ENR

THE TOP 200 ENVIRONMENTAL FIRMS

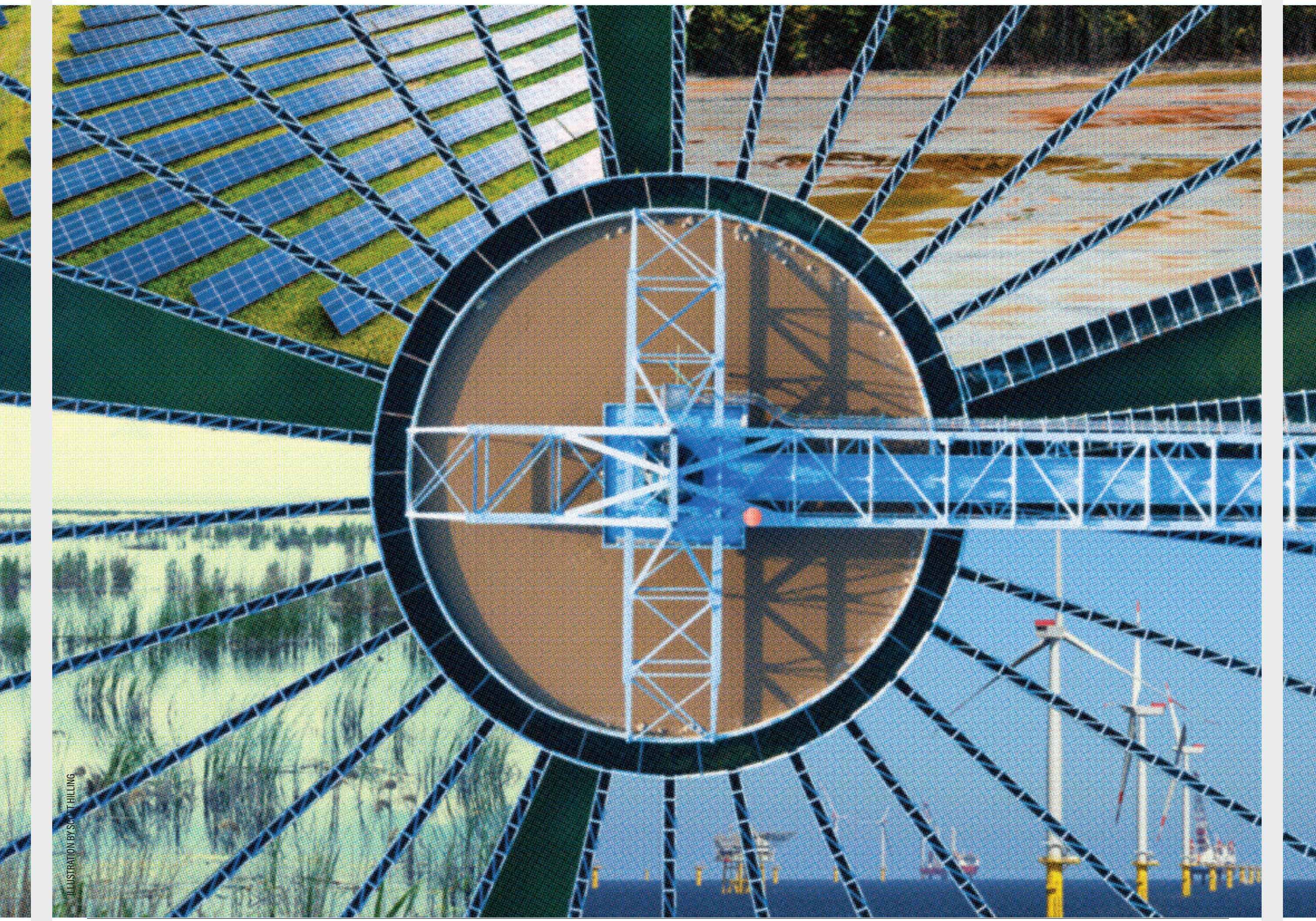


ILLUSTRATION BY SCOTT HILLING

Coping With Market Give and Take

Firms' revenue hits new peak with elevated environmental priorities, new funds and sector consolidation, but key risks still hover. By Debra K. Rubin, with Mary B. Powers

ENR THE TOP 200
ENVIRONMENTAL FIRMS

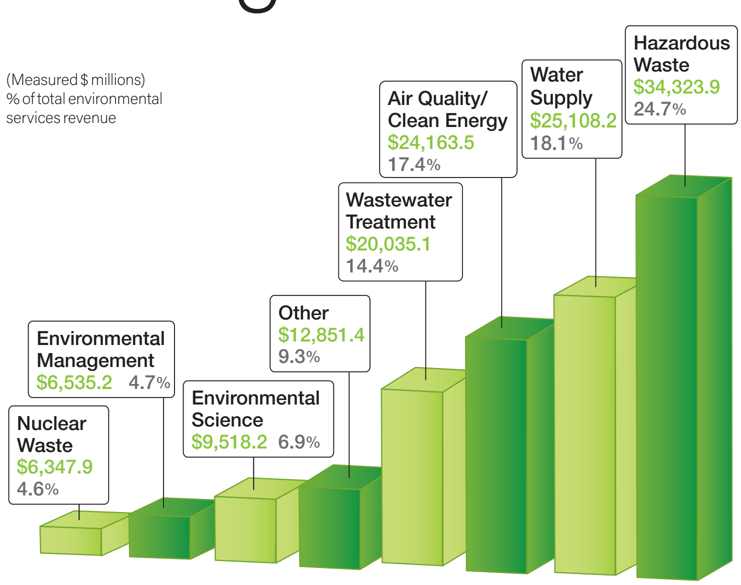
It looks like things couldn't be better for the Top 200 Environmental Firms, based on 2023 list financials and commentary. Total revenue accelerated last year, as did optimism about boosted environmental and climate priorities and funding, with owners and governments moving faster to address immediate and longer-term challenges. But economic and performance headwinds still loom for firms turning projects, even if well-intentioned and fully capitalized, into doable and profitable realities.

Carlson Environmental Consultants revenue is up by 40% so far this year, says Kristofer L. Carlson, president of the solid waste and renewable energy specialist ranked at No. 159. "But market instability and high prices and wages make it hard to predict profit. Larger clients are increasing payment terms to 75 days and contract negotiations are difficult with little price increase." He adds: "There is lots of work out there, but is the juice worth the squeeze?"

Pushed by the enactment last year of the $369-billion Inflation Reduction Act and further market penetration of funding from the year-earlier infrastructure investment law—as well as by U.S. private sector commitment to the energy transition and climate sustainability and similar global actions—total Top 200 revenue reached $138.9 billion in 2022, with the non-U.S. component climbing again, to $65.6 billion.

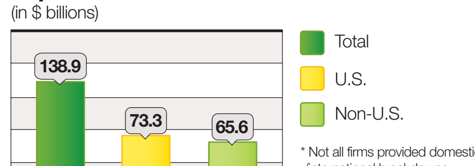
"The economics of climate change and energy transition are creating significant opportunities," says Kurt Beil, Americas environment market leader for Australia-based design firm GHD. "As markets influence the decarbonization agenda and the insurance industry rethinks its model to support areas that are prone to climate risk, [we] must respond with solutions that rise

Looking at Markets



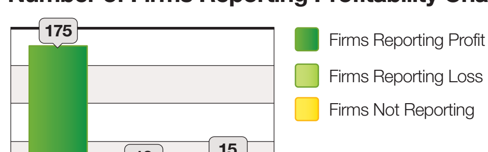
SOURCE: ENR DATA

Top 200 Environmental Firms' Revenue
(in $ billions)



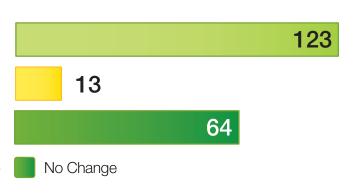
* Not all firms provided domestic /international breakdowns.
Source: ENR DATA

Number of Firms Reporting Profitability Change



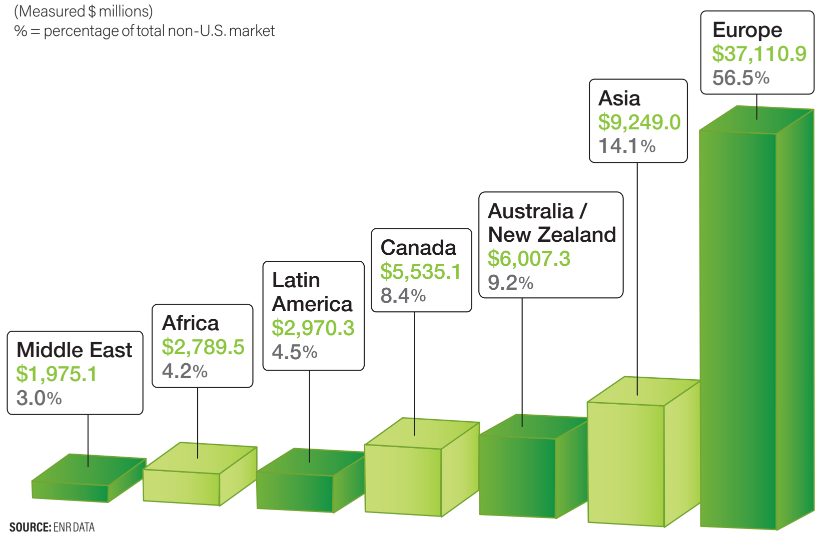
Source: ENR DATA

Environmental Firms Reporting Backlog Changes
(According to firms reporting)



Source: ENR DATA

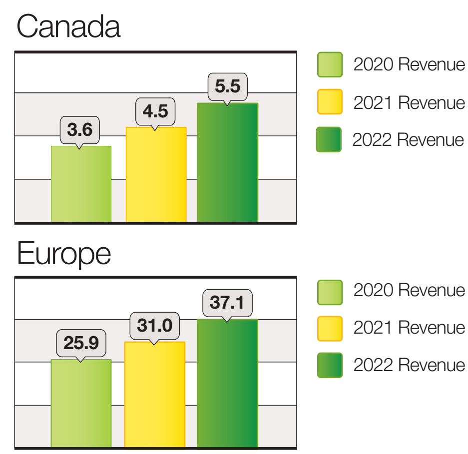
Looking at Global Regions



SOURCE: ENR DATA

Revenue Trends: Regions

(Measured $ billions)



to these significant global challenges." Consultant RJN Group Inc. "is focused almost entirely on the environmental services market and 2022 was a strong year," says CEO Paul Costa. Despite its move up the list, he says "the largest challenges continue to be a very competitive labor market and a very small available talent pool."

