



American Planning Association
Sustainable Communities Division

Making Great Communities Happen

2022 SCD Business Meeting
15 September 2022



American Planning Association
Sustainable Communities Division

Making Great Communities Happen

Welcome!

Jam Board:

<https://bit.ly/3eP3WUf>

SCD By the Numbers...

2,212

Division Members

7,228

Bi-weekly E-bulletin Recipients

937

Full Members

1,275

Student Members



8040

members



2309

followers



1531

followers



310

followers



40

subscribers

Celebrating our Members and Volunteers!



**Kate McMahon,
FAICP**
SCD member
and College of
Fellows Inductee



Scott Turner
APA Board
Member
2022-23



Jessi Eidbo
Secretary-
Treasurer
2023-24



Karla Ebenbach
Chair
2023-25

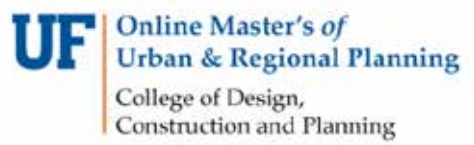
2022 Sponsors

APA

Sustain



SMITHGROUP



Your Name Here!

Vision

Empowered planners creating **sustainable, resilient, and equitable** communities.

Mission

The Sustainable Communities Division provides **resources, information, and best practices** to support planners in creating sustainable, resilient, and equitable communities. Through its forums for **dialogue, collaboration, advocacy, and professional development**, the SCD engages planners in innovatively addressing the evolving ecological, social, and economic factors that shape our communities.

Strategic Objectives

1. PEOPLE

- a. Actively **engage and empower** our membership
- b. Increase and **diversify** our volunteer base
- c. **Mentor** students and emerging professionals to create new leaders

2. EDUCATION

- a. Build on, expand and **diversify** SCD's educational offerings
- b. Spur action by providing **relevant content** to address timely issues
- c. Maximize the channels through which we **communicate**

3. LEADERSHIP

- a. Elevate our resilience and climate action **leadership**
- b. Interweave **equity** into all programs and initiatives

4. PARTNERSHIP

- a. Foster **partnerships** with outside organizations and other divisions to amplify outreach and influence

Chair
Secretary/Treasurer
Past Chairs & Secretary/Treasurers
Committee Chairs
Volunteers

Education

Policy Leadership

Students & Emerging Professionals

Partnership

Communications

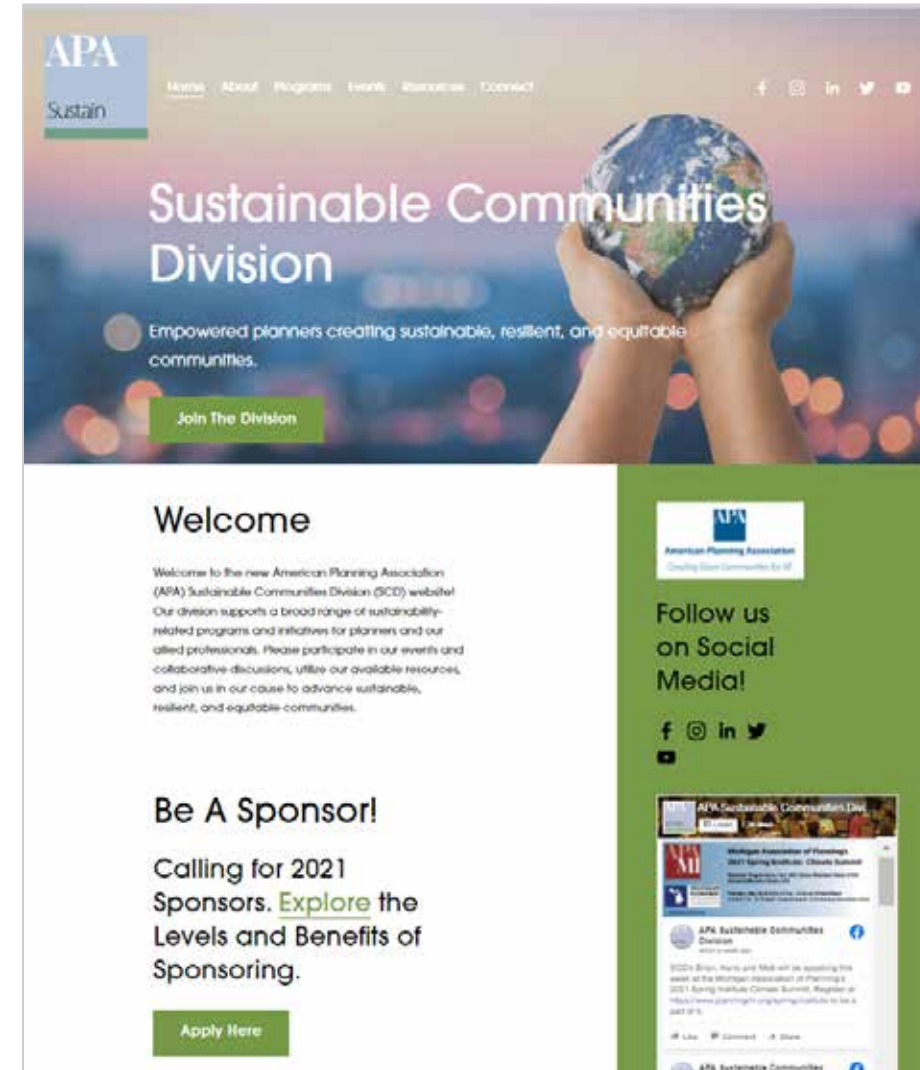
EDI

National Planning Conference

Membership

So Many Ways to Engage!

