

ENR THE TOP 100

GREEN DESIGN FIRMS AND CONTRACTORS

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HANGING GARDENS Stantec provided engineering support on Atlassian's new HQ in Sydney. At 40 stories, the building would be the tallest hybrid timber building in the world. It will operate on 100% renewable energy.



IMAGE CREDIT: SHOP AND BIN, COURTESY OF STANTEC

NUMBER 6

Green Market Growth Stunted

Sustainable design and contracting revenue dips, while healthy building standards help projects turn over a new leaf By Emell Adolphus, Jonathan Keller



On his first day in the Oval Office, President Biden signed an executive order recommitting the U.S. to the Paris Agreement. With new targets set to curb carbon emissions and build a greener, more resilient future, design firms and contractors are now tasked with helping owners reshape what it means to be green in the age of COVID-19.

Revenue numbers for this year's Top 100 Green Design Firms and Contractors show signs of a market in transition. Total design revenue is \$6.41 billion, a 12% drop from last year's \$7.28 billion. Contracting revenue is also down to \$69.85 billion from \$72.71 billion last year, a 3.9% drop.

Despite these dips, design firms and contractors say owners now more than ever want projects to incorporate green building standards, such as LEED, Envision and Parksmart, to reduce outside environmental footprints. Other standards, such as improving the health and well-being of building occupants, can add an additional shade of green to what is built.

"The pandemic has not fundamentally changed how our clients view sustainable buildings," says Eric

Sheffer, principal at Nashville-based SSR (Smith Seckman Reid). "But it has expanded emphasis on health, wellness and indoor environmental quality."

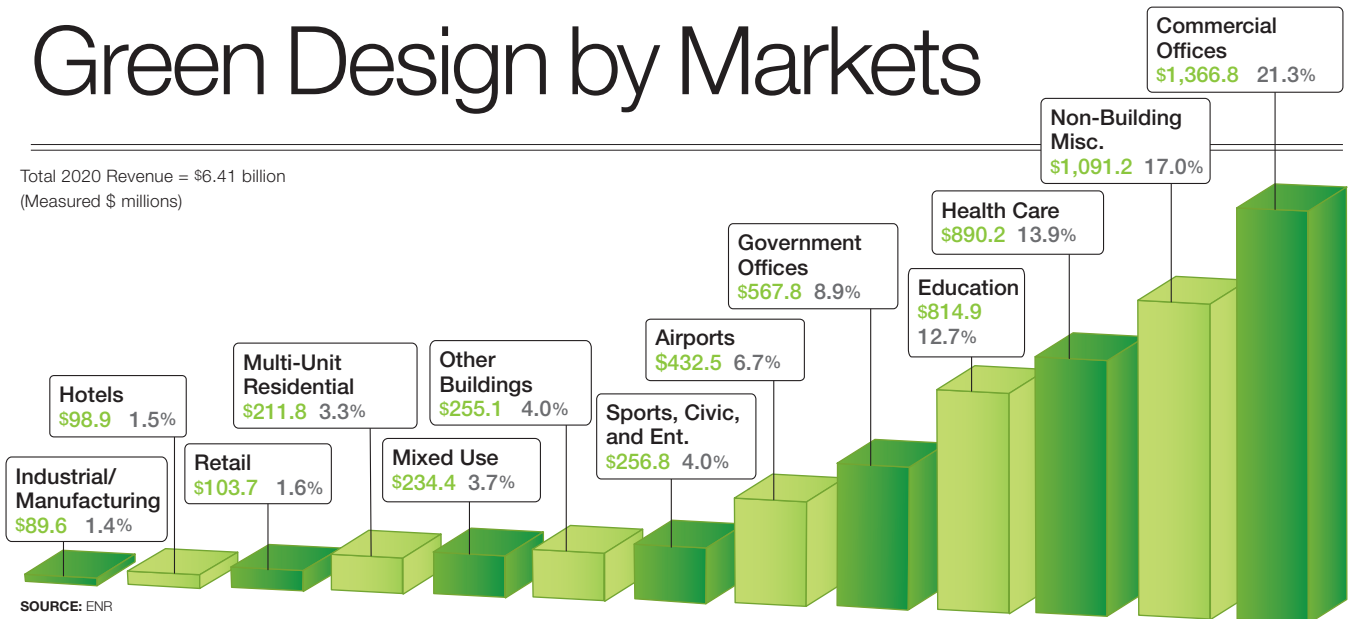
Building to Standards

Indoor healthy building standards such as WELL Building, Fitwel and Living Building Challenge are "all gaining significant traction in the construction design market," Sheffer says, and SSR is actively "advocating to our clients to pursue factors which positively affect health and wellness in their designs."

But rather than solely focusing on achieving a particular sustainability certification or healthy building rating, green design firms and contractors are finding that owners are hoping to build resiliency from the

Green Design by Markets

Total 2020 Revenue = \$6.41 billion
(Measured \$ millions)



SOURCE: ENR

Top 5 Green Design Firms by Sector

COMMERCIAL OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	GENSLER	515.64
2	AECOM	100.00
3	NBBJ	78.70
4	ARUP	76.79
5	SKIDMORE OWINGS & MERRILL	76.50

EDUCATIONAL FACILITIES		
RANK	FIRM	\$ MIL. REVENUE
1	DLR GROUP	78.22
2	STANTEC INC.	57.53
3	CANNONDESIGN	55.00
4	AECOM	40.00
5	GENSLER	39.63

GOVERNMENT OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	AECOM	80.00
2	SMITHGROUP	54.34
3	BURNS & MCDONNELL	51.23
4	HOK	50.40
5	BLACK & VEATCH	42.16

HEALTH CARE		
RANK	FIRM	\$ MIL. REVENUE
1	HDR	90.52
2	CANNONDESIGN	90.00
3	HKS	83.03
4	HOK	80.40
5	BR+A CONSULTING ENGINEERS	69.74

MANUFACTURING & INDUSTRIAL		
RANK	FIRM	\$ MIL. REVENUE
1	HASKELL	45.92
2	AECOM	20.00
3	EWINGCOLE	11.00
4	BURNS & MCDONNELL	2.96
5	STANTEC INC.	2.74

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	\$ MIL. REVENUE
1	KIMLEY-HORN	95.80
2	SKIDMORE OWINGS & MERRILL	18.70
3	GENSLER	15.78
4	THORNTON TOMASETTI	9.87
5	WDG ARCHITECTURE	9.50

RETAIL		
RANK	FIRM	\$ MIL. REVENUE
1	GENSLER	58.91
2	LITTLE DIVERSIFIED ARCHITECTURAL	12.94
3	AECOM	10.00
4	KIMLEY-HORN	6.79
5	STANTEC INC.	4.58

SPORTS, ENTERTAINMENT & CIVIC		
RANK	FIRM	\$ MIL. REVENUE
1	GENSLER	51.73
2	HOK	32.30
3	ARUP	27.55
4	HKS	24.64
5	DLR GROUP	20.60

outside in. Such considerations include environmental risks such as wildfires and floods and social concerns such as pollution, public health and carbon footprint.

“The focus on health and wellness has intensified significantly as a result of the COVID-19 pandemic, and we are seeing a shift in responsibility for driving these improvements,” says Gunnar Hubbard, principal and sustainability practice leader at Thornton Tomasetti. “Previously tenants took the lead when it came to greening their spaces, but now building owners, especially in the office sector, are faced with a historic reset in the way tenants use their space.”

