

ENVIRONMENTAL CONSULTANTS

Rank Prev. Rank	Company •Address	Corporate headquarters •Website •Email	OC environmental billings for 12 months ended Dec. 31, 2016 •yearly % change	Companywide environmental billings for 12 months ended Dec. 31, 2016 •yearly % change	OC employees •yearly % change	Breakdown of work: Public sector Private sector	Specialties by % of work				Partial list of clients served by OC office(s)	Top local official(s) •Title •Phone/fax
							•Air/Water Quality	•Regulatory Compliance	•Waste/Pollution Management	•Other		
1 (1)	CH2M Hill Cos. 6 Hutton Centre Drive, Ste. 700 Santa Ana 92707-5735	Englewood, Colo. ch2m.com judy.johnson@ch2m.com	\$165 million -1%	\$1.7 billion 0%	130 -21%	50% 50%	39%	15%	43%	3%	Utilities, aerospace companies, chemical companies, transportation agencies, water agencies	Judy Johnson area lead (213) 500-3004
2 (2)	Tetra Tech Inc. 17885 Von Karman Ave., Ste. 400 Irvine 92614-5227	Pasadena tetratech.com steve.tedesco@tetratech.com	\$58.3 million 6%	\$2.2 billion 18%	165 10%	50% 50%	80%	5%	15%	0%	Orange County, Irvine Ranch Water District	Steve Tedesco senior VP (949) 809-5000/(949) 809-5010
3 (3)	AECOM 999 Town and Country Road Orange 92868-4713	Los Angeles aecom.com askamericas@aecom.com	\$48.1 million 6%	\$2.6 billion ⁽¹⁾ NA	546 6%	59% 41%	21%	23%	22%	34%	Southern California Edison, U.S. Army Corp of Engineers, Dept. of the Air Force, Lockheed Martin Corp., Orange County Sanitation District, Orange County Public Works, City of Irvine, City of Huntington Beach, City of Newport Beach	Kelli Bernard chief executive, LA Metro region (213) 593-8100
4 (4)	Miller Environmental Inc. 1130 W. Trenton Ave. Orange 92867-3536	Orange millerenvironmental.com	\$47 million 24%	\$47 million 24%	100 150%	50% 50%	0%	0%	70%	30%	Los Angeles Community College District, Kaiser Permanente, NBC Universal, Disneyland Resorts, Chevron Corp., L.A. Unified School District	Gregg Miller president (714) 385-0099/(714) 385-0011
5 (7)	Arcadis U.S. Inc. 320 Commerce, Ste. 200 Irvine 92602-1363	Highlands Ranch, Colo. arcadis.com ausinternet@arcadis-us.com	\$41.7 million 82%	\$712 million -4%	125 1%	wnd	wnd	wnd	wnd	wnd	would not disclose	Craig Halvorson operations director (866) 287-7373/(720) 344-3535
6 (5)	Geosyntec Consultants Inc. 2100 Main St., Ste. 150 Huntington Beach 92648-2460	Boca Raton, Fla. geosyntec.com	\$27.3 million -3%	\$255 million -1%	61 0%	40% 60%	30%	10%	30%	30%	Public agencies, solid waste companies, oil companies	Bertrand Palmer VP (714) 969-0800
7 (6)	Ramboll Environ US Corp. 18100 Von Karman Ave., Ste. 600 Irvine 92612-7198	Arlington, Va. ramboll-environ.com apena@ramboll.com	\$24 million ⁽¹⁾ NA	\$197.4 million -8%	88 4%	25% 75%	25%	15%	50%	10%	Real estate, manufacturing, petrochemicals	Farshad Razmdjoo managing principal (949) 261-5151/(949) 261-6202
8 (8)	Chicago Bridge & Iron Co. 18100 Von Karman Ave., Ste. 450 Irvine 92612-7197	The Hague, Netherlands cbi.com	\$21.5 million ⁽¹⁾ NA	wnd	90 ⁽¹⁾ NA	wnd	wnd	wnd	wnd	wnd	would not disclose	Patrick Mullen group president (949) 261-6441/(949) 474-8309
9 (16)	Amec Foster Wheeler Environment & Infrastructure Inc. 121 Innovation Drive, Ste. 200 Irvine 92617-3094	Alpharetta, Ga. amecfw.com hassan.amini@amecfw.com	\$18 million -10%	\$522.3 million 83%	74 0%	15% 85%	5%	15%	55%	25%	would not disclose	Hassan Amini office manager/principal (949) 642-0245/(949) 642-4474
