

ENR THE TOP 500

NUMBER 36

WINNING ENTRY

Dubai has been selected to host the 2020 World Expo, thanks in part to HOK's expo master plan, which includes the central pavilion, called Al Wasi.



Slow Market Recovery Leaves Firms Wanting More

The design profession has been hit hard over the past six years. By some estimates, as many as 40% of architects were unemployed during the height of the recession, in 2009. Engineers fared better but not by much. Everybody did more with less. Now, after several fits and starts over the past few years, the market finally is in recovery mode. It's no bull market, but strength is building.

This slow recovery can be seen in the data from ENR's Top 500 Design Firms list. Taken as a group, the Top 500 firms had design revenue of \$92.69 billion in

2013, up 2.7% from \$90.24 billion in 2012. This marks the third consecutive year the Top 500 experienced revenue growth since the recession began.

Market growth was modest on the domestic side. The Top 500 did see a 3.7% gain, to \$64.13 billion, in revenue from projects in the U.S. in 2013, from \$61.86 billion in 2012. This figure still has not reached the record \$68.14 billion in domestic design revenue generated in 2008. The international market was even softer: Revenue from projects outside the U.S. rose only 0.6%, to \$28.55 billion, in 2013.

Domestic public-sector markets did not fare well. Revenue from water-supply projects fell 5.6% in 2013 from 2012, and revenue from sewer and waste projects fell 5.1%. Hazardous-waste project revenue also was down in 2013, dropping 1.8%. Transportation was a bright spot in the U.S., rising 7.5%, to \$14.31 billion, fueled by a series of megaprojects.

AECOM once again topped ENR's Top 500 Design Firms list, where it has reigned for the past five years. In a major development, Michael S. Burke was named CEO on March 6, 2014, and continues as president. Burke succeeds John M. Dionisio, who becomes executive chairman of the firm.

Jacobs moved up to No. 2 on the list, powered by a series of major acquisitions over the past three years. In 2011, Jacobs acquired Aker Solutions' process-and-construction business, which consists of approximately 4,500 employees in the metals and mining markets. It also acquired KlingStubbins, a 500-person architect-engineer based in Philadelphia.

Industry consolidation continued apace in 2013. CB&I acquired Baton Rouge-based Shaw Group in February 2013. Shaw ranked at No. 13 on last year's Top 500. And Jacobs acquired Houston-based Eagleton Engineering LLC, which ranked at No. 198 last year.

Many firms are hoping for a more robust recovery. However, some executives believe a slow recovery may be a good thing. George Pierson, CEO of Parsons Brinckerhoff, says a more robust recovery may not be good for the industry, citing the potential for spikes in materials prices and possible labor shortages. "Plus, if the recovery is too quick, we risk another sudden downturn," he says. ■

How To Read the Tables

KEY TO TYPE OF FIRM

A architect, **E** engineer, **EC** engineer-contractor, **AE** architect-engineer, **EA** engineer-architect, **ENV** environmental, **GE** geotechnical engineer, **L** landscape architect, **P** planner and **O** other. Other combinations are possible. Firms classified themselves.

Companies are ranked according to revenue for design services performed in 2013 in \$ millions (*). Those with subsidiaries are indicated by (†). For information on subsidiaries and where each firm worked

outside of the U.S., see www.ENR.com. **Firms not ranked last year. Some markets may not add up to 100% due to omission of "other" miscellaneous market category and rounding. NA=Not available.

General Building as a category includes commercial buildings, offices, stores, educational facilities, government buildings, hospitals, medical facilities, hotels, apartments, housing, etc.

Hazardous Waste includes chemical and nuclear waste treatment,

asbestos and lead abatement, etc.

Industrial Process comprises pulp and paper mills, steel mills, non-ferrous metal refineries, pharmaceutical plants, chemical plants, food and other processing plants, etc.

Manufacturing includes auto, electronic assembly, textile plants, etc.

Petroleum includes refineries, petrochemical plants, offshore facilities, pipelines, etc.

Power comprises thermal and hydro-electric powerplants, waste-to-energy plants, transmission lines, substations, cogeneration plants, etc.

Sewerage, Solid Waste includes sanitary and storm sewers, treatment plants, pumping plants, incinerators, industrial waste facilities, etc.

Telecommunications comprises transmission lines and cabling, towers and antennae, data centers, etc.

Transportation includes airports, bridges, roads, canals, locks, dredging, marine facilities, piers, railroads, tunnels, etc.

Water Supply includes dams, reservoirs, transmission pipelines, distribution mains, irrigation canals, desalination and potability treatment plants, pumping stations, etc.

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
1	1	AECOM TECHNOLOGY CORP. , Los Angeles, Calif. †	EA	7,240.9	3,323.9	40	0	10	9	4	0	29	7	0
2	3	JACOBS , Pasadena, Calif.	AEC	6,820.2	3,691.2	12	5	5	2	1	43	15	5	1
3	2	URS CORP. , San Francisco, Calif. †	EAC	5,270.0	1,358.4	11	2	6	6	3	19	34	17	0
4	4	FLUOR CORP. , Irving, Texas †	EC	4,505.9	3,522.0	1	2	2	0	0	76	0	4	0
5	5	CH2M HILL , Englewood, Colo. †	EC	3,585.3	1,640.3	4	4	4	15	14	14	30	15	1
6	6	AMEC , Tucker, Ga. †	EC	2,978.0	1,902.0	5	3	9	2	1	45	7	7	0
7	8	TETRA TECH INC. , Pasadena, Calif. †	E	2,542.0	788.0	4	6	16	26	7	19	2	19	0
8	7	BECHTEL , San Francisco, Calif. †	EC	2,535.0	1,699.0	0	0	15	0	0	69	4	9	3
9	17	CB&I , The Woodlands, Texas †	EC	2,105.0	885.9	0	0	42	0	1	51	1	5	0
10	9	KBR , Houston, Texas †	EC	1,767.1	1,364.2	0	2	8	3	0	80	6	0	0
11	11	HDR , Omaha, Neb. †	EA	1,762.1	190.8	22	0	11	10	10	2	41	3	0
12	10	PARSONS BRINCKERHOFF , New York, N.Y. †	EA	1,724.1	924.4	14	0	16	2	0	0	66	0	0
13	15	PARSONS , Pasadena, Calif. †	EC	1,506.9	345.7	14	0	2	2	7	0	49	19	5
14	16	WORLEYPARSONS GROUP INC. , Bellaire, Texas †	EC	1,430.3	647.0	0	0	12	0	0	87	1	0	0
15	12	ARCADIS U.S./RTKL , Highlands Ranch, Colo. †	E	1,383.0	179.0	15	0	0	13	8	0	4	60	1
16	14	BLACK & VEATCH , Overland Park, Kan. †	EC	1,304.9	419.9	3	0	47	16	12	6	0	2	13
17	18	WOOD GROUP MUSTANG INC. , Houston, Texas †	EC	1,249.0	735.3	0	0	0	0	0	100	0	0	0
18	20	BURNS & MCDONNELL , Kansas City, Mo.	EAC	1,039.3	37.2	8	2	56	3	3	16	8	5	0
19	19	MWH GLOBAL , Broomfield, Colo. †	EC	942.9	563.7	4	0	14	39	39	0	4	0	0
20	22	GENSLER , San Francisco, Calif.	A	883.2	218.7	92	0	0	0	0	0	5	0	2
21	21	HNTB COS. , Kansas City, Mo.	EA	855.9	1.4	3	0	0	2	2	0	93	0	0
22	24	STANTEC INC. , Irvine, Calif. †	EAL	809.0	0.0	19	0	6	12	8	16	33	4	0
23	23	CDM SMITH , Cambridge, Mass. †	EC	752.9	144.7	4	0	2	23	26	3	25	16	0
24	25	LOUIS BERGER , Morristown, N.J. †	EAP	615.1	312.3	2	0	10	8	1	5	57	10	0
25	28	CDI CORP. , Philadelphia, Pa. †	EA	584.7	186.5	9	13	11	0	0	56	9	0	2
26	30	MICHAEL BAKER INTERNATIONAL , Moon Township, Pa. †	EA	574.4	3.2	16	0	0	18	7	7	45	7	0
27	26	CARDNO , Portland, Ore. †	E/ENV	571.5	15.2	11	0	4	3	1	38	17	14	1
28	29	SARGENT & LUNDY LLC , Chicago, Ill. †	E	521.7	78.5	0	0	100	0	0	0	0	0	0
29	**	FUGRO , Houston, Texas †	GE	480.0	40.0	0	0	21	6	0	25	2	0	0
30	32	TRC COS. INC. , Lowell, Mass. †	E	457.9	3.4	6	0	37	0	0	2	15	40	0
31	36	HATCH MOTT MACDONALD , Iselin, N.J. †	E	455.4	180.4	2	0	0	7	11	24	52	4	0
32	**	S&B ENGINEERS AND CONSTRUCTORS LTD. & AFFILIATES , Houston, Texas †	EC	446.3	0.0	0	0	0	0	0	98	2	0	0
33	39	KIMLEY-HORN AND ASSOCIATES INC. , Raleigh, N.C.	E	437.4	3.0	40	0	0	8	0	0	52	0	0
34	35	BUREAU VERITAS , Fort Lauderdale, Fla. †	E	430.2	0.0	13	13	6	2	2	37	8	11	1
35	38	TERRACON CONSULTANTS INC. , Olathe, Kan. †	E	422.9	0.5	46	2	6	3	3	7	14	16	2
36	37	HOK , St. Louis, Mo. †	AE	409.0	146.1	89	0	0	0	0	0	11	0	0
37	31	ATKINS NORTH AMERICA , Tampa, Fla. †	AE	376.9	18.3	12	1	5	13	5	9	53	0	1
38	41	PERKINS+WILL , Chicago, Ill. †	A	356.4	86.4	99	0	0	0	0	0	1	0	0
39	42	KLEINFELDER , San Diego, Calif. †	EA	344.4	22.2	13	1	2	13	10	4	19	39	1
40	34	LEIDOS , Reston, Va. †	EAC	342.5	12.5	9	5	35	0	2	11	6	1	1
41	45	SKIDMORE OWINGS & MERRILL LLP , New York, N.Y. †	AE	334.4	174.8	93	0	0	0	0	0	7	0	0
42	40	STV GROUP INC. , New York, N.Y. †	EA	320.0	2.8	15	0	0	0	0	4	81	0	0
43	52	POWER ENGINEERS INC. , Hailey, Idaho †	E	315.9	5.2	1	0	83	0	0	12	0	0	4
44	48	T.Y. LIN INTERNATIONAL , San Francisco, Calif. †	EA	313.7	170.4	13	0	0	1	1	0	84	0	0
45	44	DEWBERRY , Fairfax, Va. †	EA	307.8	0.5	35	0	3	16	6	0	36	1	2
46	50	BROWN AND CALDWELL , Walnut Creek, Calif. †	EC	307.0	0.0	0	0	0	18	52	0	0	30	0
47	47	AEGION CORP. , Chesterfield, Mo. †	EC	299.1	124.6	8	0	0	0	14	78	0	0	0
48	49	ENVIRON HOLDINGS INC. , Arlington, Va. †	ENV	292.9	103.5	0	0	0	0	4	0	0	0	0
49	51	GANNETT FLEMING , Harrisburg, Pa. †	EA	277.2	12.2	7	0	4	17	6	0	60	6	0
50	53	ZACHRY HOLDINGS INC. , San Antonio, Texas †	EC	273.6	0.0	0	0	89	0	0	10	1	0	0

