



## SEEC Virtual Forum: Webinar 17

November 4, 2020 | 11:00 – 12:15 PM PST

### Mapping Energy Efficiency, Climate Planning, and Regional Partnerships



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# Upcoming Events

Learn more and register at:

[californiaseec.org/2020-forum/](https://californiaseec.org/2020-forum/)



**11/12 - Webinar 18:** One Vision, Many Policy Paths to Local Decarbonization

**11/17 – BPC Spotlight Event 2:** What Do We “SEEC” Next? An Interactive Forum Closing



# Join the SEEC Peer-to-Peer Network on LinkedIn!



*Use this group to connect with other professionals, whether it be for project support or professional development reasons!*

Find us at <https://www.linkedin.com/groups/8956010/>



## Q&A

- Submit questions for panelists through the Q&A module at any point during the webinar.
- Upvote questions that you are interested in hearing responses to.

Audio Settings ^



Chat



Raise Hand



Q&A

Leave Meeting

## Chat

- Engage in a dialogue with your peers – share resources, case studies, and best practices
- Reach out to LGC staff if you encounter technical issues or have questions about the SEEC Forum.





# Mapping Energy Efficiency, Climate Planning, and Regional Partnerships

November 4th, 2020

SEEC 2020 Virtual Forum



# Panelists



**Chris Nanson** - Senior Account Executive, San Diego Gas and Electric (SDG&E)  
(Moderator)



**Lisa Walker** - Research Assistant, The San Diego Regional Climate Collaborative



**Anna Lowe** - Senior Regional Planner, San Diego Association of Governments



**Yichao Gu** - Technical Policy Analyst, Energy Policy Initiatives Center, University of San Diego



**Christiana DeBenedict** - Director, The San Diego Regional Climate Collaborative



**Mike Grim** - Senior Programs Manager, City of Carlsbad

Chris Nanson - Moderator

San Diego Gas & Electric (SDG&E)



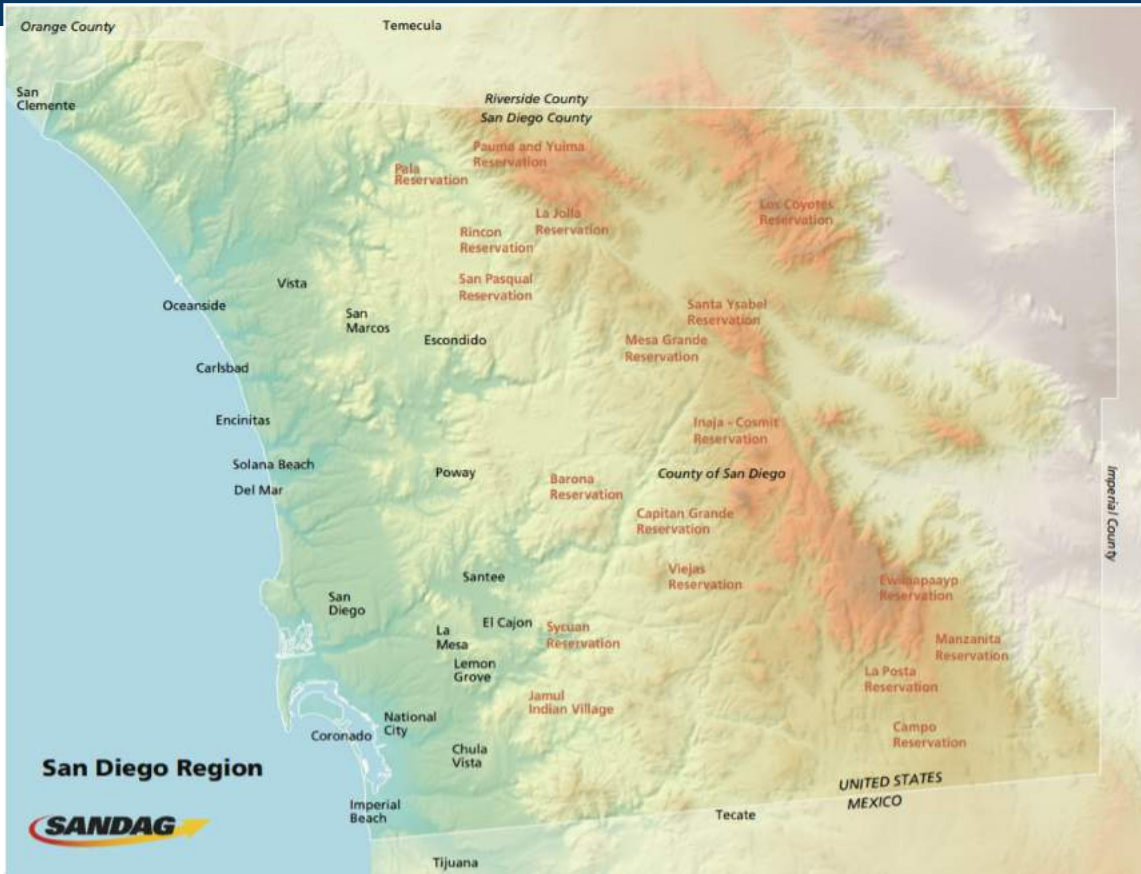


Anna Lowe

San Diego Association of Governments  
(SANDAG)

