



El Dorado County

Air Quality Management District

Operations Overview and FY2024/25 Proposed Budget

AQMD works to improve air quality and quality of life
for El Dorado County residents

County Air Pollution Control District Budgeting

Dictated by California Health and Safety
Code – Sections 40130 & 40131

- Requires air districts to adopt their budgets in an open process, separate from other County budget processes, to ensure opportunity for the public to participate and comment on its budget prior to adoption.
- Requires that air district proposed budgets be made available to the public 30 days before the public hearing.
- Requires that air districts notify all current permit holders of the date/time/location of the public hearing and about the availability of the proposed budgets. Notifications were mailed to all EDC permittees.
- Requires that a public hearing is held at least 2 weeks before the hearing at which the air district budget is adopted.



Regulatory Program Implementation

Achieve and Maintain State and Federal
Air Quality Standards

- Stationary Sources Permitting Program
- Compliance Program: Inspections to Ensure Adherence to Regulations
- Residential and Prescribed Open Burning Programs
- Incentives and Grants Programs

Incentivizing Emission Reductions from Area and Mobile Sources

- Woodstove Replacement Incentives (Chimney Smoke RIP)
- EXPANDED Clean Lawn Equipment Incentive (CLIP)
- Electric / Plug-in Hybrid Vehicle Incentive (Drive Clean!)
- Residential Electric Vehicle Charger Incentive (CHARGE)
- Electric Vehicle Charging Infrastructure
- School Buses, Heavy Duty Trucks and Construction/Agricultural Equipment
- Motor Vehicle Emission Reduction Projects



FY2023-24 Grant & Incentive Accomplishments

(thru May 28, 2024)

- Funded 7 agricultural tractor replacements and 1 school bus replacement with Carl Moyer grants.
- Used FARMER grants to fund replacement of 2 tractors and 1 ag UTV.
- Funded 1 school bus replacement with AB923 funds (1 of 11 awarded in FY2022-23).
- Awarded AB2766 grant to EDC Library for electric Bookmobile.
- Incentivized the replacement of **188** pieces of gas lawn equipment with cordless electric lawn equipment.
- Incentivized the replacement of **76** non-EPA certified woodstoves in El Dorado County, **1** in Placer County, and **2** in Amador County.
- Incentivized the purchase of **91** electric or plug-in-hybrid vehicles.

EXAMPLES - Carl Moyer Program Funded Agricultural Equipment & School Bus



24 Carrot Farm –
Replaced 43-year-old
tractor

Resulting in:

- 81% reduction in NOx
- 93% reduction in ROG
- 99% reduction in PM

EXAMPLES - Carl Moyer Program Funded Agricultural Equipment & School Bus



Black Oak Mine Union School District replaced 21 year-old diesel bus with electric bus

Resulting in:

- 100% reduction in NOx, ROG, and PM emissions (total approx. 2.8 tons/yr)
- Increased student safety (air quality, seatbelts, cameras, perimeter monitoring)

EXAMPLES - FARMER Program Funded Agricultural Equipment



Gold Hill Ranch –
Replaced 47-year-old
tractor

Resulting in:

- 82% reduction in NOx
- 94% reduction in ROG
- 99% reduction in PM

EXAMPLES - FARMER Program Funded Agricultural Equipment



Bluestone Meadow –
Replaced 17-year-old gas
powered UTV with electric

Resulting in:

- 100% reduction in NOx, ROG, and PM emissions

Challenge	Action	Emission Reduction Progress
Wildfire Smoke	Prescribed burn acres: 2019: 9,712 requested – 4,797 burned 2020: 6,044 requested – 3,935 burned 2021: 1,494 requested – 1,400 burned 2022: 3,569 requested – 3,176 burned 2023: 9,299 requested – 5,442 burned	Prescribed PM: 1,564 tons/acre Wildfire PM: 3,129 tons/acre
Residential Burning Smoke	Administered burn violators training course, patrol, and 24/7 complaint response	Reduced illegal materials burning and burning on unfavorable days
Wood Stove Smoke	To date 1,716 old uncertified wood stoves have been replaced with cleaner appliances <ul style="list-style-type: none"> • El Dorado County – 1,603 • Placer County – 65 • Amador County - 48 	PM: 67.3 tons/year NOx: 1.9 tons/year CO: 245.9 tons/year GHG: 6915 tons/year
Asbestos and Fugitive Dust	2023: 391 dust plans were processed and approved. Inspections, sampling, and patrol	TSP: 1.2 tons/acre/month
Heavy Duty Diesel Vehicles	To date, 232 diesel vehicles and equipment replaced with cleaner burning engines.	PM: 10 tons/year NOx: 84 tons/year