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				TOTAL	INT'L									
51	60	PROFESSIONAL SERVICE INDUSTRIES (PSI), Oakbrook Terrace, Ill.	E	266.8	0.0	42	2	3	0	2	31	16	1	2
52	55	ARUP, New York, N.Y.†	E	259.1	16.2	46	0	0	1	0	11	42	0	1
53	54	WILLBROS GROUP INC., Houston, Texas†	EC	257.1	0.0	0	0	0	0	0	100	0	0	0
54	56	HKS INC., Dallas, Texas†	AE	255.1	36.2	98	0	0	0	0	0	2	0	0
55	57	GOLDER ASSOCIATES INC., Atlanta, Ga.†	EC	253.9	10.6	0	9	8	2	12	19	7	1	0
56	65	GULF INTERSTATE ENGINEERING CO., Houston, Texas†	EA	253.0	33.5	0	0	0	0	0	100	0	0	0
57	69	CHA CONSULTING INC., Albany, N.Y.†	EA	247.6	16.1	35	10	16	2	4	3	29	2	0
58	46	KIEWIT CORP., Omaha, Neb.†	EC	232.2	15.2	0	0	91	4	0	5	0	0	0
59	61	ENERCON SERVICES INC., Kennesaw, Ga.†	AE	230.1	5.1	0	0	98	0	0	1	0	0	0
60	62	GEOSYNTEC CONSULTANTS, Atlanta, Ga.†	E	220.7	45.1	0	0	6	8	17	8	3	56	0
61	71	UNIVERSALPEGASUS INTERNATIONAL INC., Houston, Texas†	E	217.0	47.0	0	0	0	0	0	100	0	0	0
62	63	CANNON DESIGN, Grand Island, N.Y.	AE	212.7	47.7	100	0	0	0	0	0	0	0	0
63	58	TRANSYSTEMS CORP., Kansas City, Mo.	EA	204.8	0.1	0	0	0	0	0	0	100	0	0
64	70	WSP USA, New York, N.Y.†	E	204.2	17.5	59	10	1	0	0	3	24	0	0
65	67	NBBJ, Seattle, Wash.†	A	197.3	52.3	100	0	0	0	0	0	0	0	0
66	68	GREENMAN-PEDERSEN INC., Babylon, N.Y.†	E	188.5	1.4	10	0	5	1	0	1	79	0	1
67	77	KOHN PEDERSEN FOX ASSOCIATES PC, New York, N.Y.†	A	177.7	135.6	82	0	0	0	0	0	18	0	0
68	64	WESTON SOLUTIONS INC., West Chester, Pa.	ENV	173.0	0.1	4	0	0	2	5	0	2	87	0
69	80	RS&H INC., Jacksonville, Fla.†	EA	171.1	0.0	7	14	0	0	0	0	79	0	0
70	85	LANGAN ENG'G AND ENVIRONMENTAL SERVICES INC., Elmwood Park, N.J.	E	165.0	12.1	39	2	0	8	8	12	5	24	1
71	73	SMITHGROUPJJR, Detroit, Mich.†	AE	163.0	13.1	100	0	0	0	0	0	0	0	0
72	75	HAZEN AND SAWYER PC, New York, N.Y.	E	162.6	5.1	0	0	0	30	70	0	0	0	0
73	87	CALLISON, Seattle, Wash.	A	160.9	88.0	98	0	0	0	0	0	0	0	2
74	81	KCI TECHNOLOGIES INC., Sparks, Md.†	E	160.0	0.0	14	0	1	6	7	0	45	2	22
75	72	STANLEY CONSULTANTS INC., Muscatine, Iowa†	E	159.0	33.4	3	0	46	2	13	0	36	0	0
76	78	VANASSE HANGEN BRUSTLIN INC. (VHB), Watertown, Mass.	E	157.5	0.0	29	0	5	2	0	0	64	0	1
77	82	PERKINS EASTMAN, New York, N.Y.†	A	155.0	38.8	100	0	0	0	0	0	0	0	0
78	114	M+W U.S. INC., Watervliet, N.Y.	EC	154.9	0.6	0	100	0	0	0	0	0	0	0
79	79	CAROLLO ENGINEERS INC., Walnut Creek, Calif.†	E	154.9	0.0	0	0	0	39	61	0	0	0	0
80	83	THE BABCOCK & WILCOX CO., Charlotte, N.C.†	EC	154.3	64.7	0	0	100	0	0	0	0	0	0
81	74	LEO A DALY, Omaha, Neb.†	AE	149.7	19.2	48	0	0	16	5	0	31	0	0
82	**	WOODS BAGOT, New York, N.Y.†	A	149.0	130.0	100	0	0	0	0	0	0	0	0
83	**	ENGLOBAL U.S. INC., Houston, Texas†	EC	147.0	20.0	0	0	0	0	0	100	0	0	0
84	89	WOODARD & CURRAN, Portland, Maine†	E	145.2	0.7	3	6	8	17	29	5	1	27	0
85	91	THORNTON TOMASETTI INC., New York, N.Y.	EA	145.0	38.6	95	0	0	0	0	0	4	0	1
86	86	SCS ENGINEERS, Long Beach, Calif.†	ENV	142.4	3.4	0	0	0	0	73	0	0	27	0
87	84	RUMMEL KLEPPER & KAHL LLP, Baltimore, Md.	E	139.1	0.0	1	0	0	3	10	3	84	0	0
88	88	MORRISON HERSHFIELD, Atlanta, Ga.†	EA	137.1	115.5	40	0	2	2	2	3	26	2	17
89	169	TRANSCORE, Nashville, Tenn.	EC	136.5	11.2	0	0	0	0	0	0	100	0	0
90	105	O'BRIEN & GERE, Syracuse, N.Y.†	EC	135.0	0.8	0	4	0	8	23	26	0	38	0
91	76	ECOLOGY & ENVIRONMENT INC., Lancaster, N.Y.†	ENV	134.9	47.0	2	1	28	6	6	25	4	24	0
92	**	MOFFATT & NICHOL, Long Beach, Calif.†	E	134.0	25.3	0	0	0	0	0	0	100	0	0
93	66	SSOE GROUP, Toledo, Ohio†	EP	133.0	11.8	9	47	5	0	0	39	0	0	0
94	100	JOHNSON, MIRMIRAN & THOMPSON INC., Sparks, Md.†	EA	132.2	0.0	3	0	0	0	6	0	91	0	0
95	113	ZGF ARCHITECTS LLP, Portland, Ore.	A	128.1	16.0	98	0	0	0	0	0	2	0	0
96	92	PENNONI ASSOCIATES INC., Philadelphia, Pa.†	E	127.6	0.4	28	0	0	2	4	1	29	4	2
97	126	SURVEYING AND MAPPING INC. (SAM INC.), Austin, Texas†	EO	127.5	0.0	1	0	13	0	0	71	15	0	0
98	90	FOTH COS., De Pere, Wis.†	E	126.9	7.4	0	0	0	5	6	73	8	8	0
99	111	GHAFAARI ASSOCIATES LLC, Dearborn, Mich.†	EA	125.6	28.6	9	69	0	0	0	4	18	0	0
100	93	BURNS AND ROE GROUP INC., Oradell, N.J.†	EA	122.7	58.2	34	0	66	0	0	0	0	0	0

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101	99	S&ME INC., Raleigh, N.C.	E	121.8	0.0	32	8	6	7	13	12	9	12	1
102	110	KADRMAS LEE & JACKSON INC. (KLJ), Bismarck, N.D.	E	121.2	0.0	0	0	8	6	7	14	39	0	11
103	98	ECS, Chantilly, Va. †	E	119.5	0.2	53	7	4	2	2	2	10	18	2
104	108	HAMMEL GREEN AND ABRAHAMSON INC. (HGA), Minneapolis, Minn.	AE	119.1	5.1	100	0	0	0	0	0	0	0	0
105	104	DAVID EVANS AND ASSOCIATES INC., Portland, Ore.	EA	117.8	0.0	20	0	16	4	1	0	54	0	0
106	118	VOLKERT INC., Mobile, Ala. †	E	116.0	0.0	4	0	0	0	3	0	92	0	0
107	112	KPFF CONSULTING ENGINEERS, Seattle, Wash. †	E	113.6	2.6	70	0	0	0	14	0	16	0	0
108	132	POPULOUS, Kansas City, Mo. †	A	111.8	31.4	100	0	0	0	0	0	0	0	0
109	102	GRESHAM, SMITH AND PARTNERS, Nashville, Tenn.	AE	110.4	1.1	46	5	0	3	14	2	29	0	0
110	59	EXP US SERVICES INC., Chicago, Ill. †	EA	110.3	3.1	44	0	0	5	0	3	16	0	32
111	101	DLR GROUP, Minneapolis, Minn.	AE	110.0	3.1	100	0	0	0	0	0	0	0	0
112	97	WOOLPERT INC., Dayton, Ohio †	AEP	110.0	0.0	23	0	0	0	12	0	11	0	0
113	103	MERRICK & CO., Greenwood Village, Colo. †	AE	109.0	10.9	18	0	9	9	9	31	0	0	9
114	117	WISS, JANNEY, ELSTNER ASSOCIATES INC., Northbrook, Ill.	EA	109.0	3.6	60	2	1	1	1	0	8	2	1
115	135	HARGROVE ENGINEERS + CONSTRUCTORS, Mobile, Ala. †	E	108.9	0.2	1	0	7	0	0	92	0	0	0
116	123	GZA GEOENVIRONMENTAL INC., Norwood, Mass. †	EC	107.9	0.5	9	0	16	5	1	0	15	53	0
117	124	GAI CONSULTANTS INC., Homestead, Pa. †	E	107.8	0.0	10	0	16	4	6	25	32	6	0
118	115	WHITMAN, REQUARDT & ASSOCIATES LLP, Baltimore, Md.	EA	106.6	0.0	22	0	0	11	12	0	52	0	0
119	139	CIVIL & ENVIRONMENTAL CONSULTANTS INC., Pittsburgh, Pa.	E	105.2	0.0	17	0	6	0	27	33	4	8	0
120	125	DLZ, Columbus, Ohio †	EA	105.1	10.3	6	0	12	4	38	5	33	2	0
121	95	AMBI TECH ENGINEERING CORP., Downers Grove, Ill.	E	105.0	8.5	0	0	2	0	0	98	0	0	0
122	122	GEI CONSULTANTS INC., Woburn, Mass. †	E	104.8	0.4	14	0	6	41	5	9	5	19	0
123	116	AFFILIATED ENGINEERS INC., Madison, Wis. †	E	104.1	5.1	83	3	3	0	0	10	0	0	1
124	121	SIMPSON GUMPERTZ & HEGER INC., Waltham, Mass.	E	103.9	12.5	63	7	14	3	0	0	12	0	0
125	94	MIDDOUGH INC., Cleveland, Ohio †	EA	101.0	10.0	11	23	17	0	0	49	0	0	0
126	134	HALEY & ALDRICH INC., Burlington, Mass. †	E	100.6	0.8	27	0	5	0	0	0	5	62	0
127	141	AUSENCO, Concord, Calif. †	E	100.0	83.0	0	0	0	0	0	100	0	0	0
128	119	PAGE, Washington, D.C.	AE	99.8	40.0	86	0	0	0	0	0	0	0	14
129	96	FREESE AND NICHOLS INC., Fort Worth, Texas	EA	98.5	0.0	4	1	0	47	20	14	13	0	0
130	128	ALFRED BENESCH & CO., Chicago, Ill.	E	98.0	0.0	1	0	0	2	2	0	93	2	0
131	140	CRB, Kansas City, Mo.	EA	96.9	5.6	7	2	0	0	0	90	0	0	1
132	129	CORGAN, Dallas, Texas †	A	95.1	2.4	47	0	0	0	0	0	28	0	25
133	**	APEX COS. LLC, Rockville, Md. †	ENV	94.6	0.0	14	10	0	3	38	11	6	7	10
134	136	SYSKA HENNESSY GROUP, New York, N.Y. †	E	93.9	7.7	52	0	0	0	0	0	3	0	45
135	148	HAKS ENGINEERS, ARCHITECTS AND LAND SURVEYORS, New York, N.Y.	EA	93.5	1.4	20	0	0	15	12	0	49	0	0
136	**	BRAUN INTERTEC CORP., Minneapolis, Minn. †	GE/ENV	92.3	0.0	32	4	13	2	2	23	21	0	0
137	109	EA ENGINEERING SCIENCE AND TECH. INC., Hunt Valley, Md. †	ENV	91.5	0.0	2	0	9	3	22	14	7	43	0
138	138	DAY & ZIMMERMANN, Philadelphia, Pa. †	EA	91.0	0.3	19	0	0	0	0	79	0	0	0
139	133	OLSSON ASSOCIATES, Lincoln, Neb.	E	90.4	0.0	36	0	2	12	4	7	18	2	2
140	120	H.W. LOCHNER INC., Chicago, Ill. †	E	88.4	0.0	0	0	0	0	0	0	100	0	0
141	166	VANDERWEIL ENGINEERS, Boston, Mass.	E	87.9	4.1	49	0	26	0	0	0	0	0	25
142	162	RCM TECHNOLOGIES INC., Pennsauken, N.J. †	E	86.9	33.1	6	28	65	0	0	1	0	0	0
143	131	SHORT ELLIOTT HENDRICKSON INC., St. Paul, Minn. †	E	85.5	0.0	13	0	0	8	6	9	52	12	1
144	150	CLARK NEXSEN PC, Norfolk, Va.	AE	84.7	4.4	62	0	0	0	3	5	17	0	4
145	151	EN ENGINEERING LLC, Warrenville, Ill.	E	84.5	1.2	0	0	0	0	0	100	0	0	0
146	137	C&S COS., Syracuse, N.Y.	EA	80.5	0.0	25	10	5	1	6	2	46	2	2
147	201	BOWMAN CONSULTING, Chantilly, Va.	E	78.2	0.0	61	0	0	0	1	23	9	0	0
148	155	MEAD & HUNT INC., Madison, Wis.	EA	78.1	0.0	13	0	3	4	0	3	71	0	4
149	152	HUITT-ZOLLARS INC., Dallas, Texas	EA	78.1	0.0	34	0	0	8	12	0	46	0	0
150	164	FLAD ARCHITECTS, Madison, Wis. †	AE	77.2	6.6	100	0	0	0	0	0	0	0	0

CB&I made the biggest jump in rankings among large firms after its 2012 acquisition of The Shaw Group Inc., which ranked No. 13 last year.

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
151	159	MCCORMICK TAYLOR INC., Philadelphia, Pa.	E	77.0	0.0	0	0	0	0	0	0	100	0	0
152	130	EYP ARCHITECTURE & ENGINEERING, Albany, N.Y.†	AE	75.0	0.0	100	0	0	0	0	0	0	0	0
153	145	GREELEY AND HANSEN LLC, Chicago, Ill.†	E	75.0	0.0	0	0	0	10	90	0	0	0	0
154	146	MULVANNYG2 ARCHITECTURE, Bellevue, Wash.	A	73.2	37.4	100	0	0	0	0	0	0	0	0
155	143	KENNEDY/JENKS CONSULTANTS, San Francisco, Calif.	EA	72.8	0.0	0	0	0	43	30	7	3	18	0
156	173	TECTONIC ENGINEERING & SURVEYING CONSULTANTS, Mountaintown, N.Y.†	E	72.7	0.0	35	0	2	2	2	0	34	0	24
157	147	BURGESS & NIPLE INC., Columbus, Ohio	EA	72.7	0.0	13	0	1	11	21	0	40	6	2
158	171	GPD GROUP, Akron, Ohio	AE	72.4	0.0	28	0	6	0	0	6	21	0	38
159	199	COWI NORTH AMERICA, Seattle, Wash.†	E	72.0	17.0	0	0	0	0	0	0	100	0	0
160	149	SWCA ENVIRONMENTAL CONSULTANTS, Phoenix, Ariz.	ENV	71.9	0.0	0	0	21	11	0	40	9	0	0
161	207	BROWN & GAY ENGINEERS INC., Houston, Texas	E	71.6	0.0	0	0	0	34	33	0	34	0	0
162	142	HMC ARCHITECTS, Los Angeles, Calif.	A	71.6	0.3	100	0	0	0	0	0	0	0	0
163	153	HANSON PROFESSIONAL SERVICES INC., Springfield, Ill.†	EA	70.6	0.5	10	0	5	4	1	2	74	1	2
164	193	ANVIL CORP., Bellingham, Wash.†	E	70.0	0.0	0	0	0	0	0	100	0	0	0
165	192	HEERY INTERNATIONAL INC., Atlanta, Ga.	AEC	69.5	0.2	87	0	0	0	0	0	13	0	0
166	168	HALFF ASSOCIATES INC., Richardson, Texas	EA	69.4	0.0	8	0	0	31	20	5	26	4	0
167	157	EWINGCOLE, Philadelphia, Pa.	AE	69.4	0.0	83	0	0	0	0	17	0	0	0
168	223	THE LAUREN CORP., Abilene, Texas†	E	69.4	46.0	0	0	3	0	0	97	0	0	0
169	165	WATG / WIMBERLY INTERIORS, Irvine, Calif.	A	69.3	62.3	100	0	0	0	0	0	0	0	0
170	144	SMITH SECKMAN REID INC., Nashville, Tenn.†	E	69.2	1.8	74	2	0	9	1	1	12	0	0
171	163	BARGE WAGGONER SUMNER & CANNON INC., Nashville, Tenn.†	EA	68.8	0.0	38	19	0	8	11	1	13	4	1
172	181	WALDEMAR S. NELSON AND CO. INC., New Orleans, La.	EA	68.6	29.6	1	0	3	0	2	68	2	1	0
173	189	AKF GROUP LLC, New York, N.Y.†	E	67.5	3.7	96	1	1	0	0	0	1	0	1
174	167	HENDERSON ENGINEERS INC., Lenexa, Kan.†	E	67.4	0.9	99	0	0	0	0	0	0	0	0
175	154	PSOMAS, Culver City, Calif.	E	66.8	0.0	25	0	17	13	9	0	34	1	0
176	206	BARTLETT & WEST INC., Topeka, Kan.	E	65.9	0.0	2	0	0	22	7	16	53	0	0
177	180	PROCESSES UNLIMITED INTERNATIONAL INC., Bakersfield, Calif.†	E	65.5	0.0	0	0	7	0	0	93	0	0	0
178	256	ELECTRICAL CONSULTANTS INC., Billings, Mont.†	E	65.0	1.0	0	0	88	0	0	12	0	0	0
179	184	WILSON & CO. INC., ENGINEERS & ARCHITECTS, Albuquerque, N.M.	EA	64.9	0.0	6	0	5	4	2	11	58	0	0
180	174	STRAND ASSOCIATES INC., Madison, Wis.	E	63.5	0.0	0	0	0	8	37	4	39	0	0
181	202	GARVER, North Little Rock, Ark.	EA	62.9	0.0	6	0	1	10	15	0	69	0	0
182	175	DOWL HKM, Anchorage, Alaska	E	62.3	0.0	44	0	0	6	5	0	45	0	0
183	204	PAPE-DAWSON ENGINEERS INC., San Antonio, Texas	E	62.1	0.0	74	0	0	5	3	0	16	2	0
184	183	AMERICAN STRUCTUREPOINT INC., Indianapolis, Ind.	EA	61.6	0.0	21	5	0	8	11	0	51	0	4
185	188	MESA ASSOCIATES INC., Madison, Ala.	EA	61.1	0.1	0	2	89	0	0	10	0	0	0
186	156	WEIDLINGER ASSOCIATES INC., New York, N.Y.†	E	60.5	4.5	32	0	0	0	0	0	34	0	0
187	281	LJA ENGINEERING INC., Houston, Texas	E	60.2	0.0	5	0	0	20	20	7	40	0	0
188	205	WALTER P MOORE, Houston, Texas	E	60.0	3.7	79	0	3	1	2	1	14	0	0
189	186	AMMANN & WHITNEY, New York, N.Y.	EA	59.4	0.3	12	0	0	0	0	0	88	0	0
190	182	ROBERT A.M. STERN ARCHITECTS LLP (RAMSA), New York, N.Y.†	A	59.2	20.3	100	0	0	0	0	0	0	0	0
191	179	THE BURKE GROUP, Rosemont, Ill.†	E	59.0	0.0	39	5	0	9	5	0	27	0	0
192	160	CUNINGHAM GROUP ARCHITECTURE INC., Minneapolis, Minn.	A	58.5	5.4	100	0	0	0	0	0	0	0	0
193	214	MASER CONSULTING PA, Red Bank, N.J.	E	58.4	0.0	33	0	3	5	7	2	16	5	5
194	212	SHW GROUP, Plano, Texas†	AE	58.0	0.4	100	0	0	0	0	0	0	0	0
195	215	SHANNON & WILSON INC., Seattle, Wash.	GE	57.2	0.8	14	0	10	7	10	4	52	3	0
196	190	BERGMANN ASSOCIATES INC., Rochester, N.Y.†	AEP	57.1	1.7	48	6	0	2	0	4	36	0	0
197	220	GEOENGINEERS INC., Seattle, Wash.	GE/E	57.1	0.8	31	0	2	11	2	16	8	19	0
198	161	WESTON & SAMPSON, Peabody, Mass.†	E	56.8	0.0	0	0	2	30	47	0	12	8	0
199	197	NEEL-SCHAFFER INC., Jackson, Miss.†	E	56.2	0.0	0	0	0	7	3	0	48	10	4
200	196	HARDESTY & HANOVER LLC, New York, N.Y.	E	55.9	0.0	0	0	0	0	0	0	100	0	0

