

ENR THE TOP 100

GREEN DESIGN FIRMS AND CONTRACTORS

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UPLIFTING New terminal core that is part of the \$2-billion Portland International Airport expansion will feature an 18-million-lb, 380,000-sq-ft mass timber roof. More than 2.6 million board-ft of glulam beams and heavy timber structure, and over 400,000 sq ft of mass plywood panels are being sourced from local Oregon and Washington state forests. ZGF is the project architect.

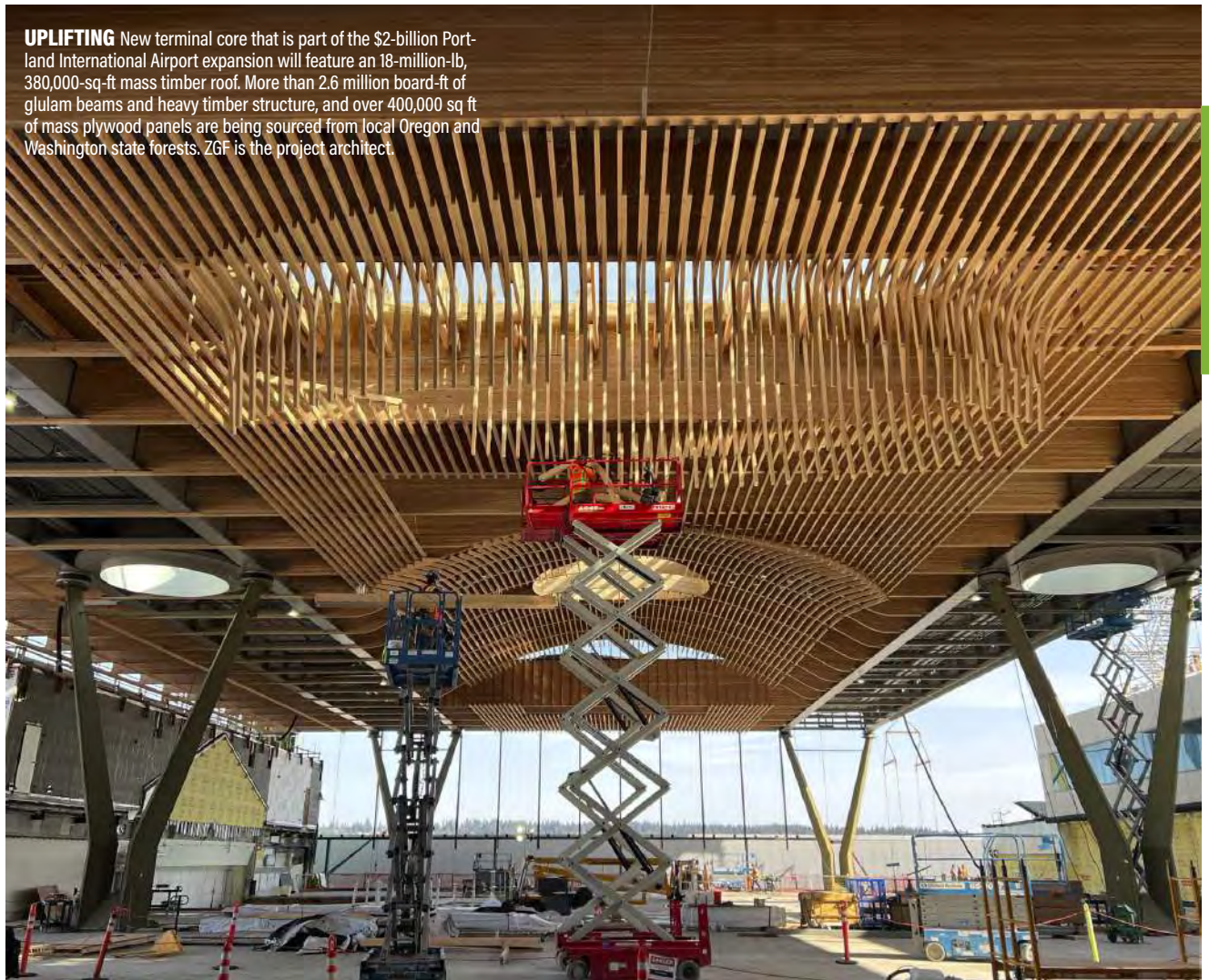


IMAGE COURTESY PORT OF PORTLAND/ZGF

NUMBER 17

A Green Market Growth Spurt

As federal incentives propel more projects, could growing industry collaboration weed out deep-rooted embodied carbon issues? By Emell Adolphus and Jonathan Keller



Green building revenue jumped in 2022 with more projects seeking third-party sustainability certifications. Federal spending and new carbon-cutting standards helped advance climate-friendly design, but Top 100 Green Design and Contracting firms say greater isn't always greener when it comes to environmental impact.

Market indicators are “completely misaligned with the climate crisis,” says Jim Nicolow, director of sustainability at Lord Aeck Sargent, ranked No. 80 on the green design list. “Subsidized fossil fuel energy indicates that renewable energy is a premium option, as if business as usual doesn't pose an existential risk, and climate change is somehow an external cost.” Because “unhealthy building products are often the least expensive option,” their associated health risks are an “external cost,” he says. “Adam Smith's invisible hand of the market does not work in the best interest of the public when costs are externalized.”

Design revenue in 2022 from U.S. projects registered as actively seeking third-party ratings group certification under sustainability standards increased

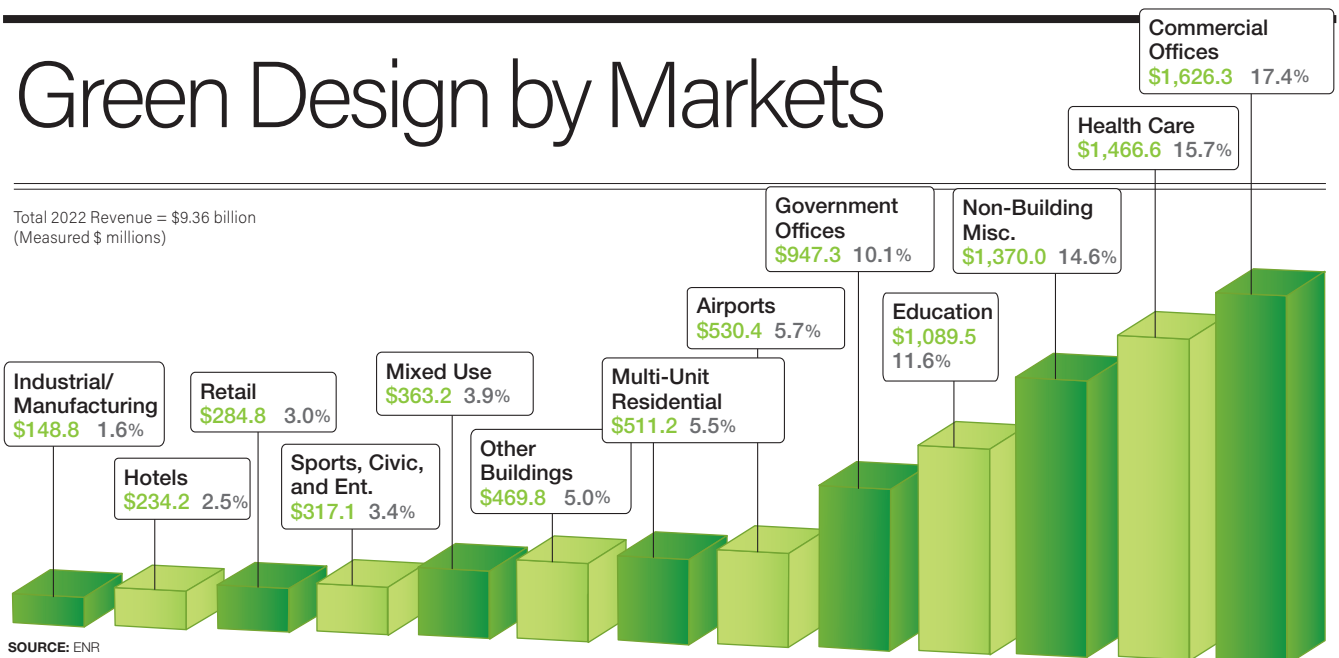
22.3%. International sustainable design revenue rose 31.9%, this year's list shows, to \$1.82 billion.

