

ANTITRUST POLICY STATEMENT

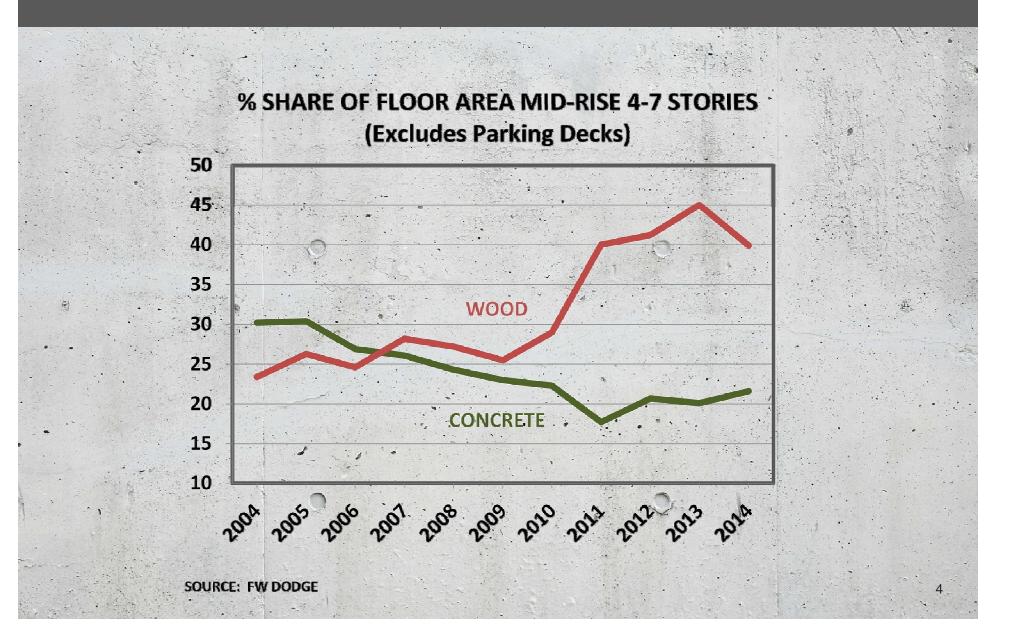
- The National Ready Mixed Concrete Association assigns the highest priority to full compliance with both the letter and the spirit of the antitrust laws. Agreements among competitors that unreasonably limit competition are unlawful under federal and state antitrust laws, and violators are subject to criminal fines and incarceration, civil fines and private treble-damage actions. Even the successful defense of antitrust litigation or an investigation can be very costly and disruptive. It is thus vital that all meetings and activities of the Association be conducted in a manner consistent with the Association's antitrust policy.
- Examples of illegal competitor agreements are those that attempt to fix or stabilize prices; to allocate territories or customers, to limit production or sales, or to limit product quality and service competition. Accordingly, it is inherently risky and potentially illegal for competitors to discuss under Association auspices, or elsewhere, the subjects of prices, pricing policies, other terms and conditions of sale, individual company costs (including planned employee compensation), the commercial suitability of individual suppliers or customers, or other factors that might adversely affect competition.
- It is important to bear in mind that those in attendance at Association meetings and activities may include competitors, as well as potential competitors. Any discussion of sensitive antitrust subjects with one's competitors should be avoided at all times a before, during, and after any Association meeting or other activity. This is particularly important because a future adversary may assert that such discussions were circumstantial evidence of an illegal agreement, when viewed in light of subsequent marketplace developments, even though there was, in fact, no agreement at all.
- If at any time during the course of a meeting or other activity, Association staff believes that a sensitive topic under the antitrust laws is being discussed, or is about to be discussed, they will so advise and halt further discussion for the protection of all participants. Member attendees at any meeting or activity should likewise not hesitate to voice any concerns or questions that they may have in this regard.

Adopted by the NRMCA Board of Directors

September 18, 2006.