BURNS & MCDONNELL topped the \$1-billion mark in design revenue for the first time in 2013, thanks to major design-build and EPC projects.

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				TOTAL	INT'L									
201	225	VOA ASSOCIATES INC., Chicago, Ill.†	A	55.6	14.5	100	0	0	0	0	0	0	0	0
202	187	WHPACIFIC INC., Colorado Springs, Colo.	EA	55.3	1.0	41	1	1	9	2	10	30	4	1
203	222	PARKHILL, SMITH & COOPER INC., Lubbock, Texas†	EA	55.0	3.5	51	0	0	24	11	0	12	0	0
204	254	SOLOMON CORDWELL BUENZ, Chicago, Ill.	A	54.9	0.5	100	0	0	0	0	0	0	0	0
205	259	EMH&T, Columbus, Ohio	E	54.8	0.0	57	0	0	7	11	0	25	0	0
206	170	RETTEW ASSOCIATES INC., Lancaster, Pa.†	E	54.7	0.0	7	6	3	0	0	62	5	0	4
207	210	SCHNABEL ENGINEERING INC., Glen Allen, Va.†	GE	54.5	0.0	24	0	7	33	3	0	22	3	0
208	194	PARAMETRIX, Auburn, Wash.	E	54.5	0.0	4	0	1	7	14	2	52	10	0
209	228	T&M ASSOCIATES, Middletown, N.J.†	E	54.2	0.0	9	0	4	7	20	2	50	7	0
210	203	KJWW ENGINEERING CONSULTANTS, Rock Island, Ill.	E	53.9	0.5	100	0	0	0	0	0	0	0	0
211	208	SHIVE-HATTERY INC., Cedar Rapids, Iowa	EA	53.9	0.3	64	13	0	2	1	0	8	0	7
212	221	MCKIM & CREED INC., Raleigh, N.C.	E	53.5	0.0	2	1	16	15	22	16	23	0	0
213	245	FARNSWORTH GROUP INC., Bloomington, Ill.	EA	53.1	0.0	40	2	0	3	12	27	5	0	0
214	239	CRAWFORD, MURPHY & TILLY INC., Springfield, Ill.	E	53.0	0.0	0	0	0	9	13	0	74	0	0
215	216	STELLAR, Jacksonville, Fla.	EA	51.9	19.8	22	0	1	0	0	77	0	0	0
216	232	BKF ENGINEERS, Redwood City, Calif.	E	51.6	0.0	71	0	0	0	3	0	26	0	0
217	235	A. MORTON THOMAS AND ASSOCIATES INC., Rockville, Md.	E	51.1	0.0	20	0	0	4	7	0	69	0	0
218	195	NINYO & MOORE, San Diego, Calif.	GE	51.0	0.8	14	4	6	13	11	5	15	20	5
219	231	ALTRAN, Bordentown, N.J.†	EA	50.9	1.0	0	0	95	0	0	5	0	0	0
220	236	ORBITAL ENGINEERING INC., Pittsburgh, Pa.	E	50.6	1.5	0	0	9	0	0	87	4	0	0
221	267	JONES & CARTER INC., Houston, Texas†	E	50.3	0.0	27	0	0	11	16	0	4	0	0
222	234	BOLTON & MENK INC., Mankato, Minn.	E	50.2	0.0	0	0	0	7	17	0	36	0	0
223	209	FISHBECK THOMPSON CARR & HUBER, Grand Rapids, Mich.	AE	50.1	0.5	47	0	0	6	12	11	15	7	0
224	244	WADE TRIM, Detroit, Mich.†	E	48.8	0.0	0	0	0	15	55	2	19	0	0
225	218	EFI GLOBAL INC., Humble, Texas†	EC	48.3	0.1	78	0	0	0	0	0	0	20	0
226	271	LS3P, Charleston, S.C.	A	47.9	0.0	93	0	0	0	0	0	7	0	0
227	211	ULTEIG ENGINEERS INC., Fargo, N.D.	E	47.6	0.4	3	0	59	2	1	0	19	0	3
228	247	LPA INC., Irvine, Calif.	A	47.5	0.0	100	0	0	0	0	0	0	0	0
229	200	TTG, Pasadena, Calif.†	E	47.4	3.5	83	0	4	3	1	0	7	0	2
230	176	ENNEAD ARCHITECTS LLP, New York, N.Y.	A	47.3	2.4	100	0	0	0	0	0	0	0	0
231	243	NV5 HOLDINGS INC., Hollywood, Fla.†	E	47.3	0.5	11	0	20	11	4	0	43	1	10
232	275	MAGNUSSON KLEMENCIC ASSOCIATES INC., Seattle, Wash.	E	46.9	7.7	88	0	0	0	0	0	8	0	0
233	261	MS CONSULTANTS INC., Columbus, Ohio	EA	46.3	0.0	16	0	0	11	6	0	64	0	0
234	178	FENTRESS ARCHITECTS, Denver, Colo.†	A	46.2	0.8	43	0	0	0	0	0	57	0	0
235	233	CTA ARCHITECTS ENGINEERS, Billings, Mont.	AE	45.9	1.5	100	0	0	0	0	0	0	0	0
236	227	BARD RAO+ATHANAS CONSULTING ENGINEERS LLC, Watertown, Mass.	E	45.7	5.0	100	0	0	0	0	0	0	0	0
237	213	FAY SPOFFORD & THORNDIKE, Burlington, Mass.†	E	45.2	0.0	20	0	0	13	15	0	52	0	0
238	270	ESD (ENVIRONMENTAL SYSTEMS DESIGN INC.), Chicago, Ill.	E	45.2	2.3	74	0	0	0	0	0	1	0	26
239	255	AKRF INC., New York, N.Y.	ENV/E	45.1	0.0	42	0	9	7	0	0	27	16	0
240	**	CSD ENGINEERS LLC, Pittsburgh, Pa.	E	45.0	0.0	4	11	7	0	0	78	0	0	0
241	264	H2M ARCHITECTS + ENGINEERS, Melville, N.Y.†	EA	45.0	0.0	22	0	0	31	8	0	9	30	0
242	**	PGAL, Houston, Texas	AE	44.5	0.2	24	0	0	0	0	0	69	0	0
243	251	GOODWYN MILLS & CAWOOD INC., Montgomery, Ala.	AE	44.3	0.0	0	0	0	0	0	0	0	0	0
244	308	SHAFFER, KLINE & WARREN INC., Lenexa, Kan.†	E	44.2	0.0	11	0	21	4	4	52	6	0	0
245	299	ENSAFE INC., Memphis, Tenn.†	ENV	44.1	0.5	0	0	0	0	0	0	0	100	0
246	265	UNIVERSAL ENGINEERING SCIENCES INC., Orlando, Fla.	GE	44.0	0.0	33	0	2	2	1	1	25	0	0
247	253	WD PARTNERS, Dublin, Ohio	A	44.0	9.7	100	0	0	0	0	0	0	0	0
248	**	ATWELL, Southfield, Mich.†	E	43.6	2.0	22	9	32	0	4	15	1	0	0
249	284	HARLEY ELLIS DEVEREAUX, Southfield, Mich.†	AE	43.5	0.5	100	0	0	0	0	0	0	0	0
250	257	FUSS & O'NEILL INC., Manchester, Conn.†	E	43.4	0.3	16	5	2	6	14	16	7	34	0

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
251	226	SRF CONSULTING GROUP INC., Plymouth, Minn.	E	43.0	0.0	0	0	0	0	0	0	100	0	0
252	266	COFFMAN ENGINEERS INC., Seattle, Wash.	AE	42.8	0.3	42	15	7	0	0	20	4	0	0
253	177	IPS - INTEGRATED PROJECT SERVICES INC., Blue Bell, Pa.†	EA	42.8	10.6	0	1	0	0	0	99	0	0	0
254	250	TIGHE & BOND INC., Westfield, Mass.	E	42.8	0.0	16	0	5	18	30	0	9	22	0
255	276	PBK, Houston, Texas	EA	42.6	0.0	100	0	0	0	0	0	0	0	0
256	238	DANNENBAUM ENGINEERING CORP., Houston, Texas†	E	42.5	0.0	0	0	0	23	4	0	61	0	0
257	268	PARTNER ENGINEERING AND SCIENCE INC., Torrance, Calif.	ENV	42.3	0.0	96	0	0	0	0	0	0	3	1
258	324	WARE MALCOMB, Irvine, Calif.	A	42.2	4.1	95	5	0	0	0	0	0	0	0
259	367	ECC, Burlingame, Calif.†	EC	42.0	9.2	97	0	0	0	2	0	1	0	0
260	240	BALLINGER, Philadelphia, Pa.	AE	41.7	0.0	100	0	0	0	0	0	0	0	0
261	224	RABA KISTNER INC., San Antonio, Texas†	E	41.6	1.5	55	0	1	3	1	3	36	0	0
262	**	INFRASTRUCTURE CORP. OF AMERICA, Brentwood, Tenn.†	E	41.5	0.0	0	0	0	0	0	0	100	0	0
263	283	WALKER PARKING CONSULTANTS, Elgin, Ill.†	EC	41.3	2.9	100	0	0	0	0	0	0	0	0
264	**	WHR ARCHITECTS INC., Houston, Texas†	A	41.1	4.0	100	0	0	0	0	0	0	0	0
265	300	HGA (HUNT, GUILLOT, & ASSOCIATES), Ruston, La.	E	41.1	0.0	0	9	0	0	0	91	0	0	0
266	314	THOMPSON ENGINEERING, Mobile, Ala.†	EA	40.9	0.0	16	9	3	6	2	19	40	4	0
267	263	CENTURY ENGINEERING INC., Hunt Valley, Md.	E	40.7	0.0	26	0	0	0	0	0	61	0	0
268	229	ATCS PLC, Herndon, Va.	E	40.6	0.0	1	0	0	5	2	0	74	0	0
269	295	HUMPHREYS & PARTNERS ARCHITECTS LP, Dallas, Texas†	AE	40.5	0.9	100	0	0	0	0	0	0	0	0
270	291	TIMMONS GROUP, Richmond, Va.	E	40.4	0.0	82	0	0	5	5	0	9	0	0
271	241	H&A ARCHITECTS AND ENGINEERS, Glen Allen, Va.	EA	40.3	20.8	93	0	3	0	0	0	0	0	3
272	279	REMINGTON & VERNICK ENGINEERS INC., Haddonfield, N.J.†	E	40.3	0.0	23	6	0	24	31	0	12	0	0
273	**	NELSON, Philadelphia, Pa.†	AEP	40.3	0.9	96	0	0	0	0	1	0	0	2
274	292	J-U-B ENGINEERS INC., Boise, Idaho	E	40.2	0.0	0	0	0	12	37	0	45	0	0
275	258	AYRES ASSOCIATES, Eau Claire, Wis.	EA	40.0	0.0	6	0	0	15	6	0	50	1	0
276	274	BURY, Austin, Texas†	E	39.6	0.0	77	0	0	4	2	2	2	0	1
277	396	COBB, FENDLEY & ASSOCIATES INC., Houston, Texas†	E	39.6	0.0	10	0	0	9	6	4	51	0	8
278	262	URBAN ENGINEERS INC., Philadelphia, Pa.†	E	39.5	0.0	1	0	0	0	0	3	91	4	0
279	185	HR GREEN INC., Cedar Rapids, Iowa†	EA	39.4	0.0	8	0	1	11	27	0	50	1	0
280	278	SPEC SERVICES INC., Fountain Valley, Calif.	E	39.4	0.0	0	0	0	0	0	99	0	0	0
281	376	FXFOWLE ARCHITECTS, New York, N.Y.	A	39.4	7.7	100	0	0	0	0	0	0	0	0
282	296	SHEPLEY BULFINCH RICHARDSON & ABBOTT, Boston, Mass.	A	39.3	1.8	100	0	0	0	0	0	0	0	0
283	242	BOSWELL ENGINEERING, South Hackensack, N.J.†	E	39.3	0.0	2	0	0	3	13	0	82	0	0
284	321	ADD INC., Boston, Mass.	A	39.0	0.0	100	0	0	0	0	0	0	0	0
285	342	BL COS. INC., Meriden, Conn.	AE	39.0	0.0	43	1	18	0	0	18	13	2	0
286	**	ROLF JENSEN & ASSOCIATES INC., Chicago, Ill.†	E	39.0	7.7	83	10	0	0	0	3	3	0	0
287	277	WUNDERLICH-MALEC ENGINEERING INC., Minnetonka, Minn.†	E	39.0	0.7	9	26	5	0	8	51	0	0	0
288	260	FROEHLING & ROBERTSON INC., Richmond, Va.	GE	38.8	4.4	49	3	4	8	1	11	18	3	3
289	273	T. BAKER SMITH LLC, Houma, La.	E	38.8	0.0	3	2	3	1	4	73	11	1	2
290	316	MOSELEY ARCHITECTS, Richmond, Va.†	AE	38.7	0.0	100	0	0	0	0	0	0	0	0
291	318	PAULUS SOKOLOWSKI & SARTOR LLC, Warren, N.J.†	EA	38.5	0.3	36	0	13	1	14	23	0	13	0
292	172	JACOBS ASSOCIATES, San Francisco, Calif.	E	38.4	3.2	3	0	4	20	23	0	50	0	0
293	346	MATRIX TECHNOLOGIES INC., Maumee, Ohio	E	38.2	0.8	0	43	0	0	0	42	0	0	0
294	282	BEYER BLINDER BELLE ARCHITECTS & PLANNERS LLP, New York, N.Y.†	A	38.1	2.4	68	0	0	0	0	3	3	0	0
295	298	DVIRKA AND BARTILUCCI CONSULTING ENGINEERS, Woodbury, N.Y.	E	38.0	0.1	0	0	0	6	73	0	6	15	0
296	280	COLLINS ENGINEERS INC., Chicago, Ill.	E	37.9	1.4	2	1	0	0	1	3	92	0	0
297	269	COOPER CARRY INC., Atlanta, Ga.	A	37.7	0.3	100	0	0	0	0	0	0	0	0
298	287	T.J. CROSS ENGINEERS INC., Bakersfield, Calif.	E	37.6	0.0	0	0	1	0	0	98	0	0	0
299	317	PND ENGINEERS INC., Anchorage, Alaska	E	37.6	2.8	14	0	0	24	0	0	62	0	0
300	359	PAYETTE, Boston, Mass.	A	37.3	4.5	100	0	0	0	0	0	0	0	0