Revenue gains were not limited to the largest firms, with ENR's Top 10 designers' share of the total market falling to 53.7% this year from 55.6% on last year's list. Median green design revenue is up 30.9% to \$27.89 million, with 62.7% of firms on the 2023 list also reporting a previous increase.

Top 100 green contracting revenue tells a similar story. Overall, revenue rose 15.2%, with international contracting revenue up 17.5% to \$3.5 billion. Median revenue increased 27.4% to \$329.2 million for green contractors. About 67% of companies that reported revenue to ENR this year and last year noted a revenue increase on their 2023 survey.

Green Design by Markets

Total 2022 Revenue = \$9.36 billion
(Measured \$ millions)



SOURCE: ENR

Top 5 Green Design Firms by Sector

COMMERCIAL OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	GENSLER	604.80
2	TETRA TECH	119.00
3	AECOM	110.00
4	ARUP	83.26
5	NBBJ	67.30

EDUCATIONAL FACILITIES		
RANK	FIRM	\$ MIL. REVENUE
1	DLR GROUP	105.90
2	AECOM	77.00
3	HOK	66.35
4	CANNONDESIGN	64.00
5	HDR	52.68

GOVERNMENT OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	TETRA TECH	212.00
2	PAGE SOUTHERLAND PAGE INC.	89.00
3	AECOM	80.00
4	BURNS & MCDONNELL	63.04
5	HOK	55.04

HEALTH CARE		
RANK	FIRM	\$ MIL. REVENUE
1	HKS	116.86
2	CANNONDESIGN	114.00
3	HOK	108.07
4	HDR	100.68
5	SMITHGROUP	92.23

MANUFACTURING & INDUSTRIAL		
RANK	FIRM	\$ MIL. REVENUE
1	PAGE SOUTHERLAND PAGE INC.	51.50
2	IPS-INTEGRATED PROJECT SERVICES LLC	39.28
3	AECOM	20.00
4	WSP USA	9.00
5	STANTEC INC.	7.45

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	\$ MIL. REVENUE
1	KIMLEY-HORN	219.00
2	AECOM	51.00
3	GENSLER	31.27
4	THORNTON TOMASETTI	21.87
5	LANGAN	19.65

RETAIL		
RANK	FIRM	\$ MIL. REVENUE
1	HOK	113.82
2	GENSLER	66.36
3	TETRA TECH	45.00
4	LITTLE DIVERSIFIED ARCHITECTURAL	19.95
5	AECOM	10.00

SPORTS, ENTERTAINMENT & CIVIC		
RANK	FIRM	\$ MIL. REVENUE
1	GENSLER	67.92
2	AECOM	37.00
3	HOK	36.43
4	HGA	22.83
5	HNTB COS.	20.03

All market sectors had a noticeable increase in 2022 green design revenue, except for industrial-manufacturing, which fell slightly. Longer term, the commercial office sector has seen a steady decrease in its design share since ENR started tracking its current set of 13 markets in 2020—falling to 17.4% in 2022 from 21.8% that year.

In contracting, green industrial-manufacturing and telecom markets saw the most revenue growth, up 50.6% and 43%, respectively, last year. Both markets have seen explosive growth over the past five years. Revenue for industrial-manufacturing has increased 457%, and is up 377% for telecom since 2018. In that time-frame, telecom market share has jumped from the third smallest (3.3%) to the second largest (11.4%).

Deep-rooted Challenges

Behind their growing percentages, Top 100 Green Design and Contracting firms say there is also a growing concern related to the construction industry's embodied carbon, inflated project costs and sustainably navigating new delays in a complex supply chain.

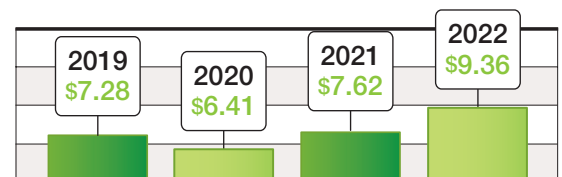
The green building market is heating up to a point where CO₂ created in production and transportation of materials—in addition to building construction, maintenance and eventual demolition—exceeds the

emissions associated with building operation, explains A. Brian Lomel, director of TLC Engineering's PEAK Institute. The Orlando, Fla.-based firm is ranked No. 39 this year, from No. 70 previously.

"In other words, most of the carbon emissions associated with buildings are already in the atmosphere at day one, before the building even begins to operate," he points out. Referencing new changes to U.S. General Services Administration standards for federal buildings, Lomel says ambitious efforts to cap embodied carbon in concrete, steel, glass and asphalt use will help generate "big change" in how the architecture-engineering-construction industry operates.

"Manufacturers will have to start tracking the data

GREEN DESIGN FIRM REVENUE \$ BIL.



SOURCE: ENR DATA

Aquariums | By Jonathan Keller

Seattle Aquarium's New Ocean Pavilion Targets Carbon Cut



LMN Architects (**No. 37**) is providing planning, architecture and design services on the Seattle Aquarium's new Ocean Pavilion. The building, with 50,000 sq ft of exhibition space, is designed to be all-electric and targets a 95% operational carbon reduction compared to similarly-sized aquariums. It will also filter and recycle 96% of its seawater. The project team is seeking both Living Building Challenge Petal Certification for energy, water, beauty, equity and place, and LEED Gold certification—the latter a requirement for all city-owned buildings.

through [environmental product declarations], and contractors will have to document CO₂ emissions created in transportation of the materials to the jobsite, their onsite activity and demolition,” says Lomel. As teams coordinate design to yield lower emissions, he anticipates more building owners will need to report potential carbon output data to environmental tracking groups or investors.

“Although some A&E firms are part of the movement to lower embodied carbon in construction, many firms have yet to acquire the necessary knowledge to employ these skills,” he says.

Tracking Embodied Carbon

Carbon emissions tied to raw material extraction often go unaccounted in lifecycle analyses of buildings due to a lack of data, explains Myrrh Caplan, vice president of sustainability at Skanska USA Building.

“Complicating the process is the high cost of conducting far-reaching valuations and audits,” she says.

With this challenge in mind, Skanska and the Carbon Leadership Forum developed in 2019 an Embodied Carbon in Construction Calculator to track it in building materials. The tool was made open-source, Caplan says, to “democratize data and provide transparency as companies and governments aim to achieve their carbon reduction goals.”

Hord Coplan Macht sustainability manager Ilijana Soldan believes embodied carbon is construction’s “biggest challenge in the near term” due to the level of interdisciplinary collaboration required to address it.

“Not only does it require additional research and analyses during design phases, she notes, but also the need to have “an effective conversation to reduce embodied carbon that can’t be had without directly challenging decades-long, well-established construction norms.” Soldan adds: “Understanding how to lower embodied carbon impact will require extremely integrated teams moving forward, with everyone at the table



“There are real solutions available today that are not yet integrated into standard practice across disciplines and trades.”

