

CALIFORNIA'S ROADMAP TO REDUCING REFRIGERANT EMISSIONS



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CA's Legislative Mandates to Reduce GHGs



AB 32
(2006)



SB 32
(2016)

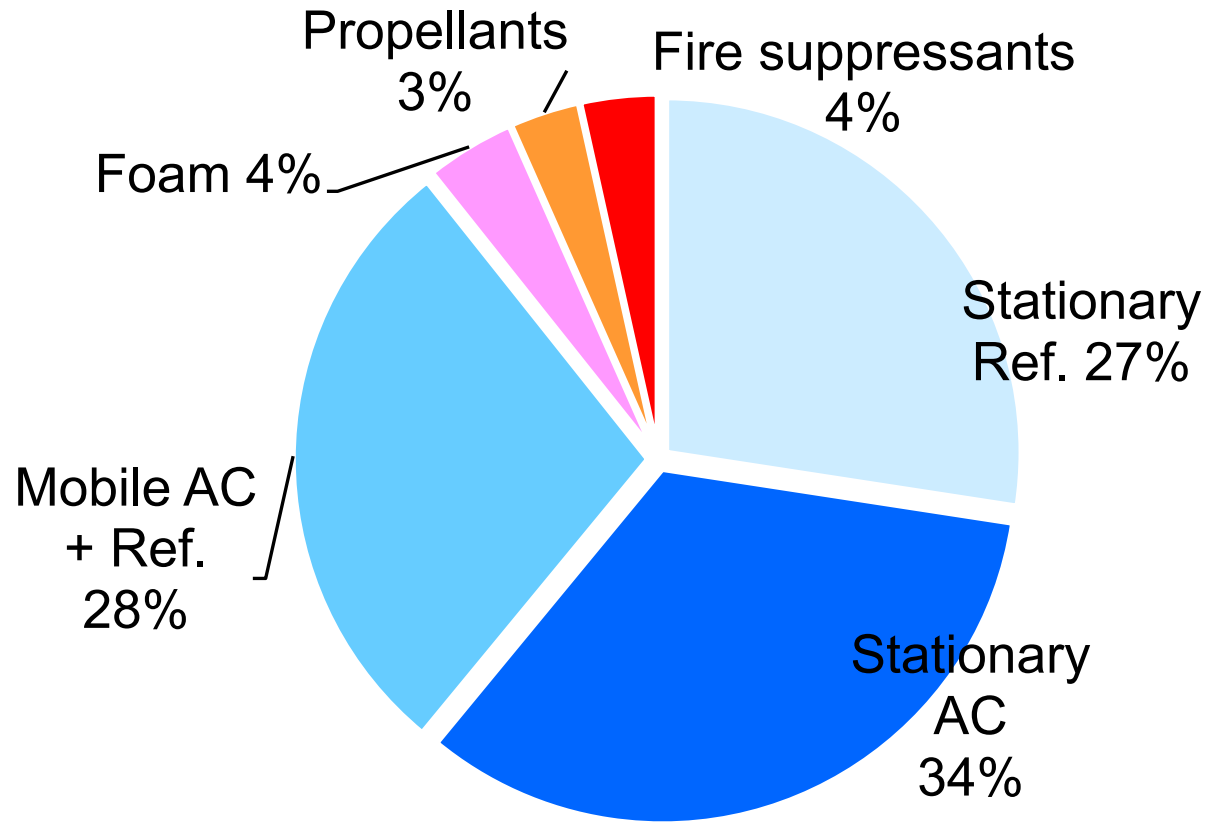


SB 1383
(2016)