***SANDAG***

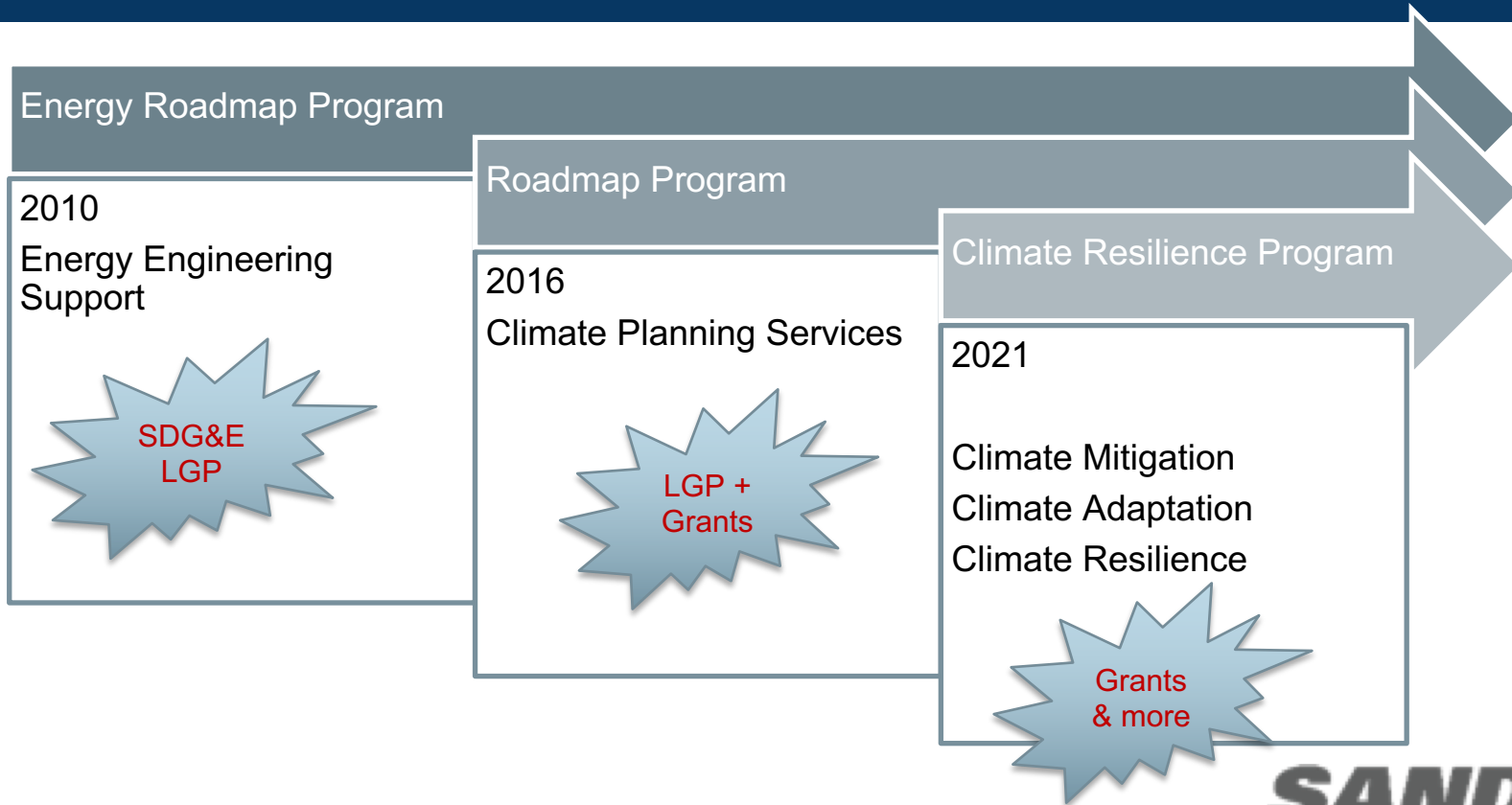
# SANDAG Who?



