of loans through a property assessment which is tied to the property, not the business. The financing comes from private capital providers rather than the government. C-PACE is broadly applicable, as both new construction and existing buildings qualify. The majority of projects are cash-flow positive from "day one" because the energy savings from the upgrades cover the cost of the loan payments. Furthermore, it removes investment timing risk for property owners. Property owners can implement clean energy and energy efficiency, recoup benefits while they own the property, and transfers the loan to the new property owner if they sell the property before the loan is repaid. For the City and County, C-PACE would make clean energy and energy efficiency economically viable for a larger and broader segment of property owners. The Virginia Energy Efficiency Council estimates 927 and 607 properties qualify for C-PACE in the City and County, respectively.

C-PACE has been enabled by the Virginia General Assembly, and the program is currently available in Arlington and Fredericksburg. To be available locally, the City Council and the Board of Supervisors need to separately or jointly authorize it. Subsequently, City and County staff would need to separately or jointly design a program and contract with an administrator.

Recommendation: We request the City Council and the Board of Supervisors pass a joint resolution by the summer of 2019 authorizing C-PACE locally and direct City and County staff to “fast track” the implementation of a joint program.

- **Expand the Clean Energy Loan Fund (CELf) in the City and expand it to the County.** The Clean Energy Loan Fund is an existing program in the City of Charlottesville. Since being converted to an interest rate buy-down program, CELF was rapidly deployed, facilitating over \$1.6 million in private investment in clean energy and energy efficiency within the City, including over 650 kW in solar capacity across seven projects. For every \$1 invested by the City, private industry invested \$5 in response. With the assistance of CELF, implementing energy efficiency and solar becomes feasible for low- and moderate-income businesses because the energy savings cover loan repayment. The carbon emissions impact has been significant as well; the solar enabled by CELF to date has reduced CO2 emissions by an amount equivalent to burning of 708,543 pounds of coal each year. The program has been an unmitigated success. Based upon the performance of the City’s CELF to date, we believe an expanded and joint City-County CELF has the potential to facilitate the deployment of 5.5 MW of solar in the City and County over the next five years.

Recommendation: We request that the City expand the fund to deploy up to \$300,000 a year for five years with the goal of installing over 2.75 MW of solar in the City. Similarly, we request that the County implement CELF and deploy up to \$300,000 a year for five years with the goal of installing over 2.75 MW of solar in the County. Ideally, the programs would have a single “front door” for both City and County businesses to access.

Thank you again for recognizing the need to address this important issue. In summary, we encourage you to establish an aggressive community goal, require measurement every two years, and implement the policies outlined above to empower businesses to accelerate and expand clean energy and energy efficiency improvements. We are excited to work with City and County leaders to move our whole community forward.

Should you have questions please contact, Susan Kruse at the Charlottesville Climate Collaborative, 434-284-0870, or [susan@cvilleclimate.org](mailto:susan@cvilleclimate.org).

Sincerely,

*Members of the Charlottesville City and Albemarle County Business Community*

(See attached list of 41 for-profit and non-profit businesses)

CC: Mike Murphy, City Manager, City of Charlottesville  
Jeff Richardson, County Executive, County of Albemarle



LEGAL AID  
JUSTICE CENTER



March 17th, 2019

Dear City Councilors and County Supervisors:

As educators and leaders of independent schools in the Charlottesville/Albemarle area a unique perspective on the issue of a climate change.

Everyday we witness young people turning concern into action on this issue. They have an important role to play in climate solutions for our community and are a strong force for change. We are working collectively to promote a more environmentally sustainable “now” and “future” for our students, staff, and the larger community.

So thank you for taking up the important task of setting new community climate goals for the City of Charlottesville and Albemarle County, and for recognizing the need to develop comprehensive Climate Action Plans to ensure we reach those goals!

The current climate action planning process presents the perfect opportunity to work with all members of our community to advance our common goals and establish the Charlottesville-Albemarle area as a leader in this 21st century challenge. We welcome the opportunity to marshal the energy, creativity, and passion of our community’s young people.

Setting an ambitious greenhouse gas emission (GHG) reduction goal will be a catalyst for the level of community partnership needed. As schools, we value climate leadership for a number of important reasons:

- **Our students and their families care and want government to lead on this issue.** Studies consistently report that a majority of Americans want to prioritize climate solutions, and according to the [2018 Yale Climate Opinion map](#), the majority of Charlottesville and Albemarle County residents feel that the government, corporations, and citizens should do more to address climate impacts.
- **We are all in this together.** The health and well-being of Charlottesville-area young people and their families is of the utmost importance! We want to be proud of the community we call home and make sure it is leading the way on this issue.
- **Climate leadership is vital to our community’s health.** A recent NRDC report on the health impacts of climate change in Virginia reports that our community will face increased rates of asthma and heat-related illnesses, as well as water and food contamination. and the elderly are members of our community who feel the effects to an even greater extent.
- **Clean energy and energy efficiency are stimulating an energy revolution** Advancements in green technologies enable schools to reduce cost, mitigate cost variability risk, and increase energy independence.

Therefore, we urge the City of Charlottesville and Albemarle County to do the following:

1. **Establish a best-in-class climate goal of: (a) reducing our year 2010 baseline greenhouse gas emissions 45% by the year 2030; and (b) achieving carbon neutrality by 2050.**

This goal is aligned with the overarching goal in the International Panel on Climate Change's (IPCC) 2018 report of limiting global warming to 1.5 degrees Celsius. It is what the world's preeminent climate scientists tell us is needed to avoid the most harmful consequences of climate change. The City and County's current emissions reduction goals lag conspicuously behind our peer communities in the region and throughout the Commonwealth. By selecting a goal in line with the IPCC's 2018 report, the City and County will embrace the mantle of leadership.

2. **Commit to conducting a greenhouse gas inventory every two years.**

Regular inventories are absolutely critical. Looking back, the City conducted inventories of 2000, 2011, and most recently, 2016. The County's last inventory was of 2008 emissions. We only have eleven years to reach a 45% reduction, so we must work diligently. Frequent and regular measurement of our progress is necessary to ensure we are pursuing effective strategies and keeping climate action a focus of our community.

Thank you again for recognizing the need to address this important issue. In summary, we encourage you to establish a bold, leadership-level community goal and require measurement every two years for the health and vitality of Charlottesville and Albemarle County and for our children's future. We look forward to working with City and County leaders to move our entire community forward.

Should you have questions please contact Susan Kruse at the Charlottesville Climate Collaborative, 434-284-0870, or [susan@cvilleclimate.org](mailto:susan@cvilleclimate.org).

Sincerely,

*Members of Charlottesville and Albemarle County Independent Schools*

(See attached list of 7 independent schools)

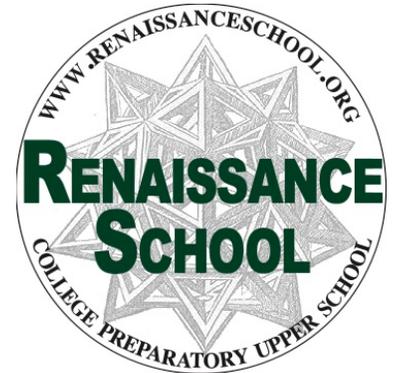
CC: Mike Murphy, City Manager, City of Charlottesville  
Jeff Richardson, County Executive, County of Albemarle



The **International School**  
of **Charlottesville**



**PEABODY SCHOOL**



**TANDEM FRIENDS**



**Village School**  
Middle School for Girls



**charlottesville**  
**WALDORF SCHOOL**

March 17, 2019

Dear City Councilors and County Supervisors,

As citizens of the Charlottesville area, we share a common goal to protect the health and vitality of our community against effects of climate change impacting our built, social, and natural systems. The future of our community, of our children, and of our legacy is dependent on commitments to reducing our greenhouse gas (GHG) emissions.

So, we thank you for taking up the important task of setting new community climate goals for the City of Charlottesville and Albemarle County, and for recognizing the need to develop comprehensive Climate Action Plans to ensure we reach those goals!

As community members, we recognize that we have an important role to play in reducing emissions for the health and safety of our families, friends, and future. But we cannot do it alone. Setting an ambitious GHG reduction goal would serve to catalyze and activate all members of the community around this common purpose.

