Strategy Co-benefits

The strategies provide meaningful value beyond directly quantified emissions reductions and can provide co-benefits. **Blueprint 2.0[1] highlights that the criteria for a CERP include reductions for both emissions of and *exposure to* air contaminants**. Beyond directly quantifiable emissions reductions, these strategies can support community engagement, enhance public education and awareness about air quality, improve pedestrian and cyclist safety, and strengthen partnerships among local stakeholders. These benefits can lead to reductions in exposure and, over time, indirect emissions by influencing behavior, encouraging cleaner alternatives, and increasing participation in existing programs or policies that reduce emissions. Once the implementation period begins and the details for each strategy are finalized, some strategies may enable quantification of emissions reductions. The following table summarizes the co-benefits of each strategy, which extend beyond directly quantifiable emissions outcomes and contribute to improvements in community health and quality of life.

Strategy	Co-Benefits
UM-1 Deploy Portable Emissions Acquisition System (PEAQS)	• Targeted emissions reductions by identifying and correcting high-emitting heavy-duty vehicles. • Decreasing exposure in overburdened neighborhoods.
UM-2 Roaming Idling Inspections during PEAQS deployment	• Targeted emissions reductions by stopping idling engine operation. • Can lead to behavior change among drivers to idle less. • Reduces noise, vibration, and odors.
UM-3 Increase Tree Canopies	• Reduces exposures in areas with sensitive populations with increased tree canopies and vegetative barriers by helping to capture and disperse pollutants from nearby roadways and other sources. • Reduces energy use and related emissions by shading buildings and cooling neighborhoods. • Reduces the urban heat island effect. • Reduces VOC emissions from parked gasoline-fueled vehicles and increases the charging efficiency of EV vehicles. • Sequesters greenhouse gases (GHG). • Creates a more comfortable outdoor environment for walking, biking, and exercise, and/or waiting for public transit. • Can increase pavement life, reducing construction emissions
UM-4 Safe & Resilient Streets	*UM-4a* • Increases pedestrian and cyclist safety, which encourages more walking or biking throughout the community. • Improves access and mobility. • Reduce vehicle miles travelled. *UM-4b Standards* • Improved safety for vulnerable road users. • Reduce vehicle miles travelled.

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[1] California Air Resources Board, *Blueprint 2.0*, https://ww2.arb.ca.gov/sites/default/files/2024-04/BP2.0_FULL_FINAL_ENG_2024_04_09.pdf

UM-5 Increase Clean Mobility Options with Zero-emission Vehicles and Infrastructure	*Infrastructure* • Reduction in fossil fuel combustion. • Electricity consumption from vehicle charging will not generate localized criteria pollutant emissions. • Fuel savings. • Increases fuel redundancy for electric vehicles. • Electric vehicles could also provide benefits to buildings and the grid, such as emergency backup, energy reserves, and demand response. • More infrastructure is necessary for further adoption of zero-emission vehicles. *Electric Bicycle Voucher* • Availability of alternative clean modes of transportation, such as electric bicycles, can encourage fewer cars on the road. • Decreases vehicle use and vehicle miles travelled. • Encourages electric bike use, which can have health benefits and improve community resilience. • Improve connectivity between residents and resources. *Clean Cars 4 All* • Lowers GHG and local criteria emissions. • Fuel savings. • No scrap options provide access and mobility to those who don't currently have any mode of transportation. • Encourages behavior change to use clean modes of transportation. • Increased public familiarity and confidence with ZEV technology.
UM-6 Reduce Idling at Schools and Sensitive Receptors	• Encourages behavior changes among drivers. • Reduces GHG and tailpipe emissions. • Increased education for students and drivers.
UM-7 Portable Air Monitor Distribution Program	• Strengthens community awareness of outdoor air quality. • Increases education on particulate matter and its health impacts. • Supports public informed decision making. • Enhances community engagement through visible monitoring and real-time accessible data.
UM-8 Increase Public Ridership on Public Transportation	• Increases mobility and accessibility for students, seniors, and households without reliable vehicle access. • Encourages behavior shifts towards sustainable transportation habits. • Incentivizes more people to use transit, resulting in less traffic on the roads. • Energy and fuel savings. • Reduces passenger vehicle miles travelled. • Reduction in GHG emissions.
UM-9 Industrial and Warehouse Uses/Zoning	• Increased education and awareness of regulations related to industrial warehouse uses and zoning. • Enhances design and operations related to warehouses.