10 (NR)	Michael Baker International 5 Hutton Centre Drive, Ste. 500 Santa Ana 92707-8714	Pittsburgh mbakerintl.com beljenholm@mbakerintl.com	\$17.9 million 1%	\$48.3 million NA	260 8%	70% 30%	55%	15%	5%	25%	Caltrans, County of Orange, Cities of Irvine, Santa Ana, Newport Beach, Laguna Beach, Dana Point, Costa Mesa, Anaheim, Tustin; Water Districts (SMWD, IRWD, El Toro WD, Mesa WD, OC SAN, South Coast); Rancho Mission Viejo, Lennar, Southern California Edison, TCA	Michael Tylman P.E., VP/office executive (949) 472-3505/(949) 472-8373
11 (10)	Environmental Resources Management 1920 Main St., Ste. 300 Irvine 92614-7279	London erm.com tony.parenteau@erm.com	\$16.2 million ⁽¹⁾ NA	wnd	76 ⁽¹⁾ NA	10% 90%	35%	15%	40%	10%	would not disclose	Anthony Parenteau partner (949) 623-4700/(949) 623-4711
12 (9)	LSA Associates Inc. 20 Executive Park, Ste. 200 Irvine 92614-4731	Irvine lsa.net irvine@lsa.net	\$15.1 million -9%	\$35.4 million 1%	106 12%	47% 53%	11%	32%	0%	57%	Orange County Transportation Authority, Transportation Corridor Agencies, Orange County Public Works, Orange County Waste & Recycling, City of Anaheim, City of Irvine, City of San Juan Capistrano, Moulton Niguel Water District, California Department of Transportation District 12	Les Card chairman/CEO (949) 553-0666/(949) 553-8076
13 (12)	Pacific Advanced Civil Engineering Inc. (PACE) 17520 Newhope St., Ste. 200 Fountain Valley 92708-8206	Fountain Valley pacewater.com contactus@pacewater.com	\$15 million ⁽¹⁾ NA	wnd	90 ⁽¹⁾ NA	wnd	wnd	wnd	wnd	wnd	would not disclose	Mark Krebs president (714) 481-7300/(714) 481-7299
14 (17)	NOREAS Inc. 16361 Scientific Way Irvine 92618-4354	Irvine noreasinc.com rfi@noreasinc.com	\$14 million NA	\$14 million NA	54 -4%	70% 30%	0%	35%	50%	15%	Naval Facilities Engineering Command, Army Corps of Engineers, US AIR Force, Southern California Edison	Leila Shaver corporate counsel (949) 467-9100/(949) 398-8758
15 (24)	TAIT⁽²⁾ 701 N. Park Center Drive Santa Ana 92705-3541	Santa Ana tait.com info@tait.com	\$13.6 million 23%	\$27.2 million 20%	73 4%	15% 85%	30%	30%	10%	30%	would not disclose	Thomas Tait/K. Richard Tait CEO/president (714) 560-8222/(714) 560-8211
16 (14)	Patriot Environmental Laboratory Services Inc. 1041 S. Placentia Ave. Fullerton 92831-5105	Fullerton patriotlab.com info@patriotlab.com	\$13.3 million 10%	\$16 million 20%	135 12%	30% 70%	25%	0%	25%	50%	would not disclose	James Thornbrugh president (714) 899-8900/(714) 899-7098
17 (11)	Psomas 3 Hutton Centre Drive, Ste. 200 Santa Ana 92707-8794	Los Angeles psomas.com info@psomas.com	\$12.3 million -21%	\$17 million -19%	154 -5%	55% 45%	10%	30%	0%	60%	County of Orange, Irvine Company, Lowe Enterprises, Rancho Mission Viejo, City of Anaheim, Southern California Edison, Southern California Gas Company, UCLA, UC Riverside, Simi Valley Landfill and Recycling Center	Joan Kelly corporate director, environmental planning and resource management (714) 751-7373/(714) 545-8883
18 (13)	TRC Cos. 9685 Research Drive Irvine 92618-4657	Windsor, Conn. trcsolutions.com cobrien@trcsolutions.com	\$12.1 million ⁽³⁾ -17%	\$288.5 million ⁽³⁾ -5%	104 -13%	8% 92%	9%	24%	53%	14%	ConocoPhillips Co., Burlington Northern Santa Fe Corp., Pacific Gas & Electric, Orange County Transportation Authority	David Zarider senior VP (949) 727-9336/(949) 727-7311