- Website: www.apascd.com
- LinkedIn: APA Sustainable Communities Division
- Facebook/Twitter: APASCD
- Emails:
 - communications@apascd.com
 - sponsor@apascd.com
 - sep@apascd.com
 - membership@apascd.com
- Subscribe to the Mailing List (E-bulletin, Division communications, etc.): <http://eepurl.com/hpTy6b>



The 9th Annual Awards for Excellence in Sustainability

- Honoring projects, plans, policies, individuals, and organizations whose work is dedicated to supporting and growing **sustainable communities**.





State or Regional Award

- Kansas City Regional Climate Action Plan



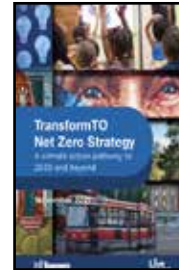
Community-wide Award

- Green Worcester Sustainability and Resilience Strategic Plan



Sub-area Award

- Riverlife: Completing the Loop



Environment, Climate, & Energy Award

- TransformTO Net Zero Strategy



Quality of Life Award

- Southern Nevada Extreme Heat Vulnerability Analysis



Policy, Law, or Tool Award

- Edmonton Carbon Budget



Student Award

- Equity Lenses – Targeting Equitable Community Investment Across Southern California



Cross-divisional collaboration to support planner continuing education in sustainability and resilience topics.

The Series has produced these events:

1. Fire & Water: Extreme Weather Trends & Community Infrastructure (2 - Basics and Intermediate)
1. Climate Science & Planning (2 - Basics and Intermediate)
1. Resilience Includes Planning for Public Health: The Case of American Tribal Communities
1. Technology Tools for Sustainability
2. Federal Funding Tools for Sustainable Infrastructure, Including TOD

Available for 1.0 S&R AICP credit on demand at APA Ohio Planners Webcast Series!



Ways to get involved:



Volunteer!

If you'd enjoy orchestrating an exciting panel of speakers or advising the Series, we need your energy and ideas! Request to join the Steering Committee.

Speak!

If you are an experienced speaker on one of following Series topics (or one of its sub-topics), please send in your CV, including relevant presentation experience.

Promote!

If you'd like to publicize upcoming Series events through a Division, Chapter or Interest Group network, let us know so we can add you to our mailing list.

Possible future Series topics: Climate Adaptation, Climate Mitigation, Social Equity, Economic Strategies, Preparedness Strategies, Policy Tools, Finance Tools, Technology Tools, and Interdisciplinary Approaches.

Email karla@ebenbach.com.

Establish or reinforce partnerships with:

- Like-minded organizations especially those focused on climate change
- Groups focused on equity and racial justice
- Hold a half-day climate-focused symposium

2022 Updates:

- The Sustainable Communities Division held its first online Annual Symposium last week on January 13th, 2022. The panel was composed of 8 speakers and more than 550 individuals registered to attend the webinar.
- Narrowing down list of initial partnership opportunities



SCD First Annual Symposium

National Planning Conference 2022 Recap

APA

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- San Diego, in-person
- NPC also had a virtual component
- Great opportunity to meet with SCD members – some seeing each other in person for the first time!
- NPC chair helped coordinate events, division volunteers, and social media
 - Reception
 - Annual awards
 - Special events
- 14 NPC registration grants this year, totaling \$5,765, for SCD regular and student members as well as SCD volunteers
- Two Climate Champions attended this Fall's APA Policy conference, which will total \$300



- Planned to be in-person in Philadelphia, 2023
- NPC will also have a virtual component
- Great opportunity to meet with SCD members
- NPC chair helps coordinate events and social media
 - Reception
 - Annual awards
 - Special events



Students & Emerging Professionals

APA

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What We Do

Scholarship for Students & Emerging Professionals to attend NPC

Educational Webinars and Literature

Mentorship Program

Students & Emerging Professionals Survey

Professional Speaker Series

National Planning Conference Activities

Virtual Happy Hour / Coffee Meet & Greet with S&EP Members

Ensure Two Co-Chairs for Committee, 1 Student and 1 Emerging Professional

What We Are Up To

Jumpstart Mentorship Program

Virtual Coffee Chat Meetup with Students & Emerging Professionals Members

Students & Emerging Professionals Blog

University Outreach for Students & Emerging Professionals Opportunities

Students & Emerging Professionals Survey will go out in September

Create Shared Events Calendar

Review completed surveys and develop new requested opportunities for members



Policy Leadership – Climate Champions Program

- Extend SCD's outreach on Climate Action
- Engage states, chapters, municipalities
- Fostering regional dialogue and collaboration
- Local and regional resource for planners and allied professionals
- Empower planners to advance climate action in their communities
- Forum for sharing best practices
- Provide content for SCD publications
- Provide input on **Program Tools**
- **Represent 15 States!**

We're always looking for more Champions!

Learn more and Submit your application at
<https://www.apascd.com/climate-champions>



ACCOMPLISHMENTS

- Met 4x this year to-date – Next Meeting 9/22/22
- Attended the APA Policy Conference
- Attended the APA National Planning Conference
- Produced 2 Climate Champion [Videos for NPC2022](#)
- Created a Working Group for Visioning, Planning and Workplan Development – Next Meeting 9/27/22
- Welcomed 4 New Climate Champions
 - Colorado
 - Hawaii
 - New Mexico
 - Ohio



SUSTAINABILITY & CLIMATE CHANGE NEWS & UPDATES

- Stockholm University & ETH Zurich find that [all rainwater on Earth unsafe to drink](#) due to 'forever' chemicals
- Biden signs [climate, tax and health bill](#) into law
- The [price of solar](#) electricity has dropped 89% in 10 years
- [Dutch Court ordered Shell](#) to cut its carbon emissions by 45% by the year 2030
- A Kenyan woman opened a [business converting plastic waste into sustainable materials](#), a material stronger than concrete.
- Coral Reefs are recovering – [Great Barrier Reef](#) has most coral in decades
- [Reflective streets in LA](#) are helping cool down neighborhoods, reduce emissions, and keep people healthy
- [Fifth National Climate Assessment](#) (NCA5) is underway and anticipated in 2023



SYSTEMS PLANNING

GOVERNANCE & REGULATORY FRAMEWORKS ARE NOT PERFECT, IMPACTING SOCIO-ECONOMIC, AS WELL AS PHYSICAL AND ENVIRONMENTAL SYSTEMS.