THE SITUATION



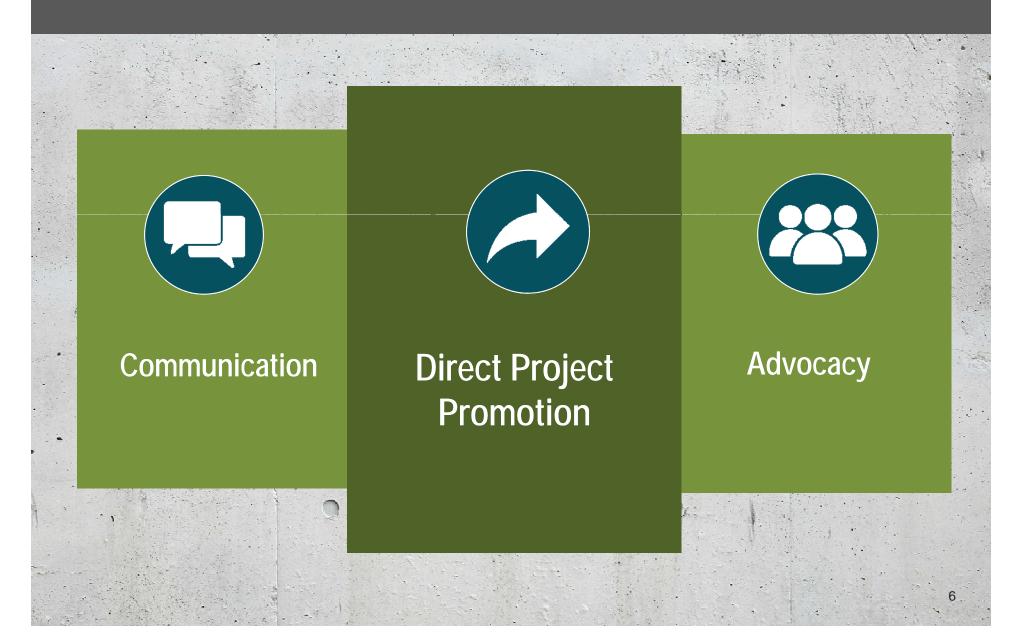


Increase share of concrete in buildings

22%

www.nrmca.org/promotion









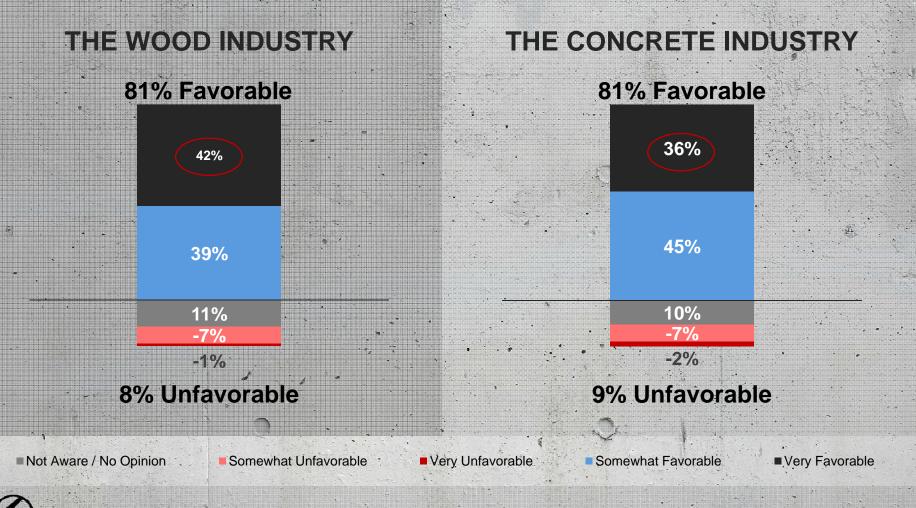


…the National Ready Mix Concrete Association recently launched a \$20 million, five-year effort to win back eroding mid-rise market share from the wood industry."



Mike Case, President & CEO, The Westervelt Company Chair, Softwood Lumber Board

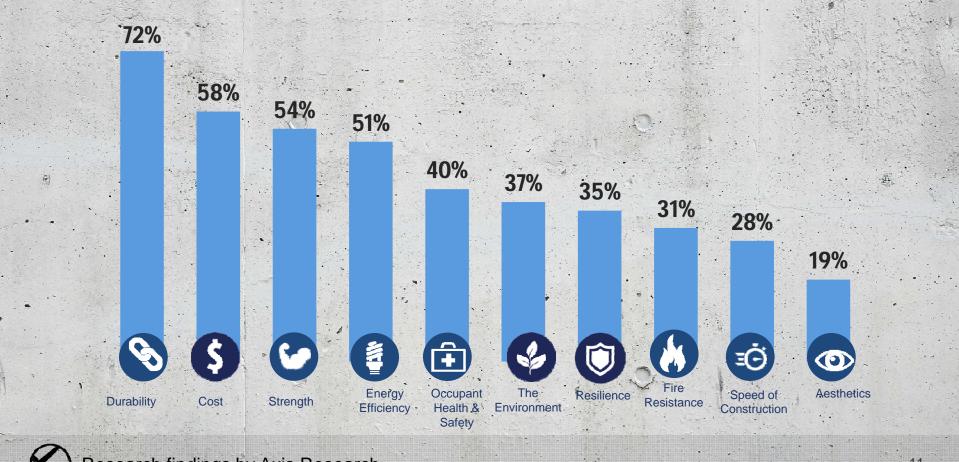
WHILE EQUAL, WOOD'S IMAGE HAS MORE INTENSITY



Research

Research findings by Axis Research.

