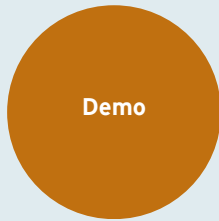


Buyer Pledges

Real Estate Developers, Owners, Public Agencies / DOTs

BUYER PLEDGE CATEGORIES



Buyer Pledges

Real Estate Developers, Owners, Public Agencies / DOTs

BUY CLEAN

Buy Clean is a procurement policy approach incorporating low-carbon requirements into government construction material purchasing. This pledge category will scale Buy Clean to the private sector, as well as local and state agencies.

Level 1	Level 2	Level 3
<p>Adopt specifications requiring Environmental Product Declarations (EPDs) for concrete materials in:</p> <ul style="list-style-type: none"> • all building projects exceeding 25,000 sf • infrastructure projects exceeding 50 cy of concrete 	<p>Adopt Global Warming Potential (GWP) limits for concrete materials in:</p> <ul style="list-style-type: none"> • all building projects exceeding 25,000 sf • infrastructure projects exceeding 50 cy of concrete <p>GWP limits to be set at 15% better than 2022 <u>regional NRMCA benchmarks</u></p>	<p>Adopt Global Warming Potential (GWP) limits for concrete materials in:</p> <ul style="list-style-type: none"> • all building projects exceeding 25,000 sf • infrastructure projects exceeding 50 cy of concrete <p>GWP limits to be set at 30% better than 2022 <u>regional NRMCA benchmarks</u></p>
by December 2025	by December 2025	by December 2026

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 choose to reference the 2022 NRMCA benchmarks as baselines for the purposes of this pledge framework. Alternatively, coalitions continue to coordinate on these pledges may choose to calibrate against benchmarks developed by the Environmental Protection Agency (EPA)

Buyer Pledges

Real Estate Developers, Owners, Public Agencies / DOTs

DEMONSTRATION PROJECTS

This category will raise the level of ambition for low-carbon ready-mix concrete through technology demonstration projects. Demonstration projects are essential to maintain progress toward long-term decarbonization goals, cultivate industry confidence in low-carbon mixes, and develop a workforce to implement these solutions.

Level 1	Level 2	Level 3
<p>Complete 5 demonstration placements and report performance results for concrete mixes achieving:</p> <p>GWP limits >40% better than 2022 <u>regional NRMCA benchmarks</u></p>	<p>Complete 5 demonstration placements and report performance results for concrete mixes achieving:</p> <p>GWP limits >50% better than 2022 <u>regional NRMCA benchmarks</u></p>	<p>Complete 5 demonstration placements and report performance results for concrete mixes achieving:</p> <p>Near-zero emissions GWP benchmarks identified by the <u>First Mover's Coalition (FMC) commitment</u></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.

Buyer Pledges

Real Estate Developers, Owners, Public Agencies / DOTs

BEYOND BUY CLEAN

This category focuses on aggregating demand for deeply decarbonized concrete mixes, in 2026 and beyond. Procurement commitments such as these are essential to demonstrate demand for innovative, low-carbon concrete products and improve the bankability of supply-side decarbonization investments.

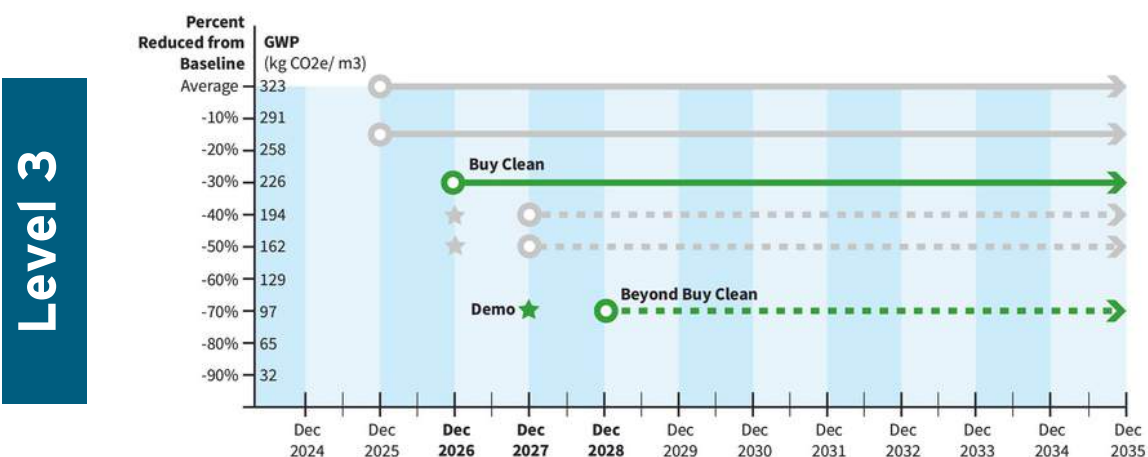
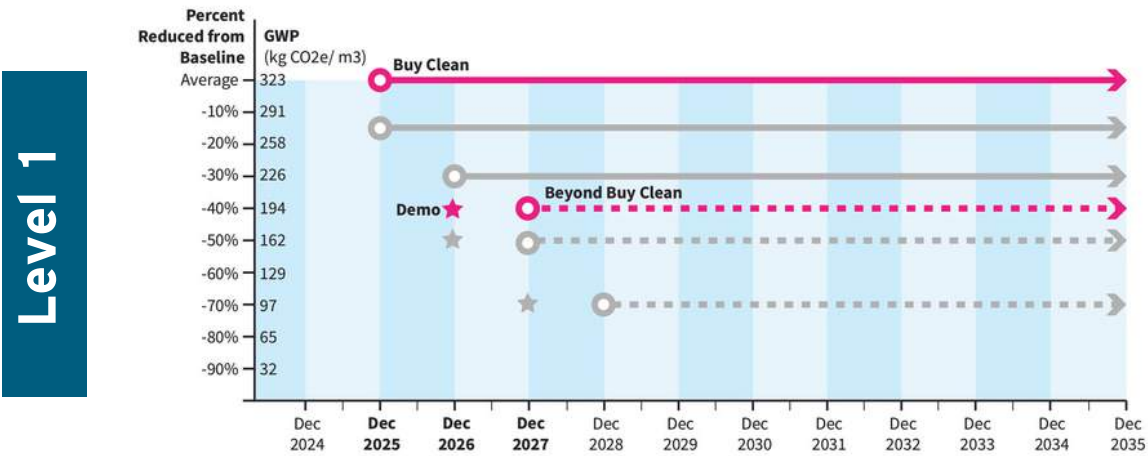
Level 1	Level 2	Level 3
<p>Specify, for 20% of all concrete procurement by volume (cy) or cost (\$), concrete mixes achieving:</p> <p>GWP limits >40% better than 2022 <u>regional NRMCA benchmarks</u></p>	<p>Specify, for 20% of all concrete procurement by volume (cy) or cost (\$), concrete mixes achieving:</p> <p>GWP limits >50% better than 2022 <u>regional NRMCA benchmarks</u></p> <p>OR</p> <p>Execute 2 Advance Market Commitments (AMCs) that will deliver ready-mix concrete achieving the above benchmarks</p>	<p>Join the <u>First Mover's Coalition (FMC) commitment</u> for near-zero concrete and cement</p> <p>OR</p> <p>Execute 2 Advance Market Commitments (AMCs) that will deliver ready-mix concrete achieving the FMC benchmarks</p>
<p>by December 2027</p>	<p>by December 2027</p>	<p>by December 2028</p>

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.

Buyer Pledges

Timeline & Sample Benchmarks

BUYERS PLEDGE SUMMARY



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