	• Truck route studies will help inform any need for changes to the current routing.
UM-10 Increase Community Input on Truck Routes	• Improves safety for pedestrians, cyclists, and local traffic, especially near sensitive receptors. • Enhances community trust through participatory planning processes. • Reduces truck emissions in key areas. • Reduces neighborhood disruption from trucks.
UM-11 Commercial Vehicle Replacement Program	• Encourages cleaner fleets. • Reduces exposure to diesel particulate matter and local criteria pollutants. • Decreases fuel consumption.
R-1 Clean Air Products	• Strengthens community awareness of using cleaner alternatives. • Improves indoor air quality and reduces exposure. • Creates a healthier environment for children and families. • Lowers contribution to outdoor ambient air pollution.
R-2 Residential Lawn and Garden	• Increases awareness of the incentives and helps residents better understand program eligibility and how to apply. • Increases participation in the lawn and garden equipment changeout program. • Reduces localized emissions from older diesel- or gas-powered lawn and garden equipment. • Reduces greenhouse gas emissions. • Reduces noise, improves user comfort, reduces user and neighborhood exposure, and lowers maintenance needs.
R-3 Electrification of Household Appliances	• Reduces indoor air pollution and its contributions to outdoor air pollution. • Increases energy efficiency and potential cost savings over time. • Improves home safety with reduction of risks associated with gas leaks, woodburning, and carbon monoxide exposure. • Can reduce indoor air pollution in communities.
R-4 Air Filters in Indoor Public Spaces	• Removes air pollutants from indoor air and improves indoor air quality, especially in areas where community members gather, such as libraries and community centers. • Helps keep indoor spaces safer during outdoor air quality events, such as when wildfires are active.
R-5 Portable Air Purifier	• Improves indoor air quality and reduces exposure to indoor air pollutants. • Increases resilience during poor air quality events such as wildfire smoke. • Ensures overburdened communities have access to reduce exposure.
R-6 Raise Awareness of Proper Mask and Air Purifier Use During Poor Air Quality	• Improved individual and community health protection. • Encourages behavior changes during poor air quality events to take effective, lower-cost actions to reduce exposure.

	• Helps the community understand how to respond quickly to wildfire smoke.
C-1 Increase education for Nail and Hair Salons	• Adoption of cleaner alternatives. • Improves indoor air quality and reduces exposure. • Creates a healthier environment for staff and customers. • Can lead to improvements such as improving ventilation, air filtration, proper storage and disposal, and adoption of safer work habits.
C-2 Public Information Portal	• Increases transparency and access to public information on permitted sources of air pollution, including permit information, compliance activities, and emissions information, easier to find. • Supports more informed discussions between the community, sources, and the District. • Can encourage better participation in permitting decisions or public comment opportunities.
C-3 Business Education	• Encourages the adoption of cleaner products and practices. • Improves staff and customer health by reducing exposure. • Helps educate businesses on incentives and programs that can help support clean upgrades.
C-4 Incentives for Small Businesses	• Reduces financial barriers to adopting cleaner technologies. • Supports local economic resilience. • Reduces exposure to staff and customers.
C-5 Source Investigation and Focused Enforcement	• Identifies facilities that need air quality permits. • Increases compliance with air quality rules and regulations. • Compliance assistance for businesses helps organizations understand air quality rules to reduce air pollution.
C-6 Public Transparency with Permitted Sources – Violations	• Increases accountability among the District, as well as the permitted community • Strengthens community trust through increased access to compliance information.
O-1 Participate in Outreach Events	• Improves education and awareness of air quality information and resources, as well as air quality programs and policies. • Increases education and awareness for the community on how to protect their health during poor air quality events. • Provides community feedback to help identify concerns.
O-2 Outreach Through Traditional and Social Media	• Expands outreach to a broader audience using different methods of outreach. • Improves access to air quality information. • Enhances emergency community capacity, such as air quality alerts during poor air quality events.
O-3 Promote Air Quality Education in Schools	• Increases student education and awareness. • Strengthens community awareness by reaching families through the students, which helps to build long-term support for air quality programs, education, and policies. • Leads to behavior changes that indirectly reduce emissions over time.

	• Increases support for clean transportation and technologies.
O-4 Build Relationships with Stakeholders and Community Members	• Strengthens trust and credibility through two-way engagement. • Improves the effectiveness of programs through aligning actions with community priorities and local knowledge. • Encourages sustained collaboration and shared problem-solving. • Supports long-term partnerships between stakeholders and community members. • Increases representation and participation of community members in decision-making spaces • Increases inclusivity
O-5 Improve Awareness, Accessibility, and Transparency of Complaint Reporting System	• Increases knowledge of how to report complaints. • Improves accessibility of the complaint system so that community members know this tool is available to them.