

**Low-GWP & Energy
Efficiency Expo**



Welcome

Day 2: January 16th, 2020

End-User Alternative Proposal to CARB

CARB HFC Reduction Measures

New Equipment
<150 GWP



Hurdles

Potential Trigger Existing Stores

- High Costs
- NOT economically feasible
- NOT technically feasible



End-User Alternative Proposal

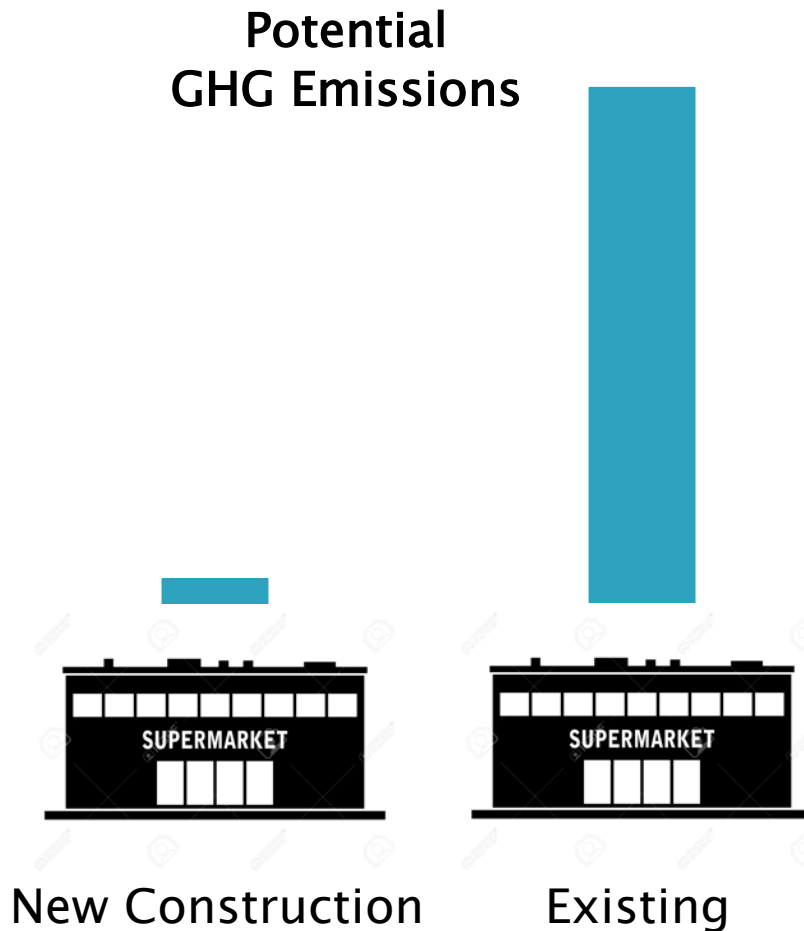
New *Systems*
<150 GWP

Prescriptive
Retrofit Program

Blended/GHGP
Program

Weighted GWP
Program

Existing Facilities Session



- Can <150 GWP refrigerants be incorporated?
- Modular transition?
- Costs?
- Energy impacts?
- Timeline?
- Technology gaps?

Existing Facilities Session

Panelists

- Tristam Coffin, Whole Foods Market
- Keith Oliver, Kroger
- KC Kolstad, Target
- Dan Messner, Stater Bros.
- Keilly Witman, H-E-B

Presenters

- Rob Arthur, Cushing Terrell (CTA)
- Tom Wolgamot, DC Engineering

NASRC Initiatives

Cost Parity

- Demonstration pilots, data validation
- Aggregated Incentive Program

Access to Data

- TCO Study, case studies
- Data collection Platform

Service Readiness

- CO2 curriculum
- Training events & resources

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Thank You!

Special Thanks to SCE for Hosting