'Volume Dynamics'

France-based Veolia Group widened its list dominance, reporting $45.2 billion in Top 200-criteria revenue from global water and waste sector work that includes gains from its purchase last year of most of water management rival Suez Environment. Veolia revenue "grew by 50% in 2022, driven by good volume dynamics, low sensitivity to economic conditions and effective implementation" of synergies from Suez, says CEO Estelle Brachlianoff. She says the integration added $10 billion to the firm's global revenue. Growth by acquisition also worked for consultant Tetra Tech, the winner last year in a bidding shootout with WSP Global to buy formerly Top 200-ranked U.K. consultant RPS Group. The perseverance helped boost Tetra Tech revenue to $4.2 billion on the 2023 list, from $3.3 billion last year.

AECOM retains its number two spot on the Top 200, with its reported environmental services revenue making up 66% of its 2022 gross total. "We've had solid growth in environmental consulting across all client sectors," says Frank Sweet, head of its global environmental business. "For example, by carbon modeling transportation projects, we could take carbon out of a bridge design. This is a period of unprecedented growth. Last time I saw growth like this was after Superfund

Top 200 Newcomer | By Mary B. Powers

Solar is SOLV Energy Bright Spot

PHOTO COURTESY OF SOLV ENERGY

SOLV Energy, which began as the renewable energy unit of California contractor Swinerton, is this year's highest-ranking Top 200 newcomer at **No. 12**, and has grown to become the largest U.S. builder of utility-scale solar power projects. It became a standalone firm in a 2021 merger with SOLV Inc. to form a full service design, construction, operations and maintenance provider.

SOLV Energy is extending beyond its traditional southwest focus. "We're starting to see much more work in the Midwest," says CEO George Hershman, the former Swinerton unit president who also chairs trade group Solar Energy Industries Association. The region makes up about 30% of the U.S. solar market despite the greater weather condition risks builders are learning to control. "We believe in those markets and want to operate successfully," Hershman says. Most projects are 200 MW to 500 MW, but demand and new federal tax incentives have pushed some over 1 GW, he says. Developers also are adding energy storage. The firm now is building the first 400-MW phase of a 1.3-GW solar project in northwest Indiana (above). SOLV Energy offers consulting for building smaller projects, a niche that is 22% of its business. Hershman sees federal credits and the energy transition propelling both short- and long-term growth. For more customers, "climate does matter," he says.

But with most U.S. solar project components still imported from Asia, deliveries can be uncertain and there is still confusion over domestic content for a project to qualify for tax credits. While tariffs on some Asian imports are waived until June 2024, the waivers will not be extended past that date. U.S. solar manufacturing is growing but it is "not there yet," Hershman says. "It's our hope and the industry's hope that it will be there in a few years," he adds.

The Top Firms by Market Segment

HAZARDOUS WASTE

Top 20 Revenue: $29.0 Billion
Share of Total Sector Revenue: 84.5%

2023	2022		$ MIL.
1	1	VEOLIA SA	14,470.3
2	2	CLEAN HARBORS INC.	4,133.3
3	3	AECOM	1,855.3
4	8	WSP GLOBAL INC.	1,255.8
5	4	JACOBS SOLUTIONS INC	804.6
6	6	CLEAN EARTH	789.7
7	5	HARSCO ENVIRONMENTAL	787.0
8	7	BECHTEL	738.8
9	11	TRADEBE ENVIRONMENTAL SERVICES	548.0
10	10	ARCADIS NV	533.2
11	13	SCS ENGINEERS	438.8
12	12	GHD GROUP	402.9
13	15	LEIDOS INC.	347.0
14	**	BURNS & MCDONNELL	285.6
15	20	GEOSYNTEC CONSULTANTS	284.5
16	**	STANTEC INC.	282.5
17	19	ERM	277.3
18	16	SEVENSON ENVIRONMENTAL SERVICES	271.0
19	17	RAMBOLL	255.2
20	**	APTIM	237.9

WATER TREATMENT/SUPPLY

Top 20 Revenue: $20.73 Billion
Share of Total Sector Revenue: 82.5%

2023	2022		$ MIL.
1	1	VEOLIA SA	9,044.0
2	2	TETRA TECH INC.	2,035.2
3	3	LARSEN & TOUBRO LTD.	1,762.9
4	8	AECOM	1,080.1
5	4	JACOBS SOLUTIONS INC.	854.9
6	7	GARNEY HOLDING CO.	808.9
7	**	KIEWIT CORP.	773.4
8	13	WSP GLOBAL INC.	558.1
9	6	STANTEC INC.	541.2
10	12	THE WALSH GROUP	474.1
11	10	ARCADIS NV	378.1
12	14	PCL CONSTRUCTION ENTERPRISES INC.	319.1
13	**	ADOLFSON & PETERSON CONSTR.	308.4
14	11	BECHTEL	295.5
15	15	HDR	280.5
16	9	CDM SMITH	280.3
17	16	BLACK & VEATCH	258.3
18	**	SOUTHLAND HOLDINGS	254.6
19	18	MOTT MACDONALD GROUP LTD.	215.3
20	**	HASSAN ALLAM HOLDING	202.9

WASTEWATER TREATMENT

Top 20 Revenue: $14.73 Billion
Share of Total Sector Revenue: 73.5%

2023	2022		$ MIL.
1	1	VEOLIA SA	7,687.4
2	6	GARNEY HOLDING CO.	648.5
3	3	JACOBS SOLUTIONS INC.	553.2
4	12	WSP GLOBAL INC.	511.6
5	2	KIEWIT CORP.	506.2
6	**	HASSAN ALLAM HOLDING	502.7
7	7	AECOM	444.2
8	5	STANTEC INC.	376.1
9	9	THE WALSH GROUP	372.5
10	16	SUNDT CONSTRUCTION INC.	368.0
11	10	CDM SMITH	315.3
12	15	HDR	307.2
13	17	BLACK & VEATCH	300.9
14	18	WHARTON-SMITH INC.	299.0
15	14	BROWN AND CALDWELL	298.2
16	19	MOTT MACDONALD GROUP LTD.	271.0
17	8	MWH	263.7
18	13	WEBUILD SPA	256.0
19	20	LYLES CONSTRUCTION GROUP	235.5
20	**	CAROLLO ENGINEERS	217.6

AIR QUALITY/CLEAN ENERGY

Top 20 Revenue: $19.19 Billion
Share of Total Sector Revenue: 79.4%

2023	2022		$ MIL.
1	1	VEOLIA SA	4,974.2
2	2	AECOM	3,649.7
3	**	SOLV ENERGY	1,886.7
4	5	WEBUILD SPA	1,666.0
5	4	MORTENSON	1,619.3
6	6	BURNS & MCDONNELL	1,292.6
7	3	LARSEN & TOUBRO LTD.	1,256.2
8	**	MCCARTHY HOLDINGS INC.	1,124.4
9	7	BLACK & VEATCH	982.3
10	**	HASKELL	738.6

NUCLEAR WASTE

Top 20 Revenue: $5.93 Billion
Share of Total Sector Revenue: 93.4%

2023	2022		$ MIL.
1	1	FLUOR	1,742.7
2	2	JACOBS SOLUTIONS INC	1,257.2
3	4	AMENTUM	1,200.2
4	3	BECHTEL	480.2
5	5	VEOLIA SA	452.2
6	6	SNC-LAVALIN INC.	233.0
7	7	LEIDOS INC.	162.2
8	**	WSP GLOBAL INC.	139.5
9	8	ASRC INDUSTRIAL	134.7
10	9	APTIM	130.1

ENVIRON. MANAGEMENT

Top 20 Revenue: $4.28 Billion
Share of Total Sector Revenue: 65.5%

2023	2022		$ MIL.
1	1	TETRA TECH INC.	848.0
2	2	ERM	707.0
3	3	WSP GLOBAL INC.	697.7
4	4	ARCADIS NV	421.7
5	10	TRC COS. INC.	362.9
6	5	AECOM	348.4
7	6	ANTEA GROUP NV	268.0
8	7	JACOBS SOLUTIONS INC.	251.4
9	9	APTIM	205.2
10	**	ATLAS TECHNICAL CONSULTANTS	172.5

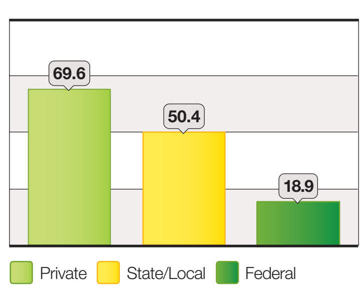
ENVIRONMENTAL SCIENCE

Top 20 Revenue: $6.97 Billion
Share of Total Sector Revenue: 73.2%

2023	2022		$ MIL.
1	2	AECOM	1,332.7
2	3	TETRA TECH INC.	1,187.2
3	5	WSP GLOBAL INC.	1,116.2
4	4	JACOBS SOLUTIONS INC.	1,005.8
5	6	HDR	654.4
6	**	STANTEC INC.	517.4
7	7	WEEKS MARINE INC.	361.3
8	9	ERM	332.7
9	10	ICF	237.3
10	**	GHD GROUP	226.1

** INDICATES FIRM DID NOT RANK ON 2022 LIST

Top 200 Environmental Firms Revenue By Client (in $ billions)



SOURCE: ENR DATA

passed." The federal toxic waste cleanup program law took effect in 1980.