As citizens, we are concerned about climate leadership for a number of important reasons:

- 1. We believe our local government should make commitments that reflect our values.**  
The issue of climate change concerns many families, students, and individuals who wish to see Charlottesville support and promote a more sustainable way of living. According to the 2018 Yale Climate Opinion map, the majority of Charlottesville and Albemarle County residents feel that more should be done to address climate impacts.
- 2. Climate leadership is vital for ensuring that our community remains a desirable place to live, work and play.**  
The City and County's current emissions reduction goals lag conspicuously behind our peer communities in the region and across the Commonwealth. As a community of forward thinkers and problem-solvers, Charlottesville has a reputation of innovation and progress to uphold.
- 3. The health and safety of our community is at risk.**  
Extreme weather events, like flash flooding or intense heat, are becoming increasingly more frequent and severe. According to the Natural Resources Defense Council (2018), the greater Charlottesville area is experiencing an average of 9-14 days of extreme heat per summer. While climate change impacts all of us, low-income families, children, and the elderly are members of our community that feel the effects to an even greater extent.
- 4. We are all in this together.**  
As various sectors of the community come together to address this problem, we as citizens also aim to be part of the solution. Together, we have already reduced emissions by 21% since 2011 and with a leadership level goal driving our climate action plan, we can make even greater strides.

We urge the City of Charlottesville and Albemarle County to do the following:

- 1. Establish a best-in-class climate goal of: (a) reducing our year 2010 baseline greenhouse gas emissions 45% by the year 2030; and (b) achieving carbon neutrality by 2050.**

This goal is aligned with the overarching goal in the International Panel on Climate Change's (IPCC) 2018 report of limiting global warming to 1.5 degrees Celsius. It is what the world's preeminent climate scientists tell us is needed to avoid the most harmful consequences of climate change.

- 2. Commit to conducting a greenhouse gas inventory every two years.**

Regular inventories are absolutely critical. Looking back, the City conducted inventories of 2000, 2011, and most recently, 2016. The County's last inventory was of 2008 emissions. We only have eleven years to reach a 45% reduction, so we must be diligent. Frequent and regular measurement of our progress is necessary to ensure we are pursuing effective strategies and keeping climate action a focus of our community.

Thank you, again, for recognizing the need to address this important issue. We believe that together we can ensure the health and vitality of our residents, protect our natural resources, and strengthen the resilience of this dynamic community we call home.

Sincerely,

*Charlottesville City and Albemarle County Residents*

(See attached list of 827 signatories – 422 City of Charlottesville, 405 Albemarle County)

CC: Mike Murphy, City Manager, City of Charlottesville  
Jeff Richardson, County Executive, County of Albemarle

|                    |                         |       |
|--------------------|-------------------------|-------|
| Susan Kruse        | City of Charlottesville | 22901 |
| Claire Habel       | City of Charlottesville | 22903 |
| Luke Holloran      | City of Charlottesville | 22903 |
| Michael Kruse      | City of Charlottesville | 22901 |
| Joseph Rinkevich   | City of Charlottesville | 22901 |
| Liz Powers         | City of Charlottesville | 22902 |
| Sofya Olenicheva   | City of Charlottesville | 22904 |
| Sarah Bryan        | City of Charlottesville | 22903 |
| Robert Paxton      | City of Charlottesville | 22902 |
| Tina Rees          | City of Charlottesville | 22902 |
| Jacqueline Crocker | City of Charlottesville | 22902 |
| Andrea Larson      | City of Charlottesville | 22902 |
| Morgan Butler      | City of Charlottesville | 22901 |
| Ellen Markowitz    | City of Charlottesville | 22903 |
| Jennifer Pullinger | City of Charlottesville | 24590 |
| Eric Magrum        | City of Charlottesville | 22902 |
| Jonathan Blank     | City of Charlottesville | 22903 |
| Steve Bolton       | City of Charlottesville | 22902 |
| Teri Lamb          | City of Charlottesville | 22902 |
| Dorothy Batten     | City of Charlottesville | 22903 |
| Katherine McNamara | City of Charlottesville | 22901 |
| Deborah Lawrence   | City of Charlottesville | 22902 |
| Kristin Taverna    | City of Charlottesville | 22903 |
| Chris Meyer        | City of Charlottesville | 22903 |
| Leena Cho          | City of Charlottesville | 22903 |
| Chris Gratien      | City of Charlottesville | 22902 |
| Willis Jenkins     | City of Charlottesville | 22902 |
| Denise Stewart     | City of Charlottesville | 22902 |
| Bridget Hamre      | City of Charlottesville | 22902 |
| Elizabeth Reynolds | City of Charlottesville | 22903 |
| Amanda Nelsen      | City of Charlottesville | 22903 |
| Barbara Heritage   | City of Charlottesville | 22901 |
| Emily Morrison     | City of Charlottesville | 22901 |
| Kirby Moore        | City of Charlottesville | 22902 |
| Ellen Bassett      | City of Charlottesville | 22901 |
| David Langner      | City of Charlottesville | 22903 |
| Megan Greenwood    | City of Charlottesville | 22903 |
| Katie Shevlin      | City of Charlottesville | 22903 |
| Stephen Sellers    | City of Charlottesville | 22903 |
| Allison Pugh       | City of Charlottesville | 22903 |
| Holly Hatcher      | City of Charlottesville | 22902 |
| Clement Tingley    | City of Charlottesville | 22902 |
| Kate Bennis        | City of Charlottesville | 22902 |
| Claire Griffin     | City of Charlottesville | 22903 |
| Tim House          | City of Charlottesville | 22902 |

|                       |                         |       |
|-----------------------|-------------------------|-------|
| Mieke Zylstra         | City of Charlottesville | 22902 |
| Julia Monteith        | City of Charlottesville | 22902 |
| Bradford Slocum       | City of Charlottesville | 22903 |
| Megan McGroddy        | City of Charlottesville | 22903 |
| Anne Rucker           | City of Charlottesville | 22902 |
| Tom Cormons           | City of Charlottesville | 22903 |
| Stephanie Roe         | City of Charlottesville | 22903 |
| Diane Cluck           | City of Charlottesville | 22903 |
| Sarah Norris          | City of Charlottesville | 22901 |
| Aven Kinley           | City of Charlottesville | 22901 |
| Claudine McElwain     | City of Charlottesville | 22901 |
| Casey Williams        | City of Charlottesville | 22901 |
| Colin McElwain        | City of Charlottesville | 22901 |
| MJ Smith              | City of Charlottesville | 22903 |
| Brooke Braun          | City of Charlottesville | 22901 |
| Barbara Maille        | City of Charlottesville | 22903 |
| Mary Roberts          | City of Charlottesville | 22901 |
| Philippe Sommer       | City of Charlottesville | 22903 |
| Bev Wann              | City of Charlottesville | 22902 |
| Kara West             | City of Charlottesville | 22901 |
| Matt Mongan           | City of Charlottesville | 22903 |
| Joyce Cheng           | City of Charlottesville | 22903 |
| Susannah Wood         | City of Charlottesville | 22901 |
| Derek Brown           | City of Charlottesville | 22903 |
| Marcia Geyer          | City of Charlottesville | 22901 |
| Rich Allevi           | City of Charlottesville | 22902 |
| Miller Susen          | City of Charlottesville | 22903 |
| Marisa Vrooman        | City of Charlottesville | 22903 |
| Neal Halvorson-Taylor | City of Charlottesville | 22903 |
| Kate Boyle            | City of Charlottesville | 22901 |
| Charity Pennock       | City of Charlottesville | 22901 |
| Derek Sieg            | City of Charlottesville | 22902 |
| Kristin Clarens       | City of Charlottesville | 22902 |
| Ariana Williams       | City of Charlottesville | 22902 |
| Rachael McGowen       | City of Charlottesville | 22902 |
| Susan Blank           | City of Charlottesville | 22903 |
| Mark Goodwin          | City of Charlottesville | 22901 |
| Michael Prichard      | City of Charlottesville | 22902 |
| Emily Westlake        | City of Charlottesville | 22903 |
| Caleb Hersch          | City of Charlottesville | 22902 |
| Jason Halbert         | City of Charlottesville | 22903 |
| John Ashley           | City of Charlottesville | 22902 |
| Catherine Strumlauf   | City of Charlottesville | 22902 |
| Helene Austin         | City of Charlottesville | 22902 |
| Meagan Denman         | City of Charlottesville | 22902 |
| Mladen Nestic         | City of Charlottesville | 22903 |
| Elisabeth Jacobs      | City of Charlottesville | 22901 |
| Ann Watts             | City of Charlottesville | 22902 |
| Jade Scheele          | City of Charlottesville | 22903 |
| Jim Trousdale         | City of Charlottesville | 22903 |
| Nikhil Kondabala      | City of Charlottesville | 22902 |
| Kyle West             | City of Charlottesville | 22902 |