HOK announced, in December 2013, that it had acquired the New York City and Shanghai offices of architect and interiors design firm BBG-BBGM.

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
301	272	C.H. FENSTERMAKER & ASSOCIATES, Lafayette, La.	E	37.3	0.0	0	0	0	0	0	88	12	0	0
302	304	TKDA, St. Paul, Minn.	EA	37.1	0.0	10	4	0	1	10	7	68	0	0
303	343	THE THRASHER GROUP INC., Bridgeport, W.Va.	EA	37.1	0.0	10	0	0	15	20	30	3	0	0
304	328	LITTLE, Charlotte, N.C.	AE	37.0	0.4	100	0	0	0	0	0	0	0	0
305	344	BWBR, St. Paul, Minn.	A	37.0	0.0	80	20	0	0	0	0	0	0	0
306	322	BRPH ARCHITECTS-ENGINEERS INC., Melbourne, Fla.†	EA	36.5	0.8	72	28	0	0	0	0	0	0	0
307	390	RMA GROUP INC., Rancho Cucamonga, Calif.	GE	36.5	0.0	20	0	0	7	3	0	71	0	0
308	394	MOODY NOLAN INC., Columbus, Ohio	AE	36.1	0.0	100	0	0	0	0	0	0	0	0
309	302	FEHR & PEERS, Walnut Creek, Calif.	E	36.0	0.1	0	0	0	0	0	0	100	0	0
310	335	MODJESKI AND MASTERS INC., Mechanicsburg, Pa.	E	35.7	0.0	0	0	0	0	0	0	100	0	0
311	294	POND & CO., Atlanta, Ga.†	EA	35.3	3.2	37	0	0	0	0	35	27	0	0
312	349	GREENBERGFARROW, Atlanta, Ga.	AE	35.0	1.1	100	0	0	0	0	0	0	0	0
313	329	PROFESSIONAL ENGINEERING CONSULTANTS PA, Wichita, Kan.	E	34.9	0.0	37	11	0	12	9	0	18	0	0
314	333	RDK ENGINEERS, Andover, Mass.†	E	34.8	0.0	94	0	0	0	0	0	3	0	4
315	353	LIONAKIS, Sacramento, Calif.	AE	34.8	0.0	100	0	0	0	0	0	0	0	0
316	383	INTEGRAL GROUP, Oakland, Calif.†	E	34.8	20.8	95	0	0	0	0	0	4	0	2
317	289	TLC ENGINEERING FOR ARCHITECTURE INC., Orlando, Fla.	E	34.7	2.4	93	0	0	0	0	0	7	0	0
318	337	DESIMONE CONSULTING ENGINEERS, New York, N.Y.	E	34.6	2.8	100	0	0	0	0	0	0	0	0
319	301	CRAFTON TULL, Rogers, Ark.	EA	34.4	0.0	42	0	0	1	1	43	13	0	0
320	330	MSA PROFESSIONAL SERVICES INC., Baraboo, Wis.	EA	34.4	0.0	5	0	0	8	20	0	19	0	0
321	285	STUDIOS ARCHITECTURE, Washington, D.C.	A	34.3	9.8	100	0	0	0	0	0	0	0	0
322	246	HLW INTERNATIONAL LLP, New York, N.Y.†	AE	34.0	7.0	100	0	0	0	0	0	0	0	0
323	381	LHB INC., Duluth, Minn.	EA	34.0	0.0	29	6	0	0	0	44	18	0	0
324	326	MORRISON-MAIERLE INC., Helena, Mont.†	E	34.0	0.4	15	1	0	1	33	2	32	0	0
325	323	CP&Y INC., Dallas, Texas†	E	33.5	0.0	0	0	0	21	17	0	57	0	0
326	248	HARRIS GROUP INC., Seattle, Wash.	E	33.5	0.0	1	20	13	0	4	56	8	0	0
327	397	PCI SKANSKA, Evansville, Ind.	EA	33.5	0.0	1	11	37	0	0	51	0	0	0
328	336	GUERNSEY, Oklahoma City, Okla.	EA	33.3	0.0	33	0	49	5	0	1	5	1	0
329	318	RMF ENGINEERING INC., Baltimore, Md.	E	33.3	0.0	48	1	18	0	0	0	0	0	2
330	380	HIGHLAND ASSOCIATES LTD., Clarks Summit, Pa.†	AE	33.2	0.5	68	5	0	0	0	0	0	0	27
331	306	EPSTEIN, Chicago, Ill.†	AE	33.2	4.6	55	21	0	0	0	9	15	0	0
332	297	MARK THOMAS & CO. INC., San Jose, Calif.	E	33.0	0.0	0	0	0	0	0	0	100	0	0
333	418	MCLAREN ENGINEERING GROUP, West Nyack, N.Y.†	E	32.9	1.1	63	0	3	1	2	0	29	0	0
334	363	DRMP INC., Orlando, Fla.†	E	32.8	0.0	9	0	0	0	0	0	62	0	0
335	311	ERDMAN ANTHONY, Rochester, N.Y.	E	32.7	0.0	13	3	2	4	3	2	72	0	1
336	327	C&I ENGINEERING, Louisville, Ky.	E	32.5	0.0	0	0	1	0	0	99	0	0	0
337	332	BUCHART-HORN INC./BASCO ASSOCIATES, York, Pa.†	EA	32.4	5.0	29	2	2	10	19	0	32	1	1
338	**	ALFA TECH CONSULTING ENTERPRISES INC., San Jose, Calif.†	E	31.9	5.0	37	18	0	0	0	0	0	0	44
339	350	ON-BOARD ENGINEERING CORP., East Windsor, N.J.†	E	31.8	6.5	8	6	7	0	0	76	3	0	0
340	372	CLARK PATTERSON LEE, Rochester, N.Y.	EA	31.6	0.0	42	0	0	13	15	0	23	0	0
341	358	THE RBA GROUP, Parsippany, N.J.	EA	31.5	0.0	4	0	0	2	2	0	91	2	0
342	312	ADRIAN SMITH + GORDON GILL ARCHITECTURE, Chicago, Ill.	A	31.4	28.6	100	0	0	0	0	0	0	0	0
343	325	LARSON DESIGN GROUP, Williamsport, Pa.	EA	31.4	0.0	24	0	1	3	7	21	32	0	0
344	341	GRAEF-USA INC., Milwaukee, Wis.	EA	31.3	0.0	30	9	0	7	11	4	39	0	0
345	338	CTL ENGINEERING INC., Columbus, Ohio†	E	31.2	0.0	35	5	1	3	2	16	20	2	12
346	365	O'NEAL INC., Greenville, S.C.†	EC	31.2	0.0	0	29	0	0	0	71	0	0	0
347	347	LABELLA ASSOCIATES PC, Rochester, N.Y.†	EA	31.2	0.3	22	0	11	13	5	4	27	13	0
348	310	PAUL C. RIZZO ASSOCIATES INC., Pittsburgh, Pa.†	E	30.9	13.1	0	0	100	0	0	0	0	0	0
349	377	COMMONWEALTH ASSOCIATES INC., Jackson, Mich.	E	30.9	0.0	0	0	100	0	0	0	0	0	0
350	**	HORROCKS ENGINEERS, Pleasant Grove, Utah	E	30.8	0.0	0	0	0	4	5	0	64	0	5

LEIDOS is part of the technology group that was spun off from Science Application International Corp. (SAIC) in September 2013.

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
351	456	THE BECK GROUP, Dallas, Texas†	A	30.6	0.0	98	0	0	0	0	1	0	0	0
352	360	WENDEL LLC, Buffalo, N.Y.†	AE	30.6	0.0	44	0	0	6	6	0	20	0	3
353	373	SOIL AND MATERIALS ENGINEERS INC., Plymouth, Mich.	E	30.5	0.0	25	1	12	8	2	2	3	22	26
354	345	WDG ARCHITECTURE, Washington, D.C.†	A	30.5	0.0	100	0	0	0	0	0	0	0	0
355	369	WOOD RODGERS INC., Sacramento, Calif.	E	30.5	0.0	44	0	2	34	0	0	19	0	0
356	340	OTAK INC., Portland, Ore.†	EA	30.3	4.1	27	0	0	11	14	1	24	0	0
357	408	CCRD PARTNERS, Houston, Texas	E	30.3	0.9	100	0	0	0	0	0	0	0	0
358	315	KISINGER CAMPO & ASSOCIATES CORP., Tampa, Fla.†	E	30.2	0.0	0	0	0	0	0	0	100	0	0
359	**	GEO-TECHNOLOGY ASSOCIATES INC., Abingdon, Md.†	E	30.1	0.0	49	6	0	1	0	0	3	0	8
360	366	BURO HAPPOLD CONSULTING ENGINEERS, New York, N.Y.†	E	30.0	0.0	100	0	0	0	0	0	0	0	0
361	309	CBT/CHILDS BERTMAN TSEKARES INC., Boston, Mass.†	A	30.0	1.5	98	0	0	0	0	0	0	0	0
362	384	DAHLIN GROUP ARCHITECTURE PLANNING, Pleasanton, Calif.	AP	30.0	15.0	100	0	0	0	0	0	0	0	0
363	361	CO ARCHITECTS, Los Angeles, Calif.†	A	30.0	0.0	100	0	0	0	0	0	0	0	0
364	393	JONES, EDMUNDS & ASSOCIATES INC., Gainesville, Fla.†	E	29.9	0.0	14	0	0	9	55	0	22	0	0
365	290	AYERS SAINT GROSS, Baltimore, Md.	A	29.8	0.6	100	0	0	0	0	0	0	0	0
366	375	BARTON & LOGUIDICE DPC, Syracuse, N.Y.†	E	29.7	0.0	2	4	2	16	34	0	26	3	0
367	331	CPH INC., Sanford, Fla.	EA	29.6	3.2	21	0	0	15	15	0	10	0	0
368	334	SEBESTA INC., St. Paul, Minn.	E	29.6	1.6	71	17	10	0	0	0	1	0	2
369	401	WRIGHT-PIERCE, Topsham, Maine†	E	29.5	0.0	0	0	0	18	74	6	1	0	0
370	454	ZIEGLER COOPER ARCHITECTS, Houston, Texas†	A	29.3	0.0	100	0	0	0	0	0	0	0	0
371	409	DAVIS BRODY BOND, New York, N.Y.	A	29.2	0.0	100	0	0	0	0	0	0	0	0
372	374	NILES BOLTON ASSOCIATES INC., Atlanta, Ga.	A	29.2	0.0	98	0	0	0	0	0	2	0	0
373	370	WENCK ASSOCIATES INC., Maple Plain, Minn.	E	29.1	0.8	0	3	14	9	55	15	3	1	0
374	**	ARCH-CON CORP., Houston, Texas	EC	29.0	0.0	58	0	0	0	0	42	0	0	0
375	348	SHALOM BARANES ASSOCIATES PC, Washington, D.C.	A	28.8	0.0	100	0	0	0	0	0	0	0	0
376	460	TOLUNAY-WONG ENGINEERS INC., Houston, Texas†	GE	28.7	0.8	10	0	8	4	13	44	12	1	1
377	313	THE S/L/A/M COLLABORATIVE INC., Glastonbury, Conn.†	AE	28.6	0.0	100	0	0	0	0	0	0	0	0
378	441	WSB & ASSOCIATES INC., Minneapolis, Minn.	E	28.6	0.0	5	0	3	15	15	1	61	0	0
379	286	MBH ARCHITECTS, Alameda, Calif.	A	28.5	5.5	100	0	0	0	0	0	0	0	0
380	412	BHDP ARCHITECTURE, Cincinnati, Ohio	A	28.4	5.0	100	0	0	0	0	0	0	0	0
381	403	INTERFACE ENGINEERING INC., Portland, Ore.	E	28.3	2.6	96	0	0	0	1	2	0	0	0
382	388	BAXTER & WOODMAN INC., Crystal Lake, Ill.†	E	28.2	0.0	0	0	0	18	11	0	20	0	0
383	413	THE MANNIK & SMITH GROUP INC., Maumee, Ohio	E	28.2	0.0	13	12	7	4	11	25	24	4	0
384	**	ALPHA TESTING INC., Dallas, Texas	GE	28.2	0.0	88	0	0	1	5	0	2	1	4
385	**	ROSS & BARUZZINI INC., St. Louis, Mo.	EA	28.1	4.8	38	0	0	1	0	0	47	0	14
386	**	TESTENGEER INC., Port Lavaca, Texas	EC	28.0	0.0	0	5	10	0	0	85	0	0	0
387	355	GBA, Lenexa, Kan.†	EA	28.0	0.0	4	0	0	0	18	20	39	3	8
388	420	KSA ENGINEERS INC., Longview, Texas†	EA	28.0	0.0	4	0	0	17	9	23	37	0	0
389	430	RMC WATER AND ENVIRONMENT, Walnut Creek, Calif.	E	28.0	0.0	0	0	0	64	36	0	0	0	0
390	389	V3 COS. LTD., Woodridge, Ill.†	E/ENV	28.0	0.4	38	0	1	7	0	0	47	0	0
391	319	GRW, Lexington, Ky.†	EA	27.9	0.0	6	0	0	30	35	0	29	0	0
392	392	RIVER CONSULTING, Columbus, Ohio	E	27.6	1.6	0	0	20	0	0	63	13	0	0
393	407	AON FIRE PROTECTION ENGINEERING CORP., Lincolnshire, Ill.	E	27.5	4.7	68	4	0	0	0	15	9	0	4
394	357	BERNARDIN LOCHMUELLER & ASSOCIATES INC., Evansville, Ind.	E	26.7	0.0	0	0	1	2	5	0	92	0	0
395	400	GEOCON, San Diego, Calif.†	GE	26.7	0.0	66	0	4	2	0	0	28	0	0
396	354	DAVIS & FLOYD INC., Greenwood, S.C.	EA	26.5	0.0	4	0	0	1	21	1	56	1	0
397	362	CHESTER ENGINEERS, Moon Township, Pa.	E	26.4	0.5	0	0	0	27	44	27	1	0	0
398	252	KAPLAN MCLAUGHLIN DIAZ (KMD), San Francisco, Calif.†	A	26.4	6.2	100	0	0	0	0	0	0	0	0
399	428	G.E.C. INC., Baton Rouge, La.†	E	26.3	0.0	0	0	0	0	5	0	95	0	0
400	371	HULL & ASSOCIATES INC., Dublin, Ohio	ENV	26.3	0.0	0	0	10	0	20	30	0	40	0