More owners are finding that they need to show what they are doing to promote health and wellness to attract and retain tenants, says Hubbard. To do this, many are opting to pursue the International WELL Building Institute’s WELL Health-Safety rating to help tenants feel more comfortable as they return to their buildings.

“The emergence of WELL standards reflects a growing focus on the health and wellness of building occupants and how they use the space in addition to operational performance and energy conservation,” says Hubbard. While many clients are building to these standards, not all are seeking to certify their projects.



“Our clients are trying to anticipate both natural and human-made threats to their properties.”

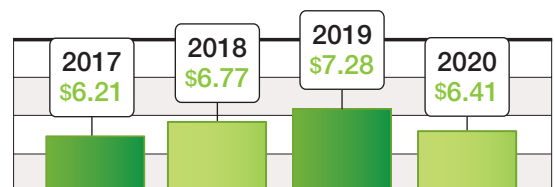
Gunnar Hubbard, sustainability practice leader, Thornton Tomasetti

“Our clients are increasingly trying to anticipate both natural and human-made threats to their properties and are more actively planning to meet the challenges of climate change,” says Hubbard. In addition to operational carbon emissions, “We are also seeing a greater focus on reducing embodied carbon, the greenhouse gas emissions arising from the manufacturing, transportation, installation, maintenance and disposal of building materials.”

Planning for Climate Change

Announced during the Leaders Summit on Climate this year, a virtual meeting convened by the U.S., the Biden administration set year 2030 as target for

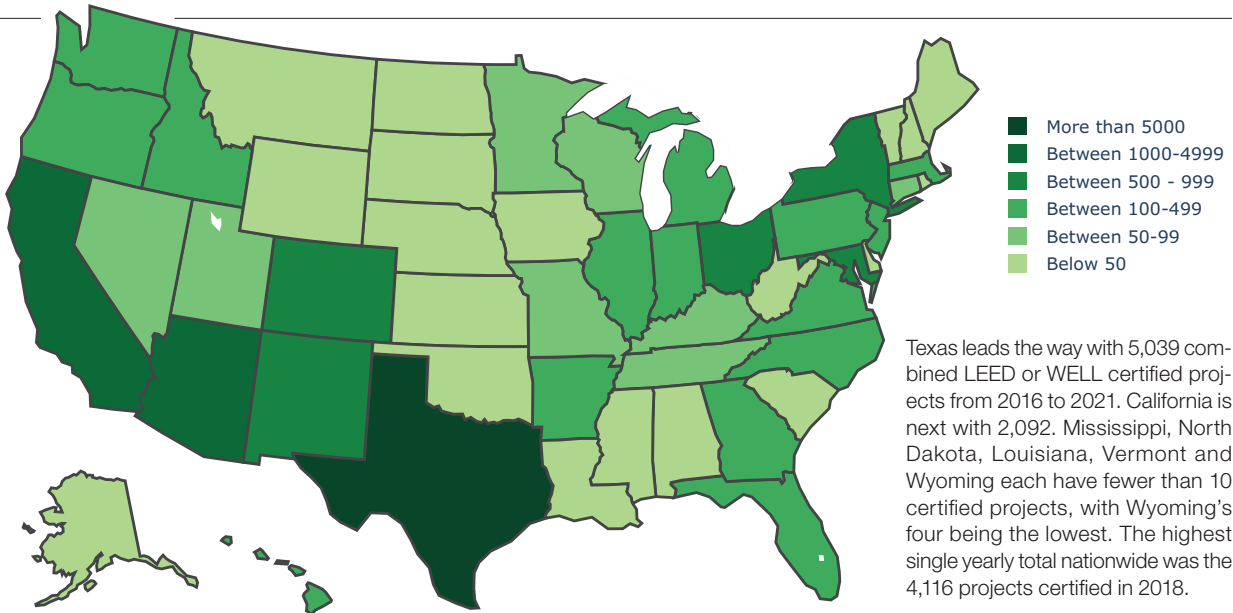
GREEN DESIGN FIRM REVENUE \$ BIL.



SOURCE: ENR DATA

Green Certifications

LEED/WELL Projects Certified per State (2016-2021)



SOURCE: DATA PROVIDED BY THE U.S. GREEN BUILDING COUNCIL AND THE INTERNATIONAL WELL BUILDING INSTITUTE; MAP BY ENR

the U.S. to achieve a 50-52% reduction in economy-wide net greenhouse gas pollution. Additional goals include creating a carbon pollution-free power sector by 2035 and a net-zero emissions economy by no later than 2050.

The recently released Intergovernmental Panel on Climate Change (IPCC) report, “Climate Change 2021: The Physical Science Basis,” sounded an additional alarm about climate change’s detrimental effects on the environment and world economies. It adds another layer of urgency to Biden’s emissions goals.

Although significantly reducing carbon emissions will have immediate benefits on air quality, it could take “20-30 years” to see global temperatures stabilize.

“With uncertainty related to climate change and pandemic awareness, resilience is also becoming a factor in more private-sector projects as owners need to help protect their buildings and patrons,” adds SSR’s Sheffer. “In the past year, we’ve had more clients approach us about pursuing carbon neutrality for their new buildings or existing building portfolios than any other previous year.”

Carbon Conditions

In the past year, green design firms and contractors report that building performance standards are being driven less by new technologies or products, and more

by market pressure as public awareness grows of the magnitude and associated risk of the climate crisis. Increasingly, investors, supply chains and employees are all asking for evidence of immediate and impactful action toward carbon and climate-resiliency goals.

For some design firms, the same goals established for projects are being applied to their clients company-wide.

“The pairing of these two topics—resiliency and carbon-neutrality—is at the heart of our integrated learning right now,” says Maria Papiez, director of sustainable design at Ewing Cole. “We are maintaining our existing efforts to deeply reduce operational energy use and GHG emissions (CO₂ emissions from fossil fuel combustion and industrial processes) while also targeting reductions in the GHG emissions associated with the embodied carbon of materials.”

Resilient design strategies can sometimes connect to and impact operational and embodied carbon emissions in opposing ways, Papiez explains. For example, one aspect of reducing embodied carbon is limiting the quantity of material used in buildings through leaner design and elimination of redundant or unnecessary products. At the same time, resilient design might suggest additional systems or materials to mitigate disruption due to future climate change.

“Each project presents opportunities to evaluate the

best balance among these variables specific to the project typology and location,” says Papiez.

For example, the primary climate-dependent energy performance drivers are envelope and ventilation. By improving an envelope’s thermal performance and including energy recovery on ventilation air streams, designers can mitigate the effects of an uncertain future climate (resiliency) while simultaneously improving building energy performance (operational energy emissions).

Additionally, recent building codes and standards addressing decarbonization have seen a significant increase in ESG reporting and tracking, driven by the financial industry, explains Rachel Bannon-Godfrey, senior principal and global sustainability leader for Stantec’s buildings practice. Responding to the market signals sent by investor groups might result in faster progress within the building industry than it has achieved by itself so far, she says.

The economic impacts of the pandemic put a pause on many projects, large and small. At the same time, “the topics of electrification and embodied carbon saw a massive spike in interest,” says Bannon-Godfrey. This opened the door to more significant discussions about reuse instead of new construction, proposals for climate action planning and climate risk assessment. And as the market appetite for net-zero, carbon-neutral and resilient buildings grow, so does the need for standardization of the definitions and calculation methodologies to ensure accountability and meaningful action, she says.