PLG2050 COMMITMENTS ADDRESS THE NEED TO FIX SYSTEMS & BECOME CARBON NEUTRAL, EQUITABLE AND RESILIENT.



METRICS & ACTIONS

PLG2050 COMMITMENTS ASSESS AND IDENTIFY POSITIVE SYSTEM SYNERGIES THAT ARE IMPACTFUL, AND WORTH REPLICATING AND/OR SCALING.

PLG2050 COMMITMENTS SUGGEST THRESHOLD OF IMPROVEMENTS FOR THESE METRICS TO ENSURE SYSTEMS WILL BECOME CARBON NEUTRAL, EQUITABLE AND RESILIENT



SCALABLE



REPLICABLE



COMMITMENT & MONITORING

PLG2050 COMMITMENTS ARE VOLUNTARY AND PERFORMANCE BASED, WITH SHORT-TERM AND LONG-TERM GOALS.

COMMITMENTS INCLUDE A "REPORTING" PROGRESS ON THE METRICS AND ACTIONS (DEFINED BY CITIES & COMMUNITIES).



#PLANNING2050



PLACE

PLG2050 COMMITMENTS ASSESS THE GEOLOCATION IMPLICATIONS OF SCALABLE AND REPLICABLE METRICS.

THIS WILL PROVIDE A TOOL FOR OPTIMIZATION OF LOCATION-BASED ACTIONS.

WHY

HOW

WHAT

WHERE

PLANNING2050

CRITICAL SYSTEMS WILL BECOME CARBON NEUTRAL, EQUITABLE AND RESILIENT BY 2050.

Planning 2050



WHO SUPPORTS PLANNING2050?

PLANNING2050 is a multidisciplinary effort supported by various professional organizations.

As a systems thinking approach overlaps diverse perspectives, **PLANNING2050** successfully brings together various disciplines to help solving important problems.

ADVISORY BOARD 2022-2023

- AIA | Carlton Hart, National Capital Planning Commission
- USGBC | Vatsal Bhatt, LEED for Cities
- APA SCD | Merrill St Leger Demain, Smith Group
- CNU | Rick Cole, Executive Director
- ISI | Anthony Kane, CEO Institute for Sustainable Infrastructure



TODAY
PLANNING2050
Commitments signed

2025

ONGOING MONITORING & REPORTING

Metrics and Actions are defined by Cities and Communities

2050

Future
Commitments
signed

| DEVELOPMENT WORKING GROUP (DWG)

45+
members

23
US states
represented &
International
presence

6+
industries & built-
environment
sectors /
professions

PLANNING2050 VALUE PROPOSITION

- National and International Recognition.
- Large-impact & holistic link between infrastructure, buildings and natural environments.
- Connecting resilience, sustainability and social equity in a single platform.
- Various sectors and professions collaboratively solving complexity.
- Embrace flexibility, and technology for rapid adaptation.
- Simple access and step-by-step guidance.



PLANNING COMMITMENT
systems | analytics | solutions

PLANNING COMMITMENT, INC. is a non-profit organization that will support, monitor and ensure development, evolution, and transparency of PLANNING 2050.

WWW.PLANNINGCOMMITMENT.ORG

info@planningcommitment.org

- Mission - Addressing innovations in technology to plan cities that are smarter, more resilient, and sustainable.
- Updated White Paper & New PAS Report
- January Virtual Happy Hour & Webinar
- Chula Vista Mobile Workshop
- NPC Annual Meeting
- More to Come in 2022/23 - www.apascd.com/smart-cities



Policy Leadership – Climate Change PAS Report

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- Planner Advisory Service (PAS) Report # 601
- Comprehensive replacement of the 2010 PAS Report related to Climate Change & Energy
- Focuses on pertinent information planners need to know about climate mitigation and adaptation
- Introduces the interconnectedness of climate resilience planning
- Authored all facets of the PAS Report by SCD volunteers



Policy Leadership – Existing Climate Action Tools

Data Collection Process Guide
Existing Conditions Component of Climate Action Workplans

Data | **Description** | **Sources and Optional Methods**

Total Electricity and Community
Take annual electricity use in community to calculate reduction targets and calculate land, transportation and building energy use by sector.

Total Natural Gas and Community
Take annual natural gas use in community to set reduction targets and calculate GHG emissions (and by sector if available).

Utility Generation and Emissions Profile
The generation mix includes the total energy output that is used to generate electricity for the utility that serves your community. The generation mix is used to calculate the emissions factor to determine the greenhouse gas emissions that result from electricity consumption. This information may be available from the utility or the generation and transmission utility that your utility purchases electricity from. There are additional resources for this information at [Statista](#) where it is available.

Current Solar Generation
Knowing the location your generation can be used to offset emissions reductions to local electricity consumption. If the generation is located in your community, you can use the [APAs Solar Database](#) to find the location of solar generation in your community.