Paula Zimin, Arup Climate, Sustainability Leader

willing to embrace innovation and change.” Adding to the challenge is a lack of industry-wide understanding, training and funding to build awareness, says Paula Zimin, senior climate and sustainability leader at Arup.

“There are real solutions available today that are not yet integrated into standard practice across disciplines and trades, which could help make decarbonization of new construction and major renovations more effective,” she says. Cutting the industry’s carbon footprint beyond new construction will require “all parts of the value chain to work together for standardization of certifications, evaluation of procurement paths and compliance regulations,” Zimin adds.

Absent close collaboration, it can be difficult for all project partners to fully understand sustainability goals and true costs, says Emily Tilgner, McCownGordon vice president of building performance solutions. The Kansas City-based contracting firm is ranked No. 83.

“We sometimes see design teams underestimate the initial cost and overestimate the value or anticipated result,” she explains. “On the other hand, construction managers often overestimate initial costs and underestimate the true value.”

At LMN Architects, principal Kjell Anderson says cost inflation over the last few years has challenged “nearly all” firm projects to meet minimum program budgetary requirements. “Sustainability strategies have demonstrated paybacks in terms of health and utility bills” when the building is operational, he says. “But difficult conversations around sustainability goals and immediate costs sometimes result in lower long-term aspirations.”

To maintain project sustainability goals, the strategy of ZGF Architects has been to holistically calculate project budgets “instead of relying on simple paybacks that don’t fully account for the cost of pollution, and often result in sustainability ideas being removed from projects,” says principal Arathi Gowda. “Of course, this approach to designing sustainably is not achieved in a vacuum.”

If the AEC industry is to keep pace with project

goals, pursue third-party certifications and reduce building environmental impacts, the adoption of sustainable building practices must be a jog and not a sprint, explains Chris Hellstern, Living Building Challenge Services director at Miller Hull Partnership. “We sometimes forget that we must be working on many different solutions simultaneously: water, emissions, health, equity and more,” he says. “Often, these areas are not in conflict with each other but instead have many synergies.”

Boosting Performance

Dattner Architects uses a series of metrics called “passive house” to justify higher costs of better performing buildings. “This is a series of measures based on building science that dramatically reduces a building’s energy usage or operational carbon, but there are modest premiums both on the hard cost and soft cost side of a project’s development budget,” the firm says. “For public agency clients that are accustomed to helping establish forward-looking policy, this is less of an issue. For private clients that are more focused on the bottom line and don’t see the marketability of better performing and healthier buildings, it’s a more difficult case to make.”

Sustainability and occupant well-being are no longer “nice-to-haves” for NBBJ clients, according to sustainability leader Margaret Montgomery. LEED and other sustainability certifications have become an integral part of long-term principles and values for them, she adds.

But amid inflation and supply chain disruptions, WDG Architecture’s Esther Christian says more owners are looking to provide Fitwel or WELL certifications because they are at times less costly to achieve than LEED or Green Globes.

“Although these rating systems are positive, they do not aggressively address energy use of buildings,” she says. In some cases, balancing cost and operability can mean complementing complex solutions such as thermal energy harvesting and carbon-neutral buildings with more cost-effective materials, such as composite



“We sometimes forget that we must be working on many different solutions simultaneously: water, emissions, health, equity and more.”

Chris Hellstern, Living Bldg. Director, Miller Hull



“Resilient systems and communities can withstand and thrive in a changing environment, which is more essential now than ever before.”

Margaret Montgomery, Principal, NBBJ

instead of aluminum windows, the integration of green space and access to daylight.

For Trees Atlanta’s new headquarters, Lord Aeck Sargent began planning for a low-embodied-carbon mass timber structure, but high costs and materials availability challenges drove a change to a lower cost but higher-embodied-carbon steel structure, explains

Joshua Gassman, the firm’s sustainable design director.

When COVID-19 disrupted the structural steel supply chain, the design team pivoted to a Type V wood framing. “Conventional wood framing ultimately best met the project’s cost and schedule limitations as well as embodied carbon goals,” he explains.

Air testing prior to occupancy has also become more common, says Isaiah Walston, sustainability director at HITT Contracting. “Additional specifications and review of materials’ ingredient lists to confirm potential health impacts have also become more prevalent,” he says. Sustainable rating systems are meant to push the market, but major revisions can also dramatically slow down adoption, he explains.

“It’s a fine line of pushing too far and not gaining adoption versus waiting too long to revise standards, which stagnate the market,” says Walston. “Working in an ever-changing industry that is always moving the goalpost can be challenging, but it’s also rewarding.”

Mixed-use | By Jonathan Keller

Mithun-Designed NC Innovation Campus Targets Listing

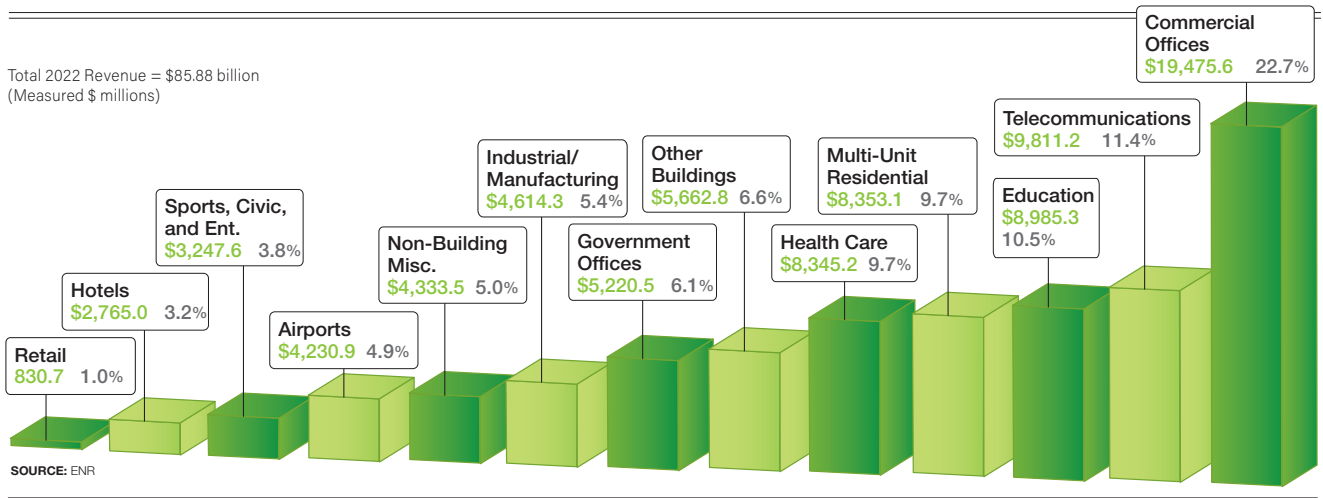


Non-profit group the Industrial Commons is redeveloping a 27-acre brownfield site in Morganton, N.C., northwest of Charlotte, into the Innovation Campus, a mixed-use space that features worker-owned, small-scale manufacturing and skilled training facilities. Mithun (**No. 62**) is lead architect on the project, which will target full Living Certification under the Living Building Challenge for net-positive outcomes, the firm says. Site cleanup work is due to begin this winter, with groundbreaking scheduled for early 2024.

IMAGE COURTESY MITHUN

Green Contracting by Market

Total 2022 Revenue = \$85.88 billion
(Measured \$ millions)



Natural Synergies

Designing buildings as living systems and for resilience can create natural synergies with features that work with environmental factors instead of against them, NBBJ's Montgomery adds. "Resilient systems and communities can withstand and thrive in a changing environment, which is more essential now than ever before," she says. "This requires thinking across scales and perspectives at how buildings, streets, landscapes and bodies of water can support and enhance naturally resilient systems."