MOST IMPORTANT CONSIDERATIONS FOR PROJECTS





Research findings by Axis Research.

WOOD VS CONCRETE

S

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The three biggest benefits of concrete vs wood.

	BOTH/NEITHER/BONT KNOW			
IS THE MOST FIRE RESISTANT		5 11	85	
IS THE STRONGEST		8 15	Π	
IS MORE DURABLE	10	20	70	
CAN DEST NESIST NATURAL DISASTERS	9	22	69	.
CONTROLS NOISE THE DEST	18	22	60	
IS THE MOST ENERGY EFFICIENT	25	30	45	IP FOR OUSES
NERVÇES ERVIRONNERTAL IMPACTS	27	33	85	
IS THE MOST INNOUNTINE	18	48	34	IP FOR ARMES
IS MORE COST EFFECTIVE	43	27	31	
IS THE MOST VERSETILE	40	32	28	
CAN BE FASHLY PROCUREN AND USED	28	45	27	IP FOR INSIDE
CAN INPROVE THE APPEARANCE OF A BUILDING	43	32	25	
IS THE MOST NECYLABLE	53	27	20	
Research findings by Axis Research.				12

KEY RESEARCH TAKEAWAYS

In comparison to wood, **concrete has a natural advantage** that we haven't taken advantage of.



We are partnering with Axis Research to conduct quantitative research.



Concrete wins on two of the three factors that determine building decisions: durability and strength.

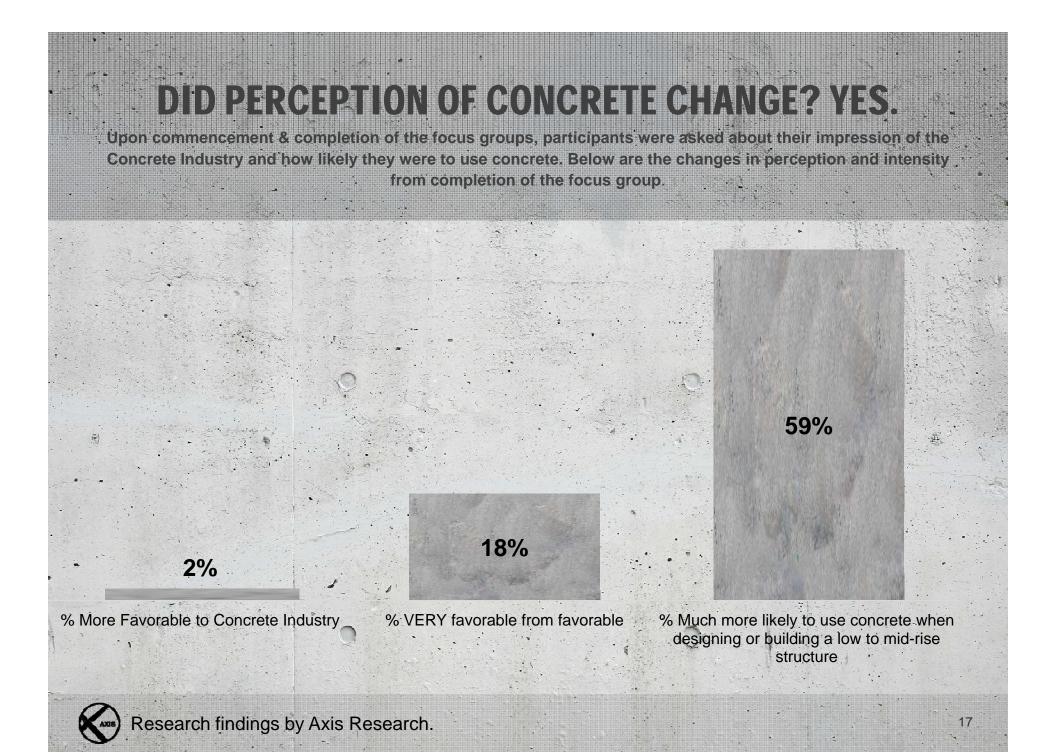
BRANDING Focus group results

The following coalition name, logo, and mission statement has been focus group tested to ensure that research drives the direction of the coalition.