|                       |                         |       |
|-----------------------|-------------------------|-------|
| Dylan Fraser          | City of Charlottesville | 22901 |
| Ashley Addington      | City of Charlottesville | 22903 |
| Sara Stovall          | City of Charlottesville | 22903 |
| Matthew Hantzmon      | City of Charlottesville | 22903 |
| James Barton          | City of Charlottesville | 22902 |
| Katherine Valdelievre | City of Charlottesville | 22911 |
| Brian Kelly           | City of Charlottesville | 22903 |
| Brad Smith            | City of Charlottesville | 22901 |
| Victoria alexander    | City of Charlottesville | 22902 |
| Blakeley Greenhalgh   | City of Charlottesville | 22902 |
| Paul Miller           | City of Charlottesville | 22902 |
| Robert Winstead       | City of Charlottesville | 22903 |
| Wendy Brown           | City of Charlottesville | 22903 |
| Brett Andersen        | City of Charlottesville | 22902 |
| Russell Edwards       | City of Charlottesville | 22903 |
| Sarah Bedford         | City of Charlottesville | 22903 |
| Jennifer Phillips     | City of Charlottesville | 22901 |
| John Stone            | City of Charlottesville | 22902 |
| Stephanie Faires      | City of Charlottesville | 22901 |
| Phillip McKalips      | City of Charlottesville | 22901 |
| Dylan Ikkala          | City of Charlottesville | 22903 |
| Deepesh Rana          | City of Charlottesville | 22902 |
| Greyson Williams      | City of Charlottesville | 22902 |
| Ariel Billmeier       | City of Charlottesville | 22903 |
| Laurie Miller         | City of Charlottesville | 22902 |
| Kirk Henderson        | City of Charlottesville | 22902 |
| Martha Williamson     | City of Charlottesville | 22902 |
| kathryn kieffer       | City of Charlottesville | 22902 |
| Linda Whitley         | City of Charlottesville | 22911 |
| Kevin Chandler        | City of Charlottesville | 22903 |
| Delu Stricker         | City of Charlottesville | 22903 |
| Dana Mich             | City of Charlottesville |       |
| David Stackhouse      | City of Charlottesville | 22903 |
| Kathryn Dunn          | City of Charlottesville | 22902 |
| Matt Chan             | City of Charlottesville | 22902 |
| Roxanne White         | City of Charlottesville | 22902 |
| Michele Mattioli      | City of Charlottesville | 22903 |
| Susan Kemp            | City of Charlottesville | 22902 |
| David Clemens         | City of Charlottesville | 22902 |
| Orlanden Baker        | City of Charlottesville | 22903 |
| Angela Orebaugh       | City of Charlottesville | 22903 |
| Jennifer Pease        | City of Charlottesville | 22901 |
| Andrew Robinson       | City of Charlottesville | 22903 |
| Kelly Jones           | City of Charlottesville | 22903 |
| Christiana Booher     | City of Charlottesville | 22003 |
| Emma Clark            | City of Charlottesville | 23836 |
| Ryley Brown           | City of Charlottesville | 22902 |
| Claire McKinley       | City of Charlottesville | 22902 |
| Jillian Regan         | City of Charlottesville | 22903 |
| Michael Bateman       | City of Charlottesville | 22903 |
| Sandhya Shukla        | City of Charlottesville | 22902 |
| Lindsey Fogle         | City of Charlottesville | 22902 |

|                     |                         |       |
|---------------------|-------------------------|-------|
| Nicola Datta        | City of Charlottesville | 22902 |
| Marit Melszen       | City of Charlottesville | 22903 |
| Christina Dean      | City of Charlottesville | 22902 |
| Donna Shaunesey     | City of Charlottesville | 22903 |
| Nate McFarland      | City of Charlottesville | 22902 |
| Hank Seltzer        | City of Charlottesville | 22902 |
| Lee French          | City of Charlottesville | 22902 |
| Gwendolyn Hall      | City of Charlottesville | 22902 |
| Alex Secora         | City of Charlottesville | 22903 |
| Angelique Demetillo | City of Charlottesville | 22901 |
| Andrew Neils        | City of Charlottesville | 22903 |
| Linda Winecoff      | City of Charlottesville | 22901 |
| Christopher Luna    | City of Charlottesville | 22903 |
| M. Madeleine Ray    | City of Charlottesville | 22903 |
| Robyn Kells         | City of Charlottesville | 22903 |
| Carroll Courtenay   | City of Charlottesville | 22902 |
| Elizabeth Ike       | City of Charlottesville | 22902 |
| Hannah Coman        | City of Charlottesville | 22903 |
| Brynn Cook          | City of Charlottesville | 22620 |
| Calvin Brondyke     | City of Charlottesville | 22902 |
| Kate LeBoeuf        | City of Charlottesville | 22902 |
| Deborah Murray      | City of Charlottesville | 22902 |
| Monica Prichard     | City of Charlottesville | 22902 |
| Emily Wyche         | City of Charlottesville | 22902 |
| Abigail Wiebe       | City of Charlottesville | 22903 |
| Aldona Dye          | City of Charlottesville | 22902 |
| Cindy Cartwright    | City of Charlottesville | 22902 |
| Anna Beatrice       | City of Charlottesville | 22903 |
| Sally Christopher   | City of Charlottesville | 22902 |
| Katie Storer        | City of Charlottesville | 22901 |
| Claire Kettering    | City of Charlottesville | 22903 |
| Lindsey Knotts      | City of Charlottesville | 22903 |
| Allison Love        | City of Charlottesville | 22902 |
| Evelyn Courtenay    | City of Charlottesville | 22903 |
| Olivia Rivard       | City of Charlottesville | 22903 |
| Mark Evans          | City of Charlottesville | 22901 |
| Cassie Pegram       | City of Charlottesville | 22903 |
| Joanne McNergney    | City of Charlottesville | 22902 |
| Angela Ciolfi       | City of Charlottesville | 22903 |
| Jeffrey Stricker    | City of Charlottesville | 22902 |
| Mary Bauer          | City of Charlottesville | 22902 |
| Heather Commons     | City of Charlottesville | 22903 |
| Erin Trodden        | City of Charlottesville | 22902 |
| Cathryn McCue       | City of Charlottesville | 22903 |
| Jeffrey Aten        | City of Charlottesville | 22901 |
| Tim Wallace         | City of Charlottesville | 22901 |
| deKoven Pelton      | City of Charlottesville | 22901 |
| Karlis Povisils     | City of Charlottesville | 22902 |
| Diane Cluck         | City of Charlottesville | 22903 |
| Liz Riley           | City of Charlottesville |       |
| Zack Blatter        | City of Charlottesville | 22902 |
| Andrew Sneathern    | City of Charlottesville | 22903 |