Mark Adams, SmithGroup vice president and national workplace director, says he has also noticed a shift—with more owners emphasizing spaces that promote physical health, such as ergonomic furniture, adjustable sit-stand desks, on-site gyms or fitness zones. The Detroit design firm ranks No. 18 this year.

"This reflects a growing post-COVID awareness of the significant impact the work environment has on employee well-being, productivity, and job satisfaction," he says.

Webcor sustainability director Sarah Rege says recent wildfires in California have reignited a focus on indoor air quality in addition to WELL and Fitwel certifications.

To address changing regional building needs, LEED requirements and similar building standards "must continuously evolve to stay relevant and effective," says STO Building Group's Jennifer Taranto, vice president of sustainability.

"This evolution needs more focus on embodied carbon, circular design principles and post-occupancy performance monitoring," she says. "Integrating

On the Web

For expanded content on the ENR Top Lists, see [ENR.com/toplists](https://enr.com/toplists).

emerging technologies, like advanced sensors for real-time energy optimization, could help make sustainable building standards more effective, meet municipal energy and carbon disclosure requirements and keep buildings performing as efficiently as possible."

For the past several years, Dewberry says it has been using "3D modeling and research-based analysis tools to guide design decisions."

In addition, "we are hearing clients request nature-based design solutions, as research shows tremendous positive effects on human physical health, mental wellness, and resilience," says Jenni Betancourt, sustainability director for the No. 73-ranked design and engineering firm. "Our clients affirm that the biodiversity and biophilic aspects of interior and exterior designs they occupy enrich the daily users and visitors of the spaces."

At Shawmut Design and Construction, clients are increasingly requiring that projects be designed for Red List compliance, says sustainability manager Elizabeth Murphy—"or establish aspirational goals for



"Integrating emerging technologies could help make sustainable building standards more effective."

Jennifer Taranto, vice president of sustainability, STO Building Group

Top 5 Green Contractors by Sector

COMMERCIAL OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	THE TURNER CORP.	1,959.60
2	STO BUILDING GROUP	1,856.30
3	AECOM	1,661.08
4	CLAYCO	1,408.00
5	DPR CONSTRUCTION	1,007.04

EDUCATIONAL FACILITIES		
RANK	FIRM	\$ MIL. REVENUE
1	GILBANE BUILDING CO.	878.58
2	CONSIGLI BUILDING GROUP INC.	652.40
3	THE WHITING-TURNER CONTRACTING CO.	648.44
4	THE TURNER CORP.	549.30
5	ADOLFSON & PETERSON CONSTRUCTION	490.50

GOVERNMENT OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	HENSEL PHELPS	975.87
2	BL HARBERT INTERNATIONAL	775.77
3	CLARK GROUP	494.60
4	SWINERTON	354.20
5	PCL CONSTRUCTION ENTERPRISES	343.99

HEALTH CARE		
RANK	FIRM	\$ MIL. REVENUE
1	THE TURNER CORP.	858.47
2	THE WHITING-TURNER CONTRACTING CO.	659.21
3	CLARK GROUP	648.35
4	SWINERTON	586.80
5	DPR CONSTRUCTION	577.50

MANUFACTURING & INDUSTRIAL		
RANK	FIRM	\$ MIL. REVENUE
1	DPR CONSTRUCTION	1,058.24
2	HASKELL	805.23
3	CLAYCO	532.00
4	IPS-INTEGRATED PROJECT SERVICES LLC	366.79
5	ADOLFSON & PETERSON CONSTRUCTION	308.56

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	\$ MIL. REVENUE
1	CLARK GROUP	1,338.11
2	SUFFOLK CONSTRUCTION CO. INC.	774.20
3	SWINERTON	624.40
4	LENLEASE	444.80
5	AECOM	416.41

RETAIL		
RANK	FIRM	\$ MIL. REVENUE
1	BRASFIELD & GORRIE LLC	212.48
2	HOLDER CONSTRUCTION	209.00
3	STO BUILDING GROUP	196.60
4	SWINERTON	85.30
5	AUSTIN INDUSTRIES	66.57

SPORTS, ENTERTAINMENT & CIVIC		
RANK	FIRM	\$ MIL. REVENUE
1	AECOM	939.52
2	CLARK GROUP	445.04
3	THE TURNER CORP.	414.12
4	MORTENSON	236.37
5	GILBANE BUILDING CO.	138.50

incorporating Red List compliant materials to the greatest extent possible.” Certified through the International Living Future Institute, Murphy explains that the contains more than 20 classes of chemicals with more than 800 ingredients that are harmful to human health and the environment. The documentation and level of effort required for certification by the Living Building Challenge as part of the Materials Petal can be challenging for project teams to achieve without proper planning and proactive coordination, she says.

“There are also limitations where certain manufacturers are not yet prepared to meet the ingredient restrictions or are not willing to share proprietary information,” she adds. Regardless, owners are placing a

greater importance on human health throughout the entire material life cycle, which is a “positive direction for the industry,” Murphy says.

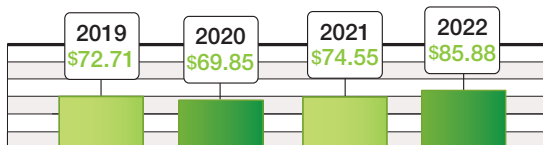
Cultivating Green Skills

When it comes to overall occupancy health and building performance, Susan Heinking, Pepper Construction senior vice president of high performance and sustainable construction, emphasizes the need for data models based on future weather predictions and not previous patterns.

“This is one of our biggest challenges, but it can actually be an opportunity—risk mitigation through designing and building based on future climate trends and changes rather than past climate patterns,” she says. “By studying the changes we are experiencing today, we can help better predict future weather patterns, allowing us to update building codes that are better suited for future climate models and construction of more resilient structures.” This will allow firms to develop employee skills needed to address such challenges, she explains.

“It’s not a perfect science and predicted data will never be 100% reliable, but by collaborating and having open, informed conversations, we can better prepare

GREEN CONTRACTOR REVENUE \$ BILL.



SOURCE: ENR DATA

for what buildings in different regions will experience in the years to come and need to sustain high performance standards," she adds.

As performance, technology, comfort, wellness and other sustainability standards and codes increase the complexity of buildings, the trends underscore the construction sector need for skilled workers, says Kate Bubriski, director of sustainability and building performance at Arrowstreet. "This requires workforce development both for those already in the industry and those who are studying to join the field," she explains.

At rand*, the company undertakes a variety of measures to educate employees in sustainability, including reimbursement on LEED accreditation costs, according to sustainability coordinator Tricia Matyas.

She explains that company teams take a "hands-on approach" when it comes to sustainability projects. "Using educational meetings and check-ins, our employees are guided through the process of how to support sustainable projects through procurement and internal tracking of green materials, waste diversion best practices and operating healthy construction sites."

PCL has also been active to ensure employees have a design and construction-oriented green thumb. A network of sustainable construction advisors serves as experts in their local offices, explains Andrew Ahrendt, the firm's director of integrated construction services. "Part of their role includes supporting sustainable projects no matter the sustainability goal—whether it's waste management, low-volatile organic compounds materials, low-carbon or all of the above," he says.

Healthcare | By Jonathan Keller

NBBJ Targets Inclusive Healing



NBBJ (No. 22) provided planning and design services on the Montage Health Ohana Center in Monterey, Calif. The children's mental health facility's design incorporates research from molecular biologist Dr. John Medina, and features extensive use of cross-laminated timber.

"Having a core understanding of sustainable practices, materials and technology will be important to our industry overall moving forward," says Richard McDonald, Sundt Construction sustainability director.