Data Collection Process Guide

Filter by Type

- Model Ordinance
- Example Ordinance Language from Communities
 - City
 - County

Filter by Population

- Less than 10,000 (rural)
- 10,000 to 50,000 (small urban area)
- 50,000 to 1 million (metro)
- Greater than 1 million (large metro area)

Filter by Sector

- Transportation
- Energy / Renewable Energy
- Climate

Filter by Buildings

- Buildings
- Land Use
- Waste

Search:

Name	Topic	Author	Example Language	Location
Model Solar Zoning Ordinance for New Hampshire	Solar	New Hampshire Sustainable Energy Association	--	New Hampshire
Model Small-Scale Solar Siting Ordinance	Solar	Columbia Law School Center for Climate Change Law	--	Nation
Model Solar Zoning Ordinance for Kentucky	Solar	Kentucky Resources Council	--	Kentucky
Model Solar Zoning Ordinance for Georgia	Solar	Emory Law School, Georgia Institute of Technology, and University of Georgia	--	Georgia
Model Solar Energy Local Law - New York State Solar Guidebook	Solar	NYSERDA	--	New York
Model Ordinance - Solar Tax Exemption	Solar	Virginia Department of Environmental Quality	--	Virginia
Model Utility, Community, & Residential Scale Wind	Wind	Virginia Department of Environmental Quality	--	Virginia

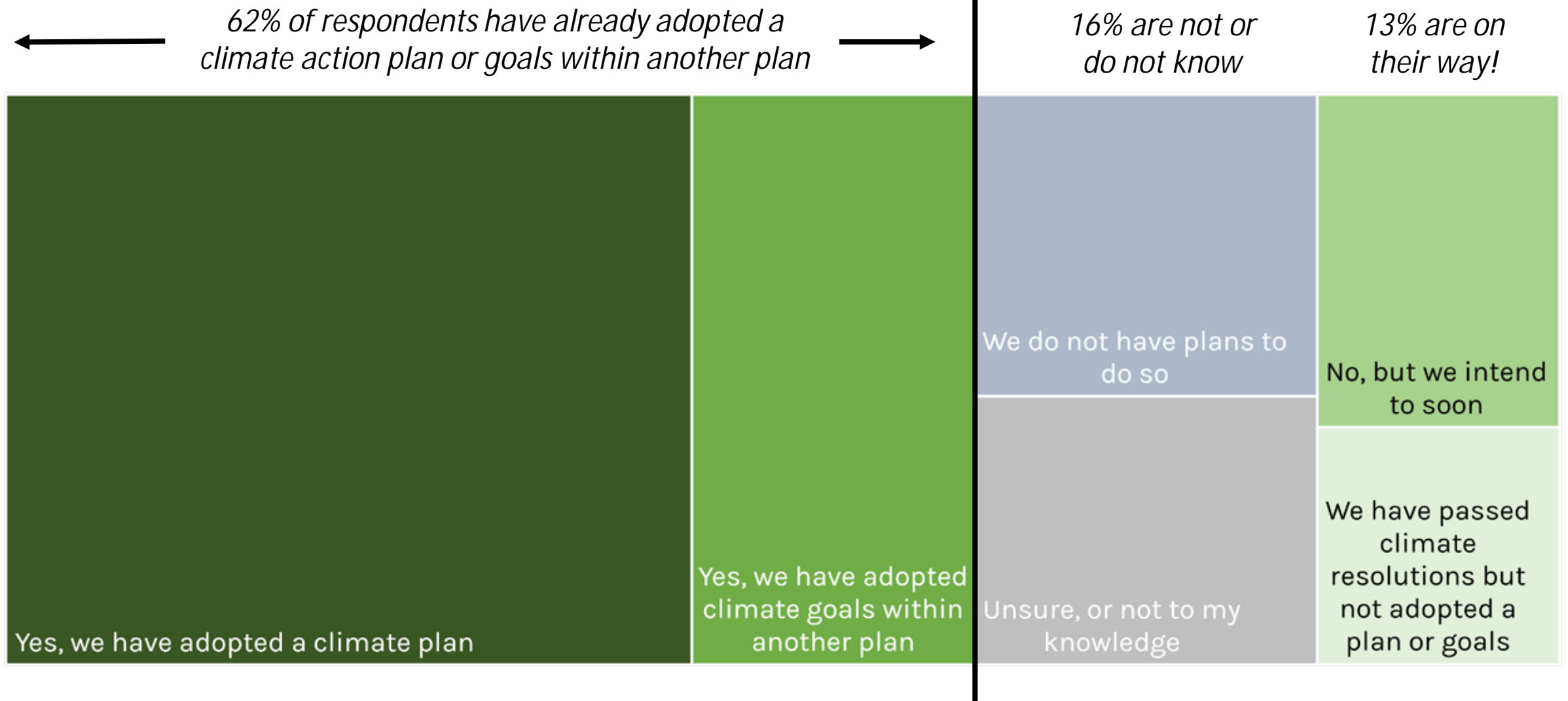
Download Current Results | Open Table in New Tab | Download Spreadsheet