|                     |                         |       |
|---------------------|-------------------------|-------|
| Roberta Williamson  | City of Charlottesville | 22901 |
| Terry Lilley        | City of Charlottesville | 22902 |
| Elizabeth Woodard   | City of Charlottesville | 22903 |
| Dave Norris         | City of Charlottesville | 22902 |
| Jane Spittler       | City of Charlottesville | 22903 |
| Carrie Ryan         | City of Charlottesville | 22903 |
| Jennifer Home       | City of Charlottesville | 22902 |
| Rachel Smith        | City of Charlottesville | 22901 |
| Polly Breckenridge  | City of Charlottesville | 22902 |
| Claire Thompson     | City of Charlottesville | 22903 |
| Ben Campbell        | City of Charlottesville | 22901 |
| Thomas Steffes      | City of Charlottesville | 22902 |
| Abby Guskind        | City of Charlottesville | 22902 |
| Marsha Burger       | City of Charlottesville | 22902 |
| Vivi Rogers         | City of Charlottesville | 22901 |
| Amanda Burbage      | City of Charlottesville | 22901 |
| Sean Farber         | City of Charlottesville | 22902 |
| Ellen Balfrey       | City of Charlottesville | 22901 |
| Martha Keith        | City of Charlottesville | 22902 |
| Drew Hurst          | City of Charlottesville | 22901 |
| Elaine Poon         | City of Charlottesville | 22902 |
| Talia Marshall      | City of Charlottesville | 22903 |
| Leah Marshall       | City of Charlottesville | 22903 |
| Elizabeth Isley     | City of Charlottesville | 22903 |
| Patrick Belisle     | City of Charlottesville | 22902 |
| Arielle O'Shea      | City of Charlottesville | 22902 |
| Anne Hooff          | City of Charlottesville | 22903 |
| Frances Camp        | City of Charlottesville | 22902 |
| Kristen Davis Singh | City of Charlottesville | 22902 |
| Kate Duvall         | City of Charlottesville | 22901 |
| Kay Fracher         | City of Charlottesville | 22902 |
| Kiersten Teitelbaum | City of Charlottesville | 22903 |
| Peggy Comett        | City of Charlottesville | 22902 |
| Patricia Sullivan   | City of Charlottesville | 22903 |
| Dan Boyle           | City of Charlottesville | 22901 |
| Andrea Trimble      | City of Charlottesville | 22901 |
| Clarence Green      | City of Charlottesville |       |
| Samhita Sunya       | City of Charlottesville | 22902 |
| Samdup Pittard      | City of Charlottesville | 22901 |
| Broocks Meade       | City of Charlottesville | 22902 |
| Shawnee West        | City of Charlottesville | 22902 |
| Jill Lerner         | City of Charlottesville | 22902 |
| Sean Tubbs          | City of Charlottesville | 22903 |
| Aileen Bartels      | City of Charlottesville | 22902 |
| Virginia Chambers   | City of Charlottesville | 22903 |
| Natalie LaRoe       | City of Charlottesville | 22903 |
| Alexandria Searls   | City of Charlottesville | 22902 |
| Joy Johnson         | City of Charlottesville | 22903 |
| Louisa Bradford     | City of Charlottesville | 22902 |
| Elizabeth McQuade   | City of Charlottesville | 22903 |
| Ashley Morse        | City of Charlottesville | 22902 |
| Joan Chapman        | City of Charlottesville | 22901 |

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|---------------------|-------------------------|-------|
| Alee Halsey         | City of Charlottesville | 22903 |
| Jessie Muniz        | City of Charlottesville | 22911 |
| R. Lee Stauter      | City of Charlottesville | 22902 |
| Kevin Davis         | City of Charlottesville | 22903 |
| Helen Humphreys     | City of Charlottesville | 22902 |
| Chris Heins         | City of Charlottesville | 22903 |
| Yong Un Ahn         | City of Charlottesville | 22902 |
| Scott Weiss         | City of Charlottesville | 22902 |
| Anne Runkle         | City of Charlottesville | 22902 |
| Laura Goldblatt     | City of Charlottesville | 22902 |
| Lewis Armistead     | City of Charlottesville | 22902 |
| Joshua René         | City of Charlottesville | 22903 |
| Brett Hicks         | City of Charlottesville | 22902 |
| Jason Surma         | City of Charlottesville | 22902 |
| Josh Morrison       | City of Charlottesville | 22903 |
| Paula Fallon        | City of Charlottesville | 22903 |
| Linda Goldstein     | City of Charlottesville | 22903 |
| Melissa Peterson    | City of Charlottesville | 22902 |
| Virginia Organizing | City of Charlottesville | 22903 |
| Virginia Rose Kane  | City of Charlottesville | 22902 |
| Sheryle Yount       | City of Charlottesville | 22902 |
| John McLaren        | City of Charlottesville | 22902 |
| Horea Popa          | City of Charlottesville | 22903 |
| Jake Gold           | City of Charlottesville | 22903 |
| Walter Heinecke     | City of Charlottesville | 22903 |
| Trevor Francis      | City of Charlottesville | 22902 |
| Laurie Pallini      | City of Charlottesville | 22903 |
| Elizabeth Broyles   | City of Charlottesville | 22903 |
| Kevin Burke         | City of Charlottesville | 22902 |
| Matthew Gillikin    | City of Charlottesville | 22903 |
| John Semmelhack     | City of Charlottesville | 22902 |
| Frank Hardy         | City of Charlottesville | 22902 |
| Tray Biasioli       | City of Charlottesville | 22903 |
| Anthony Stephan     | City of Charlottesville | 22902 |
| Katie Reynolds      | City of Charlottesville | 22901 |
| Ben Yazman          | City of Charlottesville | 22902 |
| Samantha Brook      | City of Charlottesville | 22903 |
| Beth Johnson        | City of Charlottesville | 22903 |
| Kristin Davis       | City of Charlottesville | 22901 |
| Rebecca Stoner      | City of Charlottesville | 22901 |
| Anna Towns          | City of Charlottesville | 22902 |
| Kate Heins          | City of Charlottesville | 22903 |
| Emily Irvine        | City of Charlottesville | 22902 |
| Sara Belkowitz      | City of Charlottesville |       |
| Linnea White        | City of Charlottesville | 22902 |
| Erlin Yanira Garcia | City of Charlottesville | 22968 |
| Michael Rodi        | City of Charlottesville | 22902 |
| Andrew Renshaw      | City of Charlottesville | 22903 |
| Judith Renshaw      | City of Charlottesville | 22903 |
| Michael Joy         | City of Charlottesville | 22903 |
| Jane Fisher         | City of Charlottesville | 22902 |
| Hal Movius          | City of Charlottesville | 22902 |

|                            |                         |       |
|----------------------------|-------------------------|-------|
| Honor Dorsey               | City of Charlottesville | 22902 |
| Brian Williams             | City of Charlottesville | 22903 |
| Daniel Stromberg           | City of Charlottesville | 22903 |
| Jennifer Silber            | City of Charlottesville | 22903 |
| Samantha Genz              | City of Charlottesville | 22903 |
| Riley Crowell              | City of Charlottesville | 22902 |
| Shannon Worrell            | City of Charlottesville | 22903 |
| Sally Hudson               | City of Charlottesville | 22902 |
| Marilyn Roselius           | City of Charlottesville | 22902 |
| Alexandra Cook             | City of Charlottesville | 22903 |
| Mason Hakes                | City of Charlottesville | 22903 |
| Susan Greer Harris         | City of Charlottesville | 22903 |
| Blair St Ledger-Olson      | City of Charlottesville | 22903 |
| Ruth Turner                | City of Charlottesville | 22903 |
| Kendall Bills              | City of Charlottesville | 22903 |
| Nina Knight                | City of Charlottesville |       |
| Charlotte Drummond         | City of Charlottesville | 22903 |
| Sara Shullaw               | City of Charlottesville | 22902 |
| Karen Riddle               | City of Charlottesville | 22902 |
| Kevin Riddle               | City of Charlottesville | 22902 |
| Justin Gandy               | City of Charlottesville | 22903 |
| Elizabeth Stark            | City of Charlottesville | 22902 |
| Victoria Whelan            | City of Charlottesville |       |
| Bethany Bandera            | City of Charlottesville | 22902 |
| Michelle Kisiuk            | City of Charlottesville | 22902 |
| Rebecca Haydock            | City of Charlottesville | 22902 |
| Meridith Frazee            | City of Charlottesville | 22902 |
| Cale Jaffe                 | City of Charlottesville | 22903 |
| Gentry Hall                | City of Charlottesville | 22902 |
| Solomon Goluboff-Schragger | City of Charlottesville | 22903 |
| Salena Levi                | City of Charlottesville | 22901 |
| Bernard Beitman            | City of Charlottesville | 22901 |
| Samantha Lane              | City of Charlottesville | 22901 |
| Lori Derr                  | City of Charlottesville | 22902 |
| Jay Glick                  | City of Charlottesville | 22903 |
| Wendy Philleo              | City of Charlottesville | 22902 |
| Greg Buppert               | City of Charlottesville | 22901 |
| Elsa Spencer               | City of Charlottesville | 22902 |
| Jodie Plaisance            | City of Charlottesville | 22902 |
| Jennifer Scott             | City of Charlottesville | 22902 |
| Will Cleveland             | City of Charlottesville | 22902 |
| Peter Anderson             | City of Charlottesville | 22903 |
| Jan Glennie-Smith          | City of Charlottesville | 22902 |
| Karen Boyle                | City of Charlottesville | 22901 |
| Todd Barnett               | City of Charlottesville | 22903 |
| Frank Rambo                | City of Charlottesville | 22903 |
| Gordon Tully               | City of Charlottesville | 22903 |
| Peter Krebs                | City of Charlottesville | 22902 |
| Sabrina Lingenfelter       | City of Charlottesville | 22904 |
| Katie Keller               | City of Charlottesville | 22903 |
| Lewis Summers              | City of Charlottesville | 22903 |
| Olivia Bowers              | City of Charlottesville | 22902 |