In their response to growing sustainability demands, firms must prioritize what is the best climate-friendly design—not just add complexity, says Consigli Construction's Steven Burke.

"There can be a tendency when making revisions to green building programs to layer in increasing levels of complexity that is justified ostensibly as increased stringency," he says. "The goal should always be to increase performance levels and decrease complexity. We should be using language and creating goals that are accessible to anyone—not just sustainability professionals—whenever possible." ■

By Emell Adolphus and Jonathan Keller

How To Read the Tables

Companies are ranked according to revenue for construction or design services generated in 2022 from projects that have been registered with or certified by a third-party organization that sets standards for measuring a building's or facility's environmental impact, energy efficiency or carbon footprint. Such groups include the U.S. Green Building Council (USGBC) and the Green Building Initiative. The volume of revenue is measured in (\$) millions. Some markets may not add up to 100% due to rounding. Revenue from construction

management on a fee-only basis is not included. Firms not ranked last year are designated as**.

Accredited Staff This is the number of people employed by the contractors who have been certified as knowledgeable in green construction by third-party accreditation organizations, including groups such as USGBC.

% of Total Revenue This percentage shows a firm's total revenue derived from green revenue, based on its responses to the Top

100/400/500 survey and Top Green Buildings survey. NA = Did not submit a Top 100/400/500 survey.

Education comprises public and private educational facilities, including both K-12 and higher education.

Entertainment/Civic includes sports facilities, entertainment facilities, casinos, theme parks and religious and cultural facilities.

Government Office includes federal, state and local government office facilities.

Health Care includes hospitals, clinics, medical assistance facilities, nursing homes and assisted-living centers.

Hotel includes hotels, motels, resorts and convention centers.

Multiresidential includes co-ops, condominiums and apartment buildings.

Retail/Office includes commercial offices and retail facilities.

Other Buildings comprises miscellaneous buildings.

Other Markets comprises industrial process and pharmaceutical plants, food processing plants, manufacturing facilities, telecommunications facilities, infrastructure and cabling, towers and antennae, data centers and web hotels, etc.

RANK 2023	RANK 2022	FIRM	ACC. STAFF	2022 GREEN REVENUE			RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTCS
				IN \$ MIL.	% OF TOTAL REVENUE										
1	2	GENSLER , Los Angeles, Calif.	1,721	1,097.41	61	61	4	3	1	2	3	6	14	2	
2	1	AECOM , Dallas, Texas	NA	1,070.00	13	11	7	7	3	1	5	3	2	49	
3	4	HOK , New York, N.Y.	757	487.77	100	24	11	14	22	0	1	7	18	0	
4	3	ARUP , New York, N.Y.	96	472.13	91	18	4	6	8	3	1	1	25	33	
5	5	TETRA TECH , Pasadena, Calif.	383	456.00	11	36	46	2	16	0	0	0	0	0	
6	6	KIMLEY-HORN , Raleigh, N.C.	129	323.00	16	3	0	0	0	0	68	0	0	29	
7	**	PAGE SOUTHERLAND PAGE INC. , Washington, D.C.	727	304.30	59	9	29	12	14	0	2	1	9	21	
8	9	WSP USA , New York, N.Y.	1,227	296.00	9	3	4	2	3	0	1	0	0	85	
9	7	HDR , Omaha, Neb.	655	261.62	9	0	2	20	38	0	0	0	3	35	
10	8	HKS , Dallas, Texas	478	258.39	52	25	0	6	45	8	0	7	1	0	
11	10	STANTEC INC. , Irvine, Calif.	562	233.00	11	20	4	21	26	1	3	2	10	6	
12	**	DLR GROUP , Seattle, Wash.	340	221.90	64	16	9	48	4	7	0	6	5	0	
13	14	HGA , Minneapolis, Minn.	237	209.52	100	17	4	5	39	1	1	11	22	1	
14	16	LANGAN , Parsippany, N.J.	112	202.76	44	12	0	5	4	2	10	6	7	43	
15	11	SKIDMORE OWINGS & MERRILL , New York, N.Y.	320	192.00	57	29	26	3	1	0	4	0	16	1	
16	13	CANNONDESIGN , New York City, N.Y.	NA	186.00	57	4	0	34	61	0	0	0	0	0	
17	12	ZGF , Portland, Ore.	247	172.80	72	17	5	14	22	0	0	6	33	0	
18	20	SMITHGROUP , Detroit, Mich.	479	163.06	46	4	3	18	57	0	0	0	18	0	
19	19	THORNTON TOMASETTI , New York, N.Y.	217	156.42	46	28	11	9	4	3	14	7	10	14	
20	15	PERKINS&WILL , Chicago, Ill.	1,591	132.58	19	25	1	18	31	1	1	4	13	0	
21	18	BURNS & MCDONNELL , Kansas City, Mo.	333	130.42	5	5	48	0	0	0	0	0	12	35	
22	17	NBBJ , Seattle, Wash.	246	129.80	55	52	4	4	39	0	0	1	0	0	
23	**	BR+A CONSULTING ENGINEERS , Boston, Mass.	57	126.50	100	0	0	32	68	0	0	0	0	0	
24	52	TYLIN , San Francisco, Calif.	101	100.93	16	16	8	13	19	2	6	3	8	18	
25	28	IMEG CORP. , Rock Island, Ill.	211	96.40	25	17	27	29	14	4	0	3	0	0	
26	30	CORGAN , Dallas, Texas	161	95.40	29	18	0	0	0	0	0	0	60	22	
27	**	WATG , Irvine, Calif.	181	87.04	100	0	0	0	0	100	0	0	0	0	
28	36	CO ARCHITECTS , Los Angeles, Calif.	47	76.97	100	0	1	27	68	0	0	0	3	0	
29	24	LITTLE DIVERSIFIED ARCHITECTURAL CONSULTING INC. , Charlotte, N.C.	107	71.97	100	56	6	17	19	0	0	1	0	0	
30	27	BALLINGER , Philadelphia, Pa.	50	69.61	75	9	0	21	67	0	0	2	1	0	
31	32	ELKUS MANFREDI ARCHITECTS , Boston, Mass.	112	60.53	56	12	0	3	1	0	3	1	75	0	
32	60	FLAD ARCHITECTS , Madison, Wis.	171	57.31	38	0	0	9	0	0	0	0	91	0	
33	26	BLACK & VEATCH , Overland Park, Kan.	55	53.59	4	0	100	0	0	0	0	0	0	0	
34	37	KENDALL/HEATON ASSOCIATES INC. , Houston, Texas	10	53.10	98	95	0	5	0	0	0	0	0	0	
35	34	SYSKA HENNESSY GROUP , New York, N.Y.	79	51.47	40	20	2	3	4	3	0	1	62	1	
36	**	THE MILLER HULL PARTNERSHIP LLP , Seattle, Wash.	46	50.14	100	34	8	2	0	2	0	0	52	2	
37	29	LMN ARCHITECTS , Seattle, Wash.	62	45.00	83	23	0	55	0	12	0	9	0	2	
38	90	DAY & ZIMMERMANN , Philadelphia, Pa.	44	44.70	NA	0	100	0	0	0	0	0	0	0	
39	70	TLC ENGINEERING SOLUTIONS , Orlando, Fla.	82	40.55	43	10	7	19	48	0	1	0	15	0	
40	39	IPS-INTEGRATED PROJECT SERVICES LLC , Blue Bell, Pa.	92	39.28	15	0	0	0	0	0	0	0	0	100	
41	31	PERKINS EASTMAN , New York, N.Y.	382	38.49	15	3	2	54	20	5	8	0	1	0	
42	83	CMTA INC. , Prospect, Ky.	187	36.45	28	1	1	97	0	0	0	1	0	0	
43	43	SMITH SECKMAN REID INC. , Nashville, Tenn.	57	36.06	35	13	0	8	63	0	6	9	0	2	
44	41	WALTER P MOORE , Houston, Texas	58	34.51	24	18	0	3	21	0	0	9	46	1	
45	**	ENNEAD ARCHITECTS LLC , New York, N.Y.	76	33.58	48	3	10	24	46	0	0	11	2	0	
46	57	GRIMM + PARKER ARCHITECTS , Tysons, Va.	58	31.60	97	2	0	71	0	0	17	10	0	0	
47	38	MICHAEL BAKER INTERNATIONAL , Pittsburgh, Pa.	131	30.32	4	2	61	0	0	0	0	0	0	37	
48	40	VANDERWEIL ENGINEERS , Boston, Mass.	68	29.38	27	5	15	11	4	0	2	4	38	11	
49	35	FENTRESS ARCHITECTS , Denver, Colo.	NA	28.90	100	11	3	0	0	10	0	0	76	0	
50	42	AFFILIATED ENGINEERS INC. , Madison, Wis.	154	28.88	16	5	7	16	63	0	2	0	0	7	