Rising Tides

AECOM also is among listed firms reporting more work in air quality and clean energy niches—boosting that segment revenue to $24.2 billion, or 17.4% of the 2023 Top 200 total—from $18.3 billion, or 16.3% last year. SCS Engineers CEO James J. Walsh says its renewable natural gas engineer-procure-construct projects "grew substantially" in 2022.

#07 **TETRA TECH** hiked 2022 Top 200 revenue in successfully outbidding WSP for the $691-million buy of U.K.-based RPS Group, formerly on the list.

The Top Firms by Type of Client

PRIVATE

Top 20 Revenue: $44.47 Billion
Share of Total Sector Revenue: 63.9%

2023	2022		$ MIL.
1	1	VEOLIA SA	21,253.3
2	2	AECOM	5,609.6
3	3	CLEAN HARBORS INC.	4,959.9
4	4	WSP GLOBAL INC.	2,790.6
5	**	SOLV ENERGY	1,886.7
6	**	BURNS & MCDONNELL	1,729.1
7	6	TETRA TECH INC.	1,696.0
8	5	MORTENSON	1,617.6
9	8	JACOBS SOLUTIONS INC.	1,569.0
10	7	ERM	1,358.6

** INDICATES FIRM DID NOT RANK ON 2022 LIST

STATE/LOCAL

Top 20 Revenue: $36.24 Billion
Share of Total Sector Revenue: 71.9%

2023	2022		$ MIL.
1	1	VEOLIA SA	23,514.3
2	4	AECOM	2,526.0
3	5	WEBUILD SPA	2,140.9
4	3	JACOBS SOLUTIONS INC.	1,855.6
5	2	LARSEN & TOUBRO LTD.	1,462.0
6	7	GARNEY HOLDING CO.	1,210.7
7	9	TETRA TECH INC.	1,060.0
8	**	WSP GLOBAL INC.	930.2
9	8	KIEWIT CORP.	904.8
10	**	THE WALSH GROUP	635.0

FEDERAL

Top 20 Revenue: $14.19 Billion
Share of Total Sector Revenue: 75.1%

2023	2022		$ MIL.
1	1	LARSEN & TOUBRO LTD.	3,462.4
2	6	AMENTUM	1,800.3
3	2	FLUOR	1,742.7
4	3	JACOBS SOLUTIONS INC.	1,604.2
5	5	TETRA TECH INC.	1,484.0
6	4	BECHTEL	1,182.1
7	7	LEIDOS INC.	959.1
8	8	WSP GLOBAL INC.	930.2
9	9	AECOM	574.9
10	**	VEOLIA SA	452.2

The Top Firms by Type of Work

CONSTRUCT/REMEDIATION

Top 20 Revenue: $17.36 Billion
Share of Total Sector Revenue: 48.7%

2023	2022		$ MIL.
1	1	LARSEN & TOUBRO LTD.	5,177.7
2	**	SOLV ENERGY	1,830.1
3	3	VEOLIA SA	1,808.8
4	2	MORTENSON	1,627.3
5	6	GARNEY HOLDING CO.	1,457.4
6	7	JACOBS SOLUTIONS INC.	1,297.4
7	9	KIEWIT CORP.	1,219.4
8	5	BECHTEL	1,071.3
9	4	FLUOR	975.8
10	**	BLACK & VEATCH	897.0

ENGINEERING/DESIGN

Top 20 Revenue: $9.54 Billion
Share of Total Sector Revenue: 55.9%

2023	2022		$ MIL.
1	1	AECOM	2,168.9
2	4	FLUOR	1,178.3
3	3	JACOBS SOLUTIONS INC.	945.4
4	**	WSP GLOBAL INC.	930.2
5	5	STANTEC INC.	913.6
6	6	TETRA TECH INC.	848.0
7	8	ARCADIS NV	677.8
8	7	MOTT MACDONALD GROUP LTD.	631.2
9	10	BECHTEL	628.0
10	**	BLACK & VEATCH	620.5

CONSULTING/STUDIES

Top 20 Revenue: $16.34 Billion
Share of Total Sector Revenue: 72.2%

2023	2022		$ MIL.
1	4	AECOM	3,623.6
2	2	TETRA TECH INC.	3,392.0
3	3	WSP GLOBAL INC.	3,255.7
4	1	JACOBS SOLUTIONS INC.	2,484.2
5	5	ERM	1,039.8
6	6	STANTEC INC.	666.0
7	7	ICF	526.3
8	8	HDR	480.8
9	10	ARCADIS NV	466.9
10	9	GHD GROUP	404.8

** INDICATES FIRM DID NOT RANK ON 2022 LIST

CM/PM

Top 20 Revenue: $8.73 Billion
Share of Total Sector Revenue: 70.9%

2023	2022		$ MIL.
1	1	AECOM	2,465.1
2	2	WEBUILD SPA	2,160.3
3	3	MCCARTHY HOLDINGS INC.	1,288.2
4	4	CLEAN HARBORS INC.	775.0
5	9	BURNS & MCDONNELL	481.9
6	5	ARCADIS NV	361.5
7	10	TRC COS. INC.	329.0
8	**	ADOLFSON & PETERSON CONSTR.	308.4
9	**	AMENTUM	300.1
10	**	SNC-LAVALIN INC.	260.7

"The challenge of energy transition creates an interesting opportunity," says GHD's Beil. "Whether [environmental firms] do front-end planning and assessment or remediation of transitioning assets, they will play a critical role in the transition."

For Sundt Construction, which rose 11 places on this year's list, environmental project revenue "grew as a result of the high demand for responsible water use and reuse as well as the push and initiatives for clean energy sources," says G. Michael Hoover, its CEO. Opportunities for such firm services "will increase significantly in 2024," he says.

Frank Renda, CEO of water infrastructure contractor Southland Holdings, which launched a company growth strategy last year by going public on the Nasdaq stock exchange, says, "Demand for environmental design, engineering and construction is at a record high, and we do not see a change in this for the foreseeable future." For Michael Baker International, "larger capital projects that had been delayed pending funding are moving forward along with the environmental services they require, including permitting, studies and review," says CEO Brian Lutes. "While still limited, we see this as an area of growing interest" to investors.

Woodard & Curran CEO Alyson Watson also notes movement of projects "previously on the back burner," as well as "significant growth in our contract operations business, as both public and private-sector clients continue to be plagued by difficulties finding staff and meeting regulations." The consultant "sees all of this continuing over the next 12 months," she adds.

Even as Top 200 firms watch market trends, risks and opportunities ahead, this year's ten highest ranking companies all managed to clear $2 billion in environmental services revenue for the first time. In addition, the number of participants reporting revenue of $1 billion or more now extends to the top 25, up from 20 last

Top 200 Firm in Focus | By Mary B. Powers

Phillips & Jordan Goes With Flows

Water supply projects have been part of the Phillips & Jordan **(No. 79)** portfolio since its founding in the 1940s, but growing needs drove its revenue and backlog up last year, says Gerry Arvidson, president of the contractor's civil division. "We had a strong growth objective in water in the Southeast and have been able to capitalize on our strategy," he says.

P&J has six active restoration projects in the Florida Everglades and is completing phase one of the state C-51 reservoir project (above), an alternative south Florida water supply project designed to capture excess stormwater that will replenish aquifers—allowing withdrawal of 35 million gallons per day by eight municipal water utilities. Phase one, which includes engineered levees and concrete spillways, will provide 14,000 acre-ft of storage that also could combat saltwater intrusion. Phase two, which is set to provide 46,000 acre-ft more storage capacity, gained a \$65-million state budget boost last year. "We've been adding reservoirs in the area since 2004," Arvidson says.

The firm had an \$80-million Everglades canal project win blocked by a federal judge last year in a losing bidder's protest against its U.S. Army Corps of Engineers evaluation. Arvidson did not elaborate but said "the issue was ultimately resolved and we began work again in late 2022." P&J also is building water treatment plants for reshored energy transition manufacturing facilities—such as Ford Motor's electric vehicle and battery campus in Tennessee.

With 20 years of disaster response experience—including restoration work after the 2010 BP oil platform collapse spill in 2010, and from Hurricanes Katrina, Rita and Andrew—P&J is pursuing coastal resilience projects in Texas and Louisiana and working with southeast utilities such as Southern Co. to close ash impoundments at retired coal-fired power plants. Arvidson sees more work as a result of weather pattern changes. "We've been upgrading spillways and dams to withstand a maximum probability flood," he says.