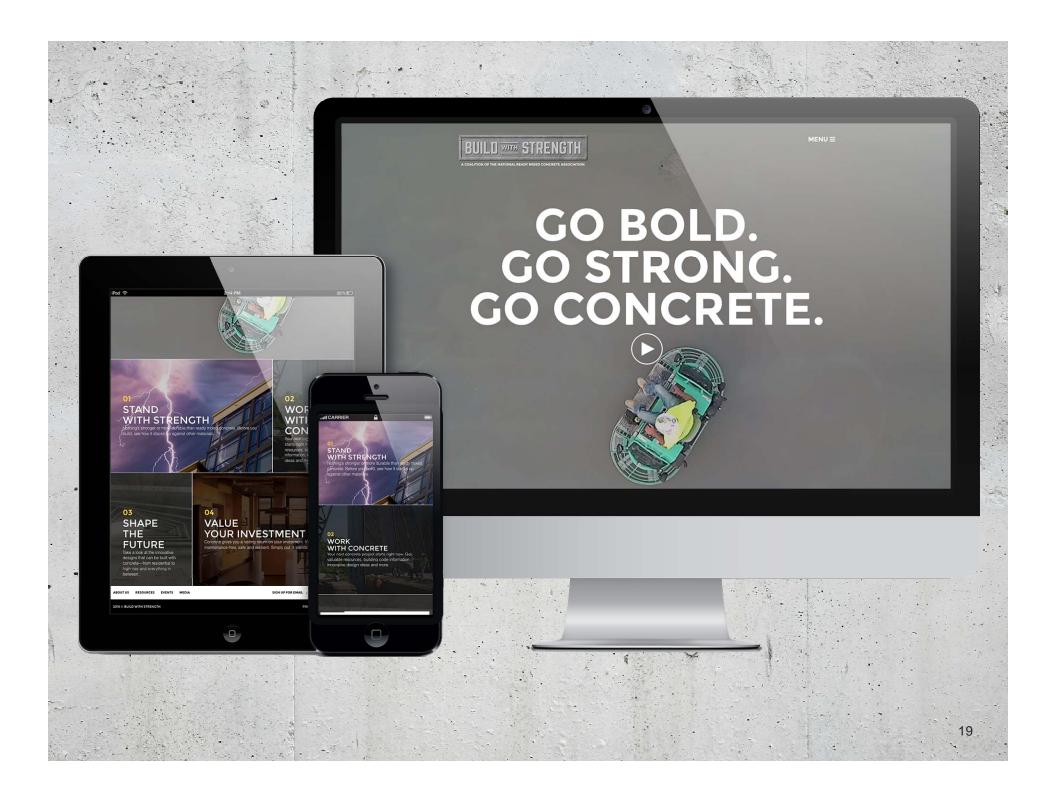
OUR MISSION:

Educate the building and design communities and policymakers on the benefits of ready mixed concrete, and encourage its use as the building material of choice for low- to mid-rise structures. No other material can replicate concrete's advantages in terms of strength, durability, safety, and ease of use.









CAMPAIGN CORE MESSAGES

Strength and durability are what people want in a residential building

Safety above all else

Flexibility of Use = Creative and Unique Living Spaces

Long-term ROI strengthens communities

TELLING OUR STORY AND BUILDING A COALITION

COMMUNICATIONS PROGRAM FOCUSED ON



Media relations



Stakeholder communications



Member support programs Targeted legislator and policy maker communications

STATE ROLLOUT

In-market events across the country that dig deeper into campaign messages, themes, and resources with target audiences, stakeholders and the media

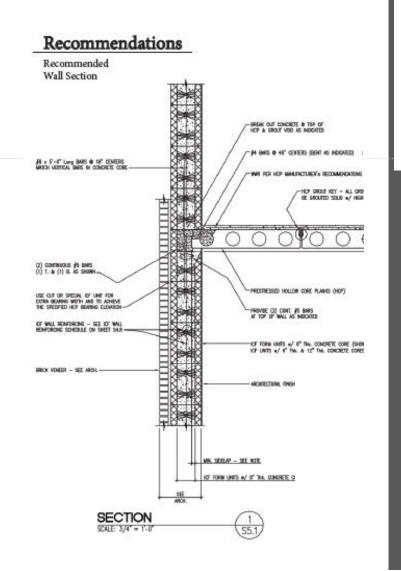


Each unique and tailored specifically to the needs and opportunities of each particular market:

Morning News Conference Afternoon Policy Roundtable Evening Social Function



CONCRETE DESIGN CENTER





Structural Design Cost Estimates Energy Analysis LEED Optimization Whole Building LCA



OFFENCE – MD, NJ

HB1472 Provides Smart, Durable, and Resilient Growth for Maryland

Concrete is a responsible choice for sustainable, durable development. It offers an economically sound path forward for building safe and resilient communities and infrastructure.