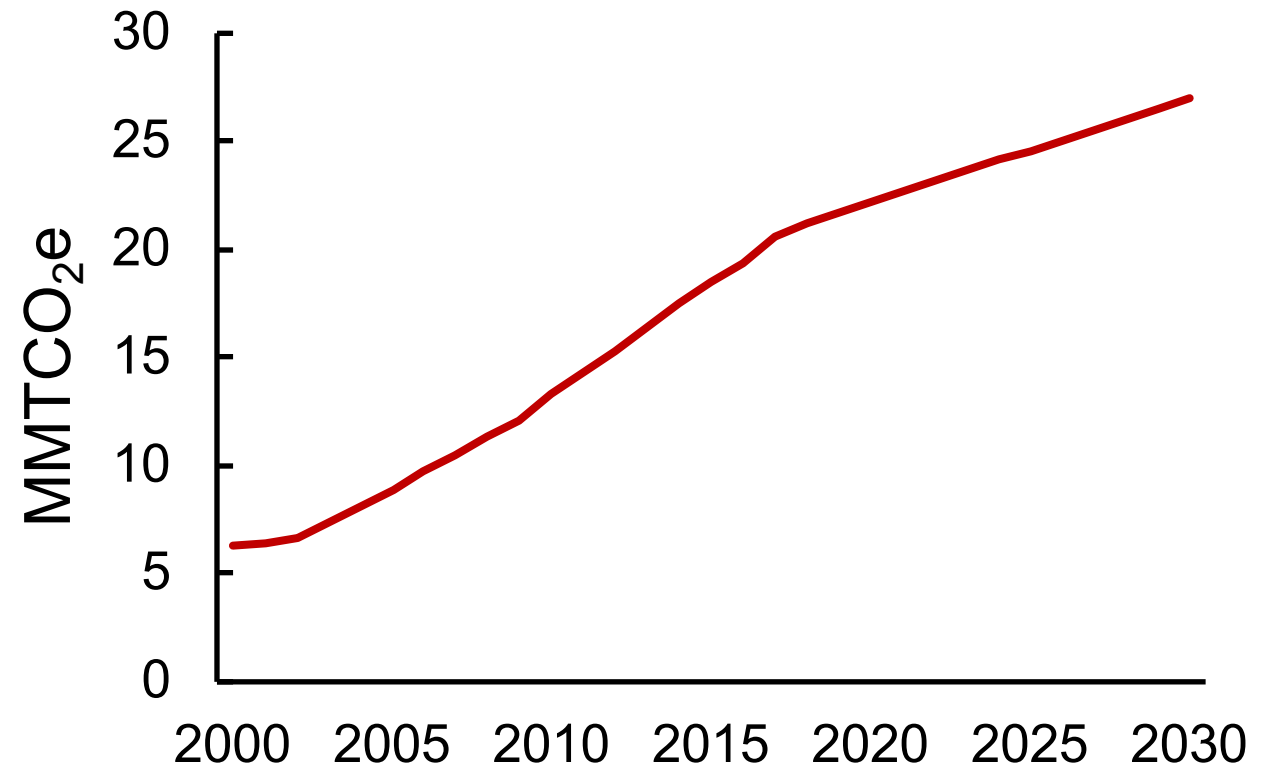
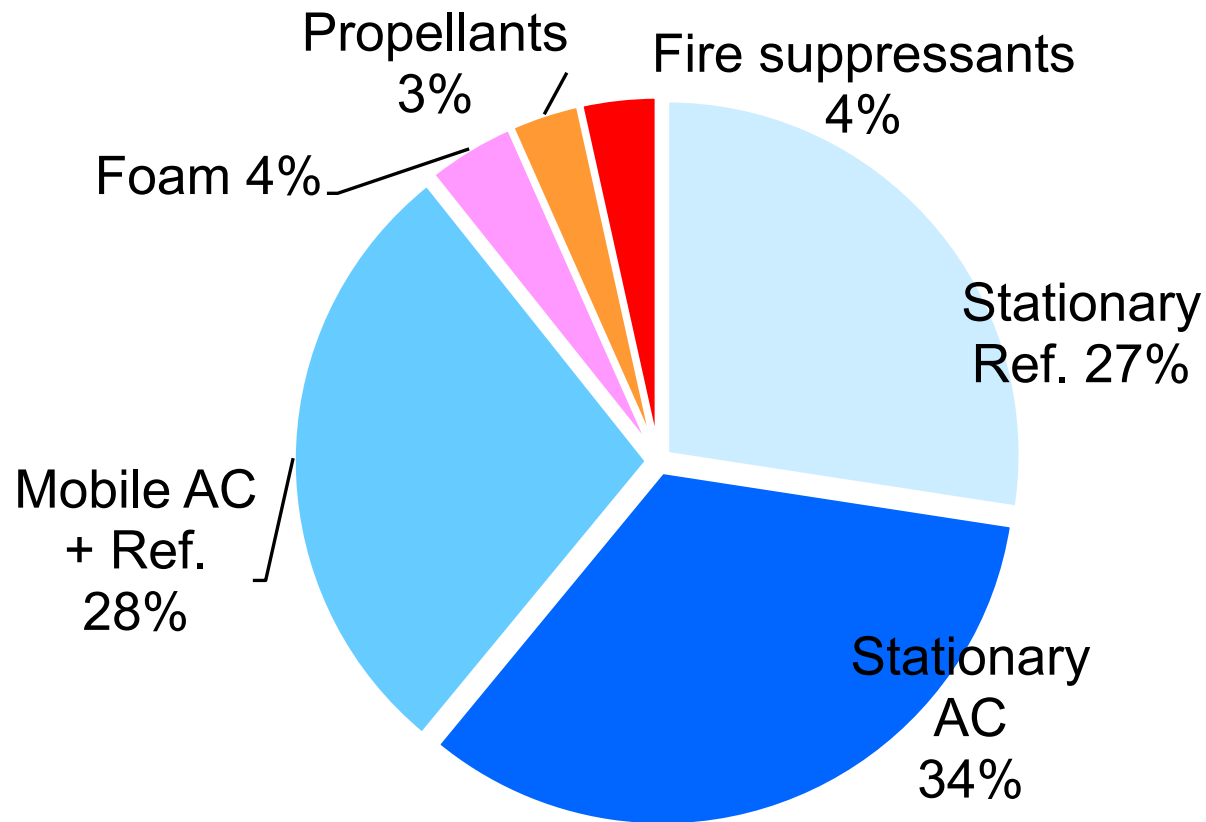
EO B-55-18
(2018)