PHOTO: COURTESY PHILLIPS & JORDAN

year. Burns & McDonnell, which reports \$1.9 billion in 2022 Top 200 revenue that elevates it to No. 11 from No. 21 last year, points to design and construction growth in both its renewables and remediation niches.

Legacy Cleanup

Expanded efforts by the Biden administration to remediate legacy Superfund waste sites under the new infrastructure law, and stronger funding and cleanup mandates for emerging contaminants such as PFAS chemicals are among catalysts that maintained hazardous waste work as the Top 200's largest revenue category, at 24.7% of the total, with more work expected ahead.

Remediation contractor ECC saw funding to address PFAS contamination at some 100 Superfund sites contribute to a 20% rise in 2022 environmental services revenue, says CEO Manjiv Vohra, "and we expect even higher gains in 2023 through 2025," fueled by nearly \$1 billion in second-round cleanup funding. "This is leading to a massive amount of site investigation on new sites and reopening closed sites [with] groundwater and soil remediation over the next decade," he says. Cascade Environmental "booked more than \$3.3 million of PFAS-related work this year and expects the trend to continue," says CEO Ron Thalacker. "But it requires creativity and innovation to remain competitive as the market becomes more cost-conscious."

Waste management giant Clean Harbors Inc., the fourth-ranked Top 200 company, has "multiple PFAS treatment systems now across the country for the U.S. Navy and private clients," says Senior Vice President Paul Bratti. "It's a growing market, but there is still a lot of hesitation because it is not regulated yet. We focus on industrial water but can treat drinking water as well to non-detectable levels." Clean Harbors announced last year results of a comprehensive third-party study that said its commercial facilities can safely and thoroughly destroy PFAS in multiple forms, he adds.

While many municipal drinking water systems have completed or started treatment work, the scope of the PFAS problem in the U.S. remains huge. Just-announced multibillion-dollar utility settlements with 3M, DuPont and other chemicals producers will boost treatment design and execution, with concentrated work over the next four to five years, says AECOM's Sweet. Noting that developing effort and overall water-wastewater infrastructure needs, "our revenue should increase significantly in the next 12 months," says Tim Smith, CEO of sector contractor Wharton Smith.

Consultant Garver's water and wastewater practice finished 2022 up 33.2% in revenue over 2021, with growth set to continue, says CEO Brock Hoskins, citing PFAS work, more collaborative project delivery and environmental services in other infrastructure areas.

Stretched

Even with inflation impacts easing somewhat, market economics are far from perfect. In its real estate environmental due diligence business, NV5 Global Inc. "saw a sharp decrease in demand in the second half of 2022 due to rising interest rates impacting transactions," says Chairman and CEO Dickerson Wright. While he hopes

#32 **HASSAN ALLAM HOLDING,** Cairo-based, debuts on the Top 200. It led 11 contractors to build a 320-km water delivery system in Egypt.

The Top 30 All-Environmental Firms

FIRMS REPORTING 100% OF GROSS REVENUE FROM ENVIRONMENTAL SERVICES

RANK 2023	RANK 2022	FIRM	REVENUE $ MIL.
1	1	VEOLIA SA	45,219.8
2	2	CLEAN HARBORS INC.	5,166.6
3	3	TETRA TECH INC.	4,240.0
4	**	SOLV ENERGY	1,886.7
5	6	GARNEY HOLDING CO.	1,457.4
6	5	ERM	1,386.4
7	8	CLEAN EARTH	827.8
8	9	MONTROSE ENVIRONMENTAL GROUP INC.	544.4
9	10	BROWN AND CALDWELL	505.4
10	11	SCS ENGINEERS	438.8
11	**	CAROLLO ENGINEERS	375.2
12	13	APEX COS. LLC	288.5
13	12	FORGEN LLC	233.7
14	21	SET ENVIRONMENTAL INC.	206.0
15	16	AMERICAN INTEGRATED SERVICES INC.	193.9
16	17	SWCA ENVIRONMENTAL CONSULTANTS	191.0
17	**	EIS HOLDINGS	172.8
18	**	REYNOLDS CONSTRUCTION LLC	164.1
19	20	HGL	153.3
20	24	ROUX	137.8
21	19	ALLOY	137.1
22	18	P.A.L. ENVIRONMENTAL SAFETY CORP.	134.9
23	**	JUDY CONSTRUCTION CO.	134.2
24	23	ENVIRONMENTAL SCIENCE ASSOCIATES	120.9
25	**	MAX FOOTE CONSTRUCTION CO. LLC	111.3
26	25	ANCHOR QEA LLC	103.5
27	26	CHARTER COS.	93.0
28	**	ET ENVIRONMENTAL CORP. LLC	88.8
29	22	C.H. NICKERSON & CO. INC.	85.9
30	30	AMERICAN CONTRACTING & ENVIRON.	77.8

** INDICATES FIRM DID NOT RANK ON 2022 LIST

The Top 20 Firms Working in Non-U.S. Locations

RANK 2023	RANK 2022	FIRM	REVENUE $ MIL.
1	1	VEOLIA SA	40,245.6
2	2	LARSEN & TOUBRO LTD.	5,267.5
3	3	WSP GLOBAL INC.	2,790.6
4	4	JACOBS SOLUTIONS INC.	1,855.6
5	5	WEBUILD SPA	1,803.9
6	6	AECOM	1,576.6
7	7	TETRA TECH INC.	1,484.0
8	8	STANTEC INC.	878.8
9	15	CLEAN HARBORS INC.	775.0
10	**	HASSAN ALLAM HOLDING	705.6
11	11	ERM	693.2
12	10	HARSCO ENVIRONMENTAL	556.4
13	12	GHD GROUP	550.6
14	9	BECHTEL	535.6
15	14	MOTT MACDONALD GROUP LTD.	513.4
16	16	WORLEY LTD.	511.9
17	20	SNC-LAVALIN INC.	503.3
18	13	ARCADIS NV	497.0
19	18	TRADEBE ENVIRONMENTAL SERVICES	411.0
20	17	ANTEA GROUP NV	406.4

** INDICATES FIRM DID NOT RANK ON 2022 LIST

for a pickup later this year, others see market retraction continuing well into next year.

Even so, Partner Engineering & Science Inc. CEO Joe Derhake sees rising concerns by real estate and other investors about climate resilience and ESG driving more interest in its energy/sustainability practice. The firm also is opening new non-U.S. offices, with investors "eager for a consistent approach to engineering, environmental and energy consulting throughout their global footprints," he says.

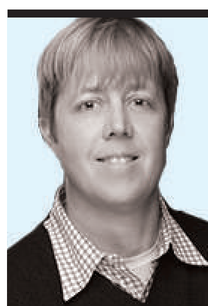
New list entrant EIS Holdings reports 30% organic revenue growth last year in addition to acquisitions, says CEO Kory Mitchell. But "we saw margin compression due to inflationary pressures" in labor, materials and other areas, he adds. "In short, our pricing didn't keep up with cost increases. That course corrected in late 2022 with better margins now. Frank Mangin, Haskell president of design and consulting operations, says it managed project supply chain issues by manufacturing concrete and having "our own steel fabrication shop."

Last year "was our best year to date in revenue, but it could have been a lot better," says Joe Godin, president of water-wastewater contractor American Contracting & Environmental Services, which rose six list spots. With inflation "wreaking havoc on many bid prices," he says, project schedules were disrupted as owners sought more funding. "We have multiple jobs that have taken over a year to receive a contract award," he says.

Justin Cumby, president of water sector contractor J. Cumby Construction Inc., says he sees "more opportunities when budgets are brought more in line," but also increased defaults from subcontractors that "are already stretched too thin." Andrew McCune, president and CEO of Wade Trim, says competition for staff "to meet this heightened level of industry demand is creating challenges to firm growth and timely delivery of work."

Technology Solutions

Top 200 firms looked to technology to meet emerging needs. "Our focus on being an innovation leader had the most significant impact on our environmental ser-



"There is a lot of work out there, but is the juice worth the squeeze?"

Kristofer L. Carlson,
President,
Carlson Environmental Consultants

Comparing the Past Decade's Top 200 Firm Revenue

(in $ billions) **SOURCE:** ENR

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
$53.7	$51.4	$53.4	$54.5	$53.4	$57.3	$58.9	$90.2	$112.7	$138.9

vices practice in 2022," says Susan Taylor Martin, CEO of BSI America Professional Services Inc. Clean Harbors has long invested in developing software because of the firm's unique waste tracking and emergency response work, founder Alan McKim said in an interview. Just transitioning to be chief technical officer after several decades as CEO, he sees new hazards in disposing lithium-ion batteries and solar panels.

Investments by remediation firm ATI Restoration LLC in advanced software and other technology, including ultraviolet germicidal irradiation, 3D scanning, thermal imaging and weather monitoring platforms, "have positively impacted environmental services revenue," says CEO David Carpenter. Kleinfelder CEO Louis Armstrong points to its proprietary FieldNet reporting and data management software in delivering results "that led to an increase in repeat sole-source business."

Langan's ESG team "works closely with our digital solutions group to understand the technical and regulatory aspects of projects as well as software necessary to support them," says CEO David Gockel. Jan Walstrom, Jacobs climate response and ESG senior vice president, says the firm is exploring "how machine learning and artificial intelligence will influence work in the environmental market."