Building owners, builders, architects, and designers have come to recognize that durable concrete public buildings, private homes, and businesses resist damage from natural disasters and reduce the impact entire communities have on our planet.

Public safety professionals attest to how resilient construction products like concrete protect the people who live and work in public spaces, as well as the first responders charged with responding to fire and/or natural disaster.

Durability, safety, and resilience are important for all structures, but especially those that house at-risk populations such as schools, assisted living facilities, public housing and commercial multi-family residential homes.

A National Institute of Building Sciences Multi-Hazard Mitigation Council study reported that every dollar spent on reducing the potential impact of disasters saves society an average of \$4. With durable construction, the damage from major storms can be less severe, reducing the amount of energy and resources that the local community will have to spend on emergency response, reconstruction, repair, and recovery.

Concrete and other resilient building products provide a cost savings over the long term that is comparable to no other product, especially wood or wood products like CLT.

Studies by MIT have shown that homes with concrete walls can use 8 to 15 percent less energy than other homes. With heating, cooling, and general operations of buildings and homes in the United States accounting for approximately 70 percent of national energy consumption each year and more than 40 percent of CO2 emissions generated in the U.S., concrete provides a cost savings that goes well beyond initial project cost.

The amount of ready mixed concrete made by producers in Maryland annually is 3.3 million cubic yards. This is enough concrete to either pave a two lane highway 12 inches thick from Baltimore to Savannah, Georgia, build 4 Fort McHenry Tunnels or build 7 Pentagons per year.

The direct annual cement and concrete related contribution to Maryland State Revenues in 2014 was \$1.03 billion. This is enough to pay for tuition, room and meals for nearly 60,000 University of Maryland students. It is also more than the combined player's salaries of the Baltimore Ravens and the Baltimore Orioles for the past 5 years.

laryland	County	Developments	Units	\$ Value (x1000)	
evelopments	Anne Arundel	3	426	69,725	
ffected by	Baltimore	8	984	136,315	
B 1472	Frederick	3	615	65,990	
2014-15)	Harford	2	528	59,120	
	Howard	3	518	55,657	
	Montgomery	9	1,467	184,141	
	Prince Georges	4	1,112	132,100	
	St. Marys	1	158	16,340	
	Wicomico	1	90	8,400	
	Total	34	5,898	727,788	

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DEFENCE - WA

The truth behind HB2857 and wood construction.

CLT as a Job Creator is a Myth

- In 2013, Oregon Governor John Kitzhaber issued Executive Order No. 12-16 calling for an analysis of the
 economic impact of jobs created by the utilization of wood products (not just CLT) in the construction of all
 available state buildings in the 2014-2015 biennium.
- Final Report (released on January 24, 2014): A whopping 38.1 jobs; \$2 million in labor income; and an increase in
 personal income tax revenues to the state of \$64,000.1

CLT is a Fire Risk

 CLT does not have a long enough history to provide firefighters with information on their behavior during situations like fires. CLT fire resistance is based upon the insulating properties of the char layer that develops during the exposure to fire. However, according to "Fire Safety Challenges of Tall Wood Buildings," R. Gerard, et al, Arup North America, Ltd.:





"This has the potential to increase the fire temperature and burning rate within the compartment, and could impact the structural fire resistance at later stages in the fire duration."

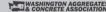
"In a real fire situation, the load-bearing elements in CLT are expected to 'load-share,' or 'redistribute,' in a method that is not easily predicted in simple fire testing."

"Previous CLT fire testing has resulted in delamination and char fall-off when exposed to fire conditions."

 See news of the CLT Building in the U.K. that went up in flames. The title tells it all: "Not so carbon neutral now! New eco-friendly £15million university laboratory built out of wood goes up in flames"