“Every design path, every design decision made by every member on a project team, should lead to avoiding greenhouse gas emissions and supporting environmental justice,” says Bannon-Godfrey. Because rating systems have become a recognizable indicator of achievement within the building industry, “every rating system should double down on their targets and thresholds for operational and embodied carbon to make sure every project meets the Architecture 2030 Challenge, and what the IPCC is telling us we need to do today,” she says.

Adjusting Building Standards

Compared to achieving building sustainability certifications, the overall process for achieving carbon neutrality is often similar across market sectors, with adjustments to building design/construction based on local climate and building type. Market conditions and shortages can sometimes make meeting green building certifications more difficult if flexibility is not built into the standards.

Overall, balancing sustainability standards and re-



“Each project presents opportunities to evaluate the best balance among these variables specific to the project typology and location.”

Maria Papiez, Ewing Cole



“LEED should adjust their credit weighting to reflect the benefits provided to building occupants.”

Justin Shultz, EYP

silience with “carbon neutrality increases the importance of talking about environmental hazards with clients,” says Allison Wilson, sustainability director at Ayers Saint Gross.

The pandemic has accelerated clients’ willingness and interest in sustainable structures, says Wilson. “The crisis continues to highlight that the built environment must support our health and well-being, and clients are increasingly interested in quantifying how spaces support human health,” she says. “Building standards can be made more effective by placing greater emphasis on ongoing performance.”

And, Wilson adds, “Building a structure to meet a set of requirements on Day 1 is very different than operating and maintaining a building to meet those requirements every day.”

Wilson points out that the LEED program sometimes penalizes for project aspects that are out of the designer’s control, “such as location or high, unregulated process loads.”

What can be done to eliminate that flaw and position more buildings for success in the certification programs? Wilson suggests identifying alternative compliance paths within the credits that focus on aspects of the project that can be influenced by the design team.

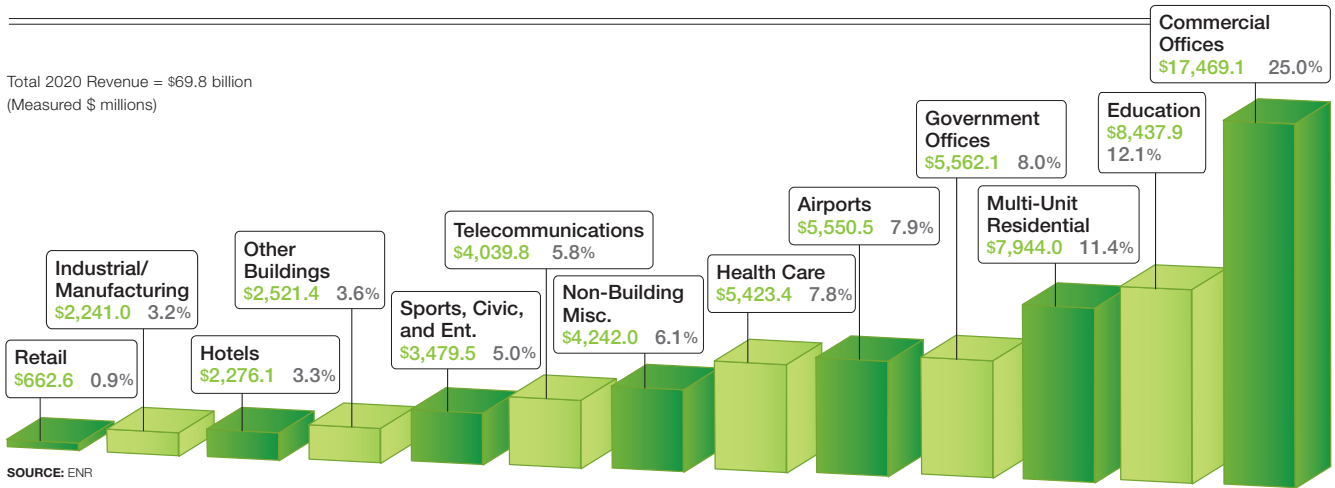
A major lesson learned from the pandemic is that building standards must be adaptable to the current times and flexible to real-time constraints, explains Victoria Watson, senior associate of high performance buildings and communities at AECOM.

“Envision published additional guidance on compliance with some credits that would have otherwise been challenging to achieve given the pandemic,” Watson says. Similarly, the U.S. Green Building Council adjusted its LEED v4.1 to respond to some market challenges with material availability and other factors that proved challenging in LEED v4.

Another issue with standards sometimes involves the rating system and why certain building characteristics receive higher credits than others. In ASHRAE’s “Building Readiness Guide,” developed by the ASHRAE Epidemic Task Force, key measures to reduce COVID-19 exposure are also used by the CDC as guidelines. They include increasing outdoor air ventilation and increasing filters used in recirculating systems to Minimum Efficiency Reporting Value-13 rating.

“LEED currently provides credit for these strategies under IEQ Enhanced Indoor Air Quality Strategies, but the weighting is minimal,” explains Justin Shultz, senior building performance analyst at EYP. “Given the increased protection associated with these measures, LEED should adjust their credit weighting

Green Contracting by Market



to reflect the benefits provided to building occupants.” And, he explains, installing technology such as advanced sensing and control schemes can not only help building performance but also indoor air quality.

“Sensor technology developments coupled with smart building control platforms offer owners the ability to optimize building performance and indoor air quality” without an increase to annual operating costs, says Shultz. “As the world begins to return to buildings, LEED can play an important role in reminding design teams of the value these strategies provide to the health and well-being of occupants. LEED can help buildings be better prepared for the next outbreak.”

Green Market Conditions

Exactly how the pandemic has reshaped or undercut sustainable design and construction remains unclear.

In an article published last year in the *Nature Climate Change* journal titled “Temporary Reduction in Daily Global CO₂ Emissions During the COVID-19 Forced Confinement,” researchers estimated that government shutdowns contributed to a 17% decrease in carbon emissions. “Many international borders were closed and populations were confined to their homes, which reduced transport and changed consumption patterns,” causing a decrease in pollution output, an abstract of the article explains.

However, ENR’s Top 100 Green Design Firms and Contractors data show government shutdowns might have had a much more detrimental effect on the ability of some green projects to continue to their construction stage.

Median revenue for green design firms fell 27.2%, from \$26.91 million to \$19.59 million. On the other hand, median revenue rose 3.4% for green contractors, from \$297.2 million to \$307.29 million this year.

On this year’s Top 100 Green Design Firms list, a few notable firms are missing. Jacobs and Tetra Tech both did not file a survey this year. Last year, they added \$473 million to the list. However, Stanley Consultants (ranked No. 8 this year), which did not file a 2019 survey, added \$201 million to the list this year.

The top four firms are all in the same positions as last year, but there are few new faces at the top, including Stanley and BR+A Consulting Engineers (ranked No. 19).

On the Green Contracting list, the top three firms all held their positions from the prior year. Reported revenue numbers generally outpace last year’s rankings until more than halfway down the list, where revenue is much lower than previously ranked contractors.

Ten firms that were on the list last year didn’t file this year, and another firm asked to be removed over doubts about their revenue numbers.

According to data obtained from the U.S. Green Building Council and the International Well Building Institute, the number of U.S. LEED and WELL certified projects have concentrations in the Southwest and the New York, New Jersey and Connecticut area (see p. 46) over the last five years. Since 2013, water and transportation sectors have had the most Envision-verified projects, according to information obtained from the Institute for Sustainable Infrastructure.