- **Who we are:** 18 cities and the County of San Diego (plus advisory members)
- **What we do:** MPO, COG, RHNA, Air Quality Planning (co-lead), Regional Beach Sand Replenishment, and more...
- **Why we do it:** State and Federal Law, and to support the needs of the region

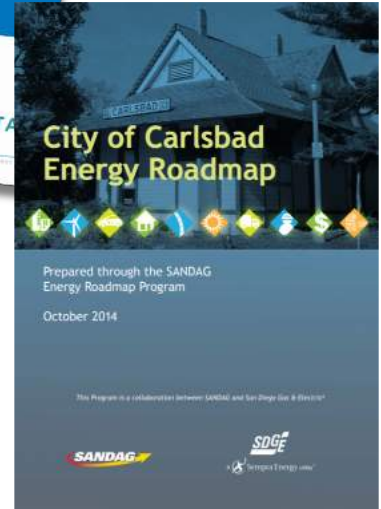
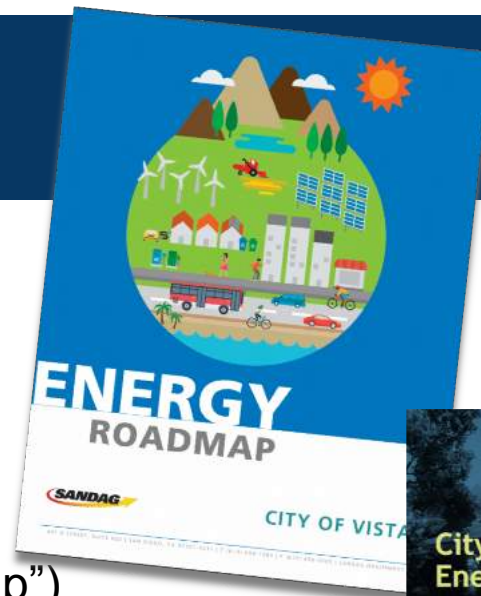
Regional Transportation Plan  
Sustainable Communities Plan  
Regional Comprehensive Plan

# SANDAG Programs and Partnerships



# Energy Engineering

- Energy Engineering Support
  - SANDAG member agencies
  - Municipal facilities
- Facility/Site Assessments
- Energy Management Plans (“Energy Roadmap”)
- Energy Roadmap Implementation
- Benchmarking and Performance Monitoring
- Feasibility Studies



# Climate Action

- Climate Action Planning Support
  - SANDAG member agencies
- Regional Climate Action Planning Framework (ReCAP)
- ReCAP Snapshots
  - GHG inventory and monitoring reports
- Climate Action Data Portal
  - [climatedata.sandag.org](https://climatedata.sandag.org)



# Regional Collaboration

- San Diego Regional Energy Partnership (SDREP)
  - Region-wide partnership of the five LGPs
- San Diego Regional Climate Collaborative
  - Founding member

**SANDAG**



Christiana Debenedict  
Lisa Walker  
Yichao Gu

San Diego Regional Climate Collaborative  
Energy Policy Initiatives Center, University of  
San Diego





# San Diego Regional Climate Collaborative



Our mission is to connect the region to advance climate change solutions that mitigate and adapt to the effects of climate change. By bringing people together, we envision a region that is **prosperous** and **resilient**. We are committed to maintaining a high quality of life, and fostering a green and growing economy with an equitable and unified approach.



# Sustaining Regional Impact

*Connecting the region to advance climate change solutions*

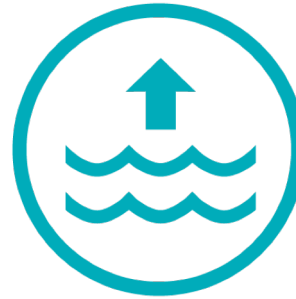


- Engaging Our Members
- Strengthening Our Climate Resilience Hub
- Leveraging Collaborative Capacity
- Establishing Strategic Partnerships



# Our Programs

- **ENERGY EFFICIENCY (EE):** Developing regional capacity for addressing EE, providing network meeting and training opportunities throughout the region, and increasing the visibility of and supporting regional leadership to advance EE
- **COASTAL RESILIENCE:** Convening the Regional Sea Level Rise Working Group, supporting regional leadership and application of research, and conducting a Regional Adaptation Needs Assessment
- **CLIMATE-SMART WATER:** Hosting interdisciplinary climate and water meetings, Participating in the San Diego Integrated Water Management Regional Advisory Committee, and providing technical support for climate and water-focused planning efforts
- **ADAPTATION PLANNING AND REGIONAL ASSESSMENT:** Hosting monthly meetings with our Adaptation and Policy Working Group, staying engaged with the Alliance of Regional Collaboratives for Climate Adaptation (ARCCA), providing technical support for local and regional adaptation planning efforts.



