

## Attachment 7

### Outline of Potential Climate Resilience Actions

December 11, 2023

#### I. General Structure & Approach:

A plan with a two-part structure of climate resilience actions focused on County Operations and Community Support, with an associated discussion of costs, benefits, and funding.

#### II. County Operations:

##### A. **Energy** - Potential energy upgrades for County facilities:

###### 1. Potential energy upgrades for County facilities in Phase I:

- a. Lighting upgrades at 55 buildings (\$5,071,200)
- b. High efficiency heating and cooling at the Juvenile Justice Center, Facility Operations, Maintenance, and Animal Services (\$1,154,800)
- c. Advanced building management systems in 45 buildings (\$7,083,600)
- d. Upgrade high-flow water fixtures (\$1,483,500)
- e. Install high efficiency transformers in up to 5 buildings (\$700,000)
- f. Install high efficiency heat pump water heaters with pre-reserved incentives (\$119,900, less \$103,800 in rebates)
- g. Install solar to offset 25% of County Center electricity use, including 270 kW roof-mounted solar (\$1,334,100, less \$340,000 in tax incentives), and 2 MW carport solar (\$12,427,700, less \$3,169,100 in tax incentives)
- h. Install up to 5,000 kWh of battery storage at the County Center and Los Guilicos (\$6,600,000, less \$2,435,000 in tax incentives)

###### 2. Potential energy upgrades for County facilities in Phase II:

- a. High efficiency heating and cooling at remaining buildings (\$29,682,100)
- b. Install 120 ports of Level 2 vehicle charging (\$4,893,400)
- c. Additional high efficiency hot water heating at remaining buildings (\$2,713,300)
- d. High efficiency heating and hot water at the Central Mechanical Plant (\$17,765,400)
- e. Replace the failing icehouse at the Spud Point Marina (\$3,200,000)

###### 3. Potential funding sources for energy upgrades for facilities:

- a. Tax Exempt Lease Purchase financing
- b. Bonds
- c. Grants
- d. On-bill financing (at zero interest with approval of the California Public Utilities Commission)
- e. Utility rebates
- f. Power Purchase Agreements
- g. Direct County payments

B. **Transportation** - Potential transportation actions:

1. Develop a Light-Duty Fleet Electrification Plan
2. Develop a longer-term Heavy-Duty Fleet Decarbonization Strategy
3. Develop a Municipal EV Infrastructure Plan as a companion to the Light Duty Fleet Electrification Plan and Heavy-Duty Fleet Decarbonization Strategy
4. Identify maintenance infrastructure needs, job training needs, and potential future changes to job specifications
5. Optimize the telework policy
6. Provide additional pre-tax benefits for commuting in other than a single-occupancy vehicle
7. Further optimize transit incentives
8. Initiate shuttle service from SMART to the County Center
9. Expand rideshare support; and expand worksite EV charging

C. **Solid Waste** - Potential solid waste reduction actions:

1. Provide clear information about proper disposal, and make separating materials easier
2. Prepare waste disposal guidelines for each location type and ensure the appropriate receptacles are located where waste is generated
3. Expand outreach and education to staff about proper disposal
4. Promote proper waste disposal through contests, prizes, and other forms of recognition
5. Develop integrated, holistic waste management at public-use facilities (Vets Halls, parks, campgrounds, marinas)
6. Develop and implement seasonal programs and staffing for seasonal waste locations
7. Incentivize vendor contracts to meet zero waste goals
8. Establish policy to audit facilities run by subcontractors
9. Provide ongoing technical/compliance assistance with Zero Waste Sonoma and Recology
10. Adopt the Zero Waste Sonoma Construction, Demolition, & Diversion Model Ordinance for County projects, and establish an internal tracking and verification program for waste diversion

D. **Carbon Storage & Land Resilience** - Potential carbon sequestration actions:

1. Establish an annual sequestration goal and outline a collaborative process to identify specific actions to achieve the target
2. Support the Sonoma County Agricultural Preservation and Open Space District (Ag + Open Space) on strategic land protection and stewardship
3. Work with Permit Sonoma to implement existing and develop new land use policies;
4. Track specific landscape type conversions to understand where/how landscapes have changed over time
5. Implement Climate Smart Practices on County facilities and lands
6. Develop a Street Tree Comprehensive Plan
7. Support carbon sequestration training for landscape professionals, and County and

municipal parks and recreation staff

8. Continue to develop equity criteria to evaluate and prioritize County investments on private lands

E. **Water Resilience** - Potential water resilience actions:

1. Evaluate and prioritize water saving opportunities at existing County facilities;
2. Incorporate water saving features into new construction of County facilities;
3. Coordinate with and support Sonoma Water's implementation of its Climate Adaptation Plan; and
4. Coordinate with and support Sonoma Water's implementation of its Energy & Climate Resiliency Policy

F. **Wildfire Resilience** - Potential wildfire resilience actions:

1. Complete the study, currently in the Request for Proposals stage, for development of a sustainable, integrated wildfire risk management program
2. Incorporate steps to develop sustainable funding and implement the integrated program
3. Evaluate and prioritize wildfire risk reduction opportunities on County-owned lands, including parks, public rights of way and other vegetated spaces, and partner with Ag + Open Space and Sonoma Water to evaluate their lands
4. Evaluate and prioritize wildfire structure hardening opportunities for County facilities, and develop a wildfire risk reduction action plan for County lands and facilities, integrated into other emergency planning efforts

G. **Community Support Approach**

1. Inclusive, equity-centered process working with diverse groups to identify climate resilience priorities, needs, barriers, and opportunities
2. Seek out and identify focus groups with unique perspectives, such as:
  - socio-economic status and cultural affinity
  - where people live (coastal communities, inland valleys, mountains, near the Russian River, etc.)
  - whether they own or rent their home
  - business sectors (agricultural, hospitality, service, construction, technology, retail, small vs. large, etc.)
3. Build capacity in communities and with community-based organizations and partners to seek and program resources to support climate resilience progress