

# CALRECYCLE ORGANICS INITIATIVE

**CAPCOA Enforcement, Engineering, and  
Toxics Symposium 2017  
November 7-8, 2017  
Folsom, CA**



**CALIFORNIA**  
AIR RESOURCES BOARD

# Short-Lived Climate Pollutants

- Includes methane, fluorocarbons (including hydrofluorocarbons or HFCs), and black carbon
- Lifetimes of days to a few decades
- Tens to thousands of times greater global warming potential than carbon dioxide
- Reductions can provide immediate climate change and public health benefits

# SLCP Strategy

- SB 605 (Lara, 2014) directed development of SLCP Strategy to reduce emissions
- SB 1383 (Lara, 2016) directed approval and implementation of SLCP reduction measures
- Approved by the California Air Resources Board in March 2017
- Identifies measures for reducing SLCPs
  - 40 percent reduction of methane and HFCs and 50 percent reduction of anthropogenic black carbon from 2013 levels by 2030
- SLCP reductions support 2030 statewide GHG reduction target of 40 percent below 1990 levels (SB 32; Pavley, 2016)

# SB 1383 Requirements

- Begin implementation by January 1, 2018
- Identifies 2030 SLCP emission reduction targets
- Specific direction on methane reductions from:
  - Dairy and livestock operations
  - Landfills (organics diversion)
- Develop State policies for production and use of renewable gas

# SB 1383 SLCP Emission Reduction Targets

	Inventory (2013)	Forecast (2030)	Targets (2030)	Percent Reduction from 2013 Levels
Methane	118	117	71	40%
HFCs	40	65	24	40%
Black Carbon (Anthropogenic)	38	26	19	50%

*Emission Levels in MMTCO<sub>2</sub>e (using 20-year GWPs)*

# SB 1383 Landfill Diversion Achievement Roles

- ARB's role
  - Support CalRecycle, CAPCOA, and air districts
    - Lead Inter-agency waste working group
    - Coordinate and share with air districts supporting research (CalPoly SLO landfill emissions study)
- CalRecycle's role
  - Agency creating landfill regulation to meet SB1383 targets
  - Active participant in ARB's Inter-agency waste working group
  - Support CAPCOA and individual air districts
    - Coordinate and share with air districts supporting research (CalPoly SLO landfill emissions study)
    - Provide analyses for CAPCOA white paper for air districts
    - Participate in individual air district workgroups and regulatory development
    - Support LEAs in solid waste facility permitting
- Air districts' role
  - Air quality permitting of facilities