Looking forward, Top 200 firms are monitoring global legal, economic and political landscapes for signs of changing market directions. VHB CEO Michael Carragher notes potential sector impact from the U.S. Supreme Court's *Sackett v. EPA* decision in June that altered the definition of federally protected wetlands. The firm "is watching how states and municipalities respond," he says. Antea Group CEO Yde Van Hijum fears the "highly divided U.S. political landscape could slow agreement on environmental regulation and project permitting." He adds that issues abroad such as inflation-challenged EU's "tepid growth" outlook and U.S sanctions on China that pose a threat to trade "temper our U.S. clients' willingness to invest [there.]"

Says PPM Consultants Principal Todd Perry: "It has been said that progress is impossible without change. However, with change comes challenges, especially in areas such as environmental management with rapid advancements in science, technology, and public opinion. Our firm continued to grow in 2022 by expanding our services and facing those challenges head on." ▪

—Data management assistance by Jon Keller and Jack McMackin

"Investors are eager for a consistent approach to engineering, environment and energy consulting throughout their global footprints."

Joe Derhake, CEO, Partner Eng. & Science Inc.

How To Read the Top 200 List

Firm rank is based on % of 2022 gross revenue reported from environmental services in the categories below. Figures are in $ millions; %s are rounded and may not add up to 100.. See p. 57 for an alphabetical listing of Top 200 firms. Asterisks (**) indicate a firm was not ranked on the 2022 Top 200 list.

Hazardous/Solid Waste Chemical, industrial and non-hazardous waste remediation, management and/or disposal; asbestos or lead abatement.

Nuclear Waste Nuclear or radioactive materials remediation, storage, disposal and/or management.

Air Air-pollutant emissions, permitting management, energy efficiency; renewable energy project design and/or construction.

Water Municipal or industrial water-system supply and treatment.

Wastewater Treatment Municipal or industrial wastewater or stormwater sewers and treatment systems.

Environ. Management Compliance, due diligence, audits and environmental information technology.

Environ. Science Planning, EIS/EIR, natural resources, wetlands, modeling.

Other Environmental market(s) not included in the above category descriptions.

Clients Work for these types of owners is shown as a % of environmental revenue:
PRIVATE-Corporations, utilities or other.
FEDERAL-U.S. agencies, military services or foreign governments.
STATE/LOCAL-State, county or municipal government entities.

Type of Firm: Designation is based on the largest % of 2022 environmental services revenue in categories described below. Multiple listings appear if the largest % of revenue is evenly split between two or more categories, or is within 5%.

DES Engineering and/or design; **CSL** Consulting and/or studies; **CON** Construction, contracting and/or remediation; **CM-PM** Construction management and/or program management; **EQP** Equipment or device manufacture; **OPS** Contract operations; **R&D** Technology and/or research and development, **OTH** Services not already designated.

The Top 200 List

RANK 2023	RANK 2022	FIRM	2022 ENVIRONMENTAL REVENUE: TOTAL (IN $ MIL.)	% OF ALL FIRM REV.	% OF NON-U.S.	TYPE OF WORK: LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE): HAZARDOUS WASTE	NUCLEAR WASTE	AIR QUALITY/ CLEAN ENERGY	WATER SUPPLY/ TREATMENT	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	CLIENTS (% OF ENV. REV.): FEDERAL	STATE / LOCAL	PRIVATE
1	1	**VEOLIA SA,** Paris, France	45,219.8	100	89	OPS	32	1	11	20	17	0	0	19	1	52	47
2	2	**AECOM,** Dallas, Texas	8,710.5	66	18	CSL	21	0	42	12	5	4	15	0	7	29	64
3	3	**LARSEN & TOUBRO LTD.,** Mumbai, India	5,278.0	34	100	CON	0	0	24	33	4	2	0	37	66	28	7
4	5	**CLEAN HARBORS INC.,** Norwell, Mass.	5,166.6	100	15	OTH	80	0	0	0	4	0	0	16	2	2	96
5	4	**JACOBS SOLUTIONS INC.,** Dallas, Texas	5,028.8	34	37	CSL	16	25	6	17	11	5	20	0	32	37	31
6	7	**WSP GLOBAL INC.,** Montreal, Quebec, Canada	4,651.0	46	60	CSL	27	3	8	12	11	15	24	0	20	20	60
7	6	**TETRA TECH INC.,** Pasadena, Calif.	4,240.0	100	35	CSL	0	0	0	48	4	20	28	0	35	25	40
8	10	**WEBUILD SPA,** Milan, Italy	2,160.3	25	84	CM-PM	2	0	77	0	12	0	7	2	0	99	1
9	9	**FLUOR,** Irving, Texas	2,154.1	17	8	DES	0	81	19	0	0	0	0	0	81	0	19
10	18	**AMENTUM,** Chantilly, Va.	2,000.4	25	5	CON	10	60	10	8	2	0	10	0	90	10	0
11	21	**BURNS & MCDONNELL,** Kansas City, Mo.	1,937.6	30	0	CON	15	0	67	6	3	5	5	0	1	10	89
12	**	**SOLV ENERGY,** San Diego, Calif.	1,886.7	100	0	CON	0	0	100	0	0	0	0	0	0	0	100
13	8	**BECHTEL,** Reston, Va.	1,847.0	11	29	CON	40	26	6	16	3	0	0	9	64	0	36
14	12	**STANTEC INC.,** Edmonton, Alberta, Canada	1,834.6	42	48	DES	15	0	1	30	21	6	28	0	3	26	71
15	11	**MORTENSON,** Minneapolis, Minn.	1,627.3	33	0	CON	0	0	100	0	0	0	0	0	0	1	99
16	23	**BLACK & VEATCH,** Overland Park, Kan.	1,594.4	38	10	CON	0	2	62	16	19	0	0	1	0	30	70
17	13	**ARCADIS NV,** Amsterdam, Netherlands	1,506.2	35	33	DES	35	1	0	25	5	28	5	0	9	19	72
18	19	**GARNEY HOLDING CO.,** North Kansas City, Mo.	1,457.4	100	0	CON	0	0	0	56	45	0	0	0	3	83	14
19	16	**ERM,** London, England, U.K.	1,386.4	100	50	CSL	20	0	3	0	1	51	24	1	0	2	98
20	14	**HDR,** Omaha, Neb.	1,335.5	42	8	DES-CSL	3	0	3	21	23	1	49	0	14	42	44
21	30	**MCCARTHY HOLDINGS INC.,** St. Louis, Mo.	1,288.2	24	0	CM-PM	0	0	87	0	13	0	0	0	0	0	100
22	20	**KIEWIT CORP.,** Omaha, Neb.	1,279.6	9	6	CON	0	0	0	60	40	0	0	0	12	71	17
23	**	**HASKELL,** Jacksonville, Fla.	1,070.4	59	16	CON	10	0	69	9	9	3	0	0	5	15	80
24	39	**TRC COS. INC.,** Windsor, Conn.	1,048.7	85	1	CM-PM	12	0	39	2	1	35	12	0	1	7	92
25	24	**LEIDOS INC.,** Reston, Va.	1,022.4	7	3	OPS	34	16	14	7	1	11	11	6	94	0	6
26	25	**GHD GROUP,** St Leonards, NSW, Australia	911.6	54	60	DES-CSL	44	0	2	20	6	3	25	0	5	29	67
27	31	**THE WALSH GROUP,** Chicago, Ill.	846.6	14	0	CON	0	0	0	56	44	0	0	0	0	75	25
28	28	**CLEAN EARTH,** King of Prussia, Pa.	827.8	100	0	CON	95	0	0	0	1	0	0	4	2	11	87
29	27	**RAMBOLL,** Copenhagen, Denmark	792.5	35	48	DES	32	0	15	9	13	9	9	13	9	14	77
30	29	**HARSCO ENVIRONMENTAL,** Leatherhead, England, U.K.	787.0	74	71	OPS	100	0	0	0	0	0	0	0	0	0	100
31	33	**SNC-LAVALIN INC.,** Montreal, Quebec, Canada	738.1	13	68	DES	23	32	15	23	3	0	4	0	46	10	44
32	**	**HASSAN ALLAM HOLDING,** Cairo, Egypt	705.6	25	100	CON	0	0	0	29	71	0	0	0	0	75	25
33	17	**CDM SMITH,** Boston, Mass.	700.6	51	17	DES	15	0	0	40	45	0	0	0	27	47	26
34	36	**WORLEY LTD.,** North Sydney, NSW, Australia	691.7	9	74	CSL	7	0	55	16	3	16	3	0	2	8	90
35	32	**TRADEBE ENVIRONMENTAL SERVICES,** Barcelona, Spain	685.0	84	60	OPS	80	2	0	0	5	2	0	11	1	1	98
36	35	**MOTT MACDONALD GROUP LTD.,** London, England, U.K.	644.1	26	80	DES	3	4	7	33	42	5	5	0	1	74	25
37	46	**PEPPER CONSTRUCTION,** Chicago, Ill.	628.7	33	0	CON	1	0	99	0	0	0	0	0	0	0	100
38	37	**APTIM,** Baton Rouge, La.	573.3	50	0	CON	42	23	0	0	0	36	0	0	70	8	22
39	51	**SUNDT CONSTRUCTION INC.,** Tempe, Ariz.	557.5	33	0	CON	0	0	34	0	66	0	0	0	0	27	73
40	38	**MONTROSE ENVIRONMENTAL GROUP INC.,** North Little Rock, Ark.	544.4	100	4	OTH	11	0	27	17	1	12	0	33	5	7	89
41	47	**ASRC INDUSTRIAL,** Tempe, Ariz.	539.0	58	0	CON	30	25	10	15	10	5	5	0	52	1	47
42	41	**PARSONS CORP.,** Centreville Va.	530.9	13	35	CON	39	0	14	26	2	0	19	0	9	61	31
43	43	**ICF,** Reston, Va.	526.3	30	4	CSL	0	0	44	0	0	11	45	0	21	22	57
44	45	**BROWN AND CALDWELL,** Walnut Creek, Calif.	505.4	100	0	DES	21	0	0	20	59	0	0	0	0	75	25
45	42	**ANTEA GROUP NV,** Almere, Netherlands	490.9	23	83	CSL	13	1	4	8	7	55	3	10	7	23	70
46	**	**AMES CONSTRUCTION INC.,** Burnsville, Minn.	452.7	29	0	CON	42	0	26	28	4	0	0	0	16	73	11
47	49	**SCS ENGINEERS,** Long Beach, Calif.	438.8	100	2	DES-CSL	100	0	0	0	0	0	0	0	1	25	74
48	44	**WEEKS MARINE INC.,** Cranford, N.J.	430.2	44	4	CON	3	0	0	0	13	0	84	0	35	65	0
49	48	**GEOSYNTEC CONSULTANTS,** Boca Raton, Fla.	429.7	85	14	DES-CSL	66	6	2	5	13	5	4	0	7	12	81
50	50	**PCL CONSTRUCTION ENTERPRISES INC.,** Denver. Colo.	400.4	7	14	CM-PM	1	0	0	80	19	0	0	0	0	83	17