Abbreviations: NA: not applicable; NR: not ranked; wnd: would not disclose
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⁽²⁾ Previously listed as Tait Environmental Services Inc.
⁽³⁾ Billings for 12 months ended June 24, 2016

⁽¹⁾ Business Journal estimate

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19 (15)	CDM Smith Inc. 111 Academy, Ste. 150 Irvine 92617-3053	Boston cdmsmith.com	\$10.9 million -2%	\$972 million -6%	48 0%	60% 40%	10%	20%	60%	10%	would not disclose	Steven Brewer senior VP (949) 752-5452
20 (20)	Leighton Consulting Inc. 17781 Cowan Irvine 92614-6009	Irvine leightongroup.com cperez@leightongroup.com	\$9.5 million 8%	\$10.2 million 13%	89 6%	70% 30%	12%	15%	38%	35%	Orange County Department of Public Works, Long Beach Unified School District, Port of Los Angeles, Los Angeles County of Public Works, Los Angeles Unified School District, Los Angeles County Chief Executive Office	Terry M. Brennan/Kris R. Lutton chairman/senior VP (949) 250-1421/(949) 250-1114
21 (18)	Bureau Veritas North America Inc. 1665 Scenic Ave., Ste. 200 Costa Mesa 92626-1407	Neuilly-sur-Seine, France bureauveritas.com contacthse@us.bureauveritas.com	\$9.4 million ⁽¹⁾ NA	\$95 million ⁽¹⁾ NA	105 ⁽¹⁾ NA	50% 50%	20%	10%	40%	30%	would not disclose	Gustavo Valdivia director, Southwest region (714) 431-4100/(714) 825-0685
22 (NR)	Jacob & Hefner Associates Inc. 15375 Barranca Parkway, Ste. J-101 Irvine 92618-2210	Downers Grove, Illinois jacobandhefner.com ebattle@jacobandhefner.com	\$9.1 million 15%	\$14.2 million 25%	46 18%	15% 85%	40%	20%	15%	25%	Aerospace, Superfunds, industrial, federal	Edward Battle VP (949) 453-1045/(949) 453-1047
23 (31)	Stantec 38 Technology Drive, Ste. 100 Irvine 92618-5312	Edmonton, Alberta stantec.com info@stantec.com	\$8.7 million 228%	\$567.4 million 27%	217 5%	47% 53%	wnd	wnd	wnd	wnd	Oil and gas companies, private developers, commercial and industrial clients, local municipalities	Eric C. Nielsen executive VP (949) 923-6000/(949) 923-6121
24 (22)	ICF International Inc. 1 Ada Parkway, Ste. 100 Irvine 92618-5339	Fairfax, Va. icf.com info@icf.com	\$6.4 million 39%	\$107.6 million 7%	44 5%	75% 25%	5%	25%	5%	65%	OCTA, OCPW, LACDPW, California High-Speed Rail Authority, Southern California Edison; cities of Santa Ana, Lake Forest; Port of Los Angeles, Caltrans	Charles Smith senior VP (949) 333-6600/(949) 333-6601
25 (25)	Ninyo & Moore 475 Goddard, Ste. 200 Irvine 92618-4622	San Diego ninyoandmoore.com nminquiries@ ninyoandmoore.com	\$5.3 million -1%	\$14 million 12%	113 -3%	60% 40%	10%	5%	50%	35%	would not disclose	Avram Ninyo principal engineer (949) 753-7070/(949) 753-7071
26 (26)	Glenn Lukos Associates Inc. 29 Orchard Lake Forest 92630-8300	Lake Forest wetlandpermitting.com glukos@wetlandpermitting.com	\$4.9 million 1%	\$4.9 million 1%	24 0%	25% 75%	0%	50%	0%	50%	Irvine Company, Lennar Corp., DR Horton Inc., K. Hovanian Homes, Metropolitan Water District, Rancho Mission Viejo Co.	Thienan Pfeiffer/Tricia Campbell/ Lexi Kessans/Glenn Lukos president/VP/secretary/treasurer (949) 837-0404/(949) 837-5834
27 (27)	UltraSystems Environmental 16431 Scientific Way Irvine 92618-4355	Irvine ultrasystems.com blindsay@ultrasystems.com	\$4.6 million 3%	\$4.6 million 3%	32 0%	80% 20%	10%	70%	10%	10%	would not disclose	Betsy A. Lindsay CEO/president (949) 788-4900/(949) 788-4901