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NBBJ named Robert C. Mankin Jr., as a managing partner in March. He succeeds Steve McConnell, who is now chair of the firm's board.

RANK 2023	RANK 2022		ACC. STAFF	2022 GREEN REVENUE		RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTS.
				IN \$ MIL.	% OF TOTAL REVENUE									
51	**	EXP, Chicago, Ill.	115	26.90	3	4	15	0	36	11	0	0	0	34
52	44	AYERS SAINT GROSS, Baltimore, Md.	71	24.16	38	0	0	49	0	0	0	7	44	0
53	91	HMC ARCHITECTS, Ontario, Calif.	40	24.14	19	0	0	9	88	0	0	3	0	0
54	**	RBB ARCHITECTS INC., Los Angeles, Calif.	7	23.91	100	0	0	0	100	0	0	0	0	0
55	47	SHALOM BARANES ASSOCIATES, Washington, D.C.	30	22.81	NA	4	11	22	23	0	27	0	0	0
56	59	WDG, Washington, D.C.	29	21.82	67	2	0	13	0	8	76	0	1	0
57	53	HASTINGS ARCHITECTURE LLC, Nashville, Tenn.	49	21.22	56	5	4	15	0	0	48	3	5	0
58	48	HNTB COS., Kansas City, Mo.	91	20.93	1	0	0	0	0	0	0	96	0	4
59	58	GOETTSCH PARTNERS, Chicago, Ill.	37	20.85	62	47	0	0	0	6	15	0	0	0
60	45	THE S/L/A/M COLLABORATIVE, Glastonbury, Conn.	67	19.30	24	5	9	52	34	0	0	0	0	0
61	68	MARMON MOK, San Antonio, Texas	21	19.02	100	4	28	5	44	0	0	18	1	0
62	**	MITHUN, Seattle, Wash.	162	18.00	43	0	0	38	0	0	59	0	0	0
63	**	ARCHITECTURAL NEXUS INC., Salt Lake City, Utah	22	17.17	49	0	0	1	97	0	2	0	0	0
64	56	HMFH ARCHITECTS, Cambridge, Mass.	24	16.42	93	0	0	94	0	0	6	0	0	0
65	82	ARROWSTREET INC., Boston, Mass.	23	16.37	NA	0	0	7	0	0	13	0	75	0
66	55	MOODY NOLAN, Columbus, Ohio	121	16.30	19	6	5	63	1	5	1	0	13	0
67	51	GANNETT FLEMING, Camp Hill, Pa.	184	15.97	2	0	0	0	0	0	0	0	0	100
68	22	HASKELL, Jacksonville, Fla.	100	15.89	18	0	57	0	14	0	0	7	0	22
69	63	DATTNER ARCHITECTS, New York, N.Y.	50	15.71	58	0	1	10	0	0	69	0	20	0
70	33	HORD COPLAN MACHT, Baltimore, Md.	93	15.40	16	0	0	54	24	0	22	0	0	0
71	67	GFF, Dallas, Texas	18	15.10	39	14	0	8	0	0	58	4	11	0
72	65	DAVIS PARTNERSHIP ARCHITECTS, Denver, Colo.	64	14.96	28	1	3	5	5	5	53	0	0	0
73	71	DEWBERRY, Fairfax, Va.	170	14.64	2	33	50	8	3	0	5	0	0	0
74	**	KCCT, Washington, Va.	11	14.62	NA	0	100	0	0	0	0	0	0	0
75	61	EUA (EPPSTEIN UHEN ARCHITECTS INC.), Milwaukee, Wis.	51	13.48	19	4	0	0	1	48	1	6	0	38
76	76	FXCOLLABORATIVE ARCHITECTS, Brooklyn, N.Y.	109	12.05	46	5	1	22	0	0	18	8	0	4
77	86	AHL, Honolulu, Hawaii	27	11.58	49	0	51	0	12	0	33	2	0	0
78	93	GARMANN MILLER, Minster, Ohio	11	10.20	81	0	0	100	0	0	0	0	0	0
79	**	BWBR, Saint Paul, Minn.	41	9.93	18	3	28	50	9	0	0	2	8	0
80	**	LORD AECK SARGENT, Atlanta, Ga.	50	9.77	25	1	0	16	0	0	23	7	53	0
81	**	BARGE DESIGN SOLUTIONS, Nashville, Tenn.	66	9.66	8	0	0	0	0	0	0	0	0	100
82	**	WEBER THOMPSON, Seattle, Wash.	42	9.20	66	29	0	0	0	0	71	0	0	0
83	69	STEINBERG HART, Los Angeles, Calif.	88	8.77	23	0	28	35	15	0	12	0	0	0
84	78	COOPER CARRY, Atlanta, Ga.	203	8.21	9	3	7	14	0	38	24	0	0	0
85	64	ROBERT A.M. STERN ARCHITECTS, New York, N.Y.	NA	8.19	11	2	21	37	0	0	1	39	0	0
86	**	KOHN PEDERSEN FOX, New York, N.Y.	95	8.01	4	23	0	8	0	9	0	0	1	0
87	79	JCJ ARCHITECTURE, Hartford, Conn.	42	7.82	14	0	0	100	0	0	0	0	0	0
88	**	DORE & WHITTIER ARCHITECTS INC., Burlington, Vt.	14	7.75	49	0	11	89	0	0	0	0	0	0
89	46	NAC ARCHITECTURE, Spokane, Wash.	47	7.35	15	0	0	98	2	0	0	1	0	0
90	77	LIONAKIS, Sacramento, Calif.	65	7.02	17	6	71	14	6	0	0	0	4	0
91	92	HED, Southfield, Mich.	123	6.43	6	8	0	42	7	0	10	24	9	0
92	66	GRESHAM SMITH, Nashville, Tenn.	143	6.18	2	0	0	0	61	0	0	0	39	0
93	94	SHF, Cincinnati, Ohio	39	6.00	28	0	0	100	0	0	0	0	0	0
94	84	CURTIS + GINSBERG ARCHITECTS, New York, N.Y.	17	5.90	59	0	0	0	3	0	48	0	0	0
95	80	GGLO, Seattle, Wash.	72	5.82	23	1	0	0	0	0	99	0	0	0
96	100	DLZ CORP., Columbus, Ohio	13	5.26	3	0	22	0	0	0	0	4	75	0
97	96	CRABTREE ROHRBAUGH & ASSOCIATES, Mechanicsburg, Pa.	12	4.50	13	0	0	100	0	0	0	0	0	0
98	97	MBH ARCHITECTS, Alameda, Calif.	58	4.40	10	80	0	0	0	0	15	0	5	0
99	89	FANNING HOWEY, Celina, Ohio	41	4.35	17	0	0	100	0	0	0	0	0	0
100	**	MG2, Seattle, Wash.	104	4.20	5	0	0	0	0	0	0	0	0	0