However, as each organization explained about their numbers, they only reflect verified projects

On the Web

For expanded content on the ENR Top Lists, see enr.com/toplists.

Top 5 Green Contractors by Sector

COMMERCIAL OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	THE TURNER CORP.	1,612.72
2	SWINERTON	1,239.00
3	AECOM	1,162.25
4	CLARK GROUP	1,099.54
5	HATHAWAY DINWIDDIE CONSTRUCTION CO.	1,099.30

EDUCATIONAL FACILITIES		
RANK	FIRM	\$ MIL. REVENUE
1	GILBANE BUILDING CO.	934.04
2	THE TURNER CORP.	617.71
3	SKANSKA USA	491.43
4	DPR CONSTRUCTION	477.84
5	THE WHITING-TURNER CONTRACTING CO.	460.82

GOVERNMENT OFFICES		
RANK	FIRM	\$ MIL. REVENUE
1	HENSEL PHELPS	1,204.41
2	BL HARBERT INTERNATIONAL	593.62
3	CLARK GROUP	474.55
4	CADDELL CONSTRUCTION CO. (DE) LLC	454.33
5	LENLEASE	419.00

HEALTH CARE		
RANK	FIRM	\$ MIL. REVENUE
1	THE TURNER CORP.	991.00
2	SWINERTON	440.00
3	STO BUILDING GROUP INC.	411.00
4	CLARK GROUP	405.70
5	PCL CONSTRUCTION	261.13

MANUFACTURING & INDUSTRIAL		
RANK	FIRM	\$ MIL. REVENUE
1	HASKELL	413.16
2	CLAYCO	380.00
3	THE TURNER CORP.	346.26
4	DPR CONSTRUCTION	182.84
5	STO BUILDING GROUP INC.	163.03

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	\$ MIL. REVENUE
1	CLARK GROUP	978.39
2	SWINERTON	619.00
3	COASTAL CONSTRUCTION GROUP	587.00
4	LENLEASE	558.00
5	AECOM	536.41

RETAIL		
RANK	FIRM	\$ MIL. REVENUE
1	AECOM	118.96
2	SKANSKA USA	91.36
3	STO BUILDING GROUP INC.	55.80
4	O'NEIL INDUSTRIES INC.	55.70
5	SWINERTON	48.00

SPORTS, ENTERTAINMENT & CIVIC		
RANK	FIRM	\$ MIL. REVENUE
1	AECOM	622.14
2	THE TURNER CORP.	490.50
3	MORTENSON	375.48
4	CLARK GROUP	294.80
5	CONSIGLI CONSTRUCTION CO. INC.	218.49

that have been submitted for certification levels over the years. In the near term, there have been significant code, policy and incentive efforts that are also helping to move the construction market in a more sustainable direction.

In Massachusetts, “Some of these include efforts from the AEC community regarding material health, flame retardants and PFAS chemicals,” says Suni Dillard, associate at HMFH Architects. “New regulations and incentives regarding the use of heavy timber construction will help push the construction market to prioritize sustainable construction materials.”

WSP is seeing “exciting new developments in how project teams are “evaluating and integrating



“We are seeing exciting developments in how project teams are evaluating and integrating sustainable design solutions in building projects.”

Suni Dillard, HMFH Architects

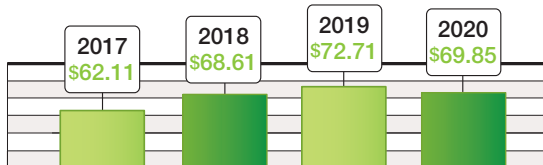
sustainable design solutions in building projects,” says Narada Golden, vice president and national director of built ecology.

“Clients are looking beyond the checklist of best practices to integrated solutions that deliver real long-term performance. This trend is being driven by companies, cities and states that work trying to deliver on their public climate commitments,” Golden says. “We have been working with a wide range of large clients to figure out how they can achieve real carbon emissions reductions across their projects and portfolios.”

He adds that clients are also expanding their definition of sustainability to include health and well-being, resiliency, equity and inclusion, “which is exciting for us because we have already incorporated these lenses into our approach to sustainable design. We build our project teams to integrate solutions that support climate-, health- and equity-based goals and adapt to this quickly evolving market.”

Early on in the pandemic, building owners focused on ventilation and indoor air quality to prevent the spread of COVID-19. But there is much more to keeping building occupants healthy than ventilation as outlined in indoor environmental quality standards.

GREEN CONTRACTOR REVENUE \$ BIL.



SOURCE: ENR DATA

At the University of Oregon’s High Performance Environments lab (HiPE), professor of architecture Ihab Elzeyadi leads a team to research and develop new indoor environmental quality standards. Then they are published for broader review and adoption by organizations such as WELL and Fitwel and other organizations focusing on building occupant health.

“People have been thinking of indoor environmental quality just from the perspective of adequate ventilation and an adequate HVAC system, and that could be happening in the later stages of design. And that’s fine. You can get away with that,” says Elzeyadi. “But when you look at the comprehensive idea of indoor environmental quality, that really needs to be thought of at the early stages of design. So it’s just not an air filter.”

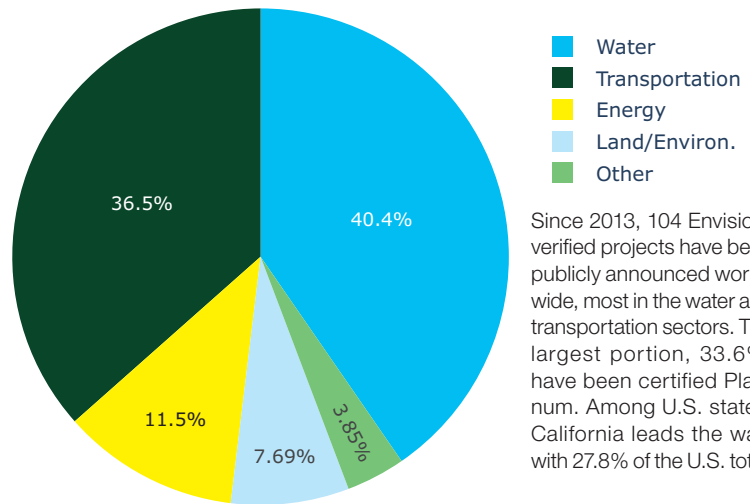
WELL standards generally prioritize people above all else. “There are a lot of tangible and intangible elements,” explains Gayathri Unnikrishnan, who serves as the International WELL Building Institute’s concept lead for light. “So most importantly, a healthy building is a people-first space. This means that the health and well-being of the people inside the building stays at the center of decision-making at all points.”

But that focus on people doesn’t have to come at the cost of building health. Green certification standards can be complementing if project owners think beyond them, explains Mahesh Ramanujam, outgoing president and CEO of the U.S. Green Building Council. “It’s a misnomer that LEED is about the environment only,” Ramanujam says.

LEED is a mindset, he explains. “LEED has been focused on people from Day 1 of its conception, and today it has become more apparent because of the

Green Certifications

Envision Certifications by Sector



Since 2013, 104 Envision-verified projects have been publicly announced worldwide, most in the water and transportation sectors. The largest portion, 33.6%, have been certified Platinum. Among U.S. states, California leads the way, with 27.8% of the U.S. total.

SOURCE: DATA PROVIDED BY THE INSTITUTE FOR SUSTAINABLE INFRASTRUCTURE; CHART BY ENR



“The dialogue is moving away from energy in favor of carbon as the primary driver.”