THE THRASHER GROUP is the only firm from West Virginia on the list. Top 500 firms came from 44 states, Washington, D.C., and Puerto Rico.

RANK 2014	RANK 2013	FIRM	FIRM TYPE	2013 REVENUE \$ MIL.		GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
				TOTAL	INT'L									
401	406	MUESER RUTLEDGE CONSULTING ENGINEERS, New York, N.Y.	E	26.3	1.3	25	15	2	10	10	8	28	0	3
402	427	RJN GROUP INC., Wheaton, Ill.	E	26.2	0.0	0	0	0	3	96	0	1	0	0
403	**	SAULSBURY INDUSTRIES, Odessa, Texas	EC	26.2	0.0	0	0	0	0	0	100	0	0	0
404	419	MARTIN/MARTIN INC., Lakewood, Colo.†	E	26.1	0.0	69	7	1	3	2	0	10	0	2
405	429	LEIGHTON GROUP INC., Irvine, Calif.†	GE	26.1	0.0	31	4	4	8	0	15	23	0	0
406	387	HERBERT, ROWLAND & GRUBIC INC., Harrisburg, Pa.	E	25.8	0.0	20	0	0	3	36	10	31	0	0
407	468	OHM ADVISORS, Livonia, Mich.	EA	25.7	0.0	16	0	0	17	16	1	43	0	0
408	**	DAVIS PARTNERSHIP ARCHITECTS, Denver, Colo.	A	25.5	0.0	100	0	0	0	0	0	0	0	0
409	404	WESTLAKE REED LESKOSKY, Cleveland, Ohio†	AE	25.5	3.4	100	0	0	0	0	0	0	0	0
410	398	GRIMM + PARKER ARCHITECTS, Calverton, Md.	A	25.4	0.0	100	0	0	0	0	0	0	0	0
411	433	MAZZETTI, San Francisco, Calif.	E	25.4	0.2	98	0	0	0	0	0	0	0	2
412	378	SEGA INC., Overland Park, Kan.	EC	25.4	2.4	0	0	100	0	0	0	0	0	0
413	**	BALA CONSULTING ENGINEERS INC., King of Prussia, Pa.†	E	25.3	0.0	94	0	0	0	0	0	0	0	6
414	410	SUPERIOR ENGINEERING LLC, Hammond, Ind.	E	25.3	0.0	3	0	3	0	0	94	0	0	0
415	440	LORD AECK & SARGENT, Atlanta, Ga.	A	25.3	0.0	100	0	0	0	0	0	0	0	0
416	411	SAI CONSULTING ENGINEERS INC., Pittsburgh, Pa.	E	25.2	0.0	0	0	0	0	0	0	100	0	0
417	423	I.C. THOMASSON ASSOCIATES INC., Nashville, Tenn.	E	25.2	0.0	75	2	12	0	0	10	0	0	1
418	436	BOHANNAN HUSTON INC., Albuquerque, N.M.	E	25.2	0.0	13	0	0	18	12	1	30	0	0
419	385	THE GATEWAY ENGINEERS INC., Pittsburgh, Pa.	E	25.1	0.0	12	4	15	15	25	19	4	0	4
420	424	RDG PLANNING & DESIGN, Des Moines, Iowa†	A	24.9	0.0	79	0	0	0	0	0	0	0	0
421	452	HUCKABEE, Fort Worth, Texas	AE	24.8	0.0	100	0	0	0	0	0	0	0	0
422	**	STEELMAN PARTNERS, Las Vegas, Nev.†	A	24.8	8.3	100	0	0	0	0	0	0	0	0
423	**	USKH INC., Anchorage, Alaska†	EA	24.7	0.0	42	0	0	4	0	0	54	0	0
424	395	LANDRUM & BROWN INC., Cincinnati, Ohio	PA	24.7	10.0	3	0	0	0	0	0	97	0	0
425	417	GOOD FULTON & FARRELL, Dallas, Texas†	A	24.6	0.0	100	0	0	0	0	0	0	0	0
426	379	ARRAY ARCHITECTS INC., King of Prussia, Pa.	A	24.5	0.0	100	0	0	0	0	0	0	0	0
427	405	WILEY/WILSON, Lynchburg, Va.	EA	24.5	0.0	71	8	0	4	13	0	5	0	0
428	443	R&M CONSULTANTS INC., Anchorage, Alaska	E	24.4	0.0	6	1	34	3	2	5	33	0	0
429	459	DCI ENGINEERS, Seattle, Wash.	E	24.4	0.8	71	6	0	1	0	0	2	0	0
430	455	BURNS ENGINEERING INC., Philadelphia, Pa.	E	24.1	0.0	6	0	3	0	13	0	77	0	0
431	**	EPPSTEIN UHEN ARCHITECTS INC. (EUA), Milwaukee, Wis.	A	24.0	0.0	86	1	0	0	0	0	0	0	0
432	446	JBA CONSULTING ENGINEERS, Las Vegas, Nev.†	E	23.9	5.9	98	0	0	0	0	0	0	0	2
433	**	PERKOWITZ+RUTH ARCHITECTS, Long Beach, Calif.†	A	23.9	0.9	100	0	0	0	0	0	0	0	0
434	497	HUSSEY, GAY, BELL & DEYOUNG INC., Savannah, Ga.†	EA	23.8	7.2	15	4	0	18	40	0	11	2	0
435	356	VALDES ENGINEERING CO., Lombard, Ill.	E	23.7	1.3	0	0	8	0	0	92	0	0	0
436	**	FREEMANWHITE INC., Charlotte, N.C.	AE	23.7	0.2	100	0	0	0	0	0	0	0	0
437	**	VOCON, Cleveland, Ohio	A	23.6	0.0	90	0	0	0	0	6	0	0	0
438	483	BINKLEY & BARFIELD INC., Houston, Texas†	E	23.5	0.0	0	0	10	5	6	11	22	0	5
439	486	FGM ARCHITECTS INC., Oak Brook, Ill.	A	23.5	0.0	100	0	0	0	0	0	0	0	0
440	434	SMMA/SYMMES MAINI & MCKEE ASSOCIATES, Cambridge, Mass.	AE	23.5	0.0	95	0	0	0	0	0	0	0	0
441	399	OZ ARCHITECTURE, Denver, Colo.†	A	23.4	1.2	100	0	0	0	0	0	0	0	0
442	491	MG ENGINEERING DPC, New York, N.Y.	E	23.4	0.0	100	0	0	0	0	0	0	0	0
443	448	HEAPY ENGINEERING, Dayton, Ohio	E	23.3	0.0	97	0	0	0	0	0	0	0	3
444	492	STEINBERG ARCHITECTS, San Jose, Calif.	A	23.2	3.7	100	0	0	0	0	0	0	0	0
445	416	CSA GROUP, San Juan, P.R.†	AE	23.1	4.7	47	0	4	16	0	3	30	0	0
446	**	MANHARD CONSULTING LTD., Vernon Hills, Ill.	E	23.1	0.0	89	0	0	4	5	0	2	0	0
447	422	STEFFIAN BRADLEY ARCHITECTS, Boston, Mass.†	A	22.9	4.0	100	0	0	0	0	0	0	0	0
448	**	OPN ARCHITECTS, Cedar Rapids, Iowa	A	22.9	0.0	100	0	0	0	0	0	0	0	0
449	**	COSTELLO INC., Houston, Texas	EA	22.8	0.0	0	0	0	3	0	0	7	0	0
450	**	BETA GROUP INC., Lincoln, R.I.	E	22.7	0.0	0	0	0	4	42	0	54	0	0

KLOTZ ASSOCIATES INC. is one of 53 firms on the list from Texas, the state with the most Top 500 firms. California is second, with 52 firms.

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				TOTAL	INT'L									
451	415	HORD COPLAN MACHT INC., Baltimore, Md.	A	22.7	0.0	100	0	0	0	0	0	0	0	0
452	**	ESP ASSOCIATES PA, Charlotte, N.C.	E/GE	22.5	0.0	28	2	3	5	12	4	20	27	0
453	382	H.F. LENZ CO., Johnstown, Pa.	E	22.5	0.0	69	4	0	0	0	4	2	0	20
454	462	PEI COBB FREED & PARTNERS ARCHITECTS LLP, New York, N.Y.	A	22.4	3.6	100	0	0	0	0	0	0	0	0
455	364	ALBERT KAHN FAMILY OF COS. (KAHN), Detroit, Mich.†	AE	22.2	2.0	46	34	0	0	0	0	0	0	0
456	495	DAWOOD ENGINEERING INC., Enola, Pa.	E	22.2	0.0	8	0	0	0	0	61	32	0	0
457	463	HIXSON ARCHITECTURE, ENGINEERING, INTERIORS, Cincinnati, Ohio	EA	22.1	1.0	0	0	0	0	0	0	0	0	0
458	**	LAWRENCE GROUP, Saint Louis, Mo.†	A	22.1	0.0	100	0	0	0	0	0	0	0	0
459	438	DEKKER/PERICH/SABATINI LTD., Albuquerque, N.M.†	AE	22.0	0.0	100	0	0	0	0	0	0	0	0
460	474	ARCHITECTS HAWAII LTD., Honolulu, Hawaii	A	21.9	0.9	100	0	0	0	0	0	0	0	0
461	303	JCJ ARCHITECTURE, Hartford, Conn.†	A	21.9	0.0	100	0	0	0	0	0	0	0	0
462	478	LMN ARCHITECTS, Seattle, Wash.	A	21.8	1.7	90	0	0	0	0	0	10	0	0
463	**	KENDALL/HEATON ASSOCIATES INC., Houston, Texas†	A	21.8	0.5	100	0	0	0	0	0	0	0	0
464	**	PROGRESSIVE AE, Grand Rapids, Mich.†	AE	21.7	0.0	86	1	0	0	0	0	1	0	0
465	351	FKP ARCHITECTS INC., Houston, Texas†	A	21.5	0.0	100	0	0	0	0	0	0	0	0
466	414	ROBINS & MORTON, Birmingham, Ala.	EC	21.5	0.0	0	0	0	0	0	100	0	0	0
467	484	ENGLAND-THIMS & MILLER INC., Jacksonville, Fla.†	E	21.4	0.0	38	0	0	0	26	0	36	0	0
468	**	MCMAHON, Neenah, Wis.	AE	21.2	0.0	15	1	4	9	47	5	16	0	0
469	464	SPARLING, Lynnwood, Wash.†	E	21.1	0.0	87	0	0	0	1	0	8	0	4
470	437	WHITNEY, BAILEY, COX & MAGNANI LLC, Baltimore, Md.	AE	21.1	0.0	34	0	0	3	0	7	57	0	0
471	457	SMALLWOOD REYNOLDS STEWART STEWART & ASSOCIATES, Atlanta, Ga.†	A	21.1	9.2	100	0	0	0	0	0	0	0	0
472	**	BRIDGEFARMER & ASSOCIATES INC., Dallas, Texas	E	21.0	0.0	0	0	0	0	0	0	100	0	0
473	465	FRANCIS CAUFFMAN, New York, N.Y.	A	21.0	0.0	100	0	0	0	0	0	0	0	0
474	435	KLOTZ ASSOCIATES INC., Houston, Texas	E	21.0	0.0	1	0	0	30	13	0	56	0	0
475	467	PRIMERA ENGINEERS LTD., Chicago, Ill.	E	21.0	0.3	35	0	28	0	6	0	30	0	0
476	**	WILSON ARCHITECTS INC., Boston, Mass.	A	21.0	0.0	100	0	0	0	0	0	0	0	0
477	450	EARTH SYSTEMS INC., San Luis Obispo, Calif.†	GE	20.5	0.5	62	0	14	3	2	7	8	0	1
478	482	BURK-KLEINPETER INC., New Orleans, La.	E	20.5	0.0	0	0	0	0	16	0	79	1	0
479	447	DOKKEN ENGINEERING, Folsom, Calif.	E	20.4	0.0	0	0	0	0	0	0	100	0	0
480	453	MCMILLAN PAZDAN SMITH LLC, Greenville, S.C.	A	20.4	0.0	97	0	0	0	0	3	0	0	0
481	368	NTH CONSULTANTS LTD., Northville, Mich.	E	20.4	0.0	13	4	19	1	38	11	8	3	0
482	458	THE EADS GROUP, Altoona, Pa.†	EA	20.3	0.0	6	0	0	10	50	0	21	1	0
483	**	AIIA CONSULTING ENGINEERS, Lexington, Mass.	E	20.3	0.0	79	0	0	0	0	0	0	0	15
484	445	RNL, Denver, Colo.†	A	20.3	0.6	93	0	0	0	0	0	0	0	0
485	444	BORTON-LAWSON, Wilkes-Barre, Pa.†	EA	20.2	0.0	27	0	4	0	3	32	34	0	0
486	431	FANNING/HOWEY ASSOCIATES INC., Celina, Ohio	AE	20.2	0.0	92	0	0	1	3	0	3	0	0
487	439	SHELADIA ASSOCIATES INC., Rockville, Md.	EA	20.1	16.4	2	0	0	19	0	0	70	0	0
488	489	GOETTSCHE PARTNERS INC., Chicago, Ill.	A	20.1	15.0	100	0	0	0	0	0	0	0	0
489	485	GOODY CLANCY, Boston, Mass.	AP	20.1	0.0	84	0	0	0	0	0	0	0	0
490	**	BAR ARCHITECTS, San Francisco, Calif.	A	20.0	1.4	100	0	0	0	0	0	0	0	0
491	469	HUBBELL, ROTH & CLARK INC., Bloomfield Hills, Mich.	AE	20.0	0.0	13	2	1	11	16	0	57	0	0
492	**	MCINNIS BROTHERS CONSTRUCTION INC., Minden, La.	EC	20.0	0.0	100	0	0	0	0	0	0	0	0
493	**	NK ARCHITECTS, Morristown, N.J.	AE	20.0	0.0	100	0	0	0	0	0	0	0	0
494	**	WAKEFIELD BEASLEY & ASSOCIATES ARCHITECTS INC., Norcross, Ga.	A	20.0	0.5	100	0	0	0	0	0	0	0	0
495	432	CTLGROUP, Skokie, Ill.†	E	19.8	2.2	36	1	11	4	1	15	33	0	0
496	473	WIGHT & CO., Darien, Ill.†	AE	19.8	0.1	77	0	0	0	0	0	19	2	0
497	475	KRAZAN & ASSOCIATES INC., Clovis, Calif.	E	19.8	0.0	44	5	9	6	1	11	13	9	2
498	487	NEWCOMB & BOYD, Atlanta, Ga.	E	19.7	0.2	91	0	0	0	0	0	2	0	7
499	471	BEAM, LONGEST AND NEFF LLC, Indianapolis, Ind.	E	19.4	0.0	0	0	0	4	0	0	96	0	0
500	**	WRNS STUDIO, San Francisco, Calif.	A	19.4	0.0	96	0	0	0	0	0	4	0	0