CLT is a Green Myth

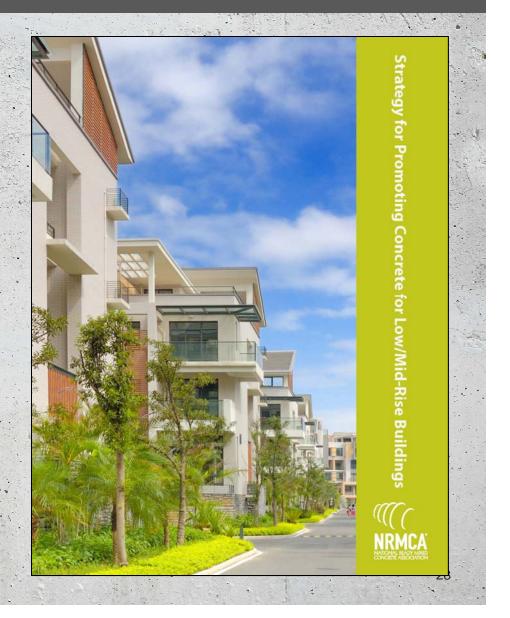
- "A big advantage of the product is that it is more sustainable than traditional building materials, such as concrete
 and steel, because of wood's capacity to store carbon."
- The most significant impacts of industrial forestry—harm to forest ecosystems, biodiversity, and soil and water
 quality—are not addressed when advocates of CLT are promoting its green values. The most important impacts
 underlying forest products—namely, those arising from logging—are simply not considered when focusing on
 carbon sequestration. This not only hides major impacts but also paints typical logging practices as having an
 economically rosy environmental profile for the state.





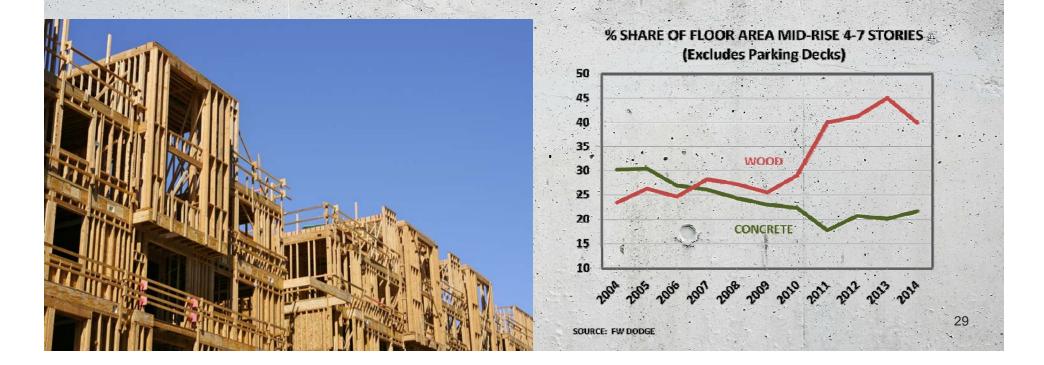
1. PASS BOARD RESOLUTION

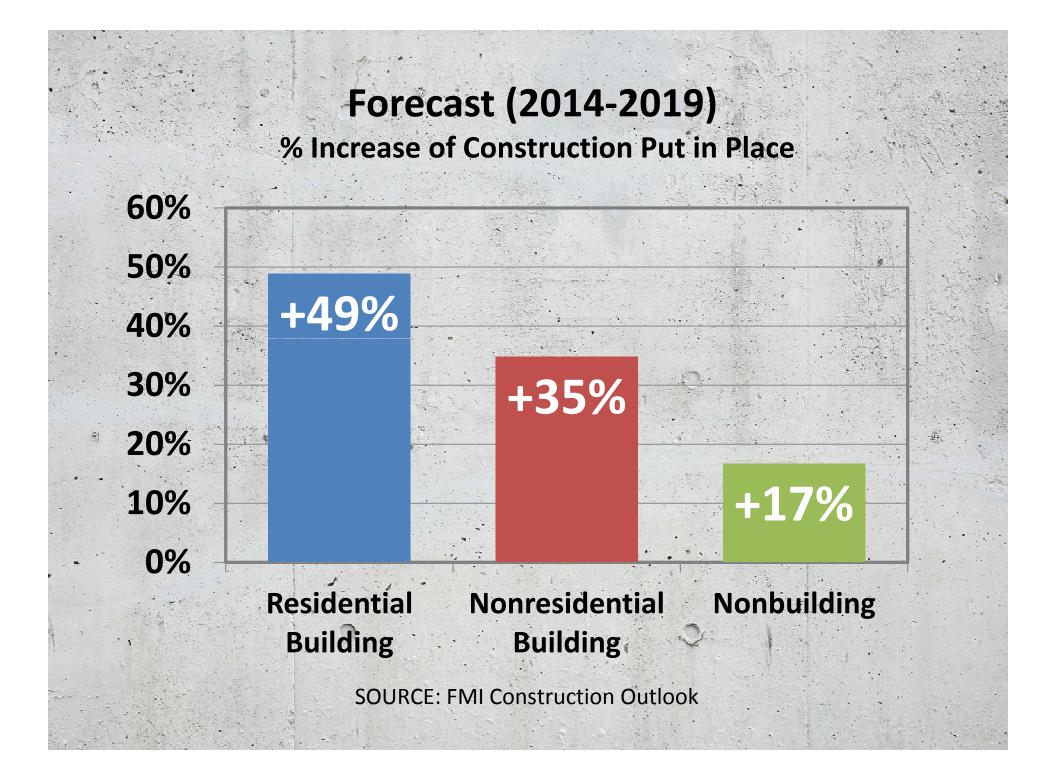
- State affiliates: support building promotion
- Building promotion
 committee
- Identify championsCommit resources