RANK 2023	RANK 2022	FIRM	ACC. STAFF	2022 GREEN REVENUE			RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKT'S
				IN \$ MIL.	% OF TOTAL REVENUE										
1	1	THE TURNER CORP., New York, N.Y.	1,064	7,548.50	46	26	4	7	11	0	1	5	7	37	
2	2	CLARK GROUP, McLean, Va.	393	5,163.47	72	16	10	7	13	6	26	9	9	5	
3	6	AECOM, Dallas, Texas	NA	4,872.05	80	34	0	1	11	8	9	19	1	16	
4	8	DPR CONSTRUCTION, Redwood City, Calif.	603	4,602.86	50	22	0	2	13	1	1	0	1	61	
5	5	CLAYCO, Chicago, Ill.	NA	3,805.00	73	37	0	0	0	0	0	0	36	27	
6	4	HENSEL PHELPS, Greeley, Colo.	248	3,762.06	59	4	26	6	12	2	2	1	38	10	
7	7	STO BUILDING GROUP, New York, N.Y.	304	3,565.00	34	58	1	10	10	2	5	0	4	10	
8	3	SWINERTON, Concord, Calif.	199	3,424.20	87	26	10	9	17	14	18	2	4	0	
9	**	SUFFOLK CONSTRUCTION CO. INC., Boston, Mass.	172	2,921.20	61	12	0	17	3	11	27	0	11	1	
10	10	GILBANE BUILDING CO., Providence, R.I.	238	2,845.63	45	21	4	31	11	3	7	5	12	7	
11	12	THE WHITING-TURNER CONTRACTING CO., Baltimore, Md.	268	2,561.58	30	28	5	25	26	0	2	3	1	3	
12	9	HOLDER CONSTRUCTION, Atlanta, Ga.	320	2,488.00	54	8	0	4	0	0	0	0	17	71	
13	11	PCL CONSTRUCTION ENTERPRISES, Denver, Colo.	303	2,449.16	40	15	14	10	22	13	5	4	14	3	
14	13	SKANSKA USA, New York, N.Y.	307	2,116.86	31	19	0	16	19	0	5	2	12	27	
15	14	CONSIGLI BUILDING GROUP INC., Milford, Mass.	100	1,640.70	62	40	1	40	10	0	6	0	1	1	
16	15	AUSTIN INDUSTRIES, Dallas, Texas	5	1,625.87	51	4	0	1	0	5	0	0	88	0	
17	23	MORTENSON, Minneapolis, Minn.	201	1,468.49	30	2	0	2	6	2	0	16	0	71	
18	21	HITT CONTRACTING INC., Falls Church, Va.	73	1,323.30	24	38	2	0	1	1	13	0	3	41	
19	19	BRASFIELD & GORRIE LLC, Birmingham, Ala.	NA	1,153.87	23	21	6	0	31	5	18	0	5	12	
20	16	JE DUNN CONSTRUCTION GROUP, Kansas City, Mo.	294	1,129.49	19	29	7	12	21	4	17	3	5	2	
21	20	FORTIS CONSTRUCTION INC., Portland, Ore.	53	1,106.30	60	1	1	5	0	0	0	0	0	92	
22	18	HASKELL, Jacksonville, Fla.	100	1,059.76	61	0	4	8	0	0	0	12	0	76	
23	24	LENLEASE, New York, N.Y.	164	1,048.20	55	36	2	0	8	0	42	0	0	11	
24	32	BALFOUR BEATTY US, Dallas, Texas	207	1,045.50	23	39	1	7	0	11	3	3	4	18	
25	22	ADOLFSON & PETERSON CONSTRUCTION, Minneapolis, Minn.	216	926.76	71	0	10	53	0	0	0	0	0	37	
26	17	HATHAWAY DINWIDDIE CONSTRUCTION CO., San Francisco, Calif.	103	876.37	63	39	2	13	0	1	0	15	30	0	
27	27	MCCARTHY HOLDINGS INC., St. Louis, Mo.	392	869.57	16	28	0	8	38	0	0	0	0	26	
28	26	BL HARBERT INTERNATIONAL, Birmingham, Ala.	NA	802.97	69	0	97	0	3	0	0	0	0	0	
29	37	WEBCOR, San Francisco, Calif.	102	777.61	76	34	4	0	2	3	38	3	3	14	
30	29	JAMES G. DAVIS CONSTRUCTION CORP., Rockville, Md.	35	770.83	83	65	0	2	11	0	20	2	0	0	
31	30	THE WALSH GROUP, Chicago, Ill.	8,400	679.39	12	0	6	13	1	0	7	0	41	32	
32	44	BNBUILDERS, Seattle, Wash.	85	643.00	55	70	3	15	3	0	9	0	0	0	
33	28	COASTAL CONSTRUCTION GROUP, Miami, Fla.	14	624.90	91	12	0	11	0	12	65	0	0	0	
34	40	PEPPER CONSTRUCTION, Chicago, Ill.	116	624.49	33	1	0	12	21	0	0	10	56	0	
35	31	J.T. MAGEN & CO. INC., New York, N.Y.	18	601.36	39	96	0	0	0	0	0	0	4	0	
36	33	LEVEL 10 CONSTRUCTION, Sunnyvale, Calif.	90	527.99	47	95	0	5	0	0	0	0	0	0	
37	79	BURNS & MCDONNELL, Kansas City, Mo.	333	468.00	12	3	0	0	0	0	0	0	0	97	
38	43	SELLEN CONSTRUCTION, Seattle, Wash.	36	463.88	73	98	0	0	2	0	0	0	0	0	
39	35	CADDELL CONSTRUCTION, Montgomery, Ala.	30	451.10	64	0	74	2	0	0	24	0	0	0	
40	38	SHAWMUT DESIGN AND CONSTRUCTION, Boston, Mass.	100	438.64	36	30	0	55	1	0	0	0	14	0	
41	46	OKLAND CONSTRUCTION, Salt Lake City, Utah	NA	435.50	32	26	3	18	1	0	0	0	0	51	
42	48	BERNARDS, San Fernando, Calif.	50	422.90	87	0	4	26	1	0	38	4	29	0	
43	58	THE YATES COS. INC., Philadelphia, Miss.	53	415.90	13	0	18	15	1	0	1	13	0	52	
44	65	C. OVERAA & CO., Richmond, Calif.†	47	383.05	100	6	12	25	1	0	5	6	3	41	
45	41	NIBBI BROS. ASSOCIATES INC., San Francisco, Calif.	35	382.22	96	11	0	0	0	0	85	0	0	4	
46	39	GRUNLEY CONSTRUCTION CO. INC., Rockville, Md.	27	375.00	79	1	60	6	0	0	0	32	2	0	
47	57	JRM CONSTRUCTION MANAGEMENT, New York, N.Y.	NA	370.00	38	84	0	16	0	0	0	0	0	0	
48	66	IPS-INTEGRATED PROJECT SERVICES LLC, Blue Bell, Pa.	92	366.79	40	0	0	0	0	0	0	0	0	100	
49	52	SUNDT CONSTRUCTION INC., Tempe, Ariz.	63	342.36	20	0	10	9	0	0	16	0	9	57	
50	50	WALSH CONSTRUCTION CO., Portland, Ore.	79	342.00	67	5	0	3	30	0	61	0	0	0	

† C. OVERAA'S REVENUE IS HIGHER HERE THAN ON THEIR TOP-400 RANKING. AS THEIR FULL FINANCIAL INFORMATION WAS UNAVAILABLE FOR THE TOP-400 RANKING.