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|-------------------------|-------------------------|-------|
| Navarre Bartz           | City of Charlottesville | 22902 |
| Mika Hilliard           | City of Charlottesville | 22902 |
| Andrew Young            | City of Charlottesville | 22903 |
| Matthew Toper           | City of Charlottesville | 22903 |
| Fazlah Rahaman          | City of Charlottesville | 22904 |
| Landon Holben           | City of Charlottesville | 22903 |
| Kim Biasioli            | City of Charlottesville |       |
| Ashley Addington        | City of Charlottesville | 22903 |
| Ian Iverson             | City of Charlottesville | 22903 |
| George Minor            | City of Charlottesville | 22902 |
| Pat Lloyd               | City of Charlottesville |       |
| Kate Fraleigh           | City of Charlottesville | 22901 |
| Tracey Hopper           | City of Charlottesville | 22902 |
| Ellen Tully             | City of Charlottesville | 22903 |
| Jim Respass             | City of Charlottesville | 22901 |
| Richard Mccrone         | City of Charlottesville | 22903 |
| Olivia Patton           | City of Charlottesville | 22902 |
| Thomas Goad             | City of Charlottesville | 22901 |
| Anne Powell             | City of Charlottesville | 22903 |
| S verine Fr my          | City of Charlottesville | 22902 |
| Salvatore Moschella     | City of Charlottesville | 22902 |
| Annelise Brand          | City of Charlottesville | 22902 |
| Daniel Mietchen         | City of Charlottesville | 22902 |
| Subagh Winkelstern      | City of Charlottesville | 22902 |
| Kristin Morgan          | City of Charlottesville | 22902 |
| Jeanne Maushammer       | City of Charlottesville | 22902 |
| Daniel Sunshine         | City of Charlottesville | 22903 |
| Doreen Bonnet           | City of Charlottesville | 22902 |
| Kristen Davis Singh     | City of Charlottesville | 22902 |
| Madi Glaser             | City of Charlottesville | 22902 |
| Tamar Glaser            | City of Charlottesville | 22902 |
| Jennifer Taylor         | City of Charlottesville | 22902 |
| Emily Lockwood          | City of Charlottesville |       |
| Ethan Wilmer            | City of Charlottesville | 22901 |
| Nina Mellin             | City of Charlottesville | 22903 |
| Stuart Squire           | City of Charlottesville | 22902 |
| Richard Kennon Williams | City of Charlottesville | 22901 |
| Susan Christmas         | City of Charlottesville | 22901 |
| Diane Cluck             | City of Charlottesville | 22903 |
| Antje Waxman            | City of Charlottesville | 22911 |
| Pam Hill                | City of Charlottesville | 22901 |
| Gale Courtney           | City of Charlottesville | 22902 |
| Sabr Lyon               | City of Charlottesville | 22903 |
| Sena Magill             | City of Charlottesville | 22903 |
| Emily Welch             | City of Charlottesville |       |
| Trevor Marchhart        | City of Charlottesville | 22904 |
| Amy Woolard             | City of Charlottesville | 22902 |
| Herb Porter             | City of Charlottesville | 22902 |
| Connie Rosenbaum        | City of Charlottesville | 22903 |
| Tracy Nelson            | City of Charlottesville | 22902 |
| Nina Jackson            | City of Charlottesville | 22902 |
| Dorisse Aha             | City of Charlottesville | 22902 |

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|-------------------|-------------------------|-------|
| Colette Brown     | City of Charlottesville | 22902 |
| Kitt Mattingly    | City of Charlottesville | 22992 |
| Eliza Fisher      | City of Charlottesville | 22903 |
| Jesse Fiske       | City of Charlottesville | 22902 |
| James Clark       | City of Charlottesville | 22903 |
| Abigail Haggerty  | City of Charlottesville | 22902 |
| Felice Boling-Key | City of Charlottesville | 22903 |
| Gabriela Pachano  | City of Charlottesville | 22903 |
| Abby Tinsley      | City of Charlottesville | 22911 |
| Jen Dominic       | City of Charlottesville | 22901 |
| Lily West         | City of Charlottesville | 22903 |
| John Bonham       | City of Charlottesville | 22903 |
| Mara Sprafkin     | City of Charlottesville | 22903 |

|                    |                     |       |
|--------------------|---------------------|-------|
| Teri Kent          | County of Albemarle | 22901 |
| John Dozier        | County of Albemarle | 22959 |
| Karl Quist         | County of Albemarle | 22901 |
| Kenny Chermaskas   | County of Albemarle | 22903 |
| Courtney Paxton    | County of Albemarle | 22902 |
| Molly Kelliher     | County of Albemarle | 22911 |
| Barbara Peters     | County of Albemarle | 22903 |
| Kellie Hocking     | County of Albemarle | 22901 |
| Maggie Murphy      | County of Albemarle | 22901 |
| Judith Curry       | County of Albemarle | 22901 |
| Devin Welch        | County of Albemarle | 22902 |
| Grey McLean        | County of Albemarle | 22940 |
| Erika Kerrigan     | County of Albemarle | 22901 |
| Polly A Davis Doig | County of Albemarle | 22903 |
| Mary Celella       | County of Albemarle | 22920 |
| Jen Koym           | County of Albemarle | 22911 |
| Marla Palermo      | County of Albemarle | 22902 |
| Brian Richter      | County of Albemarle | 22932 |
| Dorothy Batten     | County of Albemarle | 22901 |
| John Murphy        | County of Albemarle | 22901 |
| Rita Reynolds      | County of Albemarle | 22920 |
| Sue Crane          | County of Albemarle | 22936 |
| Mary Jo Doig       | County of Albemarle | 22902 |
| Howard Epstein     | County of Albemarle | 22932 |
| Tedi Wright        | County of Albemarle | 22920 |
| David Redding      | County of Albemarle | 22901 |
| Bill Edgerton      | County of Albemarle | 22901 |
| Sarah duPont       | County of Albemarle | 22901 |
| Jamie Endahl       | County of Albemarle | 22911 |
| Nicholas Duke      | County of Albemarle | 22937 |
| Karen McGlathery   | County of Albemarle | 22903 |
| Lillian Mezey      | County of Albemarle | 22932 |
| Martha Hodgkins    | County of Albemarle | 22932 |
| Rebecca Ginsberg   | County of Albemarle | 22933 |
| Turner Tilman      | County of Albemarle | 22911 |
| Martin Shifflett   | County of Albemarle | 22940 |