# Energy Efficiency Story Map

- Developed using ESRI's updated StoryMap platform as part of our partnership with San Diego Regional Energy Partnership (SDREP)
- Highlights the climate planning that is happening in the region and specifically looks at the role of energy efficiency within Climate Action Plans
- Maps energy efficiency measures and reach codes connected to Climate Action Plans in the region.
- Showcases energy efficiency case studies
- Available here - <https://arcg.is/1LvWj0>



# Question to the audience

**What do you see as some of the major obstacles for integrating reach codes and local ordinances in Climate Action Plan processes?**

Chat us your replies



Mike Grim

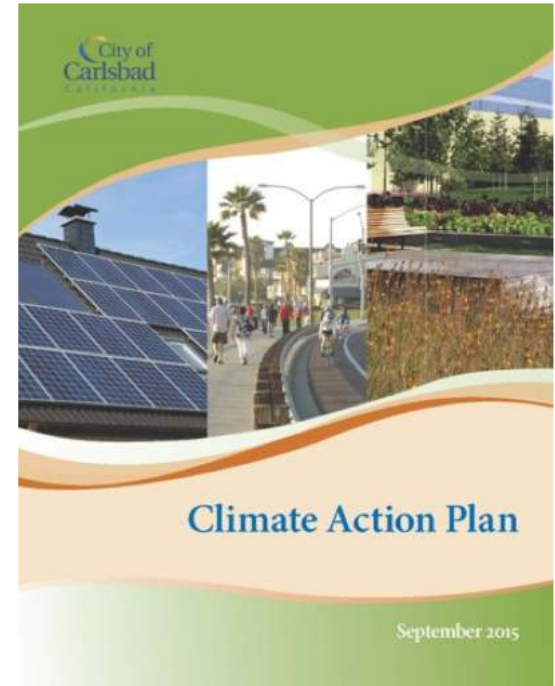
City of Carlsbad



# City of Carlsbad Climate Action Plan



- Adopted in 2015 and amended in 2020
- Five strategy areas:
  - Energy efficiency
  - Renewable energy
  - Transportation
  - Water
  - Public outreach and education

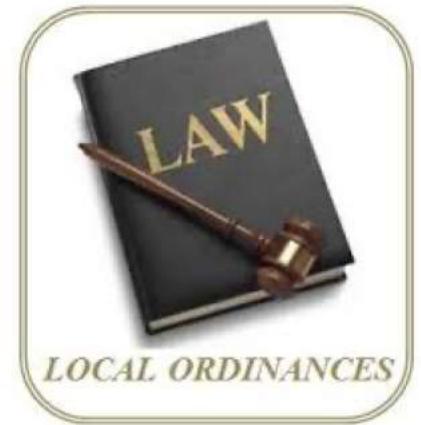




# Climate Action Plan Ordinances



- Energy efficiency for existing buildings
- Solar photovoltaic systems for new and existing buildings
- Alternative water heating for new buildings
- Electric vehicle charging for new and existing buildings
- Transportation Demand Management



# Energy Efficiency Ordinance



- Ordinance applies to major alterations to existing residential and non-residential buildings
- California Energy Commission requires cost-effectiveness study, based upon “climate zone”
- Cost-effective measures yield relatively low greenhouse gas emissions reductions
- Implementation strategy focuses on education and behavior change

# Home Energy Score Assessment Program



- Ordinance allows for exemption if US Department of Energy Home Energy Score is seven or greater
- City operates and funds local Home Energy Score Assessment program
  - Contracts with certified assessors
  - Customized energy efficiency education materials
  - Embedded in normal building permit process



# Regional Partnerships and Collaborations



- Energy efficiency ordinance preparation and outreach funded through SDG&E's Emerging Cities Program
- SANDAG Energy Roadmap Program
  - Energy audits and energy conservation support
- SANDAG Regional Climate Action Planning Program
  - CAP implementation, GHG inventories, data portal
- San Diego Regional Climate Collaborative
  - Energy Efficiency Program, education and coordination



# Statewide Collaborations



- Statewide Reach Code Program
  - Sponsored expansion of residential cost-effectiveness study
- Energy Upgrade California
  - Provides materials for energy efficiency outreach and education
- California Green Business Network
  - Assists businesses with energy efficiency measures



# Q&A



# Contact Information

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- Anna Lowe - Anna.Lowe@sandag.org
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- Yichao Gu - ygu@sandiego.edu
- Lisa Walker - lwalker@sandiego.edu
- Mike Grim - mike.grim@carlsbadca.gov



**Thank you**

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