Greg Mella, Sustainability Director, SmithGroup

pandemic that LEED is not just a green building rating system.”

For many green design firms and contractors, the U.S. rejoining the Paris Agreement was the call to action their clients needed to seriously start thinking green.

“With the change in administration, we are seeing an ever-increasing focus on electrification and decarbonization, anticipating a 100% clean energy economy,” says Greg Mella, corporate director of sustainability at SmithGroup. “The dialogue is moving away from energy in favor of carbon as the primary driver. As the electrical grid gets greener, by 2050 the embodied carbon footprint of a building may be as much if not more than the operational carbon footprint.”

How To Read the Tables

Companies are ranked according to revenue for construction or design services generated in 2020 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.

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 and Green Advantage.

% of Total Revenue This percentage shows a firm’s total contracting revenue derived from green contracting, based on

its responses to the Top 400 Contractors survey and Top Green Contractors survey. NA = Did not submit a Top 400 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.

Multi-Residential 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	2021	2020	FIRM	ACC. STAFF	2020 GREEN REVENUE		RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTS.
					IN \$ MIL.	% OF TOTAL REVENUE									
1	1		GENSLER , Los Angeles, Calif.	1,394	924.14	70	62	2	4	4	4	2	6	6	2
2	2		AECOM , Los Angeles, Calif.	NA	730.00	9	15	11	5	4	0	0	0	3	59
3	3		ARUP , New York, N.Y.	161	379.45	89	20	6	8	8	1	1	7	21	29
4	4		HOK , St. Louis, Mo.	723	336.60	75	20	15	9	24	1	1	10	19	0
5	7		HDR , Omaha, Neb.	1,129	237.21	10	5	6	2	38	0	0	0	4	44
6	8		STANTEC INC. , Irvine, Calif.	326	227.58	13	17	6	25	23	2	1	4	14	1
7	10		HKS , Dallas, Texas	4,007	205.01	49	20	0	8	41	8	0	12	2	0
8	**		STANLEY CONSULTANTS , Muscatine, Iowa	4	201.29	99	4	10	0	1	0	0	0	7	78
9	5		SKIDMORE OWINGS & MERRILL , New York, N.Y.	314	190.10	56	40	16	5	5	1	10	0	18	5
10	11		DLR GROUP , Minneapolis, Minn.	301	184.60	66	16	9	42	3	6	0	11	6	0
11	14		ZGF ARCHITECTS LLP , Portland, Ore.	245	174.14	71	20	15	10	15	0	0	1	36	0
12	12		WSP USA , New York, N.Y.	1,651	150.00	7	3	3	1	5	0	1	0	0	87
13	13		CANNONDESIGN , New York City, N.Y.	280	150.00	56	3	0	37	60	0	0	0	0	0
14	19		KIMLEY-HORN , Raleigh, N.C.	133	147.47	12	5	0	0	0	0	65	0	0	30
15	17		BURNS & MCDONNELL , Kansas City, Mo.	198	128.09	7	2	40	4	0	0	0	0	26	28
16	23		NBBJ , Seattle, Wash.	232	112.10	50	70	4	2	22	0	0	2	0	0
17	18		SMITHGROUP , Detroit, Mich.	449	101.60	38	6	53	15	18	0	0	2	6	0
18	15		EYP ARCHITECTURE & ENGINEERING , Albany, N.Y.	142	101.04	81	0	17	16	66	0	0	0	0	0
19	**		BR+A CONSULTING ENGINEERS , Boston, Mass.	94	99.62	100	10	0	15	70	0	0	0	2	0
20	21		PERKINS&WILL , Chicago, Ill.	1,644	85.50	14	54	0	12	12	1	1	11	10	0
21	20		THORNTON TOMASETTI , New York, N.Y.	206	82.50	30	33	16	7	4	2	12	10	4	12
22	28		LITTLE DIVERSIFIED ARCHITECTURAL CONSULTING INC. , Charlotte, N.C.	135	63.37	100	58	3	14	14	0	0	9	2	0
23	22		BLACK & VEATCH , Overland Park, Kan.	NA	59.76	4	0	71	0	0	0	0	0	0	29
24	36		HASKELL , Jacksonville, Fla.	133	59.49	57	0	3	3	2	0	0	0	0	92
25	33		HGA , Minneapolis, Minn.	185	59.03	30	14	1	4	42	0	0	18	21	0
26	32		LMN ARCHITECTS , Seattle, Wash.	64	47.16	86	42	0	30	0	16	0	12	0	0
27	64		HORD COPLAN MACHT , Baltimore, Md.	114	44.33	53	0	0	88	5	0	7	0	0	0
28	49		BALLINGER , Philadelphia, Pa.	59	43.01	59	0	0	0	0	0	0	0	100	0
29	51		WALTER P MOORE , Houston, Texas	58	39.71	28	6	1	6	25	0	0	16	46	1
30	37		CORGAN , Dallas, Texas	109	39.38	20	20	0	0	0	0	0	0	50	29
31	29		FENTRESS ARCHITECTS , Denver, Colo.	45	39.00	100	5	13	0	0	3	0	5	74	0
32	35		ELKUS MANFREDI ARCHITECTS , Boston, Mass.	99	37.20	46	11	0	19	2	3	8	3	30	0
33	**		THE MILLER HULL PARTNERSHIP LLP , Seattle, Wash.	44	37.13	96	14	6	15	0	1	1	1	59	3
34	52		AFFILIATED ENGINEERS INC. , Madison, Wis.	167	34.58	22	2	23	18	49	0	0	1	0	8
35	54		SYSKA HENNESSY GROUP , New York, N.Y.	99	34.25	29	17	5	8	6	0	0	1	52	7
36	42		FLAD ARCHITECTS , Madison, Wis.	136	33.63	31	3	0	24	0	0	0	0	73	0
37	47		EWINGCOLE , Philadelphia, Pa.	80	32.70	30	1	16	7	35	0	0	8	0	34
38	**		SMITH SECKMAN REID INC. , Nashville, Tenn.	58	30.96	36	14	0	4	58	8	0	8	0	7
39	39		PERKINS EASTMAN , New York, N.Y.	328	30.70	12	1	2	44	30	1	5	0	1	0
40	61		NAC ARCHITECTURE , Spokane, Wash.	56	29.85	48	0	0	93	7	0	0	0	0	0
41	58		THE S/L/A/M COLLABORATIVE , Glastonbury, Conn.	55	29.50	43	18	0	43	39	0	0	0	0	0
42	55		KENDALL/HEATON ASSOCIATES INC. , Houston, Texas	10	28.25	91	99	0	0	0	0	0	1	0	0
43	34		HNTB COS. , Kansas City, Mo.	115	27.01	2	0	0	0	0	0	0	1	95	4
44	48		CLARK NEXSEN , Virginia Beach, Va.	97	25.80	30	12	41	47	0	0	0	0	0	0
45	41		AYERS SAINT GROSS , Baltimore, Md.	78	24.66	49	5	0	73	9	0	0	13	0	0
46	57		IMEG CORP. , Rock Island, Ill.	173	24.62	11	37	22	15	3	2	5	2	6	1
47	45		GOETTSCH PARTNERS , Chicago, Ill.	40	22.15	84	45	0	0	0	0	0	0	0	2
48	72		HMFH ARCHITECTS INC. , Cambridge, Mass.	27	21.06	99	0	0	100	0	0	0	0	0	0
49	60		VANDERWEIL ENGINEERS , Boston, Mass.	74	20.55	21	9	22	23	0	2	2	1	33	2
50	25		BEYER BLINDER BELLE ARCHITECTS AND PLANNERS LLP , New York, N.Y.	210	20.13	NA	12	12	26	0	0	8	15	0	0

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ZGF ARCHITECTS is collaborating with PAE Engineers on the PAE Living Building. It will be Portland's first and Oregon's largest living building.