Climate Ordinance Inventory

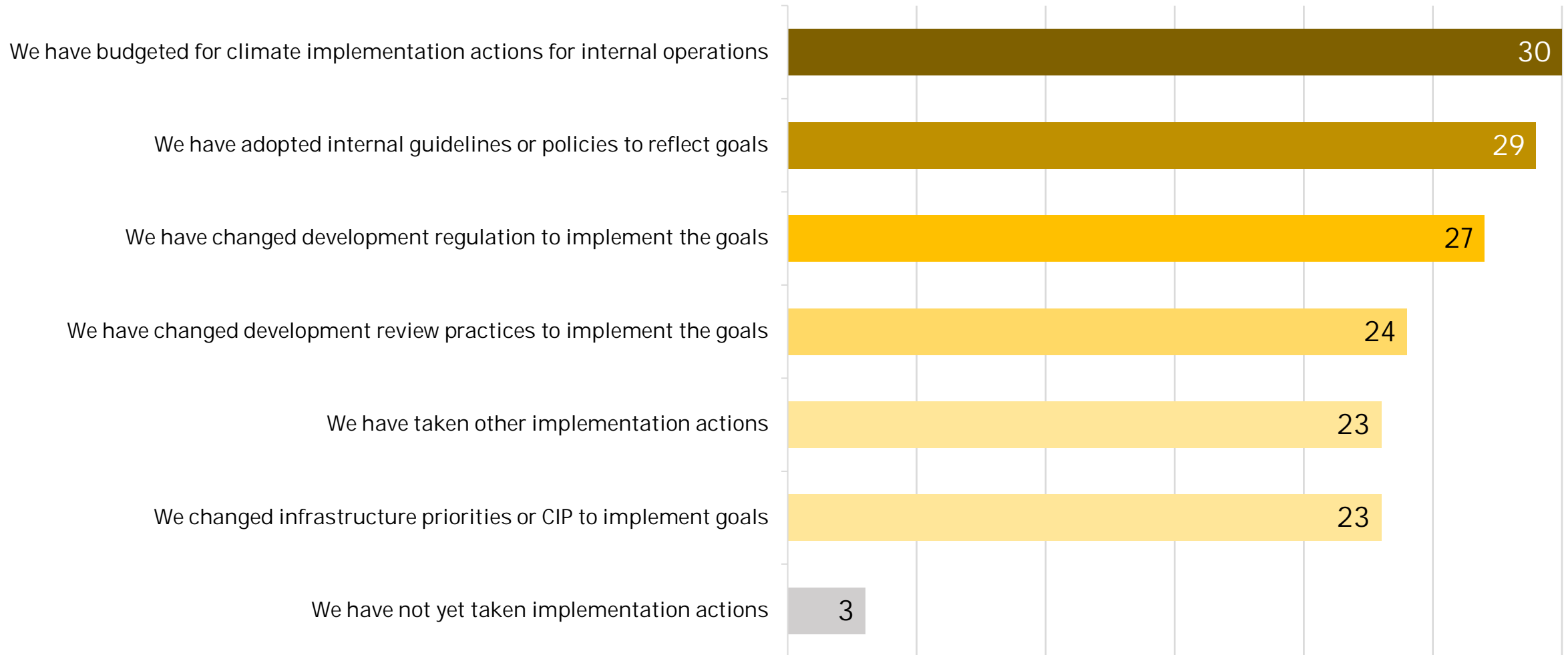
Overall Climate Goals	Is proposal consistent with community's climate goals?
The City of Climateopolis has adopted climate action goals to lower total GHG emissions across the city by 80% by 2040. Does the proposed project address reduction of GHG emissions?	<input type="checkbox"/> Does not contribute to the goal <input type="checkbox"/> More information is needed <input type="checkbox"/> Contributes to the goal
Commercial/Industrial Efficiency	
The City of Climateopolis has identified that commercial building energy efficiency needs to be substantially more efficient than minimum energy code standards in order to meet the City's GHG reduction targets.	<input type="checkbox"/> Contributes to the goal <input type="checkbox"/> More information is needed <input type="checkbox"/> Does not contribute to the goal
Does the proposed project exceed (meet a higher level of efficiency) minimum energy code requirements?	<input type="checkbox"/> Meets code <input type="checkbox"/> Exceeds code (describe) <input type="checkbox"/> Third party certification (provide)
Does the proposed project enable future adaptation strategies for increasing building energy efficiency?	<input type="checkbox"/> No strategies identified <input type="checkbox"/> Includes adaptation strategies (describe)

Development Review Checklist

Climate Action Planning Initiatives and Familiarity



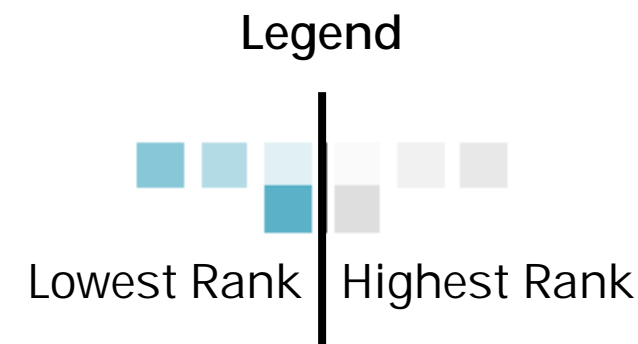
Climate Action Planning Initiatives and Familiarity



Planners' Tools Survey Results

What do planners see as their most important function(s) in addressing climate issues at the local level?

	Rank	Rank Distribution
Incorporating climate goals into zoning or other development regulations	1	
Developing climate plans	2	
Addressing climate resilience and preparedness of government infrastructure and operations	3	
Funding for infrastructure improvement, which may include things like stormwater utilities, carbon taxes, developer fees that reflect environmental cost	4	
Education of officials or the public	5	
Development review or development agreements, (for example, ensuring development of low-carbon built environment like buildings and vehicles)	6	
Infrastructure improvement	7	
Climate planning or climate policy implementation is not a local government function	8	