Where to find the Top 500

FIRM	RANK	FIRM	RANK	FIRM	RANK	FIRM	RANK
A		Burk-Kleinpeter Inc.	478	E		HR Green Inc.	279
ADD Inc.	284	Burns & McDonnell	18	EA Engineering Science and Tech. Inc.	137	GreenbergFarrow	312
AECOM Technology Corp.	1	Burns and Roe Group Inc.	100	The EADS Group	482	Greenman-Pedersen Inc.	66
Aegion Corp.	47	Burns Engineering Inc.	430	Earth Systems Inc.	477	Gresham, Smith and Partners	109
Affiliated Engineers Inc.	123	Buro Happold Consulting Engineers	360	ECC	259	Grimm + Parker Architects	410
AIHA Consulting Engineers	483	Bury	276	Ecology & Environment Inc.	91	GRW	391
AKF Group LLC	173	C		ECS	103	Guemsey	328
AKRF Inc.	239	C&I Engineering	336	EFI Global Inc.	225	Gulf Interstate Engineering Co.	56
Alfa Tech Consulting Enterprises Inc.	338	C&S Cos.	146	Electrical Consultants Inc.	178	GZA GeoEnvironmental Inc.	116
Alpha Testing Inc.	384	Callison	73	EMH&T	205	H	
Altran	219	Cannon Design	62	EN Engineering LLC	145	H&A Architects and Engineers	271
Ambitech Engineering Corp.	121	Cardno	27	Enercon Services Inc.	59	H2M architects + engineers	241
AMEC	6	Carollo Engineers Inc.	79	England-Thims & Miller Inc.	467	HAKS Engineers, Architects and Land Surveyors	135
American Structurepoint Inc.	184	Francis Cauffman	473	ENGlobal U.S. Inc.	83	Haley & Aldrich Inc.	126
Ammann & Whitney	189	CB&I	9	Ennead Architects LLP	230	Half Associates Inc.	166
Anvil Corp.	164	CBT/ Childs Bertman Tseckares Inc.	361	enSafe Inc.	245	Hammel Green and Abrahamson Inc. (HGA)	104
Aon Fire Protection Engineering Corp.	393	ccrd partners	357	ENVIRON Holdings Inc.	48	Hanson Professional Services Inc.	163
Apex Cos. LLC	133	CDI Corp.	25	Epstein Uhen Architects Inc. (euai)	431	Hardesty & Hanover LLC	200
Arcadis U.S./RTKL	15	CDM Smith	23	Epstein	331	Hargrove Engineers + Constructors	115
Arch-Con Corp.	374	Century Engineering Inc.	267	Erdman Anthony	335	Harley Ellis Devereaux	249
Architects Hawaii Ltd.	460	CH2M HILL	5	ESD (Environmental Systems Design Inc.)	238	Harris Group Inc.	326
Array Architects Inc.	426	CHA Consulting, Inc.	57	ESP Associates PA	452	Hatch Mott MacDonald	31
Arup	52	Chester Engineers	397	David Evans and Associates Inc.	105	Hazen and Sawyer PC	72
ATCS PLC	268	Civil & Environmental Consultants Inc.	119	EwingCole	167	HDR	11
Atkins North America	37	Clark Nexsen PC	144	exp US Services Inc.	110	Heapy Engineering	443
Atwell	248	Clark Patterson Lee	340	EYP Architecture & Engineering	152	Heery International Inc.	165
Ausenco	127	CO Architects	363	F		Henderson Engineers Inc.	174
Ayers Saint Gross	365	Cobb, Fendley & Associates Inc.	277	Fanning/Howey Associates Inc.	486	Herbert, Rowland & Grubic Inc.	406
Ayres Associates	275	Coffman Engineers Inc.	252	Farnsworth Group Inc.	213	HGA (Hunt, Guillot & Associates)	265
B		Collins Engineers Inc.	296	Fay Spofford & Thorndike	237	Highland Associates Ltd.	330
The Babcock & Wilcox Co.	80	Commonwealth Associates Inc.	349	Fehr & Peers	309	Hixson Architecture, Engineering, Interiors	457
Michael Baker International	26	Cooper Carry Inc.	297	C.H. Fenstermaker & Associates	301	HKS Inc.	54
Bala Consulting Engineers Inc.	413	Corgan	132	Fentress Architects	234	HLW International LLP	322
Ballinger	260	Costello Inc.	449	FGM Architects Inc.	439	HMC Architects	162
BAR Architects	490	COWI North America	159	Fishbeck Thompson Carr & Huber	223	HNTB Cos.	21
Shalom Baranes Associates PC	375	CP&Y Inc.	325	FKP Architects Inc.	465	HOK	36
Bard Rao+Athanas Consulting Engineers LLC	236	CPH Inc.	367	Flad Architects	150	Hord Coplan Macht Inc.	451
Barge Waggoner Sumner & Cannon Inc.	171	Crafton Tull	319	Fluor Corp.	4	Horrocks Engineers	350
Bartlett & West Inc.	176	Crawford, Murphy & Tilly Inc.	214	Foht Cos.	98	Hubbell, Roth & Clark Inc.	491
Barton & Loguidice DPC	366	CRB	131	FreemanWhite Inc.	436	Huckabee	421
Baxter & Woodman Inc.	382	T.J. Cross Engineers Inc.	298	Freese and Nichols Inc.	129	Huitt-Zollars Inc.	149
Beam, Longest and Neff LLC	499	CSA Group	445	Froehling & Robertson Inc.	288	Hull & Associates Inc.	400
Bechtel	8	CSD Engineers LLC	240	Fugro	29	Humphreys & Partners Architects LP	269
The Beck Group	351	CTA Architects Engineers	235	Fuss & O'Neill Inc.	250	Hussey, Gay, Bell & DeYoung Inc.	434
Alfred Benesch & Co.	130	CTL Engineering Inc.	345	FXFOWLE Architects	281	I	
Louis Berger	24	CTLGroup	495	G		Infrastructure Corp. of America	262
Bergmann Associates Inc.	196	Cunningham Group Architecture Inc.	192	G.E.C. Inc.	399	Integral Group	316
Bernardin Lochmueller & Associates Inc.	394	D		GAI Consultants Inc.	117	Interface Engineering Inc.	381
BETA Group Inc.	450	Dahlin Group Architecture Planning	362	Gannett Fleming	49	IPS - Integrated Project Services Inc.	253
Beyer Blinder Belle Architects & Planners LLP	294	Leo A Daly	81	Garver	181	J	
BHDP Architecture	380	Dannenbaum Engineering Corp.	256	The Gateway Engineers Inc.	419	Jacobs	2
Binkley & Barfield Inc.	438	Davis & Floyd Inc.	396	GBA	387	Jacobs Associates	292
BKF Engineers	216	Davis Brody Bond	371	GEI Consultants Inc.	122	JBA Consulting Engineers	432
BL Cos. Inc.	285	Davis Partnership Architects	408	Gensler	20	JCJ Architecture	461
Black & Veatch	16	Dawood Engineering Inc.	456	Geocon	395	Rolf Jensen & Associates Inc.	286
Bohannon Huston Inc.	418	Day & Zimmermann	138	GeoEngineers Inc.	197	Johnson, Mirmiran & Thompson Inc.	94
Bolton & Menk Inc.	222	DCI Engineers	429	Geosyntec Consultants	60	Jones & Carter Inc.	221
Borton-Lawson	485	Dekker/Perich/Sabatini Ltd.	459	Geo-Technology Associates Inc.	359	Jones, Edmunds & Associates Inc.	364
Boswell Engineering	283	DeSimone Consulting Engineers	318	Ghafari Associates LLC	99	J-U-B Engineers Inc.	274
Bowman Consulting	147	Dewberry	45	Goettsch Partners Inc.	488	K	
Braun Intertec Corp.	136	DLR Group	111	Golder Associates Inc.	55	Kadmas Lee & Jackson Inc. (KLJ)	102
Bridgefarmer & Associates Inc.	472	DLZ	120	Good Fulton & Farrell	425	Albert Kahn Family of Cos. (Kahn)	455
Brown & Gay Engineers Inc.	161	Dokken Engineering	479	Goodwyn Mills & Cawood Inc.	243	KBR	10
Brown and Caldwell	46	DOWL HKM	182	Goody Clancy	489	KCI Technologies Inc.	74
BRPH Architects-Engineers Inc.	306	DRMP Inc.	334	Graef-USA Inc.	344	Kendall/Heaton Associates Inc.	463
Buchart-Horn Inc./BASCO Associates	337	Dvirka and Bartilucci Consulting Engineers	295	Greeley and Hansen LLC	153		
Bureau Veritas	34						
Burgess & Niple Inc.	157						
The Burke Group	191						

Where to find the Top 500

FIRM	RANK	FIRM	RANK	FIRM	RANK	FIRM	RANK						
Kennedy/Jenks Consultants	155	NELSON	273	S	TRC Cos. Inc.	30							
Kiewit Corp.	58	Waldemar S. Nelson and Co. Inc.	172		TTG	229							
Kimley-Horn and Associates Inc.	33	Newcomb & Boyd	498		U	Ulteig Engineers Inc.	227						
Kisinger Campo & Associates Corp.	358	Niles Bolton Associates Inc.	372			Universal Engineering Sciences Inc.	246						
KJWW Engineering Consultants	210	Ninyo & Moore	218			UniversalPegasus International Inc.	61						
Kleinfelder	39	NK Architects	493			Urban Engineers Inc.	278						
Klotz Associates Inc.	474	NTH Consultants Ltd.	481			URS Corp.	3						
Kaplan McLaughlin Diaz (KMD)	398	NV5 Holdings Inc.	231			USKH Inc.	423						
Kohn Pedersen Fox Associates PC	67	O	O'Brien & Gere			90	V	V3 Cos. Ltd.	390				
KPF Consulting Engineers	107					OHM Advisors		407	Valdes Engineering Co.	435			
Krazan & Associates Inc.	497					Olsson Associates		139	Vanasse Hangen Brustlin Inc. (VHB)	76			
KSA Engineers Inc.	388					On-Board Engineering Corp.		339	Vanderweil Engineers	141			
L	LaBella Associates PC					347		On-Neal Inc.	346	VOA Associates Inc.	201		
						Landrum & Brown Inc.		424	OPN Architects	448	Vocon	437	
						Langan Eng'g and Environmental Services Inc.		70	Orbital Engineering Inc.	220	Volkert Inc.	106	
				Larson Design Group		343		Otak Inc.	356	W	Wade Trim	224	
				The Lauren Corp.		168		OZ Architecture	441		Wakefield Beasley & Associates Architects Inc.	494	
				Lawrence Group	458	P		Page	128		Walker Parking Consultants	263	
				Leidos	40				Pape-Dawson Engineers Inc.		183	Walter P Moore	188
				Leighton Group Inc.	405				Parametrix		208	Ware Malcomb	258
				H.F. Lenz Co.	453				Parkhill, Smith & Cooper Inc.		203	WATG / Wimberly Interiors	169
				LHB Inc.	323				Parsons		13	WD Partners	247
				T.Y. Lin International	44				Parsons Brinckerhoff		12	WDG Architecture	354
		Lionakis	315	Partner Engineering and Science Inc.	257		Weidlinger Associates Inc.		186				
		Little	304	Paulus Sokolowski & Sartor LLC	291		Wenck Associates Inc.		373				
		LJA Engineering Inc.	187	Payette	300		WENDEL LLC		352				
		LMN Architects	462	PBK	255		Westlake Reed Leskosky		409				
H.W. Lochner Inc.	140	PCI Skanska	327	Weston & Sampson	198								
Lord Aeck & Sargent	415	Pei Cobb Freed & Partners Architects LLP	454	Weston Solutions Inc.	68								
LPA Inc.	228	Pennoni Associates Inc.	96	Whitman, Requardt & Associates LLP	118								
LS3P	226	Perkins+Will	38	Whitney, Bailey, Cox & Magnani LLC	470								
M	M+W U.S. Inc.	78	Perkins Eastman	77	WHPacific Inc.		202						
		Magnusson Klemencic Associates Inc.	232	Perkowitz+Ruth Architects	433	WHR Architects Inc.	264						
		Manhard Consulting Ltd.	446	PGAL	242	Wight & Co.	496						
		The Mannik & Smith Group Inc.	383	PND Engineers Inc.	299	WileyWilson	427						
		Martin/Martin Inc.	404	Pond & Co.	311	Willbros Group Inc.	53						
		Maser Consulting PA	193	Populous	108	Wilson & Co. Inc., Engineers & Architects	179						
		Matrix Technologies Inc.	293	POWER Engineers Inc.	43	Wilson Architects Inc.	476						
		Mazzetti	411	Primera Engineers Ltd.	475	Wiss, Janney, Elstner Associates Inc.	114						
		MBH Architects	379	Processes Unlimited International Inc.	177	Wood Group Mustang Inc.	17						
		McCormick Taylor Inc.	151	Professional Engineering Consultants PA	313	Wood Rodgers Inc.	355						
		McInnis Brothers Construction Inc.	492	Professional Service Industries (PSI)	51	Woodard & Curran	84						
		McKim & Creed Inc.	212	Progressive AE	464	Woods Bagot	82						
		McLaren Engineering Group	333	Psomas	175	Woolpert Inc.	112						
		McMahon	468	R	R&M Consultants Inc.	428	WorleyParsons Group Inc.	14					
		McMillan Pazdan Smith LLC	480			Raba Kistner Inc.	261	Wright-Pierce	369				
Mead & Hunt Inc.	148	The RBA Group	341			WRNS Studio	500						
Merrick & Co.	113	RCM Technologies Inc.	142			WSB & Associates Inc.	378						
Mesa Associates Inc.	185	RDG Planning & Design	420			WSP USA	64						
MG Engineering DPC	442	RDK Engineers	314			Wunderlich-Malec Engineering Inc.	287						
Middough Inc.	125	Remington & Vernick Engineers Inc.	272			Z	Zachry Holdings Inc.	50					
Modjeski and Masters Inc.	310	RETTW Associates Inc.	206				ZGF Architects LLP	95					
Moffatt & Nichol	92	River Consulting	392				Ziegler Cooper Architects	370					
Moody Nolan Inc.	308	Paul C. Rizzo Associates Inc.	348										
Morrison Hershfield	88	RJN Group Inc.	402										
Morrison-Maierle Inc.	324	RMA Group Inc.	307										
Moseley Architects	290	RMC Water and Environment	389										
ms consultants Inc.	233	RMF Engineering Inc.	329										
MSA Professional Services Inc.	320	RNL	484										
Mueser Rutledge Consulting Engineers	401	Robins & Morton	466										
MulvaneyG2 Architecture	154	Ross & Baruzzini Inc.	385										
MWH Global	19	RS&H Inc.	69										
N	NBBJ	65	Rummel Klepper & Kahl LLP	87									
		Neel-Schaffer Inc.	199										

