The background of the slide is a scenic landscape featuring a large body of water in the foreground, a dense forest of evergreen trees in the middle ground, and a range of mountains with some snow-capped peaks in the distance under a clear sky. The text is overlaid on this image.

Informational Presentation on **Proposed Climate-Smart Code Amendments**

Presented by UC Davis EPM Team

Diana Giraldo | Kamryn Kubose | Michael Macon
Thomas McNairn | Flor Rizo

Presentation Overview

- Project and team background
- Direction and scope of work
- Overview of workshops and community engagement
- Recommendations in VMT reduction, EV charging, solar, and dark sky
- Conclusion, next steps, and questions



Project Background

- Building from the 2013 Sustainability Action Plan
- 80% of plan actions implemented or underway
- Kamryn's summer internship 2022
 - Climate Smart Code research
 - October 2022 Governing Board direction
- TRPA partners with UC Davis Policy Clinic (January 2023 - present) to advance "Proposed Climate-Smart Code Amendments" project

Project Partnership Team

Environmental Policy and Management Team

- Diana Giraldo
- Kamryn Kubose
- Michael Macon
- Thomas McNairn
- Flor De Maria Rizo



UC DAVIS

Graduate Program of
Environmental Policy and Management

TRPA Staff

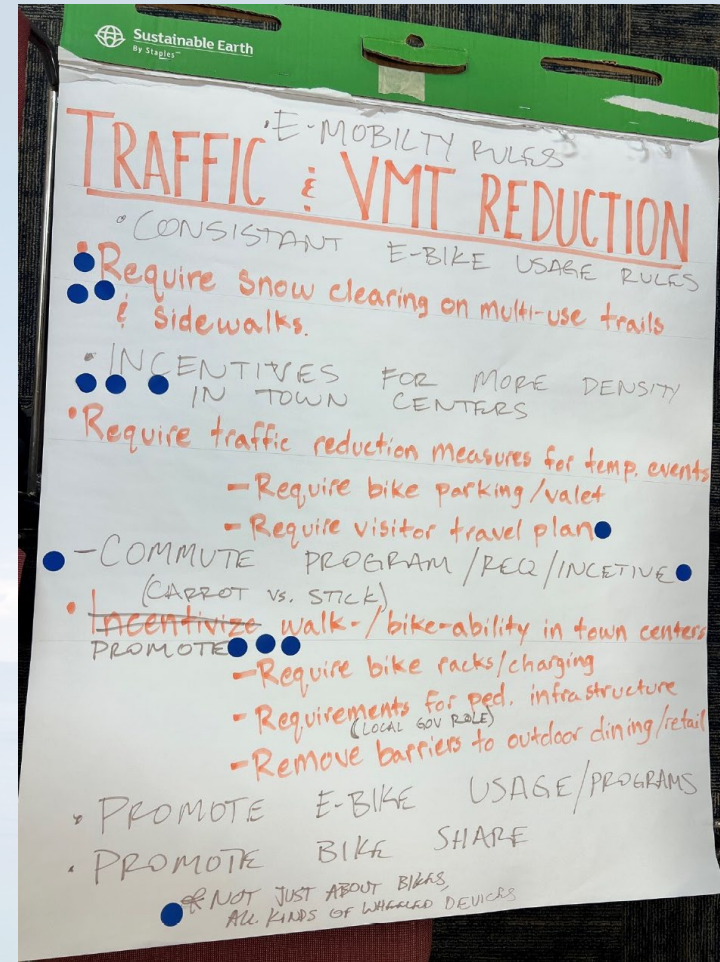
- Jacob Stock
- Devin Middlebrook
- Kira Smith



**TAHOE
REGIONAL
PLANNING
AGENCY**

Governing Board Direction

- Workshop to prioritize climate smart code amendments
- October GB Meeting - Prioritization Activity
 - GB members voted on ideas and offered additional suggestions



Scope of Work

Deliverables:

1. Outreach and participation plan
2. Draft code language backed by research and informed by stakeholder workshops
3. Educational fact sheets for staff to use in the future

Process for identifying focus areas included:

- GB priorities
- Stakeholder survey (24 respondents)
- Feasibility given the time frame and environmental analysis requirements

Scope of Work

Focus Areas:

1. Reduction of traffic congestion from temporary events
2. Promoting electric vehicle (EV) charging
3. Remove barriers to small-scale energy generation
4. Updating exterior light requirements for efficiency and dark sky preservation



Public Engagement: Working Groups

1. Stakeholder engagement plan
2. Outreach and participation plan
3. Working group meetings with technical expertise

- 3 meetings
- ~ 8 participants per meeting
- engagement through email

Stakeholder engagement plan template



Activity: Remove barriers to small scale energy generation

What barriers or challenges are there in the code that prevent small scale energy generation?