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⁽¹⁾ Business Journal estimate

Researched by Dana Truong

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28 (28)	Chambers Group Inc. 5 Hutton Centre Drive, Ste. 750 Santa Ana 92707-8720	Santa Ana chambersgroupinc.com info@chambersgroupinc.com	\$3.9 million ⁽¹⁾ NA	\$3.9 million ⁽¹⁾ NA	58 ⁽¹⁾ NA	10% 90%	0%	100%	0%	0%	Orange and Los Angeles counties, Southwest Gas Co., Kiewit Pacific, Freedom Telecommunications, AT&T, California Water Services, Orange County Water District	Alex Gurrola CEO (949) 261-5414/(866) 261-3100
29 (29)	Project Navigator Ltd. 1 Point Drive, Ste. 320 Brea 92821-7626	Brea projectnavigator.com mschrepfer@projectnavigator.com	\$3.3 million 3%	\$5.1 million -6%	14 -30%	5% 95%	wnd	wnd	wnd	wnd	Chevron Corp., BP, Exxon Mobil, Shell	Ian A. Webster president (714) 388-1800/(714) 388-1839
30 (30)	Brown and Caldwell 18200 Von Karman Ave., Ste. 400 Irvine 92612-1025	Walnut Creek brownandcaldwell.com info@brvncald.com	\$3.1 million ⁽¹⁾ NA	\$79.6 million ⁽¹⁾ NA	46 ⁽¹⁾ NA	wnd	wnd	wnd	wnd	wnd	Orange County Sanitation District, City of Santa Barbara, CalPortland Company	Daniel Bunce/Marc Damikolas VPs (714) 730-7600/(714) 734-0940
31 (33)	Kleinfelder 2 Ada, Ste. 250 Irvine 92618-5334	San Diego kleinfelder.com	\$2.6 million 53%	\$115.9 million 48%	31 -28%	42% 58%	10%	35%	15%	40%	Petroleum, retail, industrial, manufacturing, governments, Department of Defense	Pamela Massa regional delivery manager (949) 727-4466/(949) 727-9242
32 (21)	FirstCarbon Solutions 250 Commerce, Ste. 250 Irvine 92602-1342	Irvine firstcarbonsolutions.com mcarchman@fcs-intl.com	\$2.5 million -5%	\$8.4 million -5%	45 13%	40% 60%	30%	25%	0%	45%	Anaheim, Costa Mesa, Irvine, Long Beach, Newport Beach, Seal Beach, Yorba Linda, Lennar Homes, Shea Properties, Oakmont Senior Living, Santa Ana USD, South Coast Water District, KTU&A, Seaview Investors, Shopoff Realty Investments	Robert Francisco president, North America (714) 508-4100/(714) 508-4110
33 (19)	Burns & McDonnell Engineering Co. 1 Pointe Drive, Ste. 540 Brea 92821-7634	Kansas City, Mo. burnsmcd.com efhall@burnsmcd.com	\$2.4 million 27%	\$61.2 million 14%	99 11%	10% 90%	5%	90%	5%	0%	Southern California Edison, San Diego Gas & Electric, Los Angeles Department of Water and Power, SoCal Gas, MetroLink	Renita Mollman VP (714) 256-1595/(714) 256-1764
34 (32)	ECORP Consulting Inc. 1801 Park Court Place, Bldg. B, Ste. 103 Santa Ana 92701-5002	Rocklin ecorpc consulting.com kkondor@ecorpc consulting.com	\$2.2 million -16%	\$14.2 million -1%	18 -10%	67% 33%	0%	100%	0%	0%	Los Angeles County Department of Public Works, Caltrans, Southern California Edison	Brant Brechbiel/Kathy Kondor VP, operations manager/director of marketing (714) 648-0630/(714) 648-0935
35 (34)	EarthCon Consultants Inc. 1914 W. Orangewood Ave., Ste. 102 Orange 92868-2068	Marietta, Ga. earthcon.com info@earthcon.com	\$1.2 million 10%	\$19.9 million 7%	7 0%	50% 50%	25%	10%	60%	5%	Petroleum, real estate, governmental	Jeffrey Bennett operations leader (714) 500-5400/(714) 960-2462
36 (23)	HDR Engineering Inc. 3230 El Camino Real, Ste. 200 Irvine 92602-1377	Omaha, Neb. hdrinc.com	\$1.1 million -16%	\$54.3 million -5%	130 -5%	44% 56%	wnd	wnd	wnd	wnd	would not disclose	George Little chairman/CEO (714) 730-2300/(714) 730-2301