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|----------------------|---------------------|-------|
| Mindy Goodall        | County of Albemarle | 22901 |
| Jean Abrl            | County of Albemarle | 22936 |
| Allison Hill         | County of Albemarle | 22901 |
| Hugh Meagher         | County of Albemarle | 22901 |
| Barbarie Hill        | County of Albemarle | 22901 |
| James Eaton          | County of Albemarle | 24590 |
| Lindsay Diamond      | County of Albemarle | 22901 |
| Nicola McGoff        | County of Albemarle | 24590 |
| Nan Halperin         | County of Albemarle | 22901 |
| Susan Weiner         | County of Albemarle | 22903 |
| Sierra Gladfelter    | County of Albemarle | 22901 |
| Philip D Dupont      | County of Albemarle | 22901 |
| Patricia Oppenheimer | County of Albemarle | 22924 |
| Michael Reilly       | County of Albemarle | 22903 |
| Sunshine Mathon      | County of Albemarle | 22901 |
| Erin Malec           | County of Albemarle | 22911 |
| Wilson Ratliff       | County of Albemarle | 24590 |
| Tim Michel           | County of Albemarle | 22940 |
| John Cruickshank     | County of Albemarle | 22936 |
| B Albert             | County of Albemarle | 22924 |
| Katrina von Briesen  | County of Albemarle | 22924 |
| Anna Bella Korbatov  | County of Albemarle | 22903 |
| Elizabeth Dahmus     | County of Albemarle | 22902 |
| Emily Mathon         | County of Albemarle | 22901 |
| Carolyn Schuyler     | County of Albemarle | 22911 |
| Jed Verity           | County of Albemarle | 22911 |
| Latifa Kropf         | County of Albemarle | 22901 |
| Deborah Povich       | County of Albemarle | 22901 |
| Janet Wolfe          | County of Albemarle | 22959 |
| Sarah Lanzman        | County of Albemarle | 22935 |
| Carol DiCaprio       | County of Albemarle | 22902 |
| Paul Martin          | County of Albemarle | 22903 |
| Bill Edgerton FAIA   | County of Albemarle | 22901 |
| Jennifer Jacobs      | County of Albemarle | 22932 |
| Sarah McLean         | County of Albemarle | 22940 |
| Ed Miller            | County of Albemarle | 22903 |
| Janet Miller         | County of Albemarle | 22903 |
| Jennifer Till        | County of Albemarle | 22920 |
| Bridget Meagher      | County of Albemarle | 22901 |
| Shannon Burns        | County of Albemarle | 22940 |
| Kristina Parker      | County of Albemarle | 22901 |
| Catherine Mosley     | County of Albemarle | 22901 |
| James Spurlock       | County of Albemarle | 22911 |
| Rachel Repko         | County of Albemarle | 22901 |
| Jessica Cummings     | County of Albemarle | 22902 |
| Chuck Brown          | County of Albemarle | 22903 |
| Meagan Van Vuren     | County of Albemarle | 22901 |
| Sarah Fromme         | County of Albemarle | 22901 |
| Johannes Van Vuren   | County of Albemarle | 22901 |
| James Mackey         | County of Albemarle | 22903 |
| Charles Kennedy      | County of Albemarle | 22903 |
| Tom Hubbard          | County of Albemarle | 22901 |

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| Kelly Mahanes       | County of Albemarle | 22932 |
| Blaine Loos         | County of Albemarle | 22902 |
| Diane Rozycki       | County of Albemarle | 22901 |
| Shirl Gager         | County of Albemarle | 22902 |
| Theresa Hainer      | County of Albemarle | 22959 |
| Pamela Jiranek      | County of Albemarle | 22936 |
| Kurt Friesen        | County of Albemarle | 22901 |
| Nathan Biediger     | County of Albemarle | 22901 |
| Charlie Johnson     | County of Albemarle | 22901 |
| Brian Rozycki       | County of Albemarle | 22901 |
| Locke Ogens         | County of Albemarle | 22901 |
| John Wheeler        | County of Albemarle | 22902 |
| Meredith Frazier    | County of Albemarle | 22902 |
| Eugene Lerman       | County of Albemarle | 22901 |
| Susan McCulley      | County of Albemarle | 22903 |
| Dave Redding        | County of Albemarle | 22901 |
| Gwynne Schultz      | County of Albemarle | 22901 |
| Jeanine Wolanski    | County of Albemarle | 22911 |
| Dana Quist          | County of Albemarle | 22901 |
| Steve Vavrik        | County of Albemarle | 22901 |
| Jennifer Wise       | County of Albemarle | 22903 |
| April Wang          | County of Albemarle | 22901 |
| Margaret Wheeler    | County of Albemarle | 22936 |
| Eric Parker         | County of Albemarle | 22901 |
| Ravi Respeto        | County of Albemarle | 22901 |
| Melissa Meece       | County of Albemarle | 22902 |
| Laura Markey Monroe | County of Albemarle | 22901 |
| Neil James          | County of Albemarle | 22902 |
| Ron Povich          | County of Albemarle | 22901 |
| Carlos Armengol     | County of Albemarle | 22903 |
| Rachel Lloyd Miller | County of Albemarle | 22911 |
| John Buckley        | County of Albemarle | 22903 |
| Brenda Lloyd        | County of Albemarle | 24590 |
| Robert Lloyd        | County of Albemarle | 24590 |
| Asha Greer          | County of Albemarle | 22924 |
| Maureen Perriello   | County of Albemarle | 22903 |
| Misty Vredenburg    | County of Albemarle | 22932 |
| Emily Dillard       | County of Albemarle | 22903 |
| Kathy Nathan        | County of Albemarle | 22903 |
| Mark Lepsch         | County of Albemarle | 22959 |
| Nicholas McIntosh   | County of Albemarle | 22932 |
| John Haydock        | County of Albemarle | 22901 |
| Carol Gardner       | County of Albemarle | 22901 |
| Bart Nathan         | County of Albemarle | 22903 |
| Brian Sosdian       | County of Albemarle | 22903 |
| Kelli Palmer        | County of Albemarle | 22901 |
| Sarah Trundle       | County of Albemarle | 22901 |
| Lesley Fore         | County of Albemarle | 22903 |
| Galen Staengl       | County of Albemarle | 22932 |
| Frank Deviney       | County of Albemarle | 22903 |
| Laurel Geis         | County of Albemarle | 22901 |
| Tom McIntosh        | County of Albemarle | 22940 |

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|-----------------------|---------------------|-------|
| Kate Lucas            | County of Albemarle | 22901 |
| Sam Spilman           | County of Albemarle |       |
| Geoffrey Robinson     | County of Albemarle | 22902 |
| Evan Schmit           | County of Albemarle | 22901 |
| Stephen Reiter        | County of Albemarle | 22936 |
| Tom Syre              | County of Albemarle | 22959 |
| Polly Cushman         | County of Albemarle | 22903 |
| David Silver          | County of Albemarle | 22901 |
| Anna McLean           | County of Albemarle | 22940 |
| Karlo Mendoza         | County of Albemarle | 22903 |
| Edith Crawford        | County of Albemarle | 22923 |
| Lena Lewis            | County of Albemarle | 22902 |
| Rachel Stukenborg     | County of Albemarle | 22936 |
| Anne Russell Gregory  | County of Albemarle | 22911 |
| Eric Walter           | County of Albemarle | 22932 |
| Christine Bowers      | County of Albemarle | 22903 |
| L Dudley              | County of Albemarle | 22932 |
| Loman Frazier         | County of Albemarle | 22911 |
| Sharyn Parlee         | County of Albemarle | 22932 |
| Christine Putnam      | County of Albemarle | 24590 |
| Leslie Back           | County of Albemarle | 22932 |
| Victor Luftig         | County of Albemarle | 22932 |
| Kathy Kildea          | County of Albemarle | 22901 |
| Andrew Niehaus        | County of Albemarle | 22911 |
| Heather Wetzel        | County of Albemarle | 22901 |
| Carol Carter          | County of Albemarle | 22902 |
| John Surr             | County of Albemarle | 22911 |
| Fleming Lunsford      | County of Albemarle | 22959 |
| Kevin Poindexter      | County of Albemarle | 22937 |
| Bill Sublette         | County of Albemarle | 22903 |
| David Carr            | County of Albemarle | 22901 |
| Anna Rossberg         | County of Albemarle | 22932 |
| Cathy Boyd            | County of Albemarle | 22901 |
| Travis Pietila        | County of Albemarle | 22901 |
| Ebony Hilton Buchholz | County of Albemarle | 22901 |
| Denise Holman         | County of Albemarle | 22911 |
| Mark Sabath           | County of Albemarle | 22903 |
| Jon Proffitt          | County of Albemarle | 22903 |
| Ian Dixon             | County of Albemarle | 22903 |
| Jonathan Gendzier     | County of Albemarle | 22902 |
| Jan Harrison          | County of Albemarle | 22901 |
| Jessica Clark         | County of Albemarle | 22903 |
| Kristin Streed        | County of Albemarle | 22901 |
| Andrew Wright         | County of Albemarle | 22932 |
| Judy Dunscomb         | County of Albemarle | 22901 |
| Deborah Donnelly      | County of Albemarle | 22903 |
| Tom Brooks-pilling    | County of Albemarle | 22966 |
| Terri Mead            | County of Albemarle | 22901 |
| Amanda Alger          | County of Albemarle | 22932 |
| Dana Kirschnick       | County of Albemarle | 22946 |
| Douglas Burns         | County of Albemarle | 22940 |
| Pat Cummings          | County of Albemarle | 22959 |