Challenge	Action	Emission Reduction Progress
Older School Buses	72 Buses replaced/retrofitted with cleaner diesel engines or replaced with electric buses	PM: 0.12 tons/year NOx: 3.57 tons/year
Drive Clean! Light duty vehicles ICE to EV	641 Electric Vehicles 180 Plug-in Hybrid Electric Vehicles 2 Hydrogen Fuel Cell Vehicles <i>22 EV & PHEV for County Fleet</i>	PM: <1 ton/year NOx: 20.13 tons/year CO: 260 tons/year GHG: 10,807 tons/year <i>25.9M emission-free miles since start of program!</i>
EVSE – Electric Vehicle Supply Equipment	8 EVSE in El Dorado County in 2013 ~210 EVSE in El Dorado County in 2024 <i>107 funded by AQMD</i>	Indirect emission reduction
Projects for Motor Vehicle Emission Reduction	Shuttles, Vehicle Replacement, Transit Fares, Sidewalks, Bike Paths, Video Conferencing Equipment, Public Education, etc...	Varies by project
Clean Lawnmower Incentive Program (CLIP)	Over 1,150 gas mowers & other equipment traded in for cordless zero emission electric lawn equipment since the incentive program started in April 2018	PM: <1 tons/year NOx: <1 tons/year

Federal or State Grant	Projects Funded	Proposed 24/25 Budget	Awarded / Under Contract
DMV: AB923	School Buses, eligible engine / vehicle replacement	\$2,247,815	\$1,210,489
ARB: Carl Moyer Program	Diesel engines, eligible school and transit buses, electric lawn & garden equipment	\$1,883,064	\$323,686
DMV: AB2766	Shuttles, EV Charging Stations, EVs, PHEVs, Vehicle Emission Projects	\$1,806,209	\$884,690
EPA: Targeted Airshed Grant	Wood Stoves, Roadway Paving, and Biomass Chipping in western section of El Dorado County	\$992,920	\$755,332
ARB: AB617 CAP Incentives	Wood Stoves (low income - eastern EDC) & project for electric school bus infrastructure	\$482,715	\$352,896
ARB: FARMER	Agricultural off-road equipment	\$111,000	-
ARB: Subvention	Wood Stoves (standard \$ - east EDC)	\$84,991	-
ARB: Prescribed Burn Grant	Monitoring PM2.5 air quality and reporting Prescribed Burn Data	\$44,137	-
ARB: AB617 Implementation	Community Air Monitoring	\$15,430	-

Grant Revenue

FY 2024/25 Budgeted use of new grant funds and carryover grant fund balance.