Planners' Tools Survey Results

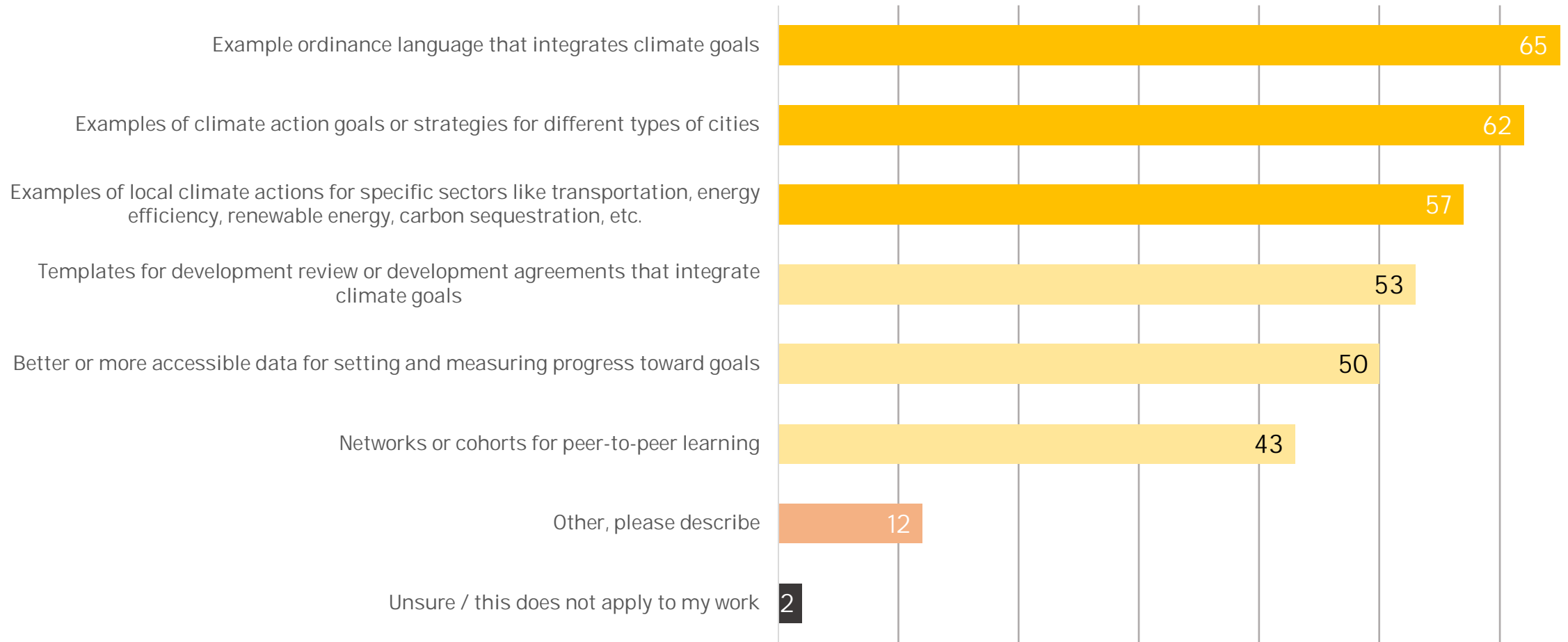
What do you see as the most important function(s) of planners in your state in addressing climate issues at the local level?



Highlights:

- Transportation infrastructure investment that prioritizes alternatives to cars
- Equity-based investment in infrastructure improvements
- Coordination and collaboration across units of government

What tools best enable planners to achieve climate or carbon-reduction outcomes?



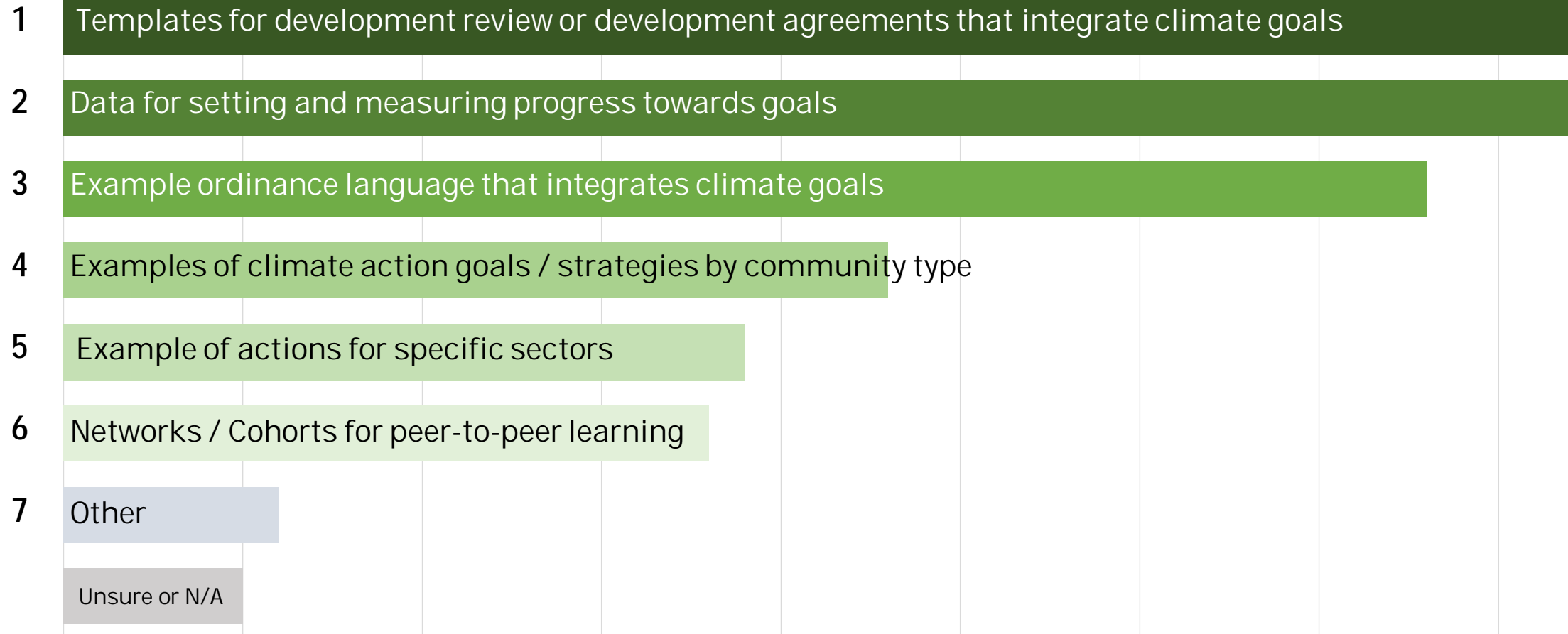
What tools best enable planners to achieve climate or carbon-reduction outcomes?

