Air Pollution from Freight Harms our Health

- Premature death
- Increased cancer risk
- Cardiac and respiratory disease
- Hospitalizations
- Lost work/school days

Cancer risk map
Decades of Leadership

- Criteria Pollutants: 1960s - forward
- Toxics Exposure: 1980s - forward
- Climate Change: 2000s - forward
- Community Exposure: 2017 - forward
California Sustainable Freight Action Plan

Governor’s Executive Order B-32-15
• Improve freight efficiency
• Transition to zero emission operations
• Increase economic competitiveness

Action Plan Finalized in July 2016
Utilize a partnership of federal, State, regional, local, community, and industry stakeholders to move freight in California on a modern, safe, integrated, and resilient system that continues to support California’s economy, jobs, and healthy, livable communities. Transporting freight reliably and efficiently by zero emission equipment everywhere feasible, and near-zero emission equipment powered by clean, low-carbon renewable fuels everywhere else.”
Path Forward on Freight

Protect communities near freight facilities

Tighten CARB rules & add facility infrastructure/compliance

Support district facility-based measures & port initiatives

Pursue stricter federal & international standards

Coordinate & expand incentives for freight transition to zero emission operations
Community-scale Decision-making

• Addressing multiple priorities
  • Public health, passenger and freight, social equity, air quality, land use, community engagement, and others
• Understanding the real-world effectiveness of implementation
  • Health risk, mobility, freight efficiency, community needs, regional economy, and others
Thank You
New CARB Freight Rules: Focus on Zero Emission Operations
Freight Handbook

- Identifies best practices and guidance for the siting, design, construction, and operation of freight facilities
- Warehouse and Distribution Centers (2019)
Incentive Funding Programs

- **FARMER Program**
  - Criteria, toxics, GHG reductions from agriculture
  - $135M for 2017-18

- **AQIP**
  - Criteria pollutant and toxics reductions
  - $28M for 2017-18

- **Carl Moyer Program**
  - SIP emission reductions
  - $69M for 2017-18

- **Community Air Protection**
  - Criteria, toxics, GHG reductions for communities
  - $250M for 2017-18

- **Zero-Emission Warehouses**
  - Criteria pollutant, toxics, and GHG reductions
  - $50M for 2017-18

- **Low Carbon Transportation**
  - GHG reductions and AB 1550 benefits
  - $560M for 2017-18

- **VW Mitigation Trust**
  - NOx mitigation
  - $423M for 2017+

- **VW ZEV Car Scrap/Replace**
  - ZEV deployment and equity
  - $25M for 2017-18

- **Prop 1B Goods Movement**
  - NOx and PM reductions in freight corridors
  - ~$10M remaining

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  - NOx mitigation
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CARB