HFC Sources and Emission Trends in CA



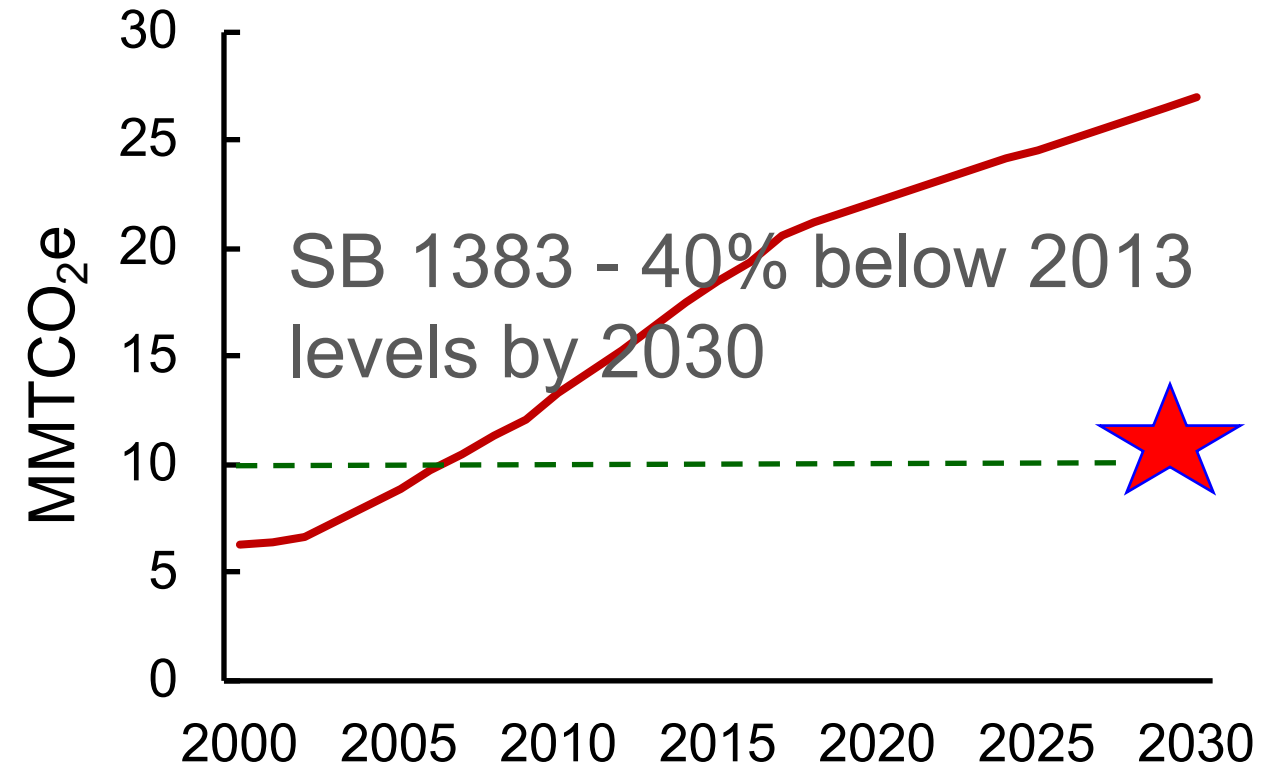
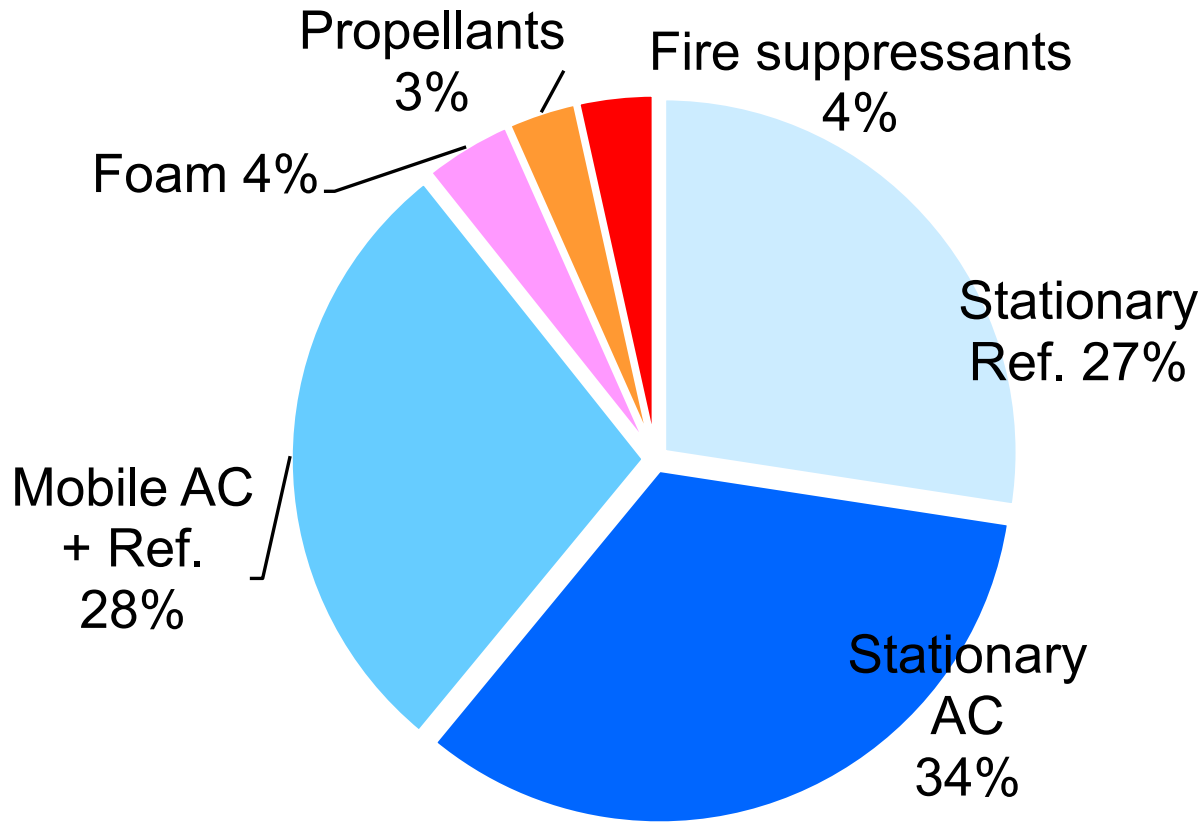
Source: CARB HFC Inventory, 2018

