

# Sonoma Climate Mobilization Strategy Update

November 24, 2020



| Initiative                      | Sector          | Strategy   |
|---------------------------------|-----------------|--|
| Decarbonization                 | Building Energy | <ul style="list-style-type: none"> <li>1. All Electric Buildings Campaign</li> <li>2. Carbon-Free Electricity</li> </ul>   |
|                                 | Transportation  | <ul style="list-style-type: none"> <li>3. Drive Less Sonoma County Campaign</li> <li>4. EV Access for All Partnership</li> <li>5. Sonoma County Vehicle Miles Traveled Bank</li> </ul>   |
|                                 | Solid Waste     | <ul style="list-style-type: none"> <li>6. Zero Waste by 2030</li> </ul>  |
| Sequestration                   |                 | <ul style="list-style-type: none"> <li>7. Countywide Carbon Sequestration Campaign</li> <li>8. Create Capital &amp; Social Infrastructure for Sequestration</li> </ul>   |
| Resilience and Adaptation       |                 | <ul style="list-style-type: none"> <li>9. Energy Grid for the Future</li> <li>10. Climate Resilient Sonoma County</li> </ul>   |
| Equity and Community Engagement |                 | <ul style="list-style-type: none"> <li>11. Community Advisory Committee</li> <li>12. Climate Attitudes and Needs Survey</li> <li>13. Collaborate with Community-based Organizations</li> <li>14. Equity and Climate in All Policies</li> </ul> |

## **Drive Less Sonoma County Campaign**

Make it easier to get around Sonoma County without a car.

- Implement network of low-stress bike and pedestrian facilities (e.g., pathways, bike lanes, sidewalks) connecting to major bus and rail transit hubs, schools, employment centers, medical facilities, and other key destinations as identified in the SCTA Travel Behavior Study.
- Implement recommendations from Vision Zero Action Plan to make walking and biking safer.
- Develop a “next generation” transit system for Sonoma County that is an attractive and viable option to driving alone and provides equitable mobility for all.
- Implement strategies from the SCTA Comprehensive Transportation Plan that reduce emissions (e.g., bikeshare, expand employer commute programs, unbundle parking from residential and commercial leases).

## **EV Access for All Partnership**

Accelerate the transition to 100 percent electric vehicles (EV) for all transportation needs not met by biking or walking.

- Work with regional partners and local businesses to develop over 10,000 public and workplace charging stations in Sonoma County by 2027.
- Develop a package of local ordinances and other actions to address remaining permitting barriers for installing charging equipment, while also limiting permitting of new fossil fuel infrastructure.
- Create an accessible and affordable EV concierge service for low-income residents, students, and seniors.
- Support the use of heavy-duty EVs, such as public transit buses, school buses, and refuse collection trucks through infrastructure planning at central yards and support for state and federal incentive applications.

## **Sonoma County Vehicles Miles Traveled (VMT) Bank**

Develop new funding sources for transportation projects that reduce VMT.

- Develop a VMT mitigation banking structure for new development to fund transportation demand management (TDM) and VMT reducing projects and programs to achieve countywide VMT reduction goals as defined in the SCTA Comprehensive Transportation Plan (CTP) and other policies.

## **All Electric Buildings Campaign**

Accelerate electrification of existing buildings and electrify all new buildings.

- Integrate equity into building electrification plans.
- Develop a date certain, funded, phased retrofit requirement for existing buildings to transition to all electric.
- Require new buildings to be all electric.

## **Carbon-Free Electricity**

Accelerate the transition to 100 percent carbon-free electricity.

- Promote the use of 100% renewable and/or carbon-free energy, such as SCP EverGreen or City of Healdsburg Green Rate, in residential and commercial buildings.
- For municipal buildings, achieve 100 percent carbon-free electricity by 2030 through combination of Evergreen and onsite solar plus battery storage.
- Develop campaign with incentives to increase installations of solar plus battery storage.
- Develop campaign to increase the use of demand response using capable technologies (e.g., appliances, cars, batteries).

## **Zero Waste by 2030**

Develop policies, programs, and education campaigns to eliminate waste sent to landfills.

- Develop program to achieve zero organics to landfill by 2030.
- Adopt a countywide construction and demolition ordinance that requires contractors to meet recycle goals beyond Cal Green, including a requirement for tracking and reporting construction waste disposal.
- Launch a community-wide zero waste campaign with a focus on reuse and reduced consumption.

## Countywide Carbon Sequestration Campaign

- Protect Existing Carbon Pools
  - Support the implementation of forest management practices that protect existing carbon stocks.
  - Continue land conservation work and land use policies (e.g., General Plan, Williamson Act) that result in measurable carbon sequestration.
  - Implement county-wide fire safer landscape practices, tree care and protection, and compost/mulch application.
- Increase Carbon Pools
  - Support local agricultural producers to plan, implement, and scale carbon sequestration (and GHG emissions reductions, where appropriate).
  - Increase our urban forest starting with our most impacted communities.
  - Implement regenerative land management practices at the City scale - practice drawdown, reduce emissions, and improve watershed and human health.



## **Create the Capital and Social Infrastructure to Achieve Sequestration Goals**

- Create a “sequester local” program to help Sonoma County businesses reinvest carbon-offset dollars within the community.
- Secure permanent Resource Conservation District funding for scaling carbon farming.
- Scale up the infrastructure necessary to fully implement Carbon Farm Plans.
- Develop a comprehensive carbon gardening residential education campaign.
- Develop a carbon sequestration training program for landscape professionals, County and City parks and recreation.
- Use policies, civic incentives, and educational efforts to get people educated, taking action, and building civic engagement towards a larger vision.

## **Energy Grid for the Future**

Increase energy grid resilience and prepare for electrification of buildings and transportation systems.

- Develop microgrids, focusing on critical infrastructure and vulnerable populations first.
- Advocate for the creation of a reliable, robust energy grid that will support increased loads from electrification and not be disrupted by wildfires and other climate related risks.

## **Climate Resilient Sonoma County**

Address the economic, social, and environmental impacts of future wildfires, floods, extreme heat, drought, sea level rise, and other climate change risks.

- Implement priority recommendations from the Urban Land Institute Resilience Advisory Services Panel.
- Support launch of a local vegetation/forest management and fire prevention corps.
- Support implementation of local hazard mitigation plans.

### **Community Advisory Committee**

Engage committee members representing diverse interests and expertise.

### **Climate Attitudes and Needs Survey**

Track community involvement and input as the Sonoma Climate Mobilization Strategy is implemented.

### **Collaborate with Community-based Organizations**

Work closely with skilled organizations to increase capacity to implement the Sonoma Climate Mobilization Strategy.

### **Equity and Climate in All Policies**

Develop processes and tools to support inclusion of equity and climate in all policies.

QUESTIONS?

**THANK YOU!**

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