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|---------------------|---------------------|-------|
| Cathy Cassety       | County of Albemarle | 22903 |
| Elizabeth Moore     | County of Albemarle | 22937 |
| Richard Monroe      | County of Albemarle | 22932 |
| Dennis Lo           | County of Albemarle | 22903 |
| Fang Yi             | County of Albemarle | 22903 |
| Dana Pauly          | County of Albemarle | 22936 |
| Rebecca Bronkema    | County of Albemarle | 22901 |
| Brad Saylor         | County of Albemarle | 22932 |
| John Holden         | County of Albemarle | 22901 |
| Denise Zito         | County of Albemarle | 22940 |
| Lola Weir           | County of Albemarle | 22902 |
| Renee O'Connell     | County of Albemarle | 22901 |
| Beverly Ingram      | County of Albemarle | 22902 |
| Marla Muntner       | County of Albemarle | 22920 |
| Phyllis White       | County of Albemarle | 24590 |
| John Wheeler        | County of Albemarle | 22936 |
| Frederick Paul      | County of Albemarle | 22947 |
| Jane Baker          | County of Albemarle | 22947 |
| Barry Sisson        | County of Albemarle | 22911 |
| Baylor Fooks        | County of Albemarle | 22903 |
| Alex Patterson      | County of Albemarle | 22932 |
| Laurie Collins      | County of Albemarle | 22924 |
| Charles Fitzgerald  | County of Albemarle | 22920 |
| Tim SanJule         | County of Albemarle | 22932 |
| Dean Lhospital      | County of Albemarle |       |
| Teresa Miller       | County of Albemarle | 22901 |
| Brennan Gilmore     | County of Albemarle | 22902 |
| Linda van der Linde | County of Albemarle | 22901 |
| Tobey Stultz        | County of Albemarle | 22903 |
| Mark Drusin         | County of Albemarle | 22947 |
| Dan Bieker          | County of Albemarle | 22959 |
| Therese Elron       | County of Albemarle | 22901 |
| Lydia Gaya          | County of Albemarle | 22902 |
| Natasha Heller      | County of Albemarle | 22903 |
| Roger Voisinet      | County of Albemarle | 22902 |
| Jef McCormack       | County of Albemarle | 22911 |
| Elizabeth Dudley    | County of Albemarle | 22901 |
| Fred Wittwer        | County of Albemarle | 22911 |
| Leslie Gregg        | County of Albemarle | 22911 |
| Jane-Ashley Skinner | County of Albemarle | 22901 |
| Hallie Hegemier     | County of Albemarle | 22940 |
| Rusty Speidel       | County of Albemarle | 22901 |
| Lynne Brubaker      | County of Albemarle | 22947 |
| Fiona Forward       | County of Albemarle | 22903 |
| Annabel Forward     | County of Albemarle | 22903 |
| Jennie Moody        | County of Albemarle | 22943 |
| Elizabeth Spaulding | County of Albemarle | 22901 |
| Gardner Bloemers    | County of Albemarle | 22937 |
| Constance Samuels   | County of Albemarle | 22901 |
| Susan Rives         | County of Albemarle | 22947 |
| Jenny Gardiner      | County of Albemarle | 22947 |
| Marina Ringström    | County of Albemarle | 22947 |

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| Jim Andrews              | County of Albemarle | 22903 |
| Julie Hebert             | County of Albemarle | 22911 |
| Kate Hamilton            | County of Albemarle | 22911 |
| Laura Allen              | County of Albemarle | 22902 |
| Elizabeth Piper          | County of Albemarle | 22902 |
| Tracy Noelke             | County of Albemarle | 22932 |
| Laurie Blomstrom         | County of Albemarle | 22903 |
| John Parcels             | County of Albemarle | 22940 |
| Amanda Easton            | County of Albemarle | 22969 |
| Pat and Madison Cummings | County of Albemarle | 22959 |
| David Sloan              | County of Albemarle | 22936 |
| Brian Sewell             | County of Albemarle | 22903 |
| Cynthia Neff             | County of Albemarle | 22901 |
| Kay Ferguson             | County of Albemarle | 22901 |
| Tracy Browne             | County of Albemarle | 22920 |
| Douglas Brown            | County of Albemarle | 22903 |
| Tom Bevacqua             | County of Albemarle | 22901 |
| Emily Little             | County of Albemarle | 22901 |
| Katherine Sewell         | County of Albemarle | 22903 |
| Matthew Crane            | County of Albemarle | 22936 |
| Sofie Swift              | County of Albemarle |       |
| Nan Coleman              | County of Albemarle | 22903 |
| Jane Mills               | County of Albemarle | 22936 |
| Anna Henry               | County of Albemarle |       |
| Pattie Frischkorn        | County of Albemarle | 22901 |
| Claire Mills             | County of Albemarle | 22936 |
| David Posner             | County of Albemarle |       |
| Scott Ziemer             | County of Albemarle | 22932 |
| Mary Bennett             | County of Albemarle | 22901 |
| Eric Sherry              | County of Albemarle | 24590 |
| Michael Allenby          | County of Albemarle | 22936 |
| Richard Seide            | County of Albemarle | 22911 |
| Brooke Beaver            | County of Albemarle | 22901 |
| Elise Hertzberg          | County of Albemarle | 22901 |
| Trip Stakem              | County of Albemarle | 22903 |
| Robin Mason              | County of Albemarle | 22936 |
| Lindsey Mullen           | County of Albemarle | 22901 |
| Sheri Waddell            | County of Albemarle | 22947 |
| Emily Carroll            | County of Albemarle | 22901 |
| Mark Mascotte            | County of Albemarle | 22901 |
| Olivia Branch            | County of Albemarle | 22974 |
| Martin Betts             | County of Albemarle | 22936 |
| Karen Pape               | County of Albemarle | 22901 |
| Jeanne Stanborough       | County of Albemarle | 22901 |
| Sheryle Yount            | County of Albemarle | 22902 |
| Lucretia Blythe          | County of Albemarle | 22901 |
| Craig Jones              | County of Albemarle | 22963 |
| Barbara Hutchinson       | County of Albemarle | 22936 |
| Patricia Leavitt         | County of Albemarle | 22920 |
| Susan Payne              | County of Albemarle | 22903 |
| Emi Murphy               | County of Albemarle | 22901 |
| Maisie Whiting           | County of Albemarle | 22902 |

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| Jill Trischman-Marks   | County of Albemarle | 22923 |
| Kim Cory               | County of Albemarle | 22920 |
| Lesley Hamilton        | County of Albemarle | 22911 |
| Rick Mangione          | County of Albemarle | 22911 |
| Amy Lastinger          | County of Albemarle | 22903 |
| John Stoner            | County of Albemarle |       |
| Anna Chytla            | County of Albemarle | 22911 |
| Alisha McLaughlin      | County of Albemarle | 22903 |
| Christine Gyovai       | County of Albemarle | 22901 |
| Celia Castleman        | County of Albemarle | 22901 |
| Donna Frye             | County of Albemarle | 22901 |
| Deborah Norton         | County of Albemarle | 22911 |
| Charles Cory           | County of Albemarle | 22920 |
| Joyce Camden           | County of Albemarle | 22902 |
| Christine McNeely      | County of Albemarle | 22901 |
| Bob Putnam             | County of Albemarle | 24590 |
| Kiley Martin           | County of Albemarle | 22901 |
| Julia Weed             | County of Albemarle | 22959 |
| James Bennett          | County of Albemarle | 22901 |
| Leora Vincenti         | County of Albemarle | 22932 |
| Eliza Evans            | County of Albemarle | 22959 |
| Andre Hakes            | County of Albemarle | 22903 |
| Catherine Gillespie    | County of Albemarle | 22903 |
| Jocelyn Prostko        | County of Albemarle | 22911 |
| Betsey Soulsby         | County of Albemarle | 22936 |
| Gayle Davis            | County of Albemarle | 22959 |
| Michelle Kampsen       | County of Albemarle | 22901 |
| Craig DuBose           | County of Albemarle | 22903 |
| Alex Welch             | County of Albemarle | 22902 |
| John Campbell          | County of Albemarle | 22902 |
| Ken Home               | County of Albemarle | 22901 |
| Allison Linney         | County of Albemarle | 22926 |
| Peter Thompson         | County of Albemarle | 22901 |
| Paul Zavada            | County of Albemarle | 22959 |
| Matt Hegemier          | County of Albemarle | 22940 |
| Lauri Ross             | County of Albemarle | 22911 |
| Brad Stoller           | County of Albemarle | 22936 |
| Paul Tucker            | County of Albemarle | 22903 |
| Sandy Reisky           | County of Albemarle | 22936 |
| Gabe Gavin             | County of Albemarle | 22903 |
| Micaela Raine          | County of Albemarle | 22923 |
| Dara Krute             | County of Albemarle | 22911 |
| Sonjia Smith           | County of Albemarle | 22901 |
| Cynthia Allred-Jackson | County of Albemarle | 22901 |
| Marijean Oldham        | County of Albemarle | 22903 |
| Cliff Maxwell          | County of Albemarle | 22901 |
| Wanda SanJule          | County of Albemarle | 22932 |
| Janine Dozier          | County of Albemarle | 22959 |
| Jennis Warren          | County of Albemarle | 22932 |
| Marie Hawthorne        | County of Albemarle | 22943 |
| Andrew Green           | County of Albemarle | 22932 |
| Danielle Fontaine      | County of Albemarle | 22902 |