HFC Sources and Emission Trends in CA



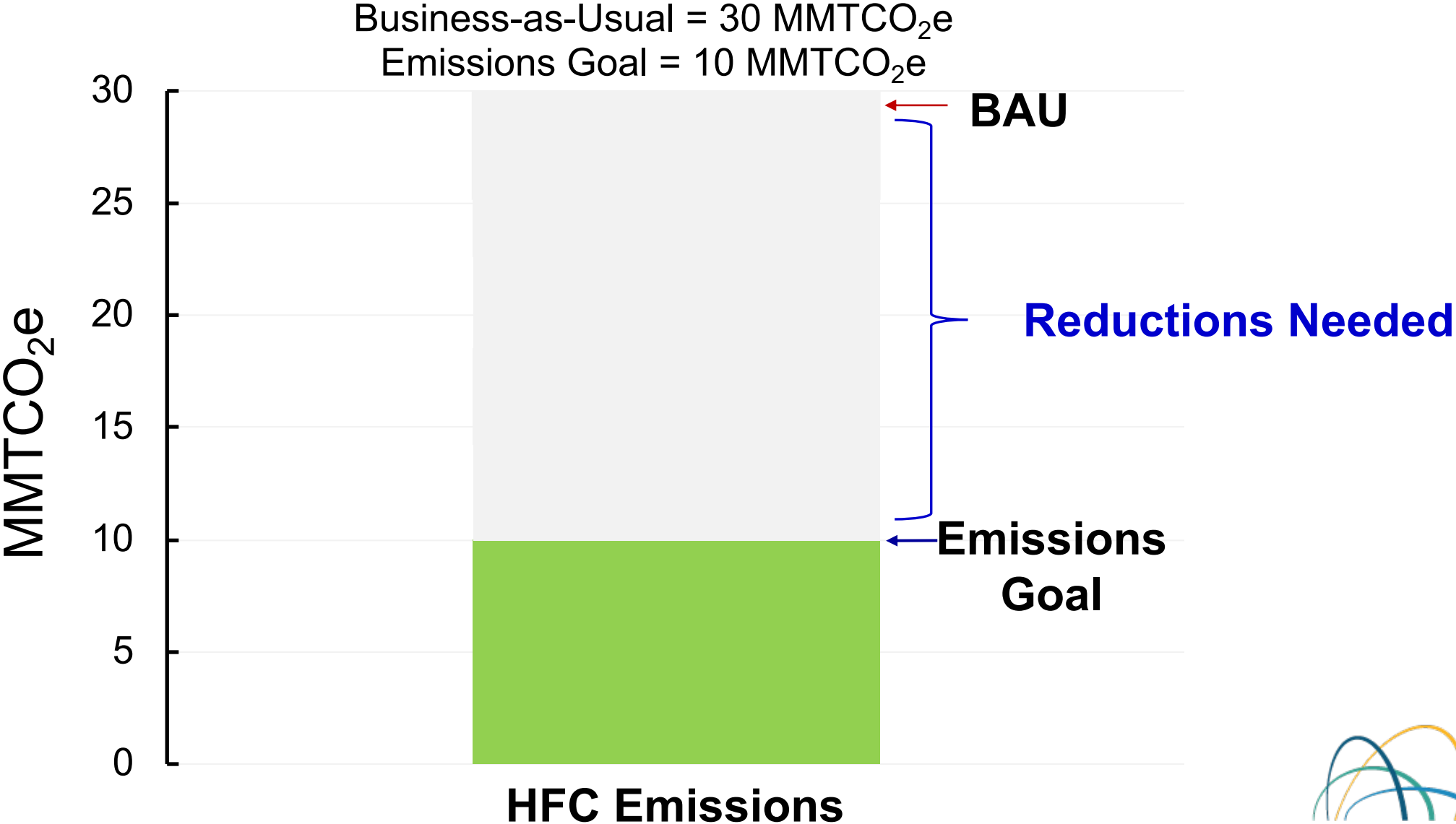
Source: CARB HFC Inventory, 2018