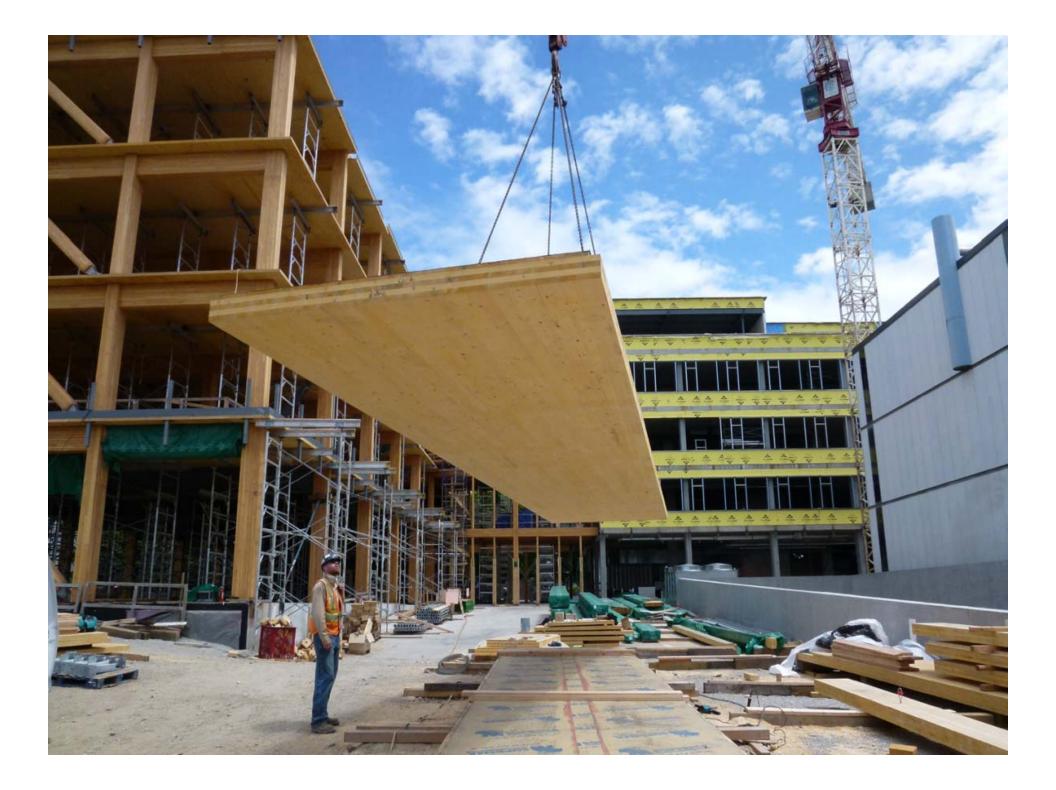


2. UNDERSTAND CHANGE

- Developers using more wood for buildings
- Growth in building construction.
- Wood industry developing new products







3. BE ENTREPENEURIAL

- Promote concrete as material of choice
- Use concrete design center



4. USE INDUSTRY MESSAGING



- Strength and durability are what people want
- Safety above all else
- Flexibility of Use = Creative and Unique Spaces
- Long-term ROI strengthens communities

5. USE INDUSTRY RESOURCES

- PeoplePromotional
- TechnicalEducation



www.BuildWithStrength.com



Lionel Lemay Sr VP, Structures and **Sustainability**



John Loyer Sr Director, State and Local Government Affairs

THE TEAM



Gregg Lewis Sr Director. Building Innovations



Others



Tien Peng VP, Sustainability **Codes and Standards**



James Bogdan Sr Director, Sustainability Initiatives



Michael Wymant Sr Director **Building Innovations**

DDC Public Affairs Government Affairs Pavement Engineering



Promotional Resources

READY MIXED CONCRETE. READY FOR ANYTHING.

Strength. It's a term that gets used a lot. And while it's one of the most essential components of any building, it's more than the strength itself that's important. It's the benefits of strength that make a difference in what you build.

