

**CALIFORNIA AIR RESOURCES BOARD**  
**Potential Scoping Plan Actions**  
**Existing Actions, New/Proposed Actions, and Concepts for Discussion**  
**April 1, 2016**

**Industrial Sector**

This document provides a summary of existing actions that must be considered in the 2030 Target Scoping Plan update, actions in plans currently under development, and potential new concepts for consideration by the Environmental Justice Advisory Committee (EJAC).

ARB staff is soliciting the following feedback from the EJAC:

1. Are there other actions that should be considered?
2. For the Existing Actions, does the EJAC have thoughts on the process for implementation to date?
3. For New Actions, does the EJAC support those actions in their current form (for example, should we be trying to achieve a greater than 50% RPS by 2030?) Does the EJAC have proposals on how to implement these actions?
4. For Proposed and Concepts for Discussion, is there any concern or support for considering these actions?
5. For New, Proposed, and Concepts, should these actions be supported through incentives, prescriptive regulations, other?
6. Are there specific local actions that should be promoted in disadvantaged communities?

Existing Actions: These actions were identified in the original 2008 Scoping Plan and/or the 2014 1<sup>st</sup> Scoping Plan Update and have a specific action number is associated with it.

New Actions: These actions have been adopted since the 2014 Scoping Plan Update.

Proposed Actions: These actions have been proposed in California agency public documents, but not formally adopted yet.

Concepts for Discussion: These represent concepts from various sources but have not yet been endorsed in any California agency public documents related to the 2030 Target Scoping Plan.

<b>Industrial Sector</b>		
<b>SP No.</b>	<b>Industry Actions</b>	<b>State of Actions/Board Consideration Dates</b>
I-1	Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	July 2010
I-2	Oil and Gas Extraction GHG Emission Reduction	Anticipated to Board for adoption Q1 2017
I-3	GHG Emissions Reduction from Natural Gas Transmission and Distribution	Under evaluation
I-4	Refinery Flare Recovery Process Improvements	Equivalent action implemented by local air districts
I-5	Work with the local air districts to evaluate	Under evaluation in collaboration

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	amendments to their existing leak detection and repair rules for industrial facilities to include methane leaks	with local air districts
In Scoping Plan but # not assigned	Cap-and-Trade Regulation—also applicable to electricity and transportation sectors. <a href="http://www.arb.ca.gov/cc/capandtrade/capandtrade.htm">www.arb.ca.gov/cc/capandtrade/capandtrade.htm</a>	Program started January 1, 2012, with an enforceable compliance obligation beginning with 2013 GHG emissions. Amendments currently under development to align program with the state's strategy to comply with the federal Clean Power Plan. Anticipated to Board for adoption Q1 2017.
<b>SP No.</b>	<b>High GWP Gases Actions</b>	<b>Status of Action/Board Consideration Date</b>
H-1	Motor Vehicle Air-Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing  <a href="http://www.arb.ca.gov/cc/hfc-mac/hfcdiy/hfcdiy.htm">www.arb.ca.gov/cc/hfc-mac/hfcdiy/hfcdiy.htm</a>	January 2009 (early action item)
H-2	SF6 Limits in Non-Utility and Non-Semiconductor Applications  <a href="http://www.arb.ca.gov/cc/sf6nonelec/sf6nonelec.htm">www.arb.ca.gov/cc/sf6nonelec/sf6nonelec.htm</a>	February 2009 (early action item)
H-3	Reduction of Perfluorocarbons in Semiconductor Manufacturing  <a href="http://www.arb.ca.gov/cc/semiconductors/semiconductors.htm">www.arb.ca.gov/cc/semiconductors/semiconductors.htm</a>	February 2009 (early action item)
H-4	Limit Use of Compounds with High GWP in Consumer Products  <a href="http://www.arb.ca.gov/consprod/regact/ghgcp/ghgcp.htm">www.arb.ca.gov/consprod/regact/ghgcp/ghgcp.htm</a>	June 2008 (early action item)
H-5	Low GWP Refrigerants for New Motor Vehicle Air-Conditioning Systems  <a href="http://www.arb.ca.gov/cc/hfc-mac/mvac-gwp/mvac-gwp.htm">www.arb.ca.gov/cc/hfc-mac/mvac-gwp/mvac-gwp.htm</a>	Part of ACC Program
H-6	Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program  <a href="http://www.arb.ca.gov/cc/rmp/rmp.htm">www.arb.ca.gov/cc/rmp/rmp.htm</a>	December 2009 (early action item)
	Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration  <a href="http://www.arb.ca.gov/cc/rmp/rmp.htm">www.arb.ca.gov/cc/rmp/rmp.htm</a>	Energy conservation actions and leak-tight design and installation standards for supermarket refrigeration added to Title 24 Building Code January 2014
	SF6 Leak Reduction Gas Insulated Switchgear  <a href="http://www.arb.ca.gov/cc/sf6elec/sf6elec.htm">www.arb.ca.gov/cc/sf6elec/sf6elec.htm</a>	February 2010
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Possible	Financial Incentive for Low-GWP Refrigeration Early	Identified in Draft SLCP Strategy.

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<b>SP No.</b>	<b>Industry Actions</b>	<b>State of Actions/Board Consideration Dates</b>
	Adoption	Strategy to Board for adoption late summer 2016. International or national agreements best way to phase down production and use of HFCs. If no Montreal Protocol amendments agreement reached in 2016, ARB to evaluate feasibility of phasedown for California.  <a href="http://www.arb.ca.gov/cc/shortlived/shortlived.htm">www.arb.ca.gov/cc/shortlived/shortlived.htm</a>
Possible	California HFC Supply Phasedown, in partnership with EU, Canada, Japan, and Australia	
Possible	Sales ban of very high GWP refrigerants	
Possible	High-GWP Refrigerant Prohibitions in New Stationary Systems (new commercial, industrial, and residential stationary refrigeration and air-conditioning equipment)	