Outline

• 50th Anniversary of Air Resources Board
• Reflect on 2016 Achievements
• Priorities and Objectives for 2017
• Key Actions
Five Decades of Environmental Stewardship

• 2017 marks CARB’s 50th anniversary
• Developing events and communication products featuring our success over last 50 years
• Groundbreaking for new laboratory in Riverside
• Enhancing of CARB’s website
Reflect on 2016 Achievements
Progress in Meeting Air Quality and Toxics Goals

- EPA attainment determinations
  - San Joaquin Valley 1-hour ozone
  - San Luis Obispo and Mariposa 8-hour ozone
  - Imperial 24-hour PM2.5

- Diesel cancer risk decreased nearly 70% since 1990

- Greatest diesel PM reduction at monitors in EJ communities
On-Track to Meet 2020 Climate Commitments

- On-track to meet 2020 commitments
- 100% of covered entities complied with cap-and-trade requirements
- Over $3 billion appropriated for climate investments
Deployment of Cleaner Technologies

- Over 265,000 ZEVs and PHEVs on the road
- 30 EV models now available – 6 with over 200 mile range
- Over 13,000 EV charging stations, 25 retail hydrogen stations
- Demo projects of cleaner technology trucks/equipment at ports
- Solar generation has more than doubled since 2013
Expanded Climate Actions

• California legislation
  - SB 32 – Establishes 2030 midterm GHG target
  - AB 197 – Focus on multi-pollutant strategies/increased transparency
  - SB 1383 – Sets Short Lived Climate Pollutant strategy targets
  - AB 1550 – GHG investment plan for disadvantaged communities

• U.S. EPA adopts Phase 2 GHG standards for heavy-duty trucks

• International actions
  - Kigali agreements
  - International ZEV Alliance
  - Under 2 MOU
Focus on Public Health Protection

- Enhanced outreach and enforcement in disadvantaged communities
- Begin implementation of the California Sustainable Freight Action Plan
- U.S. EPA commitment to low NOx engine standard in response to CARB efforts and district petitions
- Over $700 million in incentive funding
Local Investments

- State incentive programs have supported District investments in cleaner technologies
  - 30 Tier 4 engines funded statewide
  - 13 electric transit buses in the South Coast
  - 86 electric airport ground support units in the Bay Area
  - 15 transit buses in the San Joaquin Valley
  - 29 school buses in the Sacramento Metro area
Ensuring Reductions and Compliance in the Real World

- VW represents landmark enforcement settlement
- Expanded testing programs have recently found violations for other manufacturers
- Highlights need for improved certification and enforcement
- New Southern California facility will ensure we have the necessary tools
New Laboratory Facility in Southern California

- Funding for new facility included in proposed FY 17-18 budget
- Escrow closed on Riverside site
- Employee transition support ongoing
- Project development activities underway
Priorities for 2017

A unified vision for transformation
2017 – A Key Year for ARB

- Integration of strategies to meet air quality, toxics, and climate goals
- Identification of strategic investments to facilitate transformation
- Ensuring benefits in disadvantaged communities
- Interfacing with new federal administration
Attaining Air Quality Standards

- Over 12 million Californians still breathing unhealthy air
- Key challenges:
  - South Coast ozone
  - San Joaquin Valley PM$_{2.5}$
- Need 80 percent reduction in NOx by 2031 to meet ozone standard in South Coast
Reducing Toxics and Health Risk

• Enhance ARB’s air toxics program in light of new evidence on health impacts of exposure to air toxics

• Implementation of actions in Sustainable Freight Action Plan

• Identify opportunities for direct emission reductions under AB 197
Meeting Post 2020 Climate Goals

- Finalize 2017 Scoping Plan Update to reflect SB 32 2030 target
- Implement actions identified in Short Lived Climate Pollutant Strategy
- Initiate and enhance existing programs such as Cap & Trade and LCFS
- Partner with districts to reduce GHG’s and criteria/TAC’s
- Integrate EJAC recommendations into programs
Investing in the Transformation

- Defining and prioritizing funding needs
- Focused funding in low-income/disadvantaged communities
  - AB 1550, SB 350 and SB 535
- Encouraging innovative funding sources and approaches
Forging Ahead with Our Commitments

• Commitment to the highest technical standards to ensure all Californians have healthy air

• Build on efforts that enforce strong emissions standards, promote advanced technology vehicles, and support transition to clean, renewable energy

• Continue to provide national and international leadership and look for opportunities to partner with US EPA

• Maintain ARB’s authority to set vehicle emission standards that lead the nation
Key Actions

Translating goals into actions
Transforming Priorities into Actions

Comprehensive Board agenda in 2017

- Air quality and climate plans
- Regulatory measures
- Funding for strategic investments
- VW mitigation plans
Integrated Planning Efforts

- **Climate Change 2030 Target Scoping Plan**
  - Proposed: Jan 2017
  - Final: Spring 2017

- **Statewide SIP Strategy**
  - March 2017

- **Short-Lived Climate Pollutant Reduction Strategy**
  - Spring 2017

- **Federal Clean Power Plan Rules**
  - Anticipated in 2017

- **Update SB 375 Targets**
  - Summer 2017
Board Action on State Implementation Plans

- Portola PM$_{2.5}$ (Feb)
- Imperial PM$_{2.5}$ (June)
- Imperial O$_3$ (Apr)
- SJV PM$_{10}$ (June)/PM$_{2.5}$ (Sep)
- South Coast O$_3$ and PM$_{2.5}$ (Mar)
- Ventura O$_3$ (Mar)
- San Diego O$_3$ (Mar)
- Sacramento O$_3$ (May)
- Western Nevada O$_3$ (Sep)
- Mojave Desert/Antelope Valley O$_3$ (Apr)
- Eastern Kern O$_3$ (Jun)
- Imperial PM$_{2.5}$ (June)
- Imperial O$_3$ (Apr)
Board Action on Regulatory Measures

- Midterm review of Advanced Clean Cars
- Heavy-Duty Phase 2 GHG Standards
- Cap and Trade Amendments
- Warranty and Opacity Requirements
- Amendments to Portable Equipment ATCM
Setting the Foundation for Future Regulations

- Post-2025 Clean Car Standards
- Heavy-Duty Low NOx Engine Standards
- HD Inspection/Maintenance Program
- Last Mile Delivery
- Cleaner Transit System
Focusing on Environmental Justice

• Continue expanding outreach and enforcement

• Recommendations on eliminating barriers to zero emission transportation

• Incorporate disadvantaged communities and low-income investment requirements into funding programs

• Integrate environmental justice considerations throughout agency/programs

• Appointment of Assistant Executive Officer for Environmental Justice
VW Funding Plan
Mitigation and Penalties

- **2.0 L Consent Decree: ~$1.2B in CA**
  - $800M for ZEV initiatives
    - Transportation electrification and access to ZEVs for low-income/disadvantaged communities
  - $381M for projects to reduce smog-producing pollution
    - Incentives for clean heavy duty equipment in disadvantaged communities

- **3.0 L Consent Decree:**
  - $41.4M in CA to address the additional NOx emissions
  - $25M to support ZEV availability in low-income communities

- **$153.8M in penalties and reimbursement of costs**
Continued Partnerships

- State and federal government
- Air districts
- Private sector
- Regional and local governments
- State agencies
- Other nations
2017 – Reinforcing California’s Leadership

• Build on success to date as we move forward over next 50 years
• Continue to lead at state, national, and international levels
• Demonstrate clean air and a thriving economy go hand in hand