Others:

- Community-specific AND sector-specific case studies (i.e., rural communities)
- Scenario-based modeling for specific actions
- Data repository for climate planning information
- Templates for specific actions (i.e., air control on short duration flights)
- Training on climate tools, software, and certifications
- Meaningful integration of social, economic, and racial justice
- Financial assistance

Planners' Tools Survey Results

To that end, what tools are currently MISSING?



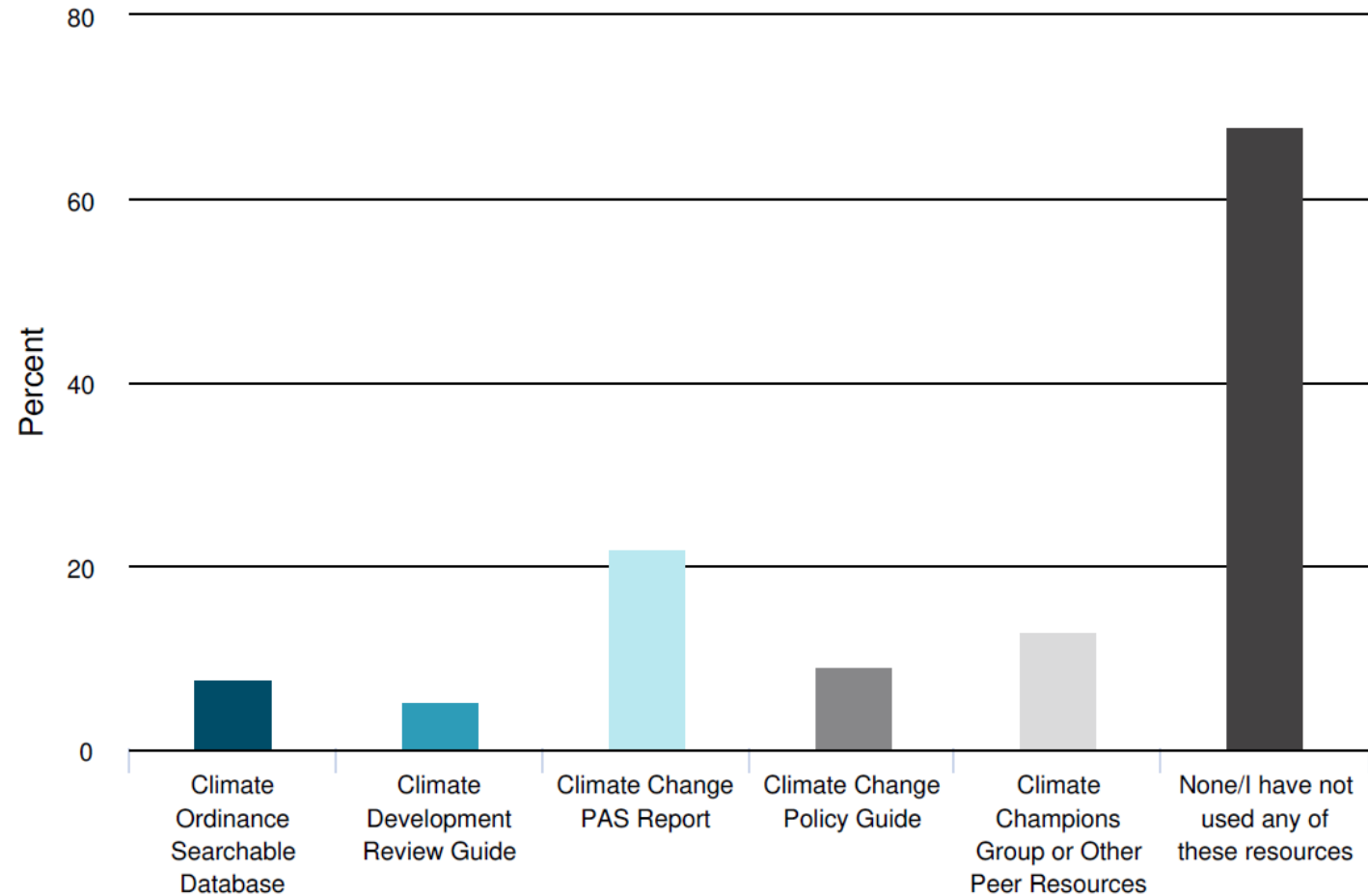
To that end, what tools are currently MISSING?

Others:

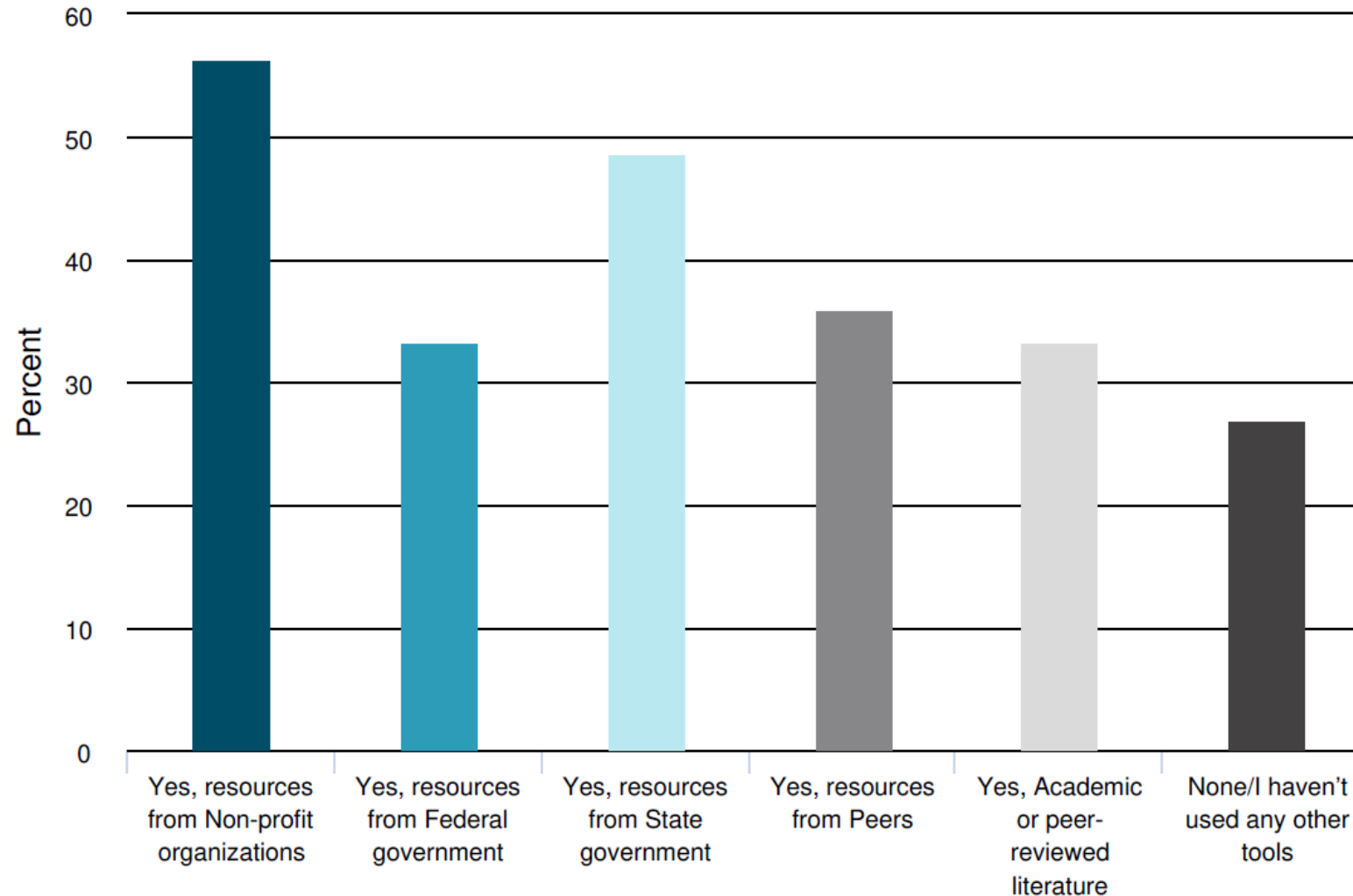
- Outreach and Engagement materials
- Financial resources
- Nature-based solutions, as opposed to energy consumption and emissions, specifically in tools
- Case studies for specific sectors (i.e., resilient buildings)
- Additional Training

APA SCD has co-developed some tools! What are planners using?

- Very few!
- The Climate Change PAS report was the most widely utilized, followed by peer resources (like Climate Champions)



Are planners using other tools for climate and sustainability work?

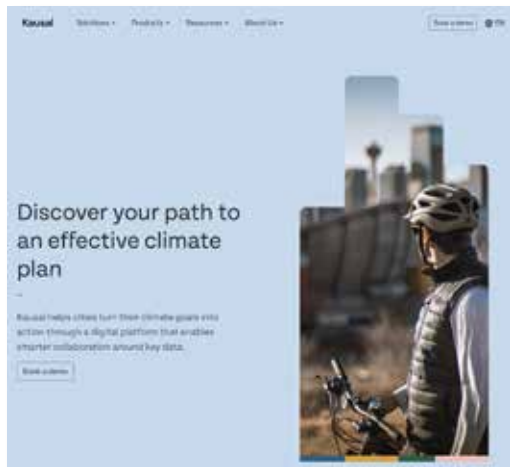


Are planners using other tools for climate and sustainability work?

Highlights:

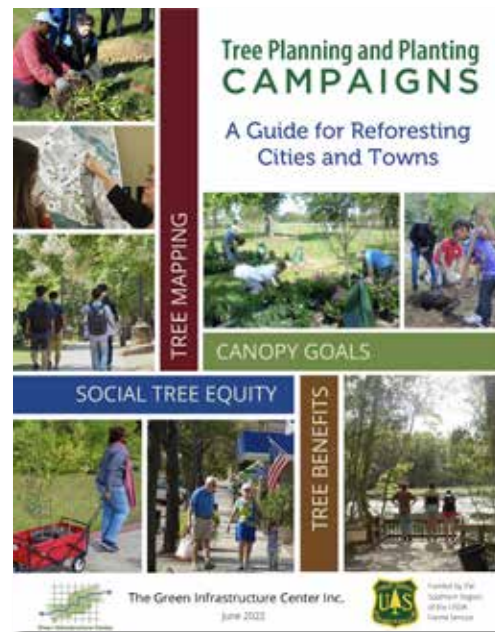
- Over 40 examples submit; many place-specific studies or plans
- Example resources:

Kausal



kausal.tech

Reforestation Guide



http://www.gicinc.org/PDFs/TreePlantingCampaignGuide_GIC_June2022.pdf

Nature-Based Solutions Report



https://wwfint.awsassets.panda.org/downloads/exe_wwf_a4_template_sbn_final2.pdf

Collaboratory-action for working with communities with limited resources



https://sustainability.hapres.com/htmls/JSR_1328_Detail.html

Next Steps

- Survey will be open through the end of October for additional feedback
- Survey results will be further analyzed, and compared with findings from the 2020 administration of a similar survey, to analyze any change over time



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Making Great Communities Happen

Climate Planning Survey Drawing!

For providing input for the survey, and providing both name and e-mail, 71 respondents were eligible!

Four respondents will be randomly selected to receive one (1) \$15 gift card each to the Zero Waste Store.



American Planning Association
Sustainable Communities Division

Making Great Communities Happen

Discussion!

Jam Board:

<https://bit.ly/3eP3WUf>

Climate Planning Tools Survey:

<https://survey.alchemer.com/s3/6984088/APA-Sustainable-Communities-Division-Survey>