RANK 2021	RANK 2020		ACC. STAFF	2020 GREEN REVENUE		RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTS.
				IN \$ MIL.	% OF TOTAL REVENUE									
51	73	GFF INC., Dallas, Texas	48	19.04	53	27	0	26	0	1	16	3	2	0
52	43	ADRIAN SMITH + GORDON GILL ARCHITECTURE, Chicago, Ill.	36	18.78	100	27	5	0	0	0	3	38	0	0
53	65	DAVIS BRODY BOND, New York, N.Y.	17	16.20	83	1	7	54	0	0	0	38	0	0
54	26	HMC ARCHITECTS, Ontario, Calif.	58	15.09	15	0	0	90	10	0	0	0	0	0
55	**	MAGNUSSON KLEMENCIC ASSOCIATES, Seattle, Wash.	18	15.02	27	39	1	3	5	7	7	6	16	0
56	88	ROBERT A.M. STERN ARCHITECTS, New York, N.Y.	15	14.82	27	5	21	56	0	0	4	14	0	0
57	69	GRIMM + PARKER ARCHITECTS, Calverton, Md.	44	14.24	53	0	0	78	2	0	4	4	0	0
58	27	CO ARCHITECTS, Los Angeles, Calif.	33	13.24	20	0	0	43	57	0	0	0	0	0
59	68	WDG ARCHITECTURE, Washington, D.C.	26	13.10	52	7	0	15	0	6	73	0	0	0
60	59	FXCOLLABORATIVE, New York, N.Y.	112	13.06	42	15	4	26	0	0	8	23	5	0
61	**	CALLISONRTKL, Baltimore, Md.	675	13.05	5	36	0	0	29	0	12	0	0	0
62	62	HASTINGS ARCHITECTURE LLC, Nashville, Tenn.	47	12.25	54	16	2	60	0	4	3	8	6	0
63	31	DESIMONE CONSULTING ENGINEERS, New York, N.Y.	24	12.15	22	12	2	1	9	5	60	6	3	2
64	82	MICHAEL BAKER INTERNATIONAL, Pittsburgh, Pa.	150	11.40	2	15	33	0	0	0	0	3	9	39
65	87	LIONAKIS, Sacramento, Calif.	70	11.10	25	0	45	23	0	0	0	0	32	0
66	77	DATTNER ARCHITECTS, New York, N.Y.	38	11.08	39	0	12	18	0	0	62	0	7	0
67	97	DEWBERRY, Fairfax, Va.	166	10.95	2	32	63	4	1	0	1	0	0	0
68	89	GWVO ARCHITECTS, Baltimore, Md.	17	10.56	50	0	0	98	0	0	0	2	0	0
69	70	DAY & ZIMMERMANN, Philadelphia, Pa.	55	9.20	18	0	100	0	0	0	0	0	0	0
70	81	SHP, Cincinnati, Ohio	34	9.00	50	0	0	100	0	0	0	0	0	0
71	80	LEGAT ARCHITECTS INC., Chicago, Ill.	39	8.69	50	2	11	74	11	2	0	0	0	0
72	79	DAVIS PARTNERSHIP ARCHITECTS, Denver, Colo.	76	7.83	20	9	0	13	10	0	40	0	0	0
73	**	EUA (EPPSTEIN UHEN ARCHITECTS INC.), Milwaukee, Wis.	43	7.83	15	46	0	0	8	8	3	0	0	35
74	**	WIGHT & CO., Darien, Ill.	54	7.77	23	0	18	66	0	0	1	12	0	3
75	67	KIRKSEY ARCHITECTS INC., Houston, Texas	57	7.66	17	37	13	47	0	0	0	3	0	0
76	44	GANNETT FLEMING, Camp Hill, Pa.	187	7.52	1	0	1	0	0	7	0	0	0	92
77	**	FANNING HOWEY ASSOCIATES INC., Celina, Ohio	24	7.00	32	0	0	100	0	0	0	0	0	0
78	**	GARY EDWARD HANDEL AND ASSOCIATES ARCHITECTS, New York, N.Y.	NA	6.56	14	35	0	3	7	0	55	0	0	0
79	24	HED, Southfield, Mich.	122	6.43	7	14	0	53	9	0	16	0	8	0
80	71	SASAKI, Watertown, Mass.	44	6.35	10	49	0	50	0	0	0	0	1	0
81	66	GRESHAM SMITH, Nashville, Tenn.	102	6.17	3	13	0	0	32	0	0	0	0	0
82	91	KOHN PEDERSEN FOX ASSOCIATES PC, New York, N.Y.	75	5.84	3	5	0	0	0	0	8	0	0	15
83	**	PSOMAS, Los Angeles, Calif.	119	5.68	4	0	15	54	16	0	0	0	0	15
84	100	CURTIS + GINSBERG ARCHITECTS LLP, New York, N.Y.	14	5.62	NA	0	0	0	0	0	33	0	0	0
85	**	LRK INC., Memphis, Tenn.	31	5.50	22	25	0	0	0	4	24	0	0	0
86	76	SMALLWOOD, Atlanta, Ga.	13	5.09	20	4	0	0	0	40	10	0	0	0
87	92	DLZ CORP., Columbus, Ohio	19	4.81	4	0	0	0	0	0	0	0	100	0
88	**	ARCHITECTURE INC., Reston, Va.	14	4.75	37	0	16	42	26	16	0	0	0	0
89	94	BAR ARCHITECTS, San Francisco, Calif.	27	4.73	26	0	0	0	0	9	60	8	0	0
90	**	CMTA INC., Prospect, Ky.	110	4.68	7	0	5	86	3	0	0	6	0	0
91	86	JCJ ARCHITECTURE, Hartford, Conn.	50	4.35	14	0	0	100	0	0	0	0	0	0
92	90	MBH ARCHITECTS, Alameda, Calif.	22	4.30	15	67	0	0	0	0	14	0	0	0
93	**	AKF GROUP, New York, N.Y.	49	4.30	7	40	0	14	33	0	14	0	0	0
94	**	AHL, Honolulu, Hawaii	32	3.71	13	3	83	11	0	0	3	0	0	0
95	**	CUNINGHAM GROUP ARCHITECTURE INC., Minneapolis, Minn.	67	3.55	4	0	0	12	57	0	31	0	0	0
96	**	QUATTROCCHI KWOK ARCHITECTS, Santa Rosa, Calif.	6	3.53	14	0	0	100	0	0	0	0	0	0
97	**	LORD AECK SARGENT, Atlanta, Ga.	45	3.44	NA	0	7	87	3	0	1	3	0	0
98	98	KAHLER SLATER, Milwaukee, Wis.	28	3.40	11	9	0	26	50	0	9	6	0	0
99	85	TLC ENGINEERING SOLUTIONS INC., Orlando, Fla.	79	3.20	5	25	9	31	31	2	0	2	0	0
100	**	BLAIR + MUI DOWD ARCHITECTS P.C., New York, N.Y.	9	3.08	42	0	0	0	100	0	0	0	0	0

