

DOCKETED

Docket Number:	19-DECARB-01
Project Title:	Decarbonization
TN #:	231005
Document Title:	CEC - Scope of the Building Decarbonization Assessment
Description:	N/A
Filer:	Junguang Lu
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	12/5/2019 10:02:17 AM
Docketed Date:	12/5/2019

Scope of the Building Decarbonization Assessment



Heriberto Rosales
December 4, 2019
California Energy Commission

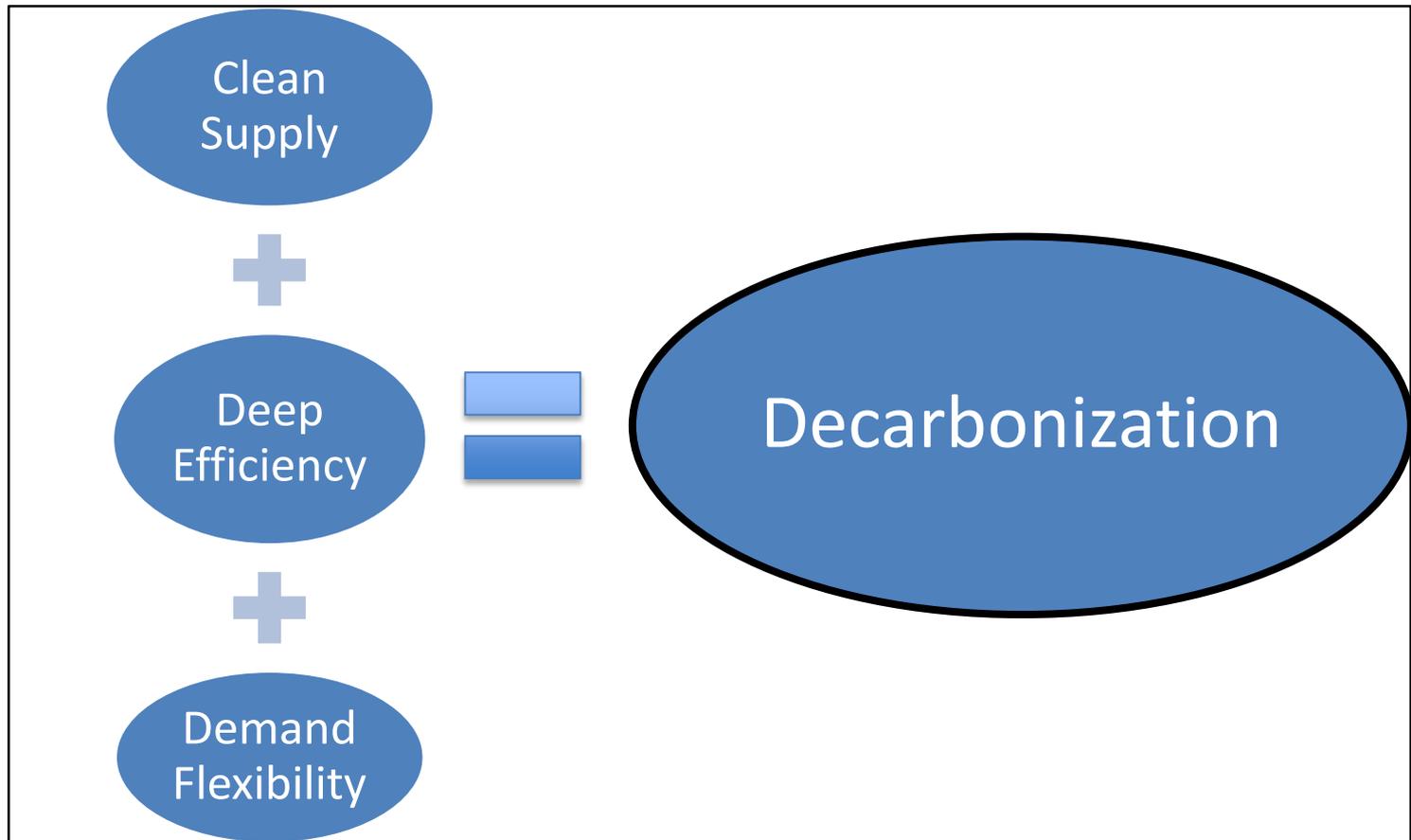


Policy Framework

- **AB 3232** (Friedman, Chapter 373, Statutes of 2018)
 - Related decarbonization efforts include AB 32 (Nuñez, 2006), SB 32 (Pavely, 2016), and SB 100 (De León, 2018)
 - Building decarbonization assessment
 - Deliverable by January 1, 2021
 - Buildings sector GHG emissions
 - 40 percent x 2030 reduction GHG target