By Bruce Buckley

Commercial Sector Continues Rebound

Some clients take their time, but projects eventually advance



RISING UP Several office projects are planned or recently broke ground, including the Salesforce Tower.

Prospects continue to improve in the commercial office market as more companies commit to moving forward on construction plans. In 2013, the commercial office sector saw \$20.35 billion in total construction starts, according to McGraw Hill Construction. The division of McGraw Hill Financial forecasts that commercial office starts could rise 15%, to \$23.5 billion, this year.

It's a gradual climb back after the market tumbled during the recession. In 2014, McGraw Hill Construction estimates that 87 million sq ft of office-space construction could start in 2014, well below the prerecession peak of 218 million sq ft established in 2007.

Still, some top design firms already

have rebounded. Gensler has topped \$400 million in annual commercial office revenue since 2012, approaching its 2007 tally of \$447.2 million.

Joe Brancato, regional managing principal for Gensler Northeast, says that while the firm has seen revenues rebound, clients are taking a much more cautious approach to projects.

"We've seen a lot of projects that take time, but they move forward," he says. "[Projects] need much more meaning and value before the client will pull the trigger. You don't just relocate because your space is old and tired. There needs to be a business case."

Although Brancato sees mostly renovation, restacking and interior fit-outs in

existing buildings, he notes that a considerable amount of new space is planned or in the works. The first project in the Hudson Yards redevelopment, a 52-story, 1.7-million-sq-ft office tower, is underway in Manhattan's West Side. Under the redevelopment's master plan, the 16-building Hudson Yards project could add a total of about 6 million sq ft of office space. One World Trade Center, which is scheduled to complete this year, would add 2.6 million sq ft of office space.

Major developers, such as Hines, are pushing ahead on significant office projects across the country. In March, the firm broke ground on its 47-story, 1-million-sq-ft 609 Main at Texas project in Houston. Next year, the firm plans to break ground on a new, 40-story, 640,000-sq-ft office tower in Denver. In San Francisco, Hines partnered with Boston Properties to develop the 1.4-million-sq-ft Salesforce Tower in San Francisco, which broke ground last year.

With an improved economy, demand for talent among many employers is on the rise, prompting some to rethink their work spaces. Fred Schmidt, global director of corporate interiors at Perkins + Will, notes that employers are particularly interested in appealing to millennials, who could represent roughly half the workforce by 2020. "The millennial generation has indicated its preference for an urban experience," he says.

Within work spaces, Schmidt sees "less 'me' space and more 'we' space," as companies reduce the size of personal work spaces and add more collaborative spaces. "Mobility is very important," he adds. "People need to be able to move around and work anywhere in the office."

Ross Wimer, architecture lead, Americas, and senior vice president at AECOM, sees similar trends. For clients with employees that are often out of the office, Wimer sees an interest in providing fewer workstations that can be shared. The move to more collaborative spaces can help "densify" floors, he says. "You can work in an open environment most of the time, but you have some private spaces to conduct a conference call," he notes. ■

TOP GENERAL BUILDING DESIGN PROJECTS REPORTED BY DODGE

RANK	PROJECT	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	ESSEX CROSSING MIXED-USE DEVELOPMENT, NEW YORK	PLANNING SCHEMATICS	10,000.0
2	AMTRAK UNION STATION MASTER PLAN, DISTRICT OF COLUMBIA	DESIGN DEVELOPMENT	6,500.0
3	CHINA CITY OF AMERICA MIXED-USE DEVELOPMENT, NEW YORK	PLANNING SCHEMATICS	6,000.0
4	COLUMBIA UNIVERSITY'S MANHATTANVILLE EXPANSION, NEW YORK	DESIGN DEVELOPMENT	5,000.0
5	SOUTHWORKS MIXED-USE REDEVELOPMENT, ILLINOIS	PLANNING SCHEMATICS	4,000.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

PHOTO COURTESY OF SALESFORCE

The Top Design Firms in General Building

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	218.4
2	URS CORP.	96.4
3	PERKINS+WILL	75.0
4	GENSLER	74.1
5	CANNON DESIGN	73.0
6	JACOBS	68.9
7	SHW GROUP	58.0
8	DLR GROUP	51.4
9	STV GROUP INC.	48.0
10	EYP ARCHITECTURE & ENGINEERING	40.8
11	HMC ARCHITECTS	39.5
12	HARLEY ELLIS DEVEREAUX	29.2
13	PARSONS	28.4
14	SMITHGROUPJJR	27.1
15	HDR	26.5
16	TERRACON CONSULTANTS INC.	25.5
17	AYERS SAINT GROSS	25.1
18	STANTEC INC.	25.1
19	THE S/L/A/M COLLABORATIVE INC.	24.9
20	HUCKABEE	24.8
21	PERKINS EASTMAN	24.8
22	HOK	24.3
23	BURNS & MCDONNELL	24.2
24	LPA INC.	23.8
25	CLARK NEXSEN PC	21.7

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	156.5
2	PARSONS	149.8
3	KIMLEY-HORN AND ASSOCIATES INC.	141.5
4	AECOM TECHNOLOGY CORP.	128.7
5	GENSLER	109.3
6	TERRACON CONSULTANTS INC.	74.9
7	CALLISON	58.3
8	ARCADIS U.S./RTKL	56.0
9	HENDERSON ENGINEERS INC.	44.6
10	WALKER PARKING CONSULTANTS	41.3
11	GREENBERGFARROW	33.4
12	HOK	31.7
13	PROFESSIONAL SERVICE INDUS. (PSI)	28.8
14	STANTEC INC.	27.0
15	BERGMANN ASSOCIATES INC.	19.0
16	CTA ARCHITECTS ENGINEERS	17.8
17	PEI COBB FREED & PARTNERS ARCHITECTS LLP	15.7
18	CHIPMAN DESIGN ARCHITECTURE	15.5
19	CH2M HILL	15.2
20	KOHN PEDERSEN FOX ASSOCIATES PC	15.2
21	KPFF CONSULTING ENGINEERS	14.1
22	DLR GROUP	13.9
23	VANASSE HANGEN BRUSTLIN INC. (VHB)	12.6
24	GPD GROUP	12.5
25	CASCO DIVERSIFIED CORP.	12.5

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	235.8
2	KIMLEY-HORN AND ASSOCIATES INC.	35.4
3	PARSONS BRINCKERHOFF	32.0
4	URS CORP.	25.9
5	WSP USA	25.2
6	MICHAEL BAKER INTERNATIONAL	23.8
7	DESIMONE CONSULTING ENGINEERS	19.7
8	WDG ARCHITECTURE	18.7
9	ARCADIS U.S./RTKL	17.0
10	TERRACON CONSULTANTS INC.	16.0
11	JACOBS	15.3
12	PERKINS EASTMAN	15.1
13	THORNTON TOMASETTI INC.	14.5
14	BKF ENGINEERS	14.0
15	SHALOM BARANES ASSOCIATES PC	11.9

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	190.3
2	GENSLER	76.6
3	WATG / WIMBERLY INTERIORS	68.7
4	HKS INC.	43.0
5	PARSONS BRINCKERHOFF	21.1
6	ARCADIS U.S./RTKL	14.0
7	VOCON	11.8
8	LEO A DALY	11.6
9	COOPER CARRY INC.	10.9
10	TETRA TECH INC.	10.0

CORRECTIONAL FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	50.0
2	HOK	32.0
3	DLR GROUP	20.0
4	HDR	16.0
5	HUNT COS. INC.	14.2
6	JACOBS	12.6
7	DEWBERRY	10.1
8	TETRA TECH INC.	10.0
9	URS CORP.	10.0
10	PARSONS BRINCKERHOFF	9.7

*BASED ON 2013 CONTRACTING REVENUE FROM GENERAL BUILDING AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

The Top Design Firms in General Building

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	317.4
2	HDR	192.0
3	URS CORP.	182.9
4	PERKINS+WILL	121.4
5	HKS INC.	116.1
6	CANNON DESIGN	106.7
7	HOK	86.4
8	JACOBS	86.0
9	PERKINS EASTMAN	71.0
10	HAMMEL GREEN AND ABRAHAMSON INC. (HGA)	66.1
11	SMITHGROUPJJR	58.2
12	ARCADIS U.S./RTKL	51.0
13	STANTEC INC.	41.0
14	ZGF ARCHITECTS LLP	40.4
15	SMITH SECKMAN REID INC.	40.4
16	GRESHAM, SMITH AND PARTNERS	36.6
17	WHR ARCHITECTS INC.	36.0
18	KPF CONSULTING ENGINEERS	31.6
19	EWINGCOLE	30.8
20	HMC ARCHITECTS	26.2
21	PAGE	25.0
22	ARRAY ARCHITECTS INC.	24.5
23	FREEMANWHITE INC.	23.7
24	LEO A DALY	23.0
25	BALLINGER	22.6

COMMERCIAL OFFICES		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	1,004.9
2	GENSLER	408.1
3	HOK	144.5
4	PERKINS+WILL	101.2
5	JACOBS	81.5
6	PARSONS BRINCKERHOFF	79.5
7	THORNTON TOMASETTI INC.	57.5
8	URS CORP.	45.5
9	ARUP	43.5
10	ZGF ARCHITECTS LLP	38.7
11	CANNON DESIGN	33.1
12	WSP USA	30.7
13	CH2M HILL	30.1
14	CUNNINGHAM GROUP ARCHITECTURE INC.	29.3
15	HDR	26.8
16	ARCADIS U.S./RTKL	26.0
17	CORGAN	24.6
18	HLW INTERNATIONAL LLP	24.5
19	HAMMEL GREEN AND ABRAHAMSON INC. (HGA)	24.2
20	PROFESSIONAL SERVICE INDUS. (PSI)	23.5
21	KOHN PEDERSEN FOX ASSOCIATES PC	22.3
22	HKS INC.	22.1
23	TETRA TECH INC.	20.0
24	KENDALL/HEATON ASSOCIATES INC.	19.4
25	AMEC	19.4

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	139.1
2	POPULOUS	57.8
3	HKS INC.	33.2
4	HEERY INTERNATIONAL INC.	28.0
5	THORNTON TOMASETTI INC.	21.7
6	GENSLER	18.3
7	MOODY NOLAN INC.	16.9
8	HNTB COS.	16.2
9	DLR GROUP	7.9
10	MICHAEL BAKER INTERNATIONAL	7.5

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.)
1	URS CORP.	23.5
2	TERRACON CONSULTANTS INC.	14.7
3	JACOBS	9.7
4	STELLAR	8.1
5	STANTEC INC.	6.0

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The Top Design Firms in General Building

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	2,907.9
2	JACOBS	823.4
3	GENSLER	815.9
4	URS CORP.	583.2
5	HDR	388.5
6	HOK	363.2
7	PERKINS+WILL	351.6
8	SKIDMORE OWINGS & MERRILL LLP	309.7
9	HKS INC.	251.0
10	PARSONS BRINCKERHOFF	234.6
11	PARSONS	212.9
12	CANNON DESIGN	212.7
13	ARCADIS U.S./RTKL	203.0
14	NBBJ	197.3
15	TERRACON CONSULTANTS INC.	194.1
16	KIMLEY-HORN AND ASSOCIATES INC.	176.8
17	SMITHGROUPJJR	163.0
18	CALLISON	157.0
19	STANTEC INC.	155.5
20	PERKINS EASTMAN	155.0
21	WOODS BAGOT	149.0
22	KOHN PEDERSEN FOX ASSOCIATES PC	146.5
23	THORNTON TOMASETTI INC.	137.5
24	AMEC	135.0
25	CH2M HILL	131.7
26	ZGF ARCHITECTS LLP	125.1
27	WSP USA	120.6
28	ARUP	120.1
29	HAMMEL GREEN AND ABRAHAMSON INC. (HGA)	119.1
30	POPULOUS	111.8
31	PROFESSIONAL SERVICE INDUS. (PSI)	111.3
32	DLR GROUP	110.0
33	DEWBERRY	106.3
34	TETRA TECH INC.	100.0
35	MICHAEL BAKER INTERNATIONAL	94.1
36	CHA CONSULTING INC.	86.6
37	AFFILIATED ENGINEERS INC.	86.2
38	PAGE	85.8
39	BURNS & MCDONNELL	83.8
40	KPFF CONSULTING ENGINEERS	79.2
41	FLAD ARCHITECTS	77.2
42	EYP ARCHITECTURE & ENGINEERING	75.0
43	MULVANNYG2 ARCHITECTURE	73.2
44	HMC ARCHITECTS	71.6
45	LEO A DALY	71.6
46	WATG / WIMBERLY INTERIORS	69.3
47	HENDERSON ENGINEERS INC.	67.1
48	SIMPSON GUMPERTZ & HEGER INC.	65.8
49	WISS, JANNEY, ELSTNER ASSOCIATES INC.	65.4
50	LANGAN ENG'G AND ENVIRONMENTAL SERVICES INC.	64.8