RANK 2023	RANK 2022	FIRM	2022 ENVIRONMENTAL REVENUE TOTAL (IN $ MIL.)	% OF ALL FIRM REV.	% OF NON-U.S.	TYPE OF WORK LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE) HAZARDOUS WASTE	NUCLEAR WASTE	AIR QUALITY/ CLEAN ENERGY	WATER SUPPLY/ TREATMENT	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	CLIENTS (% OF ENV. REV.) FEDERAL	STATE / LOCAL	PRIVATE
51	**	**CAROLLO ENGINEERS,** Walnut Creek, Calif.	375.2	100	0	DES	0	0	0	42	58	0	0	0	0	85	15
52	34	**MWH,** Broomfield, Colo.	371.4	78	5	CON	0	0	0	29	71	0	0	0	0	90	10
53	52	**NORTH WIND GROUP,** Idaho Falls, Idaho	359.3	68	0	CON	49	35	1	0	0	12	4	0	96	3	1
54	53	**WHARTON-SMITH INC.,** Sanford, Fla.	356.0	50	0	CM-PM	0	0	0	16	84	0	0	0	0	90	10
55	**	**SOUTHLAND HOLDINGS,** Grapevine, Texas	344.0	30	27	CON	0	0	0	74	26	0	0	0	20	80	0
56	65	**BOWEN ENGINEERING CORP.,** Indianapolis, Ind.	324.6	87	0	CON	8	0	0	35	57	0	0	0	0	45	55
57	124	**ADOLFSON & PETERSON CONSTRUCTION,** Minneapolis, Minn.	308.4	24	0	CM-PM	0	0	0	100	0	0	0	0	0	0	100
58	63	**APEX COS. LLC,** Rockville, Md.	288.5	100	0	CSL-OTH	23	0	1	1	29	29	13	4	9	15	76
59	59	**WOODARD & CURRAN,** Portland, Maine	284.1	94	0	OPS	17	0	2	13	54	8	6	0	0	58	42
60	69	**WESTON SOLUTIONS INC.,** West Chester, Pa.	278.8	87	1	CON	49	1	3	1	5	8	1	32	61	9	30
61	54	**SEVENSON ENVIRONMENTAL SERVICES INC.,** Niagara Falls, N.Y.	271.0	99	0	CON	100	0	0	0	0	0	0	0	30	0	70
62	58	**NV5 GLOBAL INC.,** Hollywood, Fla.	270.4	29	7	CSL	2	5	10	3	3	40	37	0	28	19	53
63	61	**TERRACON CONSULTANTS INC.,** Olathe, Kan.	266.2	26	0	CSL	51	0	2	3	5	22	17	0	5	20	75
64	56	**BAUER RESOURCES GMBH,** Schrobenhausen, Germany	260.2	74	100	CON	29	11	0	30	10	0	3	17	18	18	64
65	55	**LYLES CONSTRUCTION GROUP,** Fresno, Calif.	258.8	61	0	CON	0	0	3	6	91	0	0	0	0	96	4
66	71	**LANGAN,** Parsippany, N.J.	250.0	54	6	DES	40	0	10	5	20	11	14	0	5	10	85
67	99	**AURECON,** Melbourne, Victoria, Australia	239.6	21	100	DES	3	0	33	14	17	6	23	4	10	83	7
68	64	**KOKOSING GROUP OF COS.,** Westerville, Ohio	239.0	14	0	CON	0	0	5	33	62	0	0	0	0	84	16
69	62	**FORGEN LLC,** Centennial, Colo.	233.7	100	2	CON	36	0	0	0	64	0	0	0	28	37	35
70	70	**MICHELS CORP.,** Brownsville, Wis.	230.5	6	21	CON	0	0	6	43	45	0	7	0	5	89	6
71	67	**CROWDER CONSTRUCTORS INC.,** Charlotte, N.C.	226.9	52	0	CON-CM-PM	0	0	0	25	75	0	0	0	0	100	0
72	76	**ALBERICI-FLINTCO,** St. Louis, Mo.	213.4	7	18	CON	0	0	0	64	36	0	0	0	0	99	1
73	74	**ATLAS TECHNICAL CONSULTANTS,** Austin, Texas	211.7	35	0	CON	8	0	9	1	1	82	0	0	3	20	77
74	95	**SET ENVIRONMENTAL INC.,** Wheeling, Ill.	206.0	100	1	CON	75	0	10	0	5	5	5	0	0	5	95
75	83	**ECC,** Burlingame, Calif.	199.2	27	11	CON	81	5	1	9	4	0	0	0	91	8	1
76	73	**KLEINFELDER,** San Diego, Calif.	195.2	31	7	DES-CSL	39	0	1	15	16	16	13	0	2	38	60
77	77	**AMERICAN INTEGRATED SERVICES INC.,** Wilmington, Calif.	193.9	100	0	CON	67	0	0	0	0	0	0	33	0	5	95
78	84	**SWCA ENVIRONMENTAL CONSULTANTS,** Phoenix, Ariz.	191.0	100	0	CSL	0	0	1	0	1	3	92	3	7	11	82
79	**	**PHILLIPS & JORDAN,** Knoxville, Tenn.	189.4	27	0	CON	14	0	6	80	0	0	0	0	1	52	47
80	81	**HATCH LTD.,** Mississauga, Ontario, Canada	189.1	11	87	DES	0	0	14	33	0	0	53	0	0	0	100
81	79	**TRINITY CONSULTANTS INC.,** Dallas, Texas	186.3	59	21	CSL	0	0	49	0	5	32	12	2	1	2	97
82	80	**ARTELIA GROUP,** Saint Ouen sur Seine, France	183.1	20	100	CSL	7	0	22	18	17	17	18	1	0	57	43
83	72	**CASCADE ENVIRONMENTAL,** Bothell, Wash.	173.3	76	0	CM-PM	97	0	0	2	0	0	1	0	37	16	47
84	**	**EIS HOLDINGS,** Westlake, Texas	172.8	100	0	CON	90	0	0	5	0	5	0	0	15	10	75
85	**	**ARDURRA GROUP INC.,** Tampa, Fla.	169.0	68	0	DES	0	0	0	48	44	0	7	0	0	98	2
86	82	**ALLAN MYERS,** Worcester, Pa.	167.0	13	0	CON	6	0	0	24	70	0	0	0	0	59	41
87	88	**REYNOLDS CONSTRUCTION LLC,** Orleans, Ind.	164.1	100	0	CON	0	0	35	40	26	0	0	0	0	29	71
88	87	**HALEY & ALDRICH INC.,** Burlington, Mass.	159.8	65	0	CSL	60	1	10	5	4	15	5	0	1	9	90
89	93	**HGL,** Reston, Va.	153.3	100	0	CON	77	16	0	0	6	1	0	0	93	1	6
90	85	**PARTNER ENGINEERING AND SCIENCE INC.,** Torrance, Calif.	152.1	48	1	CSL	18	0	15	0	0	67	0	0	0	2	98
91	89	**WATER RESOURCES GROUP,** Deerwood, Minn.	150.2	87	0	CON	0	0	0	37	63	0	0	0	7	79	14
92	96	**MICHAEL BAKER INTERNATIONAL,** Pittsburgh, Pa.	149.5	19	0	CSL	0	0	1	52	15	20	12	0	37	57	6
93	60	**SUKUT CONSTRUCTION LLC,** Santa Ana, Calif.	145.0	38	0	CON	0	0	0	0	5	0	5	90	0	60	40
94	94	**PC CONSTRUCTION CO.,** South Burlington, Vt.	143.3	33	0	CON	0	0	0	6	94	0	0	0	0	100	0
95	104	**ROUX,** Islandia, N.Y.	137.8	100	0	CON	54	0	24	0	1	9	0	12	0	3	97
96	91	**ALLOY,** Export, Pa.	137.1	100	0	CON	90	0	0	5	5	0	0	0	10	20	70
97	90	**P.A.L. ENVIRONMENTAL SAFETY CORP.,** Long Island City, N.Y.	134.9	100	0	CON	0	0	0	0	0	0	0	100	0	0	100
98	107	**JUDY CONSTRUCTION CO.,** Cynthiana, Ky.	134.2	100	0	CON	0	0	0	47	53	0	0	0	0	100	0
99	92	**C. OVERAA & CO.,** Richmond, Calif.	131.7	34	0	CON	0	0	2	41	57	0	0	0	7	76	16
100	**	**CROSSLAND HEAVY CONTRACTORS INC.,** Columbus, Kan.	129.3	64	0	CON	0	0	0	53	47	0	0	0	0	88	12

#55 **SOUTHLAND HOLDINGS INC.** is traded on the NY Stock Exchange after a merger completed in 2023 with a special-purpose acquisition firm.