Summary – FY2024/25 Proposed Budget

Total Revenue Budget - \$9.39M

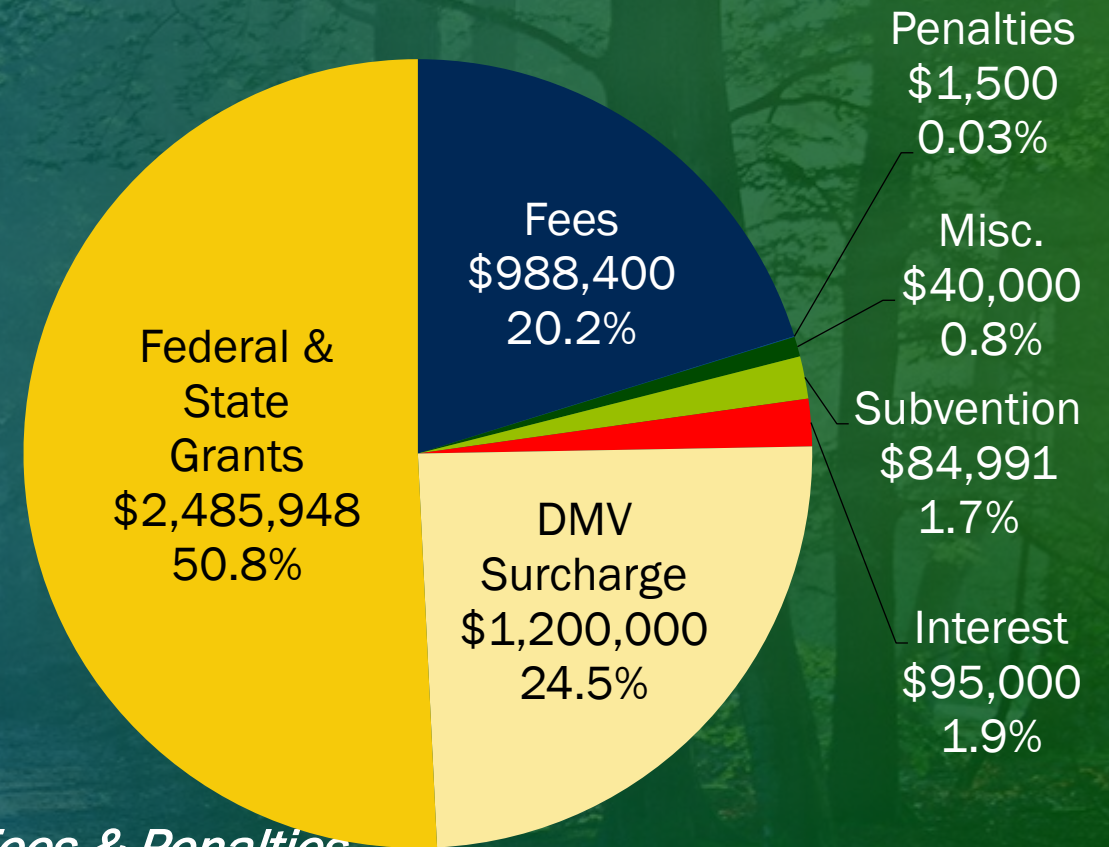
- Use of fund balance - *\$4.49M

**(approx. \$3.53M awarded & under contract)*

- New Revenue - \$4.90M

- *Federal & State Grants And State Programs*
- *DMV Vehicle Registration Surcharge*
- *Operating Permit and Dust Mitigation Plan Fees & Penalties*
- *Subvention Funding*
- *Interest Earned*
- *Miscellaneous Revenue*

New Revenue Breakdown

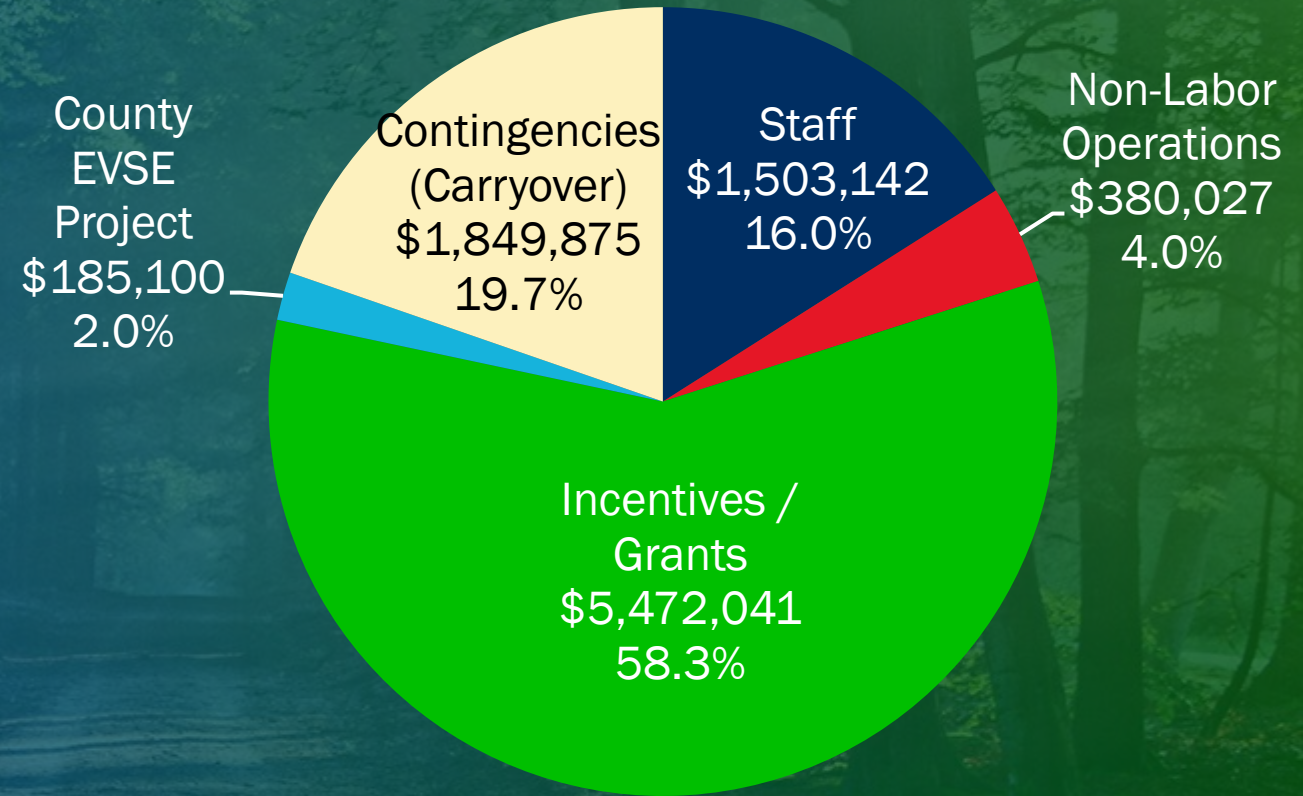


Summary – FY2024/25 Proposed Budget

Total Expenditure Budget - \$9.39M

- *9.0 FTE Staff Salary & Benefits*
- *Non-Labor Operations Costs*
- *Incentive/Grant Programs*
- *County Offices EV Charger Changeout Project*
- *Appropriation for Contingencies (Carryover into future fiscal years)*

Expenditure Breakdown



THANK YOU!

District Phone

(530) 621-7501

Website

<https://www.eldoradocounty.ca.gov/Land-Use/Air-Quality-Management>



EDCCleanAir.org