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	623.3
2	JACOBS	354.3
3	URS CORP.	177.2
4	HDR	116.5
5	CH2M HILL	75.4
6	AMEC	67.7
7	TETRA TECH INC.	60.0
8	BURNS & MCDONNELL	45.9
9	ECC	39.5
10	PAGE	37.0
11	MWH GLOBAL	36.8
12	BLACK & VEATCH	36.6
13	PARSONS BRINCKERHOFF	36.4
14	H&A ARCHITECTS AND ENGINEERS	35.2
15	PARSONS	34.8
16	FLUOR CORP.	31.9
17	EYP ARCHITECTURE & ENGINEERING	28.1
18	DEWBERRY	24.6
19	LEIDOS	23.1
20	SMITHGROUPJJR	21.8
21	CDM SMITH	20.8
22	ATKINS NORTH AMERICA	20.8
23	GENSLER	20.7
24	HOK	19.3
25	MERRICK & CO.	19.1

ENTERTAINMENT		
RANK	FIRM	REVENUE (\$ MIL.)
1	GENSLER	65.8
2	HKS INC.	11.4
3	JCJ ARCHITECTURE	10.4
4	WALTER P MOORE	9.1
5	CUNINGHAM GROUP ARCHITECTURE INC.	8.3

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.)
1	ARUP	17.1
2	GENSLER	17.0
3	PERKINS+WILL	16.3
4	JACOBS	16.1
5	HAMMEL GREEN AND ABRAHAMSON INC. (HGA)	12.2

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By **Jim Parsons**

Alternative Approaches Sustain Strong Market

State DOTs rely more on P3s, design-build to address backlog



PARTNERSHIP CH2M Hill did the design work on the Presidio Parkway, a P3 project in California.

As the clock ticks down toward yet another potential federal funding showdown with the Oct. 1, 2014, expiration of Moving Ahead for Progress in the 21st Century (MAP-21) legislation, transportation design firms are, nevertheless, finding a generally strong market for their services.

Although major projects—for example, New York City’s \$3.1-billion Tappan Zee Bridge replacement and the Illinois Tollway’s 15-year, \$12-billion capital reconstruction program—continue to dominate the sector, an increasing number of states are turning to alternative financing and delivery methods to put a dent in their enormous backlogs.

In May, Massachusetts adopted a \$12.7-billion transportation bond bill for high-profile transportation projects, following last year’s \$800-million finance plan that boosted taxes on gas and cigarettes. Pennsylvania also has restructured its financing structure as part of a strategy that will generate more than \$2 billion a year by 2018.

Design-build and bundling bridge projects also are playing an increasingly prominent role in states’ road and bridge strategies, according to Joe Pulicare, AECOM’s executive vice president, North America transportation. “Making a large project out of several smaller ones gives owners the opportunity to

stretch their finances even further.”

Interest in public-private partnerships (P3s) and toll-derived projects continues to grow. The Texas DOT recently tapped a team led by Kiewit Corp. to build a \$847-million expansion of the Airport Freeway in Dallas, while HDR is helping the Colorado DOT organize a division to focus on projects valued at more than \$100 million, as well as toll, managed lane and alternate delivery.

But the disparity of experience with design-build and P3s across and within state agencies can sometimes present challenges, says HNTB CEO Rob Slimp. “Agency and elected officials don’t always know how to properly manage risk, resulting in [their] trying to pass on too much of it to the private sector,” he says, adding that political and institutional resistance can further complicate matters. Charlie O’Reilly, director of transportation for HDR, notes that agencies sometimes overlook the need to effectively communicate the benefits of a P3 project to prospective users and the public at large. “The result is a lot of misplaced notions among the public that are difficult to overcome and often prove disruptive,” he says.

Small wonder, then, that the complexities of the present funding and delivery environment have transportation agencies, more than ever, relying on their design consultants for both resources and innovative solutions. “There’s a big emphasis on everything from accelerated bridge construction techniques to traffic management plans and prolonging the life of pavements,” says Dennis O’Brien, transportation-sector leader for Stantec, Edmonton, Alberta. The bottom line for any assessment on the transportation design market, though, remains what—if anything—Congress will do to either replace or extend MAP 21. Opinions range from optimism for a full six-year measure to a series of last-minute extensions of the current funding formula. O’Brien worries that the latter scenario will only limit the market’s growth. “Without a strong national plan in place,” he says, “the states will fail.” ■

TOP TRANSPORTATION DESIGN PROJECTS REPORTED BY DODGE

RANK	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	PLANNING SCHEMATICS	3,100.0
2	PLANNING SCHEMATICS	2,644.0
3	PLANNING SCHEMATICS	2,323.0
4	DESIGN DEVELOPMENT	1,500.0
5	PLANNING SCHEMATICS	1,500.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

PHOTO COURTESY OF CH2MHILL

The Top Design Firms in Transportation

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	2,102.2
2	URS CORP.	1,806.7
3	PARSONS BRINCKERHOFF	1,132.2
4	CH2M HILL	1,066.7
5	JACOBS	1,017.9
6	HNTB COS.	797.4
7	PARSONS	735.3
8	HDR	719.0
9	LOUIS BERGER	353.5
10	STANTEC INC.	264.8
11	T.Y. LIN INTERNATIONAL	264.0
12	STV GROUP INC.	259.2
13	MICHAEL BAKER INTERNATIONAL	258.1
14	HATCH MOTT MACDONALD	237.6
15	KIMLEY-HORN AND ASSOCIATES INC.	226.8
16	AMEC	213.0
17	TRANSYSTEMS CORP.	204.8
18	ATKINS NORTH AMERICA	198.6
19	CDM SMITH	185.8
20	GANNETT FLEMING	166.6
21	GREENMAN-PEDERSEN INC.	149.4
22	TRANSCORE	136.5
23	RS&H INC.	135.7
24	MOFFATT & NICHOL	134.0
25	JOHNSON, MIRMIRAN & THOMPSON INC.	120.1
26	RUMMEL KLEPPER & KAHL LLP	116.5
27	DEWBERRY	112.2
28	ARUP	108.7
29	VOLKERT INC.	106.8
30	KBR	102.3
31	VANASSE HANGEN BRUSTLIN INC. (VHB)	100.2
32	CARDNO	95.6
33	BECHTEL	92.0
34	ALFRED BENESCH & CO.	91.1
35	H.W. LOCHNER INC.	88.4
36	BURNS & MCDONNELL	79.2
37	MCCORMICK TAYLOR INC.	77.0
38	KCI TECHNOLOGIES INC.	72.3
39	COWI NORTH AMERICA	72.0
40	CHA CONSULTING INC.	71.4
41	TRC COS. INC.	66.6
42	KLEINFELDER	65.3
43	DAVID EVANS AND ASSOCIATES INC.	63.6
44	TERRACON CONSULTANTS INC.	60.4
45	TETRA TECH INC.	57.0
46	STANLEY CONSULTANTS INC.	56.5
47	HARDESTY & HANOVER LLC	55.9
48	MEAD & HUNT INC.	55.6
49	WHITMAN, REQUARDT & ASSOCIATES LLP	55.2
50	ARCADIS U.S./RTKL	53.0

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	808.6
2	URS CORP.	665.9
3	CH2M HILL	537.7
4	PARSONS BRINCKERHOFF	476.6
5	HNTB COS.	383.5
6	HDR	374.9
7	JACOBS	355.0
8	PARSONS	334.6
9	STANTEC INC.	182.7
10	ATKINS NORTH AMERICA	142.9
11	AMEC	139.7
12	KIMLEY-HORN AND ASSOCIATES INC.	134.5
13	LOUIS BERGER	130.5
14	TRANSYSTEMS CORP.	126.0
15	CDM SMITH	118.0
16	T.Y. LIN INTERNATIONAL	113.9
17	JOHNSON, MIRMIRAN & THOMPSON INC.	103.5
18	RS&H INC.	93.8
19	RUMMEL KLEPPER & KAHL LLP	93.2
20	GANNETT FLEMING	81.7
21	STV GROUP INC.	75.2
22	MICHAEL BAKER INTERNATIONAL	71.4
23	VOLKERT INC.	68.6
24	HATCH MOTT MACDONALD	63.3
25	H.W. LOCHNER INC.	60.6

*BASED ON 2013 CONTRACTING REVENUE FROM TRANSPORTATION AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

The Top Design Firms in Transportation

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.)
1	URS CORP.	405.5
2	AECOM TECHNOLOGY CORP.	243.2
3	HNTB COS.	148.1
4	HDR	132.7
5	CH2M HILL	113.3
6	GREENMAN-PEDERSEN INC.	112.1
7	MICHAEL BAKER INTERNATIONAL	103.7
8	PARSONS BRINCKERHOFF	99.1
9	LOUIS BERGER	81.4
10	TRANSYSTEMS CORP.	74.5
11	PARSONS	67.4
12	T.Y. LIN INTERNATIONAL	62.3
13	HARDESTY & HANOVER LLC	55.9
14	JACOBS	50.6
15	STV GROUP INC.	49.3
16	AMMANN & WHITNEY	41.1
17	ALFRED BENESCH & CO.	36.5
18	MODJESKI AND MASTERS INC.	35.7
19	DEWBERRY	33.2
20	STANTEC INC.	33.1
21	ARUP	30.8
22	MCCORMICK TAYLOR INC.	27.5
23	KCI TECHNOLOGIES INC.	24.8
24	VANASSE HANGEN BRUSTLIN INC. (VHB)	24.3
25	GANNETT FLEMING	23.8

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	299.6
2	URS CORP.	230.7
3	LOUIS BERGER	75.0
4	CH2M HILL	54.4
5	PARSONS BRINCKERHOFF	54.1
6	KIMLEY-HORN AND ASSOCIATES INC.	51.6
7	JACOBS	48.7
8	BURNS & MCDONNELL	48.0
9	KBR	45.2
10	PARSONS	44.9
11	HNTB COS.	44.5
12	HOK	44.0
13	RS&H INC.	41.9
14	GENSLER	41.3
15	MICHAEL BAKER INTERNATIONAL	38.2
16	MEAD & HUNT INC.	37.8
17	KOHN PEDERSEN FOX ASSOCIATES PC	30.8
18	ARUP	29.3
19	ATKINS NORTH AMERICA	28.3
20	CORGAN	26.4
21	FENTRESS ARCHITECTS	26.3
22	BECHTEL	24.0
23	LANDRUM & BROWN INC.	23.9
24	GHAFFARI ASSOCIATES LLC	22.3
25	CDM SMITH	19.1

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	615.3
2	JACOBS	550.4
3	PARSONS BRINCKERHOFF	489.6
4	URS CORP.	440.0
5	PARSONS	264.3
6	CH2M HILL	258.0
7	HNTB COS.	220.9
8	HDR	179.0
9	STV GROUP INC.	134.8
10	HATCH MOTT MACDONALD	120.4
11	T.Y. LIN INTERNATIONAL	70.2
12	GANNETT FLEMING	61.2
13	KIMLEY-HORN AND ASSOCIATES INC.	40.7
14	KBR	38.4
15	ARUP	38.2
16	BECHTEL	38.0
17	CDM SMITH	35.4
18	LOUIS BERGER	34.1
19	STANTEC INC.	29.3
20	AMEC	29.2
21	DAVID EVANS AND ASSOCIATES INC.	26.9
22	CDI CORP.	23.4
23	MICHAEL BAKER INTERNATIONAL	19.9
24	WHITMAN, REQUARDT & ASSOCIATES LLP	18.5
25	RUMMEL KLEPPER & KAHL LLP	16.3

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	135.6
2	MOFFATT & NICHOL	112.5
3	CH2M HILL	103.5
4	URS CORP.	64.6
5	TETRA TECH INC.	57.0
6	LOUIS BERGER	27.5
7	HDR	21.7
8	HATCH MOTT MACDONALD	20.9
9	KBR	18.7
10	PARSONS BRINCKERHOFF	12.8

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By Housley Carr

Lower Costs Drive Renewable Projects

Regulatory proposals also generating interest in SMRs



COST-EFFECTIVE Firms say solar and wind are becoming more competitive with other types of power.

Technological advances and the stepped-up regulatory push to reduce greenhouse-gas emissions are spurring expanded interest among U.S. utilities in wind and solar projects.

News from the electric industry continues to be dominated by coal-unit retirements and new, natural gas-fired projects. But while utilities will continue to build gas-fired combined-cycle and combustion-turbine units, they also have been turning increasingly to wind farms and utility-scale solar facilities—not just for the inherent environmental qualities but also because they are increasingly cost-competitive, firms say.

About 14,800 MW of solar photovoltaic and concentrating solar capacity is

now in operation in the U.S., says the Solar Energy Industries Association (SEIA). Of that total, 1,330 MW of solar-PV capacity and 517 MW of concentrating-solar capacity were added to the grid in the first quarter alone, and another 2,000 MW or so of solar capacity is expected to be added by the end of this year, says Samantha Page, SEIA spokeswoman.

Most important, solar power—once considered far too costly to make a significant contribution—is now seen as much more cost-competitive, especially when its environmental attributes and ability to produce high levels of power during peak demand periods, such as hot summer afternoons, are factored in.

Earlier this year, Minnesota regulators

determined it would be more cost-effective for Xcel Energy to buy 100 MW of solar power from Geronimo Energy, Edina, Minn., to supplement planned natural-gas-fired generation than to build only gas-fired capacity.

Austin Energy, Texas, entered into a 20-year, 150-MW solar power-purchase agreement (PPA) with Recurrent Energy, San Francisco, at a price of less than \$50 per MWh—far less than the cost of power from a new gas-fired peaking unit.

Recurrent Chairman and CEO Arno Harris declines to confirm any PPA pricing information but says the pricing “reflects the fact that solar is rapidly becoming cost-competitive in markets like Texas,” which are based on energy prices and not on renewable mandates. “We’ve seen prices [for solar] come down 60% to 70% over the past few years,” says Harris. “A couple of years ago we broke through the \$2-per-kW barrier” for new solar capacity, “and we are now driving that cost down to \$1.50 per kW.” Solar capacity costs could fall to \$1/kWh or less as soon as 2020, he says.

Wind power is even cheaper, especially in places with top-notch