Tree removal should be easier
Inconsistency between permitting agencies. Particularly fire safety regulations and offsets

Tie to fuels reduction and solar benefit- bring this up with Kat

Scenic requirements, glare, other issues that would come up from rooftop solar for residential/commercial?
Chapter 66 - Scenic Quality
Section 83.11.2 Design Standards within Shorezone (Glare)

non-reflective coating in scenic corridors
Redefine solar panels are a scenic benefit, or at least neutral

Could we tie Fire Adapted Community designation with solar permit fee relief for the whole neighborhood or something like that?
The historical density of trees here is known. So, cutting down trees where we know it is way more dense than historical levels should not be an issue.

Focus on fuel reduction benefits from removing trees for properties located in High Fire Severity Zones.

Should there be building requirements/incentives regarding passive solar construction?
PCSP Strategy E-4: Encourage new residential, office, and commercial development, to implement CALGreen Tier 1 standards and accelerate 2021 in new construction.
Not incentivized enough either. Not requiring building solar systems. City of Berkeley needs code that might be able to incorporate this, then.

Maybe incentives?
Maybe talk to Karen and Alyssa about the housing incentives they're working on? Could we connect those to climate as well?

How to deal with cutting down trees vs solar installations
Section 61.1.4.C - Tree Removal for Solar Access
Has solar technology advanced to the point where tree removal is still necessary?
Every panel gets a shading score that is part of the math that determines the total size of the installation. More shading = more panels needed = more expensive and more space needed
No climate expert is making the case that California needs to plant more trees in order to sequester carbon. We need to cut down more trees around here anyway.

Traffic Reduction from Temporary Events

Governing Board Priorities

- Promote walkability and bike-ability in town centers
- Require visitor travel plans
- SAP 4-32

Goals

- Reduce traffic congestion and reliance on cars by promoting alternative modes of transportation

Recommendations

- TRPA should work with local partners to ensure that temporary events prepare a transportation plan
- Consider requiring plan for temporary use permits



Promoting Electric Vehicle Charging

Governing Board Priorities

- Streamline EV charger installation

Goals

- Expand access and protect thresholds
- Promote universal charging stations for all EV users

Recommendations

- Set EV capable standards for parking areas in all land use types.
- Streamline installations for EVSE with partial coverage exemptions
- Define electric vehicle chargers



Small Scale Energy Generation

Governing board priorities

- Remove barriers to installing small scale energy

Goals

- Streamline permitting processes
- Clarify code language on solar energy
- Consider solar and green energy a scenic enhancement, not a burden

Recommendations

- Consider a qualified exemption for rooftop solar
- Additional height exemption for rooftop solar
- Partial coverage reduction for ground solar
- Health and safety consideration for tree removal
- Include solar facilities as a primary use



Dark Sky Standards

Governing Board Priorities

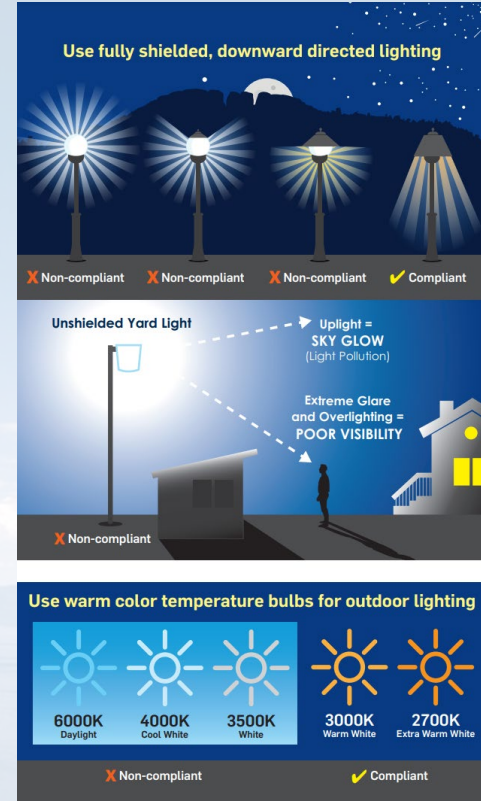
- Update light requirements for efficiency and dark sky

Goals

- Become internationally dark sky certified
- Require efficient outdoor lighting

Recommendations

- Add dark sky requirements to exterior lighting standards
 - Color temperature below 3,000 Kelvin
 - Light output limitations by land use



Summary


Recommendations:

- Work with local partners; Consider requiring a transportation plan for temporary use permits that promote alternative modes
- Streamline the installation of EV charging stations
- Consider qualified exemptions for rooftop solar
- Add dark sky requirements to the exterior lighting standards

Next Steps

- Address RPIC Comments
- Finalize Recommendations
- Complete IEC and Conformance Analysis
- Adoption Hearings
- Education and Implementation





Thank you!

Questions?