HFC Sources and Emission Trends in CA

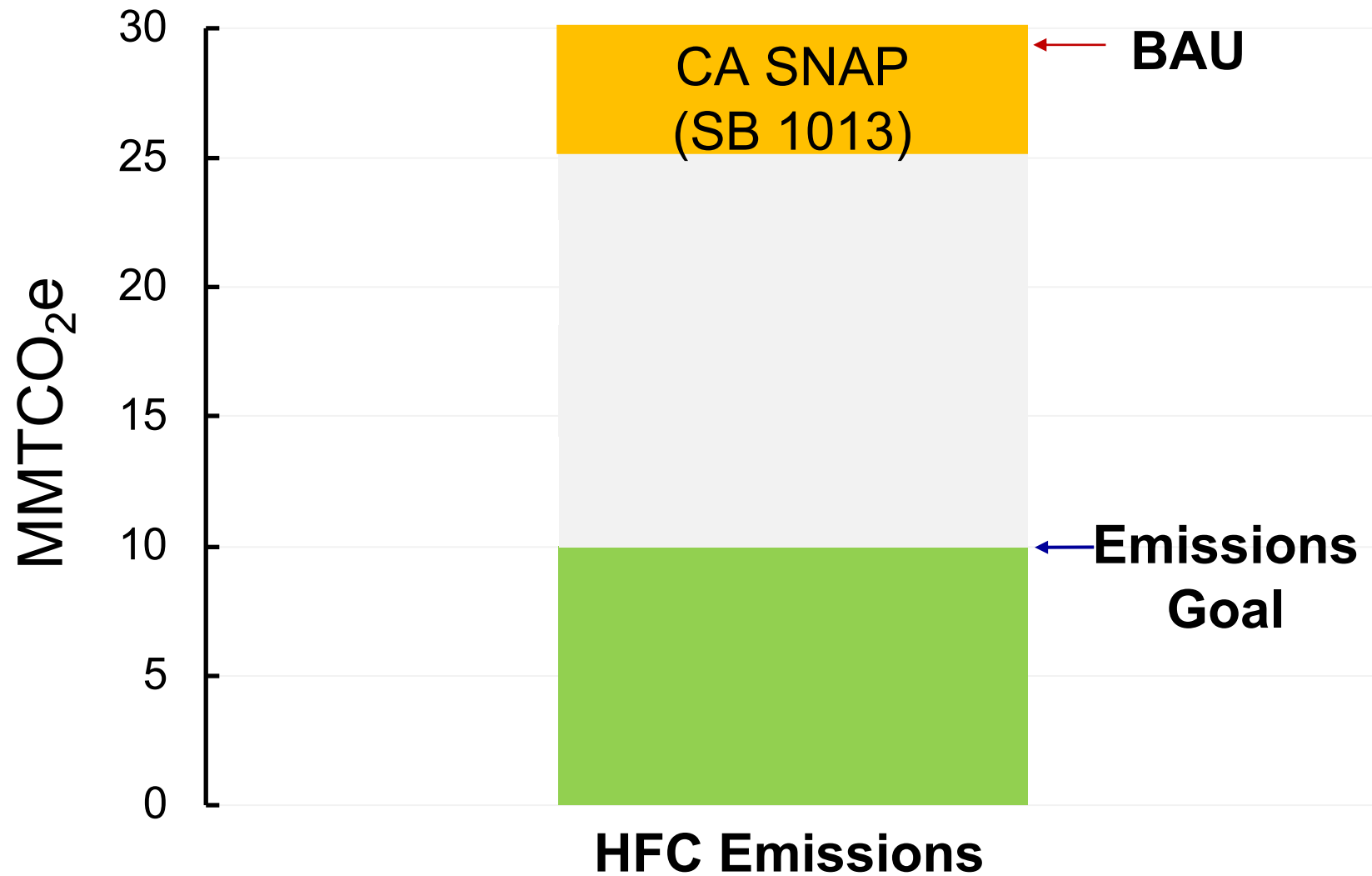