Optimizing Decarbonization





Building Sectors

➤ Residential buildings

Housing data



➤ Commercial buildings

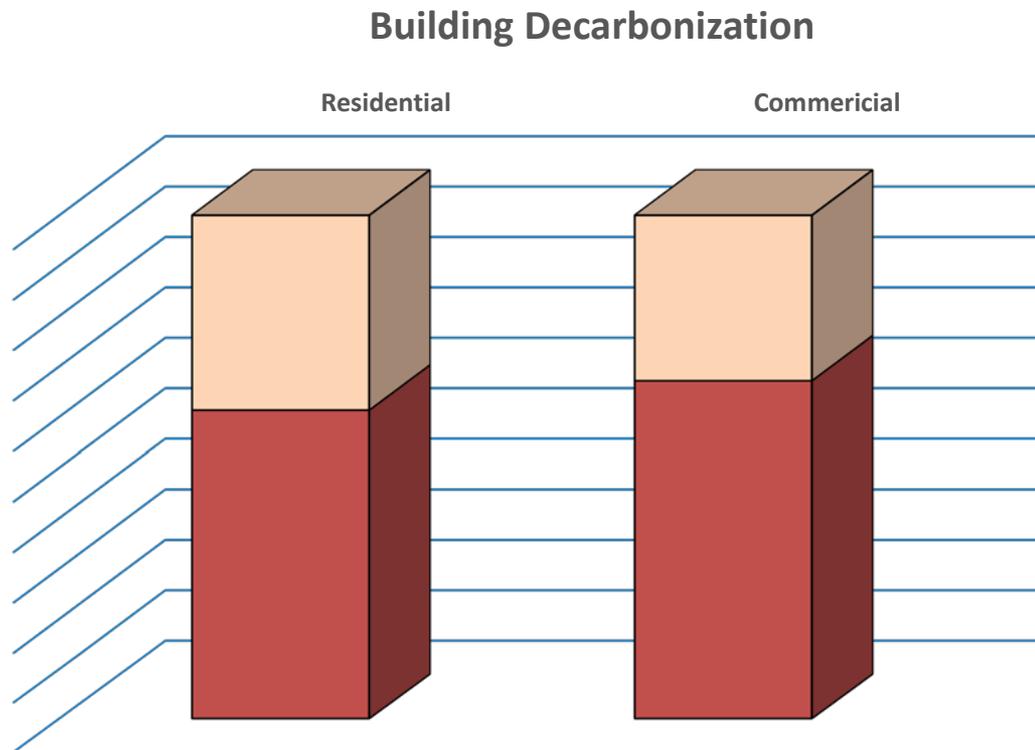
Building unit data





Emissions Baseline

➤ 1990 emissions baselining





Emissions Modeling

- **Projections of possible GHG reductions across the building sector will consider:**
 - Fuel substitution at scale**
 - Increased shift from gas to electric**
 - Hourly emissions intensities from the system**



Impacts and Strategies

- **Building owners**
- **Ratepayers**
- **Low-income and disadvantaged communities**
- **Workforce**
- **Grid reliability**





Data Considerations

- **PRC § 25403(1), “An evaluation, based on the best available data and existing analyses...”**
- **Resources regarding GHG Emissions and Inventory**
- **Resources regarding Decarbonization Studies and Strategies**



Schedule

ACTIVITY	ACTION DATE
Project scope and baseline recommendation posted	November 2019
Additional public workshops	Qtr. 1 and 2, 2020
Draft Building Decarbonization Assessment released	Qtr. 3, 2020
CEC public workshop regarding Draft Building Decarbonization Assessment	Qtr. 3, 2020
Decarbonization Assessment adopted by CEC	Qtr. 4, 2020



Public Process

- **19-DECARB-01 proceeding docket**
 - Subscribe to list serves: Existing Buildings, Climate Change, Natural Gas**
- **Submit and view comments**
- **Comment period closes December 19**

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