



# **Reducing Stationary Source Emissions Through AB 617**

February 8, 2022

# Discussion

- AB 617 is focused on community-level emissions reductions (PM2.5 and Toxics)
- The bill contains several requirements related to stationary sources
- Today, we will share a few motivating challenges and program successes

# Some Motivating Challenges

- Providing enhanced transparency on complex permitting programs
  - Example: Deconstructing existing complex stationary source regulatory processes to highlight opportunities for improvement
- Existing regulatory programs are focused on regional reductions and do not fully address EJ concerns
  - Example: Districts have indicated that they are unable to deny projects in DACs if they meet local, state, and federal requirements
- Transitioning stationary sources to zero
  - Example: Best available control technology (BACT) does not require readily available zero emissions technology to be used

# Current Approach

*What we've found that works*

- Everything cannot be fixed at once
- Acknowledge the problems and collaborate on solutions
- Assist with technology identification efforts
- Enhance public understanding



# Deconstruct Stationary Source Permitting

## Stationary Source Permitting - Community Questions

**Community Air Protection Program Resource Center**

About  
Resources  
Introduction to Community Air Quality  
Strategy Development  
Technical Assistance  
AB 617 Implementation  
Community Air Protection Program  
Subscribe

---

**CONTACT**  
Email [CommunityAir@arb.ca.gov](mailto:CommunityAir@arb.ca.gov)

---

**Category Filters**

- All Categories
- General
- Air Toxics
- BACT
- Data Transparency
- Environmental Justice
- Emissions Inventory
- Enforcement
- Expedited BARCT
- New Source Review (NSR)
- Offsets
- Government Roles
- Rules

**Expand All Questions**

- What are the common acronyms associated with stationary source permitting? (N1) ▶
- What are the different types of permits? (G2) ▶
- What is the stepwise process for issuing a permit? (G6) ▶
- What does it mean if a permit is expired? (G3) ▶
- What is the process/timeline for a permit renewal? (G4) ▶
- How do community members determine which pollutants impact a specific community? (J7) ▶
- What is health risk? (N2) ▶
- How are emissions increases considered when permitting? (G1) ▶

# Case Studies and Prototypes Inform Technology Clearinghouse Development

<https://ww2.arb.ca.gov/our-work/programs/technology-clearinghouse/technology-clearinghouse-tools>

**AB 617 Technology Clearinghouse**

Start Here: **Background** **User Guide**

Best Available Control Technology (BACT)	Rules and Regulations	Next Generation Technology	Support
Emissions limits and control technologies for new and modified stationary sources; part of the local air district permit procedures	CARB and local air district rules and regulations that limit emissions from stationary, area, and mobile sources	Technologies that are cleaner than currently required	Training materials and tools that provide additional context
<b>BACT Determinations</b>	<b>Air District Rules</b>	<b>Emergency Backup Power - Commercial</b>	<b>Ambient Air Quality Standards Designations</b>
<b>BACT Guidelines</b>	<b>CARB Regulations</b>	<b>Emergency Backup Power - Residential</b>	<b>Training Videos</b>
	<b>Air District Rule - History</b>		<b>Standard Lists</b>

Feedback

Community Air Protection Home | AB 617 Resource Center | CALIFORNIA AIR RESOURCES BOARD

# Case Study – Warehouses

- Various government agencies are pushing for cleaner technology at warehouses
- Local government may adopt ordinances or propose CEQA mitigation measures to reduce impacts at warehouses



# Case Studies – Backup Power

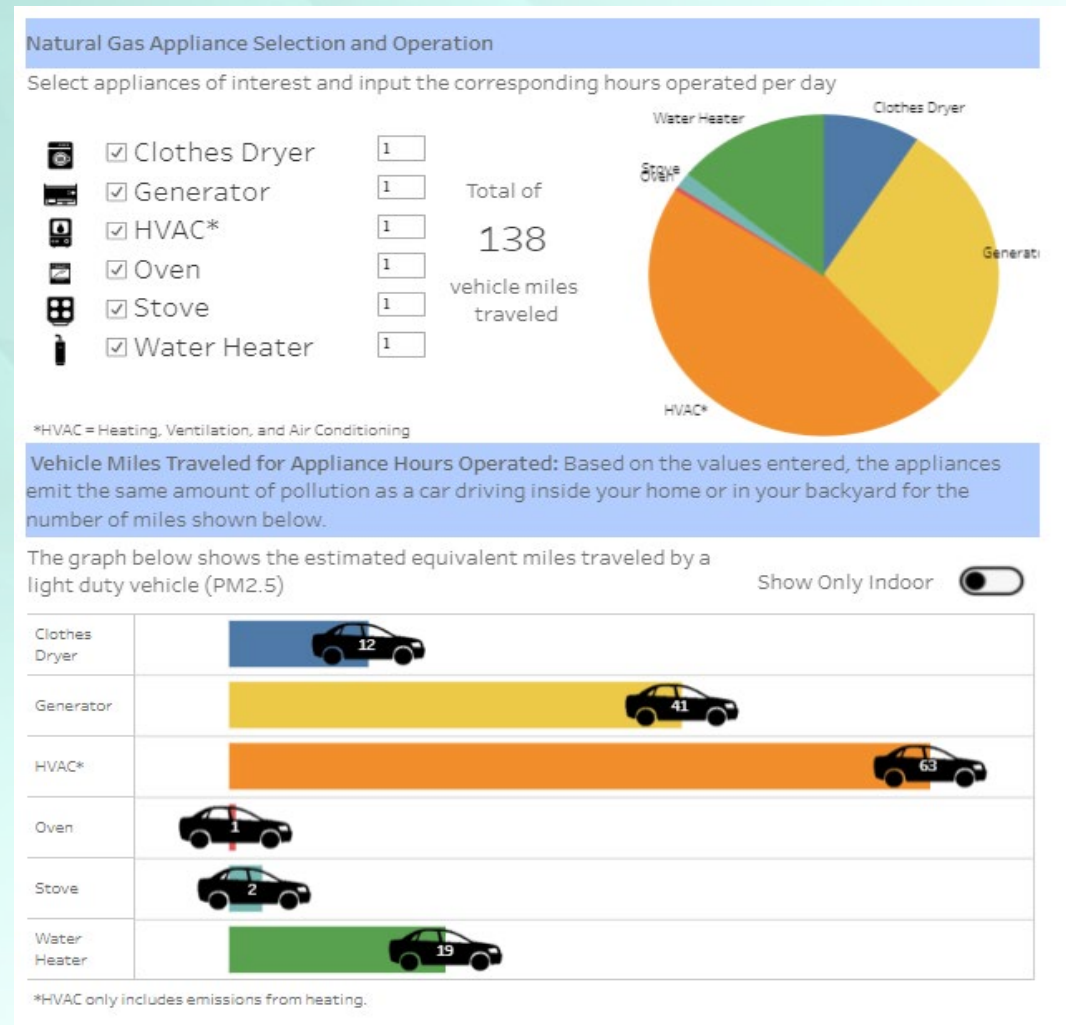
- Back-up power demand increasing
- Over 60% of new engines in disadvantaged communities
- CARB and Districts identified technology beyond requirements
- 4 districts have proposed or adopted Tier IV as BACT





# Case Study: Appliances

- Supporting Building Decarbonization efforts
- Looking at this from an AB617 local level – PM2.5 and Toxics
- Anticipated publication February 2022



# Next Steps

- Continue to respond to community questions
- Collaborate on solutions for complex problems
- Develop tools to support reductions
- Develop technology clearinghouse to support long term needs