Source: CARB HFC Inventory, 2018

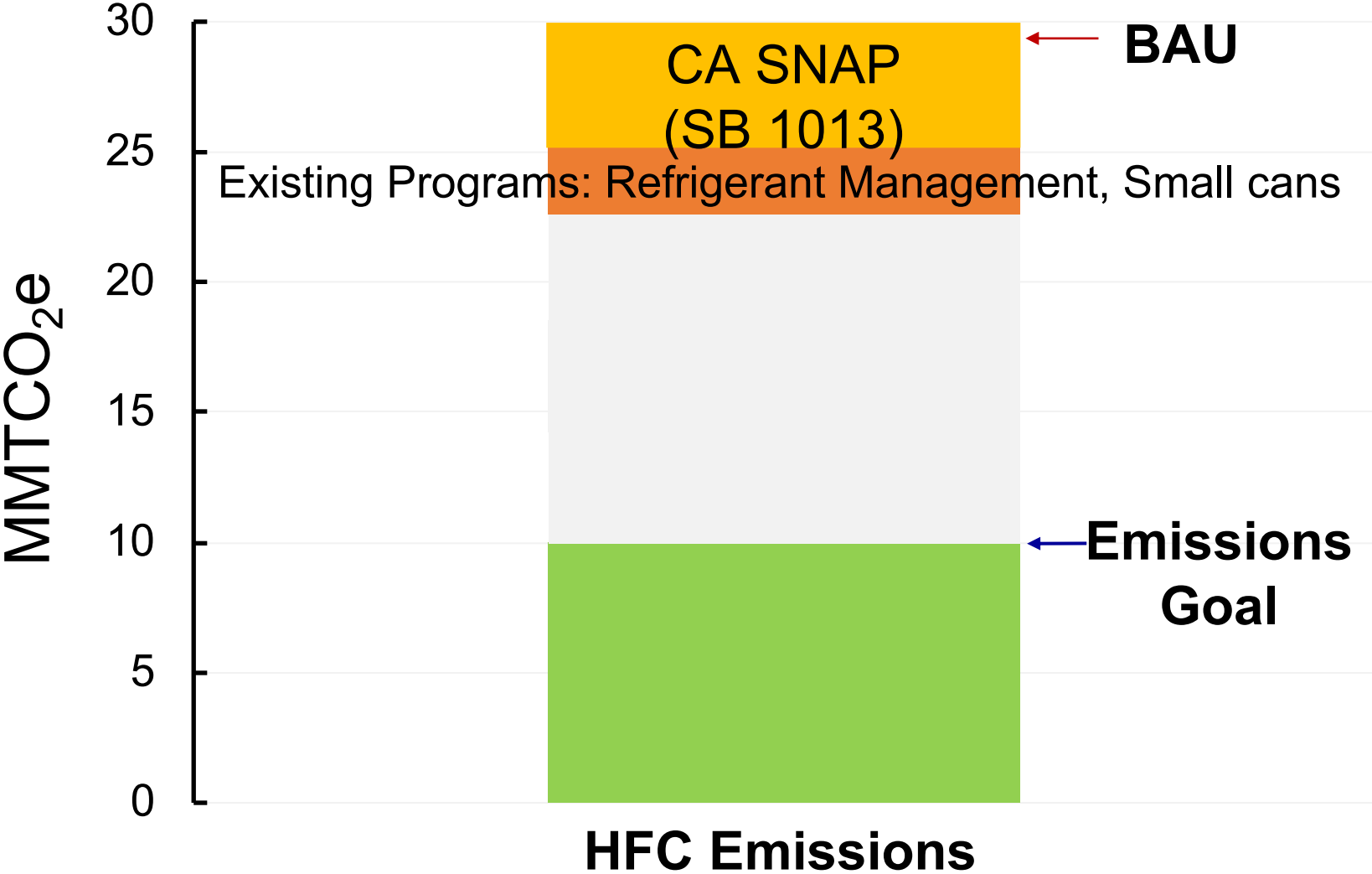
How will CA meet SB 1383 by 2030?