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Researched by Dana Truong

6% Bump in Local Billings for Environmental Firms

Uptick Reverses Last Year's Slight Decline

■ By DEIRDRE NEWMAN

Orange County's largest environmental consultants, as ranked by local billings, experienced an increase last year in those numbers after a small decrease in 2015. The 36 firms on this year's list combined for about \$672 million in local billings for the year ended Dec. 31, a 6% increase over the approximate \$634 million reported the prior year.

Total local billings have zigged and zagged since at least 2011, the most notable change an 8% increase in 2014.

One interesting aspect of this year's list: two acquisitions announced in the past two weeks that involve the parent companies of firms with OC offices.

The firms on this year's list also added about 108 employees—growing payrolls from 3,489 to 3,597 for a 3% gain from February 2016 to February 2017.

Environmental consultants help clients adhere to regulations related to commercial development and other projects. Efforts can range from dealing with contaminated land to conducting environmental risk assessments on projects and devising programs to comply with environmental regulations.

Big Guys

Highlights atop the list and some of the largest increases and decreases, with numbers rounded, include:

■ Englewood, Colo.-based **CH2M Hill Cos.**, which kept the top spot with its Santa



Griffin Towers: offices in South Coast Metro area hold headquarters of list leader CH2M Hill

Ana office billing \$165 million, about a 1% decrease. The office also topped our September list of OC engineering firms with \$496 million in that sector's local billings for the year ended June 30.

■ The Irvine office of **Arcadis U.S. Inc.**, with headquarters in Highlands Ranch, Colo., saw an 82% increase from \$23 million to \$42 million, jumping to No. 5 from No. 7.

■ The largest percentage decrease among top 10 firms was that of the Irvine office of London-based **Amec Foster Wheeler Environment & Infrastructure**

Inc. Amec's Orange County office dropped 10% from 2015 to 2016, from \$20 million to \$18 million. **Hassan Amini**, local operations manager and principal hydrogeologist attributed the drop to the effect of the energy and oil markets.

"The price of oil in that period dropped from almost \$120 per barrel down to about \$40 at one point, maybe even lower," he said.

Aberdeen, Scotland-based **John Wood Group PLC** said on March 13 that it will buy Amec Foster Wheeler for stock worth about \$2.7 billion.

■ The Irvine office of **Stantec** had the

largest percentage increase on the overall list, growing billings from about \$3 million to about \$9 million. It moved up to No. 23 from No. 31.

Edmonton, Canada-based Stantec said on March 21 that it will sell its software business, **Innovyze**, to an affiliate of Stockholm-based international alternative investments firm **EQT** for \$270 million.

Debuts

Two companies debut on the list:

■ The Santa Ana office of Pittsburgh-based **Michael Baker International** came in at No. 10 with \$18 million in local billings—flat year-over-year, our research shows.

■ The Irvine office of **Jacob & Hefner Associates Inc.**, based in Downers Grove, Ill., placed No. 22 with \$9 million in local billings, up from \$8 million last year.

The two firms combined to employ 306 locally.

Jobs

Firms varied in their hiring practices—reflected in employee growth that averaged less than three new workers per firm across the list.

■ The Irvine office of **Kleinfelder**, whose headquarters are in San Diego, cut 12 employees, the most on the list, for a 28% drop from 43 to 31.

Jim Dill, senior principal professional, said via email that part of the decline was due to "three retirements [and] three transfers," and that the company plans to grow its geotechnical, environmental, engineering, and materials testing work this year.

"We have great people who will continue to help solve our clients' challenges." ■