LENDLEASE is working on 1 Java Street in Brooklyn. It aims to be the largest residential project in the state using a geothermal system.

RANK 2023	RANK 2022	FIRM	ACC. STAFF	2022 GREEN REVENUE		RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTS.
				IN \$ MIL.	% OF TOTAL REVENUE									
51	**	XL CONSTRUCTION CORP., Milpitas, Calif.	NA	316.04	39	70	0	12	11	0	0	0	7	0
52	56	HARPER CONSTRUCTION CO. INC., San Diego, Calif.	4	314.40	84	0	41	7	0	0	3	0	48	0
53	51	HARKINS BUILDERS, Columbia, Md.	23	291.20	65	0	0	0	0	0	100	0	0	0
54	49	ROGERS-O'BRIEN CONSTRUCTION, Dallas, Texas	58	288.68	36	0	0	52	10	0	39	0	0	0
55	80	KPRS CONSTRUCTION, Brea, Calif.	4	262.10	24	5	0	0	0	0	14	1	80	0
56	**	CAHILL CONTRACTORS, San Francisco, Calif.	51	259.50	64	0	0	1	0	0	99	0	0	0
57	59	DIMEO CONSTRUCTION CO., Providence, R.I.	78	240.00	44	0	7	35	16	0	21	0	16	0
58	53	MANHATTAN CONSTRUCTION GROUP, Tulsa, Okla.	25	239.34	16	26	45	25	0	0	3	0	0	0
59	70	ROBINS & MORTON, Birmingham, Ala.	91	232.70	14	28	2	0	44	0	0	11	15	0
60	55	FONTAINE BROS. INC., Springfield, Mass.	7	230.40	88	0	0	92	0	0	0	0	8	0
61	76	JACOBSEN CONSTRUCTION CO. INC., Salt Lake City, Utah	16	222.00	26	0	0	6	73	22	0	0	0	0
62	61	CHINA CONSTR. AMERICA/PLAZA CONSTR., Jersey City, N.J.	NA	219.71	43	16	5	0	0	0	17	0	62	0
63	45	BIG-D CONSTRUCTION, Salt Lake City, Utah	75	219.00	9	0	0	0	0	0	3	0	96	0
64	47	CHOATE CONSTRUCTION CO., Atlanta, Ga.	68	213.81	13	41	0	10	0	0	26	0	1	0
65	67	J.H. FINDORFF & SON INC., Madison, Wis.	NA	211.10	21	13	0	0	3	0	82	0	3	0
66	69	PJ DICK - TRUMBULL - LINDY GROUP, Pittsburgh, Pa.	20	176.41	15	4	15	65	12	0	0	0	4	0
67	63	MASCARO CONSTRUCTION CO. LP, Pittsburgh, Pa.	24	174.49	31	0	19	0	81	0	0	0	0	0
68	78	RYCON CONSTRUCTION INC., Pittsburgh, Pa.	20	168.70	20	11	0	27	0	0	1	0	61	0
69	62	THE KORTE CO., Highland, Ill.	13	156.00	36	0	35	0	17	0	9	0	39	0
70	64	PLANT CONSTRUCTION CO. LP, San Francisco, Calif.	23	145.58	44	95	0	3	0	0	0	0	0	0
71	**	RAND CONSTRUCTION CORP., Alexandria, Va.	12	137.00	27	100	0	0	0	0	0	0	0	0
72	75	PINNER CONSTRUCTION CO. INC., Anaheim, Calif.	2	136.03	81	0	0	89	0	0	0	1	10	0
73	71	O&G INDUSTRIES INC., Torrington, Conn.	7	135.98	30	0	0	100	0	0	0	0	0	0
74	60	EXXEL PACIFIC INC., Bellingham, Wash.	19	130.63	37	0	0	3	1	0	96	0	0	0
75	82	BRADBURY STAMM CONSTRUCTION INC., Albuquerque, N.M.	12	130.45	39	0	1	28	63	0	0	0	8	0
76	42	COLUMBIA, North Reading, Mass.	26	119.90	32	0	0	1	0	0	1	0	97	0
77	**	CMTA INC., Prospect, Ky.	187	109.11	81	0	0	100	0	0	0	0	0	0
78	92	LEOPARDO COS., Hoffman Estates, Ill.	28	109.05	35	1	10	0	26	0	61	0	0	0
79	84	CLANCY & THEYS CONSTRUCTION, Raleigh, N.C.	26	105.90	12	1	0	0	0	0	96	0	2	0
80	68	C.W. DRIVER COS., Pasadena, Calif.	24	98.17	17	13	0	87	0	0	0	0	0	0
81	85	SAUNDERS CONSTRUCTION INC., Englewood, Colo.	50	91.40	15	18	0	24	0	0	0	0	0	4
82	73	W. M. JORDAN CO., Newport News, Va.	20	88.58	18	0	7	36	0	55	0	0	1	0
83	81	MCCOWNGORDON CONSTRUCTION, Kansas City, Mo.	15	82.00	12	74	26	0	0	0	0	0	0	0
84	**	ABSHER CONSTRUCTION CO., Puyallup, Wash.	15	82.00	26	0	14	0	0	0	15	0	0	70
85	72	C. H. NICKERSON & CO. INC., Torrington, Conn.	NA	79.10	100	0	0	0	0	0	0	0	0	100
86	88	COAKLEY & WILLIAMS CONSTRUCTION, Bethesda, Md.	14	78.30	32	14	7	71	1	3	1	2	1	0
87	87	PC CONSTRUCTION CO., South Burlington, Vt.	24	72.25	17	0	0	98	0	0	0	0	0	2
88	**	RABREN GENERAL CONTRACTORS, Auburn, Ala.	3	67.20	25	0	0	0	0	0	0	100	0	0
89	94	O'NEIL INDUSTRIES INC., Chicago, Ill.	55	62.00	5	3	0	46	0	0	0	32	0	0
90	74	GLY CONSTRUCTION, Bellevue, Wash.	32	49.66	9	100	0	0	0	0	0	0	0	0
91	86	KRAUS-ANDERSON, Minneapolis, Minn.	118	41.24	6	0	0	0	0	0	0	0	0	0
92	83	RODGERS BUILDERS, Charlotte, N.C.	25	32.20	8	15	85	0	0	0	0	0	0	0
93	90	BUTZ ENTERPRISES INC., Allentown, Pa.	19	23.93	10	0	0	0	100	0	0	0	0	0
94	98	THE KOKOSING GROUP OF COS., Westerville, Ohio	32	23.42	1	0	0	31	0	0	0	0	0	69
95	100	TARLTON CORP., St. Louis, Mo.	10	20.87	11	2	0	0	0	0	0	0	98	0
96	**	CDI ENGINEERING SOLUTIONS, Houston, Texas	52	20.00	26	0	0	0	0	0	0	0	0	100
97	95	GRAY CONSTRUCTION, Lexington, Ky.	94	17.91	1	0	0	0	0	0	0	0	0	100
98	97	MIRON CONSTRUCTION CO. INC., Neenah, Wis.	133	15.77	1	13	0	83	0	0	5	0	0	0
99	93	CLARK CONSTRUCTION CO., Lansing, Mich.	NA	14.00	4	0	0	100	0	0	0	0	0	0
100	89	BARTON MALOW HOLDINGS LLC, Southfield, Mich.	81	10.58	0	0	0	97	0	0	0	0	0	2