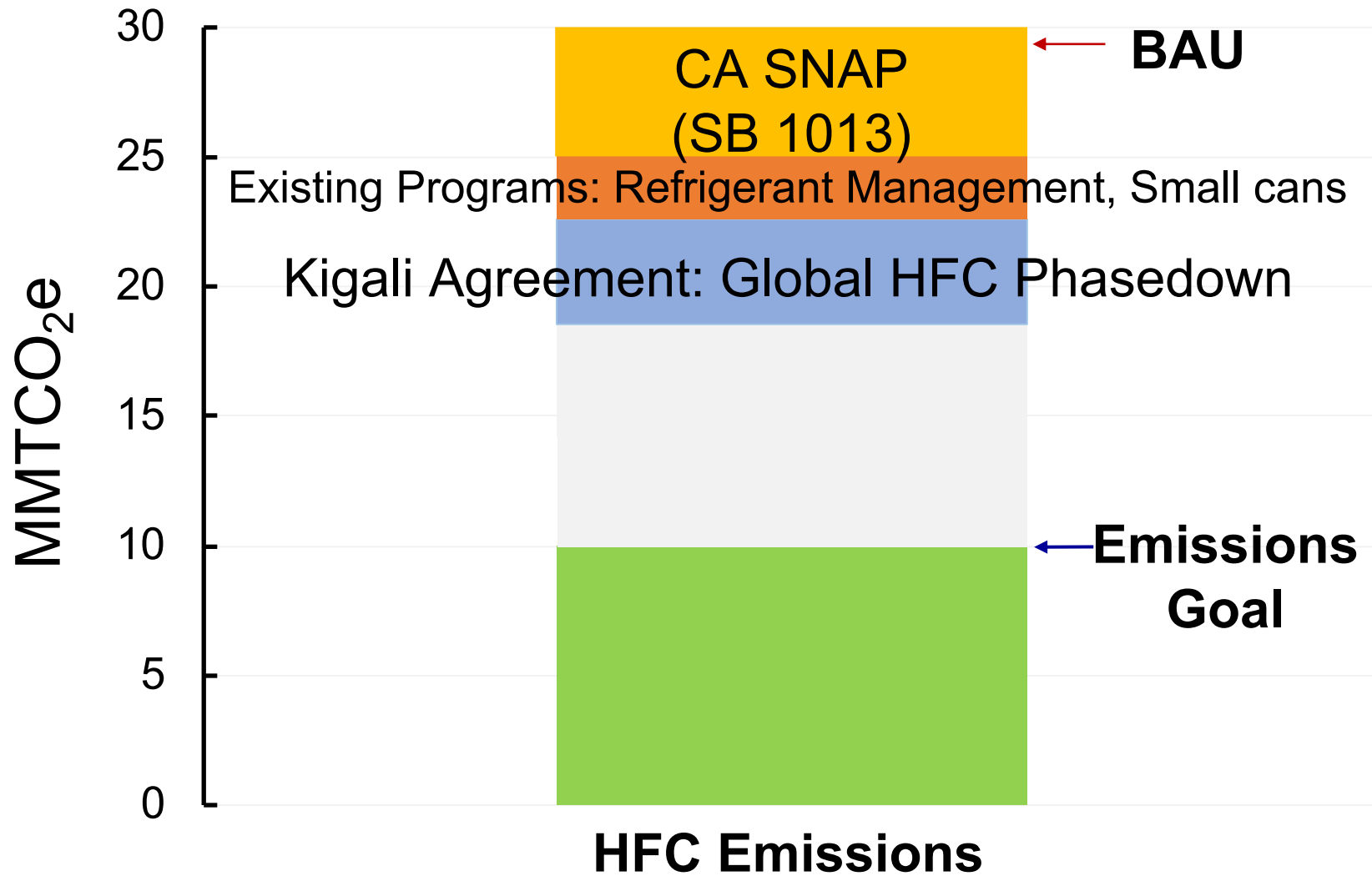
How will CA meet SB 1383 by 2030?