RANK 2023	RANK 2022	FIRM	2022 ENVIRONMENTAL REVENUE TOTAL (IN $ MIL.)	% OF ALL FIRM REV.	% OF NON-U.S.	TYPE OF WORK LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE) HAZARDOUS WASTE	NUCLEAR WASTE	AIR QUALITY/ CLEAN ENERGY	WATER SUPPLY/ TREATMENT	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	CLIENTS (% OF ENV. REV.) FEDERAL	STATE / LOCAL	PRIVATE
101	97	**GOODFELLOW BROS.,** Wenatchee, Wash.	125.1	16	0	CON	11	0	23	24	5	0	0	37	7	41	52
102	102	**ENVIRONMENTAL SCIENCE ASSOCIATES,** San Francisco, Calif.	120.9	100	0	CSL	0	0	0	0	0	23	77	0	4	70	26
103	113	**HNTB COS.,** Kansas City, Mo.	114.1	7	0	DES	0	0	0	8	13	2	71	6	3	93	4
104	98	**CIVIL & ENVIRONMENTAL CONSULTANTS INC.,** Moon Township, Pa.	112.6	48	0	CSL	29	0	8	2	10	35	16	0	1	11	88
105	121	**MAX FOOTE CONSTRUCTION CO. LLC,** Mandeville, La.	111.3	100	0	CON	0	0	0	40	60	0	0	0	0	99	1
106	123	**VERDANTAS,** Dublin, Ohio	108.9	74	0	DES	69	0	0	18	11	0	2	0	3	10	87
107	101	**BARR ENGINEERING CO.,** Minneapolis, Minn.	108.8	54	10	CSL	30	0	6	4	18	14	28	0	10	29	62
108	103	**DUDEK,** Encinitas, Calif.	107.8	75	0	CSL	0	0	5	0	0	69	27	0	0	26	74
109	108	**THE CADMUS GROUP LLC,** Waltham, Mass.	107.1	93	30	CSL	0	0	0	15	0	40	5	40	35	25	40
110	111	**SHOOK CONSTRUCTION,** Dayton, Ohio	105.5	31	0	CON	0	0	0	46	55	0	0	0	2	68	30
111	106	**ANCHOR QEA LLC,** Seattle, Wash.	103.5	100	5	CSL	4	0	0	17	1	5	73	0	8	28	64
112	118	**TRIHYDRO CORP.,** Laramie, Wyo.	99.9	89	0	CSL-CON	68	0	10	5	7	8	2	0	3	8	89
113	109	**GZA ,** Norwood, Mass.	99.2	59	0	CSL	49	1	6	7	1	22	11		1	12	88
114	117	**GEI CONSULTANTS INC.,** Woburn, Mass.	97.8	40	5	CON	62	0	2	2	0	14	19	1	1	10	89
115	**	**MEB GENERAL CONTRACTORS,** Chesapeake, Va.	97.5	64	0	CON	0	0	0	8	56	0	0	36	40	31	29
116	120	**GARVER,** North Little Rock, Ark.	95.9	38	0	DES	0	0	0	34	55	1	11	0	1	99	1
117	114	**GANNETT FLEMING,** Camp Hill, Pa.	95.7	13	4	DES	2	0	2	61	20	11	4	0	10	50	40
118	116	**CHARTER COS.,** Boston, Mass.	93.0	100	0	CON	100	0	0	0	0	0	0	0	14	11	75
119	110	**KENNEDY/JENKS CONSULTANTS INC.,** San Francisco, Calif.	92.7	97	0	DES	10	0	1	49	37	2	1	0	1	82	17
120	**	**T. A. LOVING CO.,** Goldsboro, N.C.	89.7	45	0	CON	0	0	0	25	75	0	0	0	10	61	29
121	146	**ET ENVIRONMENTAL CORP. LLC,** Atlanta, Ga.	88.8	100	0	CM-PM	95	0	0	0	4	0	1	0	0	2	98
122	100	**C.H. NICKERSON & CO. INC.,** Torrington, Conn.	85.9	100	0	CON	0	0	0	40	60	0	0	0	0	90	10
123	**	**DUGAN & MEYERS CONSTRUCTION ENTERPRISES LLC,** Cincinnati, Ohio	85.2	49	0	CON	0	0	0	18	82	0	0	0	0	64	36
124	112	**NAVARRO RESEARCH AND ENGINEERING INC.,** Oak Ridge, Tenn.	84.0	59	0	CSL-OPS	5	60	2	2	4	21	6	0	81	0	19
125	122	**DEWBERRY,** Fairfax, Va.	83.9	14	0	DES	0	0	3	28	52	9	8	0	10	65	25
126	132	**AMERICAN CONTRACTING & ENVIRON. SERVICES INC.,** Columbia, Md.	77.8	100	0	CON	0	0	2	32	67	0	0	0	12	87	2
127	126	**GROUNDWATER AND ENVIRONMENTAL SERVICES INC.,** Wall Township, N.J.	75.8	100	7	CSL	25	0	5	10	15	30	15	0	7	12	81
128	134	**VHB,** Watertown, Mass.	73.9	19	0	CSL	27	0	2	0	9	3	59	0	13	36	51
129	133	**WADE TRIM,** Detroit, Mich.	71.8	62	0	DES	0	0	0	21	74	0	5	0	1	53	46
130	127	**ENSAFE INC.,** Memphis, Tenn.	69.5	100	1	CSL	62	0	2	0	5	10	1	19	5	13	81
131	142	**ENGINEERING CONSULTING SERVICES,** Chantilly, Va.	69.0	19	0	CSL	25	0	3	2	7	44	15	4	3	4	94
132	125	**BUILDING CRAFTS INC.,** Wilder, Ky.	66.5	95	0	CON	0	0	0	37	64	0	0	0	0	86	14
133	128	**PARAMETRIX,** Puyallup, Wash.	66.3	43	0	DES	6	0	1	9	24	1	56	4	0	73	26
134	156	**ENVIRONMENTAL WORKS INC.,** Springfield, Mo.	64.0	100	1	OPS	65	0	1	0	5	27	1	1	1	5	94
135	144	**STRAND ASSOCIATES INC.,** Madison, Wis.	63.8	53	0	DES	0	0	0	29	69	0	2	0	0	99	1
136	138	**CAPE ENVIRONMENTAL MANAGEMENT INC.,** Norcross, Ga.	61.4	93	6	CON	95	0	0	2	1	1	1	0	100	0	0
137	130	**GEO-LOGIC ASSOCIATES INC.,** Ontario, Calif.	60.9	94	9	CSL	4	0	0	14	27	30	16	9	2	34	64
138	140	**DILLON CONSULTING LTD.,** Toronto, Ontario, Canada	58.9	32	99	CM-PM	45	0	6	1	3	14	31	0	14	64	22
139	165	**360 ENERGY LIABILITY MANAGEMENT,** Calgary, Alberta, Canada	56.9	100	100	DES	68	0	0	0	0	27	5	0	0	30	70
140	137	**INNOVATIVE CONSTRUCTION SOLUTIONS,** Costa Mesa, Calif.	56.6	96	0	CON	65	0	0	15	20	0	0	0	0	35	65
141	150	**MCKIM & CREED,** Raleigh, N.C.	56.1	39	0	DES	0	0	7	25	68	0	0	0	0	47	53
142	139	**TIGHE & BOND INC.,** Westfield, Mass.	55.6	62	0	DES-CSL	19	0	0	38	32	1	10	0	0	63	37
143	158	**MATRIX NEW WORLD ENGINEERING,** Florham Park, N.J.	55.6	90	0	DES-CSL	40	0	2	13	5	20	20	0	10	45	45
144	131	**HARPER GENERAL CONTRACTORS,** Greenville, S.C.	55.3	15	0	CM-PM	0	0	0	51	41	0	0	8	0	94	6
145	154	**THE VERTEX COS. LLC,** Weymouth, Mass.	55.2	36	10	CSL	46	0	17	0	1	35	1	0	0	3	97
146	141	**JOHNSON, MIRMIRAN & THOMPSON INC. (JMT),** Hunt Valley, Md.	55.1	15	0	DES	0	0	5	28	40	7	20	0	5	93	2
147	148	**BRAUN INTERTEC CORP.,** Minneapolis, Minn.	55.1	28	0	CSL	30	0	11	2	9	27	22	0	1	48	51
148	152	**POWER ENGINEERS INC.,** Hailey, Idaho	52.6	7	3	CSL	2	0	19	1	10	8	61	0	1	4	95
149	155	**WRIGHT-PIERCE,** Topsham, Maine	52.3	91	0	DES-CSL-CON	0	0	0	33	67	0	0	0	0	93	7
150	173	**LABELLA ASSOCIATES DPC,** Rochester, N.Y.	50.8	21	0	DES-CSL-CON	15	5	10	15	15	25	15	0	0	50	50

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WEEKS MARINE INC. became a wholly owned unit of Kiewit Corp. (No. 22) on Jan. 1, with transaction details not disclosed by the firms.

