



# RESIDENTIAL AIR FILTRATION PROGRAM WORKSHOP

ECV & ELABHWC – AUGUST 9TH, 2022



# BACKGROUND – AB 617 CERP MEASURES

## East Los Angeles, Boyle Heights, West Commerce (ELABHWC)

- CERP<sup>1</sup> includes an action to identify funding for residential air filtration systems in homes to reduce exposure to diesel PM
- In February 2021, the CSC allocated \$1.86M in CAPP funds toward residential air filtration systems

<sup>1</sup>This CERP action can be found at: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/cerp/carb-submittal/final-cerp.pdf?sfvrsn=8#page=178>

## Eastern Coachella Valley (ECV)

- CERP<sup>2</sup> includes six actions to install and maintain air filtration systems in homes to reduce exposure to dust from the Salton Sea
- In March 2021, the CSC allocated \$1M in CAPP funds toward residential air filtration systems for ECV community

<sup>2</sup>This CERP action can be found at: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/eastern-coachella-valley/final-cerp/final-cerp-july-2021.pdf?sfvrsn=9>

# AB 617 PROJECT PLAN – RESIDENTIAL AIR FILTRATION



AB 617 Project Plan –  
Residential Air Filtration

June 2022

- CARB approved South Coast AQMD AB 617 Project Plan for Residential Air Filtration, available at:  
<http://www.aqmd.gov/home/programs/business/community-air-protection-incentives/residential-air-filtration-incentives>
- Residential Air Filtration Project Plan
  - Eligibility Requirements
  - Funding Amounts
  - Exposure reduction benefits

# DEVELOPMENT OF RESIDENTIAL AIR FILTRATION PROGRAM

- Request for Quotes (RFQ)
  - Bulk purchase pricing for air filtration unit and three-year supply of replacement filters
  - Leverage available funding to maximize the number of homes that receive air filtration
  - Evaluation and selection criteria
- Program Announcement (PA)
  - Establishes program criteria:
    - Eligibility requirements
    - Funding limits
    - Approval process
  - Application submittal instructions

- RFQ and PA require Board approval
  - Technology Committee – September 16, 2022
  - Governing Board – October 7, 2022

# ELIGIBILITY AND FUNDING REQUIREMENTS

- Minimum eligibility requirements:

- Reside in the AB 617 ELABHWC or ECV Community
- Provide residence information (e.g., address and sq. ft. occupied by applicant)
- Air filtration units must be CARB certified\* and selected through RFQ
- Other administrative requirements

- Funding amounts

Type of Equipment	Funding Amount
Standalone Air Filtration Unit	Up to 100%
Replacement Filters (3 years)	Up to 100%

- Funding prioritized in ECV on first-come, first-served basis and ELABHWC on proximity to emissions sources

\*Device must be approved for the program and be on the complete list of CARB-Certified Air Cleaning Devices: <https://ww2.arb.ca.gov/list-carb-certified-air-cleaning-devices>

# KEY FUNDING AND BUDGET CONSIDERATIONS



- Residential Air Filtration Program to offer applicants a minimum of:
  - One portable air purification unit, and
  - A three-year supply of replacement filters per unit
- Units available for funding will be announced as a result of RFQ Process
- \$1,000 budget allocated for each address

# EXAMPLE – HONEYWELL TRUE HEPA AIR PURIFIER

## Honeywell True HEPA Air Purifier



- HEPA filtration captures the following microscopic airborne allergens and particles:
  - Dust, pollen, pet dander, dust mite debris and smoke
  - Filter replaced once per year
- Activated carbon pre-filter captures large airborne particles and reduces odors and VOCs
  - Requires replacing every 3 months
- Filter change indicator and reset
- Energy Star rated
- 4.8 air changes an hour in a 465 square foot room

# EXAMPLE – HONEYWELL TRUE HEPA AIR PURIFIER

Honeywell True HEPA Air Purifier



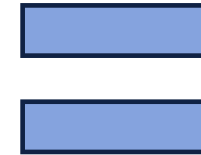
Average price \$235



+



Average price \$176



**\$412**  
**Total**



# EXAMPLE – BLUEAIR CLASSIC 680I AIR PURIFIER

Blueair Classic 680i Air Purifier



- HEPA filtration captures airborne pollutants including:
  - Dust, mold, pet dander, and pollen
  - Dual protection filters with activated coconut carbon
  - Single filter needs replacing every 6 months
- Energy Star rated
- For large rooms between 700 square feet and 800 square feet

# EXAMPLE – BLUEAIR CLASSIC 680I AIR PURIFIER

Blueair Classic 680i Air Purifier



Average price \$460



+



Average price \$176

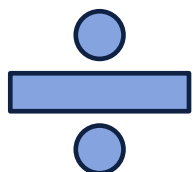


**\$636**  
**Total**

# EXAMPLE – ESTIMATED NUMBER OF AIR FILTRATION UNITS FOR ECV

ECV Budget

**\$937,500**  
**Allocated**



**\$412**

One unit & filters  
per household

**OR**

**\$636**

One unit & filters  
per household



**OR**

**2,275**

Homes receiving air  
purifiers

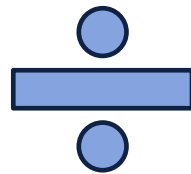
**1,474**

Homes receiving air  
purifiers

# EXAMPLE – ESTIMATED NUMBER OF AIR FILTRATION UNITS FOR ELABHWC

*ELABHWC Budget*

**\$1,687,500  
Allocated**



**\$412**

One unit & filters  
per household

**OR**

**\$636**

One unit & filters  
per household



**OR**

**4,095**

Homes receiving air  
purifiers

**2,653**

Homes receiving air  
purifiers



# NEXT STEPS

Fall 2022

Governing Board approval for RFQ and PA

Winter 2022

- Staff outreach to
  - Vendors for RFQ
  - Residents to apply for air filtration units
- Finalize program application process (e.g., online application)

Spring 2023

- Open program and begin accepting applications
- Evaluate and approve applications



# DISCUSSION



# CONTACT INFORMATION



To submit program suggestions or questions,  
please email:  
[617airfiltration@aqmd.gov](mailto:617airfiltration@aqmd.gov)