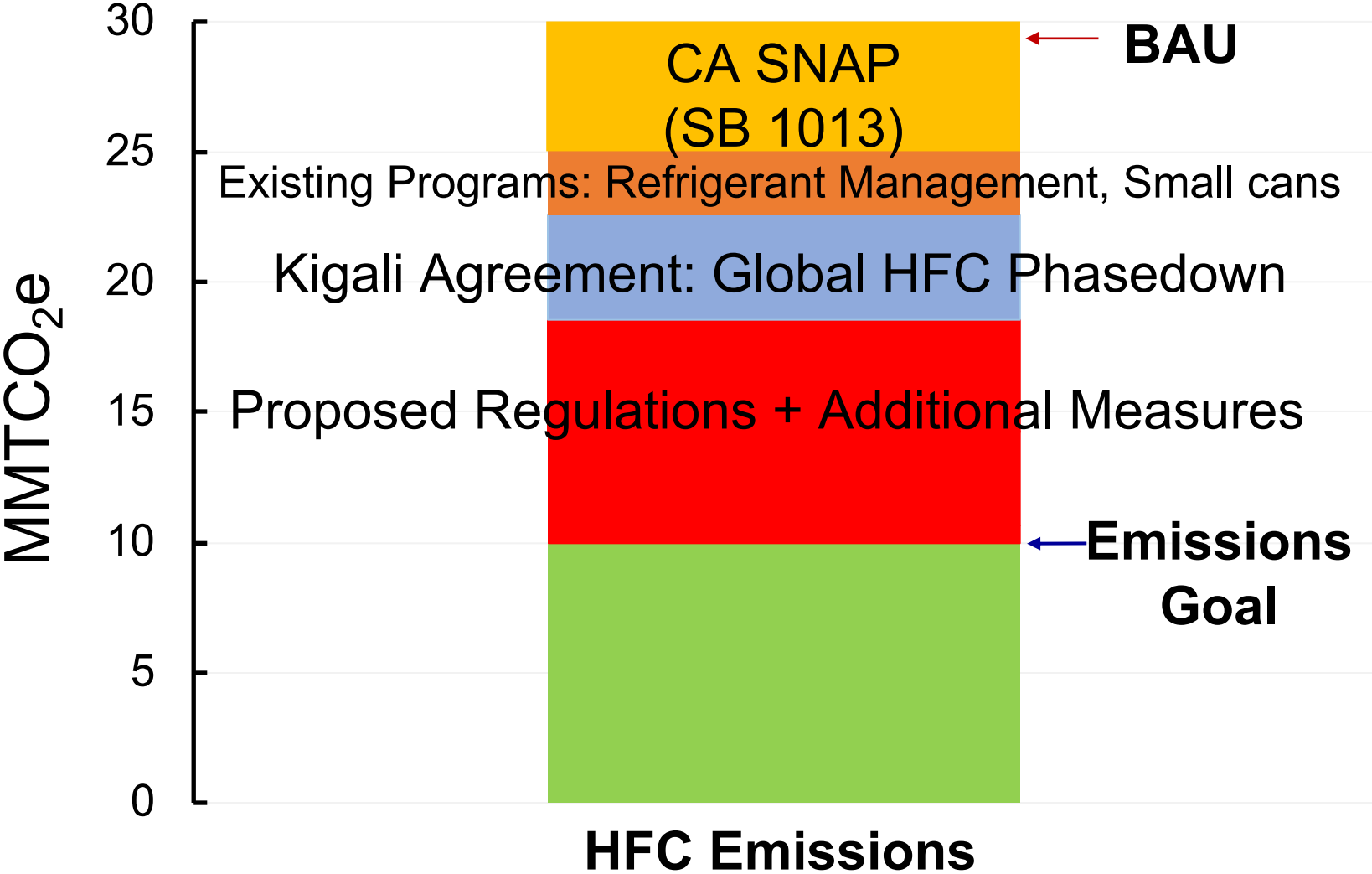
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Proposed Regulations + Additional Measures

- GWP limit on new AC systems
- GWP limit on new refrigeration systems
- Restriction on sales of high-GWP virgin refrigerant

- Incentives for low-GWP refrigeration systems
- Additional Measures

AC Regulation

New AC systems restricted to GWP < 750 starting 2023

Ref. Regulation

New refrigeration systems restricted to GWP < 150 starting 2022

Sales Restriction

Restriction on sales of virgin refrigerant GWP > 1500 starting 2022

AC Regulation	Ref. Regulation	Sales Restriction
<p>New AC systems restricted to GWP < 750 starting 2023</p> <p>Challenges:</p> <ul style="list-style-type: none"><li>• Codes and standards not in place for alternatives<li>• Build infrastructure for safe use of alternatives	<p>New refrigeration systems restricted to GWP < 150 starting 2022</p> <p>Challenges:</p> <ul style="list-style-type: none"><li>• Low-GWP systems more expensive<li>• Lack of familiarity	<p>Restriction on sales of virgin refrigerant GWP > 1500 starting 2022</p> <p>Challenges:</p> <ul style="list-style-type: none"><li>• State only sales restriction challenging to implement

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