5 Key Elements to Building with Strength:

Library of fact sheets Library of case studies





Owner: Central City Concern Architect: SERA Archite Urban Planning: Studio Jeffreys

Height:



BUILT TO LAST. BUILT WITH CONCRETE.

To keep their new structure standing tail into the next century, the architects and builders of the Richard L. Harris Building in Portland, Oregon, chose concrete. The 12-story high rise provides transitional housing for low-income and special-needs individuals and incorporates a highly efficient concrete frame with long span, post-tensioned concrete slabs and a resulting minimal column layout.

A Coalition of the National Ready Mixed Concrete Ass

column layout, which creates a warm and inviting feel

Concrete's superior strength allows for long spans, thus eliminating the need for large columns and bearing walls.

02. External walls built for strength and durability. External walls incorporate high-perfor mance "rain screen" construction with in-cavity insulation supported by the concrete floor system.

With the Northwest's rainy weather, it's important to keep rain out. But even if water does get in, the concrete structure is unaffected.

03. Highly efficient concrete frame. Built in one of the most active earthquake zones in the world, the ductile concrete frame will withstand seismic loading

AWARDS

Donald Terner Prize for Innovation and Leadership in Afford



CONCRETE DESIGN CENTER

MENU =

DESIGN CENTER

Free concrete project design and technical assistance is available through the National Ready Mixed Concrete Association's Design Center. The Design Center can assist you in choosing the right concrete solution for a wide variety of projects, from multi-family residential/mixed use to industrial and health care facilities. NRMCA's expert team of engineers and architects are available to help you select the most appropriate concrete system, including:

Concrete frame and post-tension flat plate systems
Voided slab systems

WITH STRENGTH

- Insulating concrete forming (ICF) systems
- Tilt-up concrete wall systems

FIRST NAME

LAST NAME

COMPANY

EMAIL

Structural Costing LEED

EDUCATION

MENU =

PROFESSIONAL ADVANCEMENT

The following educational opportunities are available to industry professionals through NRMCA.

Concrete Buildings Education Programs

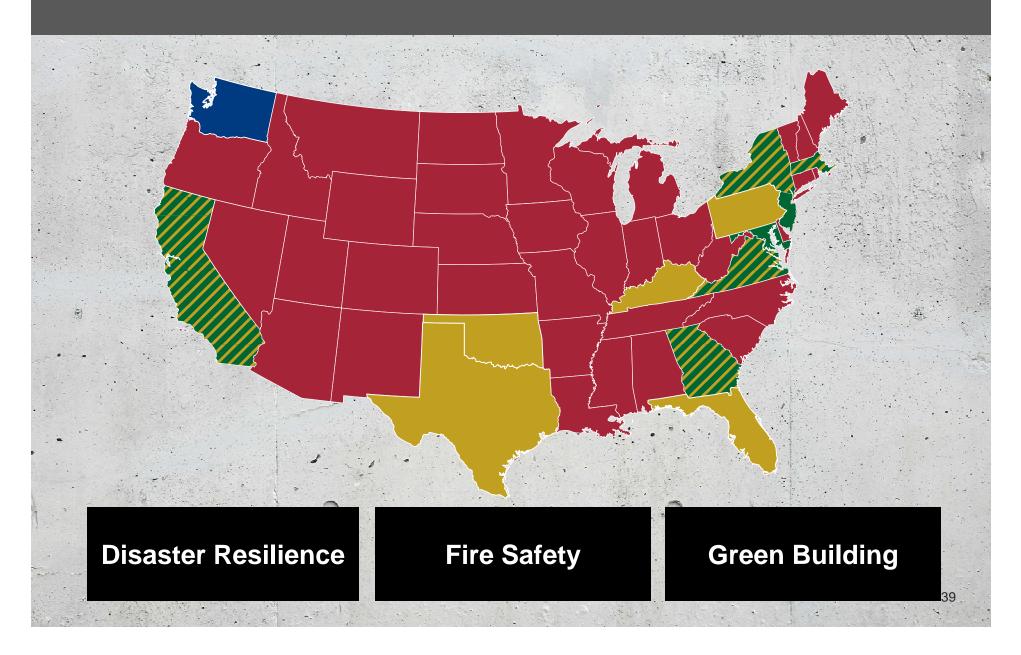
NRMCA offers several courses on the design and construction of high performance concrete buildings. Courses can be tailored to different formats—from all-day seminars, half-day seminars, lunch-and-earns to webinars.

Disaster Resilience

Building Green

Economical Design

6. ASSIST CHANGING LOCAL CODES



7. SEE OPPORTUNITY

Introduce us to developers
Find champions







MORE "SEVEN THINGS" WEBINARS



www.nrmca.org/promotion