RANK 2021	RANK 2020	FIRM	2020 GREEN REVENUE			MARKETS									
			ACC. STAFF	IN \$ MIL.	% OF TOTAL REVENUE	RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKT.	
1	1	THE TURNER CORP., New York, N.Y.	756	6,797.08	47	24	6	9	15	3	3	7	11	23	
2	2	CLARK GROUP, Bethesda, Md.	436	4,568.78	79	24	10	6	9	6	21	6	12	5	
3	3	SWINERTON, San Francisco, Calif.	168	4,390.00	87	29	0	7	10	8	14	2	7	24	
4	5	HENSEL PHELPS, Greeley, Colo.	556	3,502.63	60	4	34	4	4	2	2	0	42	8	
5	4	AECOM, Los Angeles, Calif.	NA	2,859.48	44	45	5	4	0	5	19	22	0	1	
6	8	CLAYCO, Chicago, Ill.	100	2,769.00	73	37	0	0	0	0	0	0	36	27	
7	9	GILBANE BUILDING CO., Providence, R.I.	343	2,740.80	43	30	5	34	7	1	7	3	6	6	
8	10	PCL CONSTRUCTION, Denver, Colo.	265	2,167.56	38	14	14	14	12	4	9	10	20	2	
9	14	STO BUILDING GROUP INC., New York, N.Y.	264	2,122.00	26	50	0	7	19	5	3	3	2	11	
10	6	SKANSKA USA, New York, N.Y.	263	2,038.95	31	16	0	24	7	0	1	3	23	27	
11	13	HOLDER CONSTRUCTION, Atlanta, Ga.	172	2,013.00	50	17	0	5	0	0	0	0	29	49	
12	7	THE WHITING-TURNER CONTRACTING CO., Baltimore, Md.	292	1,961.16	22	30	4	23	11	2	9	5	0	5	
13	18	DPR CONSTRUCTION, Redwood City, Calif.	517	1,685.92	26	28	0	28	7	3	0	0	0	34	
14	15	HATHAWAY DINWIDDIE CONSTRUCTION CO., San Francisco, Calif.	138	1,530.08	80	72	1	7	4	4	0	12	0	0	
15	12	LENDLEASE, New York, N.Y.	133	1,365.10	55	19	31	0	4	0	41	0	0	5	
16	11	WEBCOR, San Francisco, Calif.	156	1,237.18	82	17	6	12	0	4	27	0	6	6	
17	27	BRASFIELD & GORRIE L.L.C., Birmingham, Ala.	NA	1,080.12	27	42	13	0	13	5	5	7	0	15	
18	33	CONSIGLI CONSTRUCTION CO. INC., Milford, Mass.	77	1,008.05	58	17	0	37	2	4	16	22	1	1	
19	24	COASTAL CONSTRUCTION GROUP, Miami, Fla.	14	908.00	87	18	0	2	0	15	65	0	0	0	
20	43	DAVID E. HARVEY BUILDERS INC., Houston, Texas	NA	876.41	51	62	12	0	0	3	7	0	6	0	
21	20	MORTENSON, Minneapolis, Minn.	148	861.95	18	23	0	2	0	9	0	44	0	22	
22	28	THE WALSH GROUP, Chicago, Ill.	350	857.36	16	0	15	3	0	0	20	0	24	37	
23	30	HANOVER CO., Houston, Texas	42	801.00	99	0	0	0	0	0	66	0	0	0	
24	22	AUSTIN INDUSTRIES, Dallas, Texas	41	782.13	37	5	0	0	0	2	3	21	69	0	
25	19	JAMES G. DAVIS CONSTRUCTION CORP., Rockville, Md.	41	746.24	75	67	0	6	4	0	23	0	0	0	
26	39	ADOLFSON & PETERSON CONSTRUCTION, Minneapolis, Minn.	183	743.58	61	48	5	17	8	0	9	4	2	7	
27	17	JE DUNN CONSTRUCTION GROUP, Kansas City, Mo.	329	702.75	17	30	9	13	26	0	11	3	7	2	
28	35	BL HERBERT INTERNATIONAL, Birmingham, Ala.	NA	644.66	54	0	92	0	8	0	0	0	0	0	
29	29	MCCARTHY HOLDINGS INC., St. Louis, Mo.	340	612.16	13	8	0	34	36	0	0	8	0	15	
30	36	BERNARDS, San Fernando, Calif.	51	569.80	82	0	6	22	30	0	22	1	8	0	
31	32	CADDELL CONSTRUCTION CO. (DE) LLC, Montgomery, Ala.	20	560.51	69	0	81	0	3	0	8	0	8	0	
32	59	J.T. MAGEN & CO. INC., New York, N.Y.	10	557.71	40	93	0	0	0	7	0	0	0	0	
33	44	CAHILL CONTRACTORS, San Francisco, Calif.	35	552.50	100	10	0	6	0	1	78	3	3	0	
34	31	LEVEL 10 CONSTRUCTION, Sunnyvale, Calif.	53	550.70	68	73	0	0	1	0	0	0	0	0	
35	16	HOFFMAN CONSTRUCTION, Portland, Ore.	105	546.00	21	8	5	64	2	0	0	0	0	12	
36	45	HASKELL, Jacksonville, Fla.	133	535.22	50	0	3	3	2	0	0	0	0	92	
37	34	HITT CONTRACTING INC., Falls Church, Va.	76	491.94	20	28	19	0	3	0	11	0	0	38	
38	37	AVALONBAY COMMUNITIES INC., Arlington, Va.	16	481.00	67	0	0	0	0	0	100	0	0	0	
39	61	SHAWMUT DESIGN AND CONSTRUCTION, Boston, Mass.	NA	421.55	34	11	0	76	1	13	0	0	0	0	
40	54	NIBBI BROTHERS GENERAL CONTRACTORS, San Francisco, Calif.	20	413.86	99	7	0	0	0	0	93	0	0	1	
41	23	FORTIS CONSTRUCTION INC., Portland, Ore.	60	412.00	35	0	0	9	0	0	0	0	5	86	
42	53	BIG-D CONSTRUCTION, Salt Lake City, Utah	164	407.90	27	0	0	0	4	10	0	0	87	0	
43	57	THE YATES COS. INC., Philadelphia, Miss.	73	399.30	15	51	3	0	16	18	1	1	0	10	
44	40	PEPPER CONSTRUCTION, Chicago, Ill.	118	378.65	30	36	0	39	4	0	1	16	0	4	
45	41	OKLAND CORP., Salt Lake City, Utah	NA	347.90	22	26	0	24	24	0	0	0	26	0	
46	79	DUKE CONSTRUCTION, Indianapolis, Ind.	15	336.00	49	0	0	0	0	0	0	0	100	0	
47	55	SUNDT CONSTRUCTION INC., Tempe, Ariz.	110	333.76	22	11	12	12	0	0	2	6	29	28	
48	**	BNBUILDERS INC., Seattle, Wash.	51	329.00	40	53	12	26	0	4	0	0	5	0	
49	52	BALFOUR BEATTY US, Dallas, Texas	117	325.66	6	20	3	18	0	28	16	1	0	15	
50	71	CHOATE CONSTRUCTION CO., Atlanta, Ga.	77	312.57	29	77	0	0	0	0	7	0	15	1	

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HASKELL recently completed construction on Norwegian Cruise Line's PortMiami Terminal B, built to LEED Gold standards.