RANK 2023	RANK 2022	FIRM	2022 ENVIRONMENTAL REVENUE TOTAL (IN $ MIL.)	% OF ALL FIRM REV.	% OF NON-U.S.	TYPE OF WORK LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE) HAZARDOUS WASTE	NUCLEAR WASTE	AIR QUALITY/ CLEAN ENERGY	WATER SUPPLY/ TREATMENT	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	CLIENTS (% OF ENV. REV.) FEDERAL	STATE / LOCAL	PRIVATE
151	172	**INTERA INC.,** Austin, Texas	50.4	100	14	CSL	26	35	2	25	0	2	10	0	35	35	30
152	135	**S&ME,** Raleigh, N.C.	50.2	28	0	CSL	29	4	5	14	5	23	21	0	2	40	58
153	163	**M. B. KAHN CONSTRUCTION CO. INC.,** Columbia, S.C.	49.9	15	0	CON	0	0	0	51	49	0	0	0	0	100	0
154	160	**J. F. AHERN CO.,** Fond du Lac, Wis.	49.7	11	0	CON	0	0	5	15	80	0	0	0	0	90	10
155	145	**SCHNABEL ENGINEERING INC.,** Glen Allen, Va.	48.6	48	0	DES	1	0	1	90	3	0	4	0	16	48	36
156	166	**ENGINEERING/REMEDIATION RESOURCES GROUP INC.,** Martinez, Calif.	48.1	100	0	CON	93	5	0	0	1	1	0	0	54	39	7
157	169	**TLC DIVERSIFIED INC.,** Palmetto, Fla.	48.1	100	0	CON	0	0	0	15	85	0	0	0	10	90	0
158	164	**BSI AMERICA PROFESSIONAL SERVICES INC.,** Herndon, Va.	47.9	58	2	CSL-CON	45	0	1	1	8	44	1	0	1	8	91
159	161	**CARLSON ENVIRONMENTAL CONSULTANTS PC,** Monroe, N.C.	46.9	100	0	CON	1	0	87	1	5	6	0	0	0	11	89
160	176	**GRESHAM SMITH,** Nashville, Tenn.	46.2	16	0	DES	0	0	0	6	91	2	0	0	0	89	11
161	171	**DLZ CORP.,** Columbus, Ohio	46.2	29	7	DES	10	0	0	42	48	0	0	0	8	85	7
162	136	**KCI TECHNOLOGIES INC.,** Sparks, Md.	44.9	10	0	DES	4	0	0	23	41	9	23	0	5	80	15
163	159	**H2M ARCHITECTS + ENGINEERS,** Melville, N.Y.	44.4	47	0	DES	16	0	13	51	14	4	2	0	1	50	49
164	151	**AHTNA NETIYE LLC,** Anchorage, Alaska	43.1	13	0	CON	83	0	0	3	11	0	3	0	86	14	0
165	119	**POSILLICO INC.,** Farmingdale, N.Y.	41.7	7	0	CON	60	0	0	0	0	0	0	40	0	50	50
166	170	**PENNONI,** Philadelphia, Pa.	40.6	18	0	CSL	30	0	10	10	10	5	15	20	5	38	57
167	**	**GAI CONSULTANTS INC.,** Homestead, Pa.	40.4	33	0	DES-CSL	2	0	7	2	21	2	47	19	2	22	76
168	157	**ENVIROTRAC LTD.,** Yaphank, N.Y.	40.0	100	0	CSL	45	0	15	0	10	30	0	0	0	25	75
169	180	**T&M ASSOCIATES,** Middletown, N.J.	40.0	56	0	CSL	20	0	10	15	25	25	5	0	5	65	30
170	168	**J. CUMBY CONSTRUCTION INC.,** Cookeville, Tenn.	39.9	92	0	CON	0	0	0	20	80	0	0	0	0	100	0
171	**	**INTEGRAL CONSULTING INC.,** Seattle, Wash.	39.6	100	1	CSL	35	0	3	4	2	4	20	32	3	15	82
172	177	**BARTON & LOGUIDICE DPC,** Liverpool, N.Y.	39.1	59	0	DES-CSL	29	0	11	25	29	1	7	0	0	78	22
173	178	**RJN GROUP INC.,** Downers Grove, Ill.	37.5	99	0	CSL	0	0	0	5	95	0	0	0	0	99	1
174	181	**PRECISION ENVIRONMENTAL CO.,** Independence, Ohio	37.3	75	0	CON	100	0	0	0	0	0	0	0	85	15	0
175	174	**ENVIRONMENTAL CONSULTING & TECHNOLOGY INC.,** Gainesville, Fla.	37.1	100	0	CSL	14	0	28	0	22	14	22	0	3	16	81
176	**	**BURGESS & NIPLE INC.,** Columbus, Ohio	36.6	34	0	CSL	7	0	1	20	63	6	3	0	0	80	20
177	193	**ALL4 LLC,** Kimberton, Pa.	36.1	100	0	CSL	2	0	60	5	2	28	0	2	0	1	99
178	191	**AUGUST MACK ENVIRONMENTAL INC.,** Indianapolis, Ind.	34.8	100	0	CSL	55	0	2	0	2	41	0	0	1	4	95
179	175	**WHITMAN, REQUARDT & ASSOCIATES LLP,** Baltimore, Md.	34.5	18	0	DES	0	0	0	48	38	0	14	0	1	98	1
180	183	**DONOHUE & ASSOCIATES INC.,** Sheboygan, Wis.	34.4	99	0	DES	0	0	0	25	75	0	0	0	0	92	8
181	179	**GROUND/WATER TREATMENT & TECHNOLOGY LLC,** Wharton, N.J.	33.9	100	0	OPS-OTH	0	0	0	0	90	0	0	10	5	0	95
182	184	**PPM CONSULTANTS,** Birmingham, Ala.	32.7	100	0	CON	73	0	12	0	0	13	2	0	11	6	83
183	182	**CABRERA SERVICES INC.,** East Hartford, Conn.	32.0	100	0	CON	10	65	0	10	5	10	0	0	94	2	4
184	190	**JONES EDMUNDS & ASSOCIATES INC.,** Gainesville, Fla.	31.8	94	0	DES	11	0	0	6	47	5	2	29	4	89	7
185	197	**IREX CONTRACTING GROUP,** Lancaster, Pa.	31.6	14	0	CON	70	3	0	0	0	27	0	0	3	22	75
186	196	**EHS SUPPORT,** Pittsburgh, Pa.	30.9	100	24	CSL	60	0	2	1	3	21	7	6	0	3	97
187	**	**J.S. HELD,** Jericho, N.Y.	30.9	7	2	CSL	49	0	4	0	1	11	1	34	1	5	94
188	195	**ARM GROUP ENTERPRISES INC.,** Hershey, Pa.	28.5	57	0	CSL	57	0	8	10	5	10	10	0	0	30	70
189	185	**SOVEREIGN CONSULTING INC.,** Robbinsville, N.J.	27.7	100	0	CSL	89	4	0	2	0	3	2	0	21	1	78
190	186	**D&B ENGINEERS AND ARCHITECTS DPC,** Woodbury, N.Y.	27.6	80	0	DES	17	0	0	34	49	0	0	0	0	95	5
191	149	**AEI CONSULTANTS,** Walnut Creek, Calif.	26.9	27	0	CSL	15	0	4	0	0	66	1	13	3	5	92
192	143	**ATI RESTORATION LLC,** Anaheim, Calif.	26.0	6	0	CON	100	0	0	0	0	0	0	0	3	1	96
193	199	**TECHLAW CONSULTANTS INC.,** Chantilly, Va.	25.7	100	0	CON	49	2	7	1	8	8	2	23	86	7	7
194	188	**LSA ASSOCIATES INC.,** Irvine, Calif.	25.6	100	0	CSL	0	0	5	5	5	20	50	15	0	45	55
195	198	**PM ENVIRONMENTAL LLC,** Lansing, Mich.	25.2	100	0	CSL	8	0	1	0	2	89	0	0	0	19	81
196	192	**BARGE DESIGN SOLUTIONS INC.,** Nashville, Tenn.	25.1	20	0	DES	4	0	0	41	44	1	8	3	5	50	45
197	**	**AMERICAN STRUCTUREPOINT INC.,** Indianapolis, Ind.	24.5	17	0	DES	0	0	0	33	50	0	17	0	10	75	15
198	194	**VERSAR INC.,** Washington, D.C.	22.8	26	0	CSL	41	0	6	0	10	20	24	0	90	9	1
199	**	**SESSLER ENVIRONMENTAL SERVICES,** Macedon, N.Y.	21.8	100	0	CON	100	0	0	0	0	0	0	0	10	30	60
200	200	**BEM SYSTEMS INC.,** Madison, N.J.	21.1	100	0	CSL	65	0	0	0	0	5	10	20	65	35	0

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