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| Susannah Hornsby    | County of Albemarle | 22932 |
| Jeffrey Gleason     | County of Albemarle | 22903 |
| Louise Rambo        | County of Albemarle |       |
| Alexander Williams  | County of Albemarle | 22902 |
| Liam Decker         | County of Albemarle | 24590 |
| Nancy Hiles Johnson | County of Albemarle | 22903 |
| Stacey Jackson      | County of Albemarle | 22937 |
| Iva Gillet          | County of Albemarle | 22935 |
| Renee Fuller        | County of Albemarle | 22902 |
| Nora Seilheimer     | County of Albemarle | 22903 |
| Galen Staengl       | County of Albemarle | 22932 |
| Gary Alter          | County of Albemarle | 22923 |
| Max Lorenzo         | County of Albemarle | 22911 |
| Amanda Alger        | County of Albemarle | 22932 |
| Carol Wise          | County of Albemarle | 22911 |
| Irma Mahone         | County of Albemarle | 22903 |
| Margie Shepherd     | County of Albemarle | 22940 |
| Elizabeth seliga    | County of Albemarle | 22932 |
| James Loman         | County of Albemarle | 22932 |
| Charlotte Gibson    | County of Albemarle | 22901 |
| Michael Rettig      | County of Albemarle | 22903 |
| Joan Z Rough        | County of Albemarle | 22901 |
| Alison Peterson     | County of Albemarle | 22932 |
| Joanne Gamble       | County of Albemarle | 22933 |
| Kaye Monroe         | County of Albemarle | 22902 |
| Ursula Goadhouse    | County of Albemarle | 22932 |
| Kristin Breen       | County of Albemarle | 22901 |
| Judith Minter       | County of Albemarle | 22924 |
| Anita Holmes        | County of Albemarle |       |
| Daniela Smith       | County of Albemarle | 22936 |
| Betty Clifton       | County of Albemarle | 24477 |
| Rebecca George      | County of Albemarle | 22901 |
| Hannah O'Donnell    | County of Albemarle | 22902 |
| Kiley Martin        | County of Albemarle | 22901 |
| Tina Morrison       | County of Albemarle | 22932 |
| Catherine Caldwell  | County of Albemarle | 22901 |
| Liza Khutsishvili   | County of Albemarle | 22902 |
| Elizabeth Nisos     | County of Albemarle | 22903 |
| Tracy Carver        | County of Albemarle | 22903 |
| Linda Capacchione   | County of Albemarle | 22911 |
| Cheri Jones         | County of Albemarle | 22902 |
| Sarah Humphrey      | County of Albemarle | 22901 |
| Cecilia Frazer      | County of Albemarle | 22901 |
| Jacob RG Canon      | County of Albemarle | 22901 |
| Charlotte Fracis    | County of Albemarle | 22911 |
| Dreama Joslin       | County of Albemarle | 22943 |
| Miriam Rushfinn     | County of Albemarle | 22959 |
| Jacqueline Lessard  | County of Albemarle | 22901 |
| Deanna Scott        | County of Albemarle | 22901 |
| Jeffrey Grosfeld    | County of Albemarle | 22920 |
| Anne Lindberh       | County of Albemarle | 22902 |
| Stephen Hamilton    | County of Albemarle | 22901 |

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|--------------------|---------------------|-------|
| Mary Kate McDevitt | County of Albemarle | 22902 |
| Brooke Kinsey      | County of Albemarle | 22903 |
| Matthew Crane      | County of Albemarle | 22936 |
| Valerie Hung       | County of Albemarle | 22936 |
| Bill Bradley       | County of Albemarle | 22902 |

**RESOLUTION**  
**IN SUPPORT OF KEY FOCUS AREAS TO ADDRESS IN**  
**THE CITY OF CHARLOTTESVILLE CLIMATE ACTION PLAN**

**WHEREAS**, the weight of scientific evidence and scientific consensus indicates that greenhouse gas emissions from human activities is driving climate change, especially the combustion of fossil fuels that create greenhouse gases; and

**WHEREAS**, climate change has been widely recognized by government, business, academic, and other community leaders as a worldwide threat with the potential to harm our economy, safety, public health, and quality of life; and

**WHEREAS**, the City of Charlottesville resolved in June 2017 to stand with cities and other public and private sector partners throughout the world to advance action in accordance with the with the goals outlined in the Paris Agreement, the first global commitment to fight climate change; and

**WHEREAS**, the City of Charlottesville adopted a Statement of Economic Principles in September 2017 that supports growing a wide array of local industry sectors, the availability of excellent affordable housing, a globally competitive workforce, redevelopment that produces local jobs and affordable housing, builds upon Charlottesville's commitment to sustainability, and promotes active partnerships at the regional level; and

**WHEREAS**, the City of Charlottesville is currently in Phase 2 of implementing its Global Covenant of Mayors for Climate and Energy commitment, and will develop a Climate Action Plan in Phase 3; and

**WHEREAS**, the City of Charlottesville has been involved in and continues to explore a variety of important actions to reduce greenhouse gas emissions in our community; and

**WHEREAS**, 90% of Charlottesville's carbon emissions profile is attributed to residential, commercial, and transportation sector activities; and

**WHEREAS**, initial costs for energy efficiency and renewable energy measures can pose a barrier for residential, commercial, and non-profit property owners and slow adoption of low carbon actions despite many such installations resulting in net-cost savings over their lifetime; and

**WHEREAS**, the private financial sector has access to resources that local government does not and that can aid in increased investment in energy performance of buildings in Charlottesville; and,

**WHEREAS**, the affordability of housing is affected by the cost of the housing unit and the cost of powering the home, known as the energy burden; and

**WHEREAS**, improvements in building energy performance through energy efficiency and renewable energy installations can reduce the energy burden cost for the building occupants and, in many cases, improve the comfort and quality of life of the building occupants; and

**WHEREAS**, local investment in energy improvements for buildings and low carbon strategies requires a skilled local workforce and supports local businesses and industries that are seeing national and global growth, and enables partnerships such as those seen in the GO Solar program; and

**WHEREAS**, strategies to reduce carbon emissions from the transportation sector can include mode shift, fuel switching, fuel economy, reduced travel distance; and

**WHEREAS**, the City of Charlottesville municipal fleet – including transit, school buses, service and maintenance trucks, and passenger vehicles – contributes to community-wide transportation carbon emissions.

**NOW, THEREFORE, BE IT RESOLVED** by the Council of the City of Charlottesville, Virginia that the City of Charlottesville Climate Action Plan, to be developed under Phase 3 of its Global Covenant of Mayors for Climate and Energy commitment, will include, but not be limited to, strategies that address the following:

1. Further enabling private financial sector investment in energy performance upgrades for commercial properties in the City of Charlottesville through adoption of a commercial property assessed clean energy (C-PACE) financing program; and
2. Effective funding programs and models for increased residential energy performance, including programs that are compatible with affordable housing and owner or renter-occupied housing; and
3. The feasibility of integrating zero emission vehicles into the municipal fleet and supporting increased community adoption of zero emission vehicles; and
4. Working in conjunction with regional partners to implement seamless programs and services to increase ease of participation for Charlottesville organizations and residents.