RANK 2021	RANK 2020	FIRM	ACC. STAFF	2020 GREEN REVENUE			REVENUE BY SECTOR									
				IN \$ MIL.	% OF TOTAL REVENUE	RETAIL / OFFICE	GOVERNMENT OFFICE	EDUCATION	HEALTH CARE	HOTEL	MULTI-RESIDENTIAL	ENTERTAINMENT / CIVIC	OTHER BUILDINGS	OTHER MKTS.		
51	51	GRUNLEY CONSTRUCTION CO. INC., Rockville, Md.	22	302.00	74	13	38	11	1	0	1	37	0	0		
52	60	SELLEN CONSTRUCTION, Seattle, Wash.	34	272.86	45	35	0	0	64	2	0	0	0	0		
53	69	FONTAINE BROS. INC., Springfield, Mass.	8	263.50	100	0	0	99	0	0	0	1	0	0		
54	47	CHINA CONSTR. AMERICA/PLAZA CONSTR., Jersey City, N.J.	NA	241.09	26	28	10	0	0	0	9	0	52	0		
55	50	DIMEO CONSTRUCTION CO., Providence, R.I.	98	239.80	53	20	19	39	2	3	15	1	0	0		
56	56	MANHATTAN CONSTRUCTION GROUP, Tulsa, Okla.	45	230.18	16	8	6	38	1	0	46	1	0	0		
57	63	HARPER CONSTRUCTION CO. INC., San Diego, Calif.	4	210.87	78	0	13	23	0	0	10	0	54	0		
58	65	WALSH CONSTRUCTION CO., Portland, Ore.	72	210.28	NA	21	0	10	0	0	54	0	0	0		
59	77	GE JOHNSON, Colorado Springs, Colo.	22	196.26	33	0	0	47	35	0	1	17	0	0		
60	26	GLY CONSTRUCTION, Bellevue, Wash.	27	189.70	32	96	0	0	0	0	0	0	0	4		
61	**	MARTIN-HARRIS CONSTRUCTION LLC, Las Vegas, Nev.	8	180.20	34	0	20	0	0	64	17	0	0	0		
62	67	PJ DICK - TRUMBULL - LINDY PAVING, Pittsburgh, Pa.	15	179.68	17	42	0	35	5	0	0	1	0	0		
63	**	COLUMBIA, North Reading, Mass.	26	178.30	64	4	0	10	0	0	28	0	0	59		
64	93	IMC CONSTRUCTION, Malvern, Pa.	29	178.00	42	2	0	0	92	0	6	0	0	0		
65	74	WALBRIDGE, Detroit, Mich.	59	174.00	9	0	0	49	0	0	0	0	0	51		
66	83	PLANT CONSTRUCTION CO. LP, San Francisco, Calif.	33	173.37	44	62	0	29	0	0	0	9	0	0		
67	66	W. M. JORDAN CO., Newport News, Va.	58	171.96	27	18	3	79	0	0	0	0	0	0		
68	70	JACOBSEN CONSTRUCTION CO. INC., West Valley City, Utah	40	171.67	27	17	0	0	69	0	0	13	0	0		
69	76	C.W. DRIVER COS., Pasadena, Calif.	28	170.84	28	61	0	38	0	0	0	1	0	0		
70	64	EXXEL PACIFIC INC., Bellingham, Wash.	38	148.23	45	0	0	1	0	0	23	0	0	0		
71	72	MASCARO CONSTRUCTION CO. LP, Pittsburgh, Pa.	27	143.32	41	0	39	8	51	0	0	1	0	0		
72	85	ROBINS & MORTON, Birmingham, Ala.	84	135.52	11	0	9	5	86	0	0	0	0	0		
73	80	C. H. NICKERSON & CO. INC., Torrington, Conn.	2	134.90	100	0	0	0	0	0	0	0	0	100		
74	62	O&G INDUSTRIES INC., Torrington, Conn.	7	131.67	31	0	0	98	0	0	0	0	0	1		
75	**	CLANCY & THEYS CONSTRUCTION, Raleigh, N.C.	20	128.06	20	61	0	2	0	0	36	1	0	0		
76	**	JRM CONSTRUCTION MANAGEMENT, New York, N.Y.	16	120.00	18	100	0	0	0	0	0	0	0	0		
77	58	SAUNDERS CONSTRUCTION INC., Englewood, Colo.	43	114.73	30	23	0	49	0	0	0	6	13	8		
78	75	BARTON MALOW HOLDINGS LLC, Southfield, Mich.	78	113.32	5	0	0	83	0	0	0	17	0	0		
79	**	THE KORTE CO., Highland, Ill.	8	112.18	36	9	41	0	0	0	23	0	27	0		
80	89	COAKLEY & WILLIAMS CONSTRUCTION, Bethesda, Md.	14	110.60	50	0	0	0	69	3	0	29	0	0		
81	86	COMMODORE BUILDERS, Waltham, Mass.	29	90.33	34	20	80	0	0	0	0	0	0	0		
82	68	O'NEIL INDUSTRIES INC., Chicago, Ill.	30	86.37	11	64	0	34	1	0	0	1	0	0		
83	73	E.W. HOWELL CO. LLC, Plainview, N.Y.	20	84.58	29	0	0	42	58	0	0	0	0	0		
84	97	BRADBURY STAMM CONSTRUCTION INC., Albuquerque, N.M.	15	76.57	29	0	39	53	8	0	0	0	0	0		
85	**	BURNS & MCDONNELL, Kansas City, Mo.	198	67.93	4	50	6	0	0	0	0	0	3	41		
86	95	C. OVERAA & CO., Richmond, Calif.	7	62.86	18	0	5	87	0	0	1	1	6	0		
87	92	KRAUS-ANDERSON CONSTRUCTION CO., Minneapolis, Minn.	59	62.00	14	0	16	65	0	10	0	0	10	0		
88	98	HASELDEN CONSTRUCTION, Centennial, Colo.	142	50.91	17	35	0	65	0	0	0	0	0	0		
89	84	RYCON CONSTRUCTION INC., Pittsburgh, Pa.	21	49.40	11	42	0	25	0	0	33	0	0	0		
90	**	T N WARD CO., Ardmore, Pa.	8	37.37	18	33	0	0	0	67	0	0	0	0		
91	88	GRAY CONSTRUCTION, Lexington, Ky.	37	37.19	2	1	0	0	0	0	0	0	0	99		
92	**	THE KOKOSING GROUP OF COS., Westerville, Ohio	32	37.05	2	0	4	14	29	0	0	0	0	53		
93	100	CLARK CONSTRUCTION CO., Lansing, Mich.	15	35.00	7	0	0	100	0	0	0	0	0	0		
94	90	J.H. FINDORFF & SON INC., Madison, Wis.	26	34.20	4	48	0	0	34	0	18	0	0	0		
95	**	J.M. THOMPSON, Raleigh, N.C.	3	21.90	49	100	0	0	0	0	0	0	0	0		
96	94	ROCKFORD CONSTRUCTION CO, Grand Rapids, Mich.	19	17.40	4	27	0	2	1	70	0	0	0	0		
97	**	LEOPARDO COS., Hoffman Estates, Ill.	25	16.52	5	100	0	0	0	0	0	0	0	0		
98	**	GARMANN/MILLER & ASSOCIATES INC., Minster, Ohio	8	7.40	NA	0	0	100	0	0	0	0	0	0		
99	**	TARLTON CORP., St. Louis, Mo.	12	5.46	3	10	0	69	21	0	0	0	0	0		
100	**	BLACK & VEATCH, Overland Park, Kan.	NA	5.09	1	0	66	0	0	0	0	0	0	34		