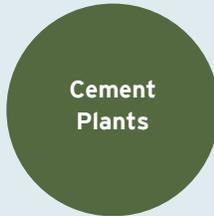


# Supplier Pledges

Cement / Ready-mixed Concrete / Contractors /  
Emerging Technology Vendors

## SUPPLIER PLEDGE CATEGORIES



# Supplier Pledges

Cement / Ready-mixed Concrete / Contractors /  
Emerging Technology Vendors

## DEMONSTRATION PROJECTS

This category focuses on accelerating interest, testing, and supply of both emerging low-carbon concrete technologies and near-zero OPC, PLC, or LC3 as these become available.

Level 1	Level 2	Level 3
<p><b>Work with developers/ owners to complete 5 demonstration projects and report performance results for concrete mixes achieving:</b></p> <p><b>GWP limits &gt;40% better than 2022 <u>regional NRMCA benchmarks</u></b></p>	<p><b>Work with developers/ owners to complete 5 demonstration projects and report performance results for concrete mixes achieving:</b></p> <p><b>GWP limits &gt;50% better than 2022 <u>regional NRMCA benchmarks</u></b></p>	<p><b>Work with developers/ owners to complete 5 demonstration projects and report performance results for concrete mixes achieving:</b></p> <p><b>Near-zero emissions GWP benchmarks identified by the <u>First Mover's Coalition (FMC) commitment</u></b></p>
by December 2026	by December 2026	by December 2027

**Note:** Concrete mixes should leverage performance-based specifications and use alternative SCMs, alternative cements, or 1T ternary blended cements.

**Note:** The NRMCA benchmarks will be updated over time. Given the lack of information available to predict how these benchmarks will change over time, organizations may continue to reference the 2022 NRMCA benchmarks as baselines for the purposes of this pledge framework. Alternatively, longer term coalition partners may choose to calibrate pledges against benchmarks developed by the Environmental Protection Agency (EPA) as part of its labeling program.

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## CEMENT PRODUCERS - Cement Plants

Investments to decarbonize existing cement production facilities are underway, in some cases initiated by DOE OCED investments. This category focuses on scaling decarbonization initiatives by existing cement producers in 2030 and beyond.

Level 1	Level 2	Level 3
<p><b>Achieve a 25% reduction in total company-wide emissions from a baseline measured in 2020</b></p> <p><b>AND</b></p> <p><b>Achieve a &gt;50% reduction in emissions for a single US-based plant</b></p>	<p><b>Achieve a 40% reduction in total company-wide emissions from a baseline measured in 2020</b></p> <p><b>AND</b></p> <p><b>Operate 1 net-zero emissions cement plant in the US and supply product to the market</b></p>	<p><b>Achieve a &gt;50% reduction in total company-wide emissions from a baseline measured in 2020</b></p> <p><b>AND</b></p> <p><b>Operate 3 net-zero emissions cement plant in the US and supply product to the market</b></p>
<b>by December 2030</b>	<b>by December 2035</b>	<b>by December 2035</b>

**Note:** Emissions reductions to be measured per ton of cement produced

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## CEMENT PRODUCERS - Blended / Near-zero Cements

Blended cements and near-zero cement products will play a role in cement sector decarbonization. This category focuses on advancing the supply of these products by cement companies, in 2030 and beyond.

Level 1	Level 2	Level 3
Supply blended cement products achieving a >20% clinker substitution (0.8 clinker factor)	Supply blended cement products achieving a >40% clinker substitution (0.6 clinker factor)	Supply near-zero cement products, as defined by the <u>First Mover's Coalition</u> (<184 kg CO <sub>2</sub> e/ton)
by December 2030	by December 2030	by December 2035

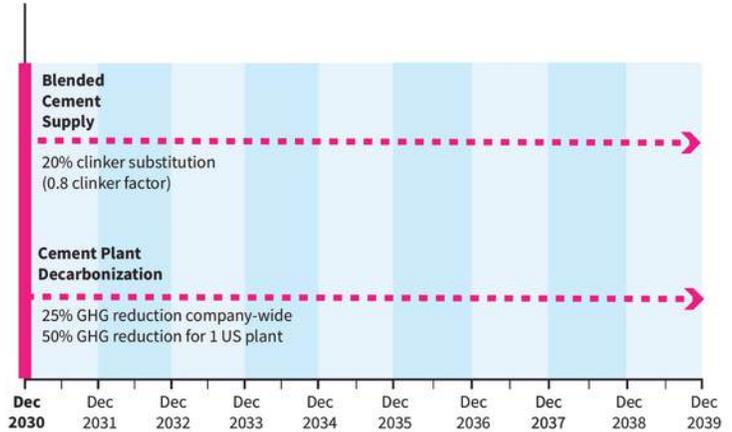
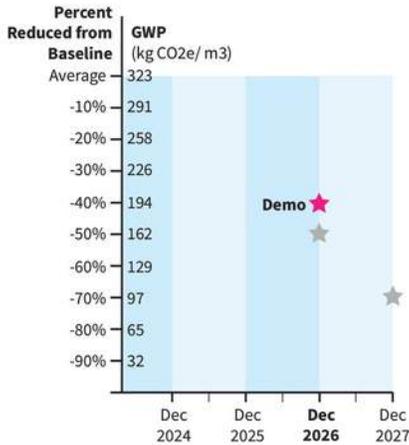
# Supplier Pledges

## Timeline

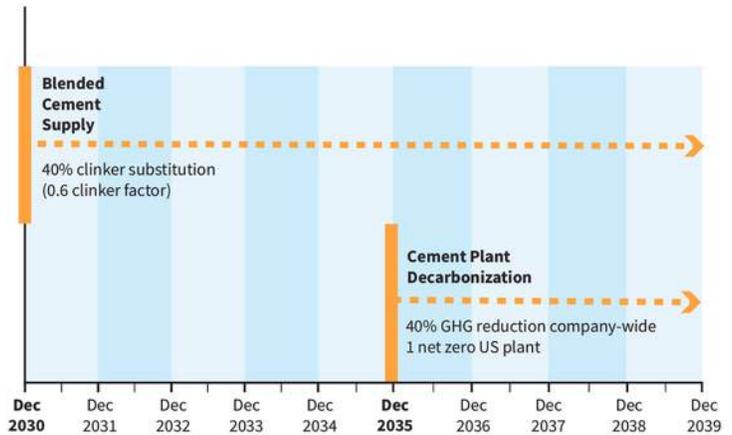
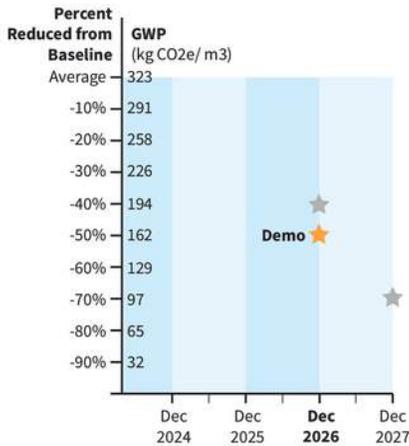
### DEMONSTRATION PROJECTS

### CEMENT PRODUCERS

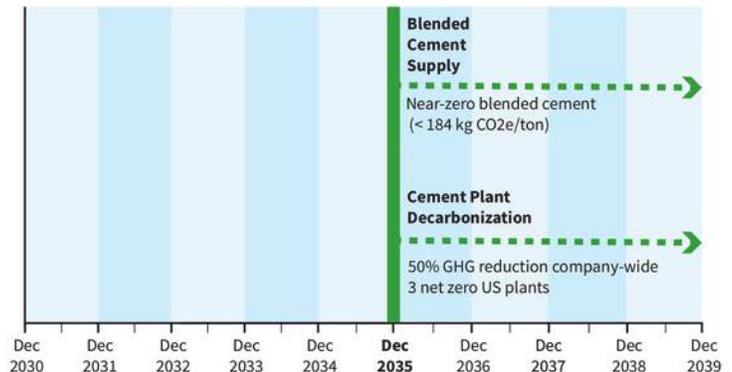
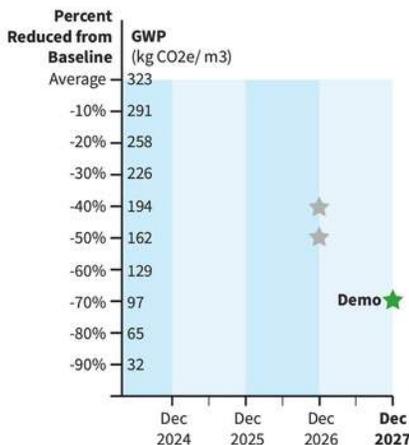
Level 1



Level 2



Level 3



**Note:** GWP values are illustrative for ready-mix concrete with a compressive strength of 4000 psi, based on the 2022 NRMCA Southwest Regional Average

# Market Accelerator Pledges

Public Agencies / DOTs, Universities, Startups, Finance

## MARKET ACCELERATORS

Beyond demonstration, procurement, and supply, there is an important role for entities to catalyze market development to scale low-carbon concrete application. The following commitment categories will support this market acceleration.

### Public Agency - Specifications

**Establish a task force to review and update concrete specifications to remove barriers and prescriptive criteria that impede adoption of low carbon concrete in the market (e.g. eliminate cement minimums and/or SCM maximums, allow ASTM C150, C595, and C1157)**

**Pilot performance-based specification and contracting, including GWP limits**

### Public Agency / University - Testing Labs

**Provide access and testing equipment to facilitate performance validation of innovative low-carbon technologies (e.g. alternative cements & SCMs)**

### Finance

**Invest in innovative companies in this space**

### Startup Technology Vendors

**Maintain robust and aligned data disclosure on environmental impact claims**

**Maintain transparency in sharing lessons learned from case studies / demonstration projects**

### All Stakeholders - Workforce Development

**Develop educational programs to support workforce capacity building for designers, specifiers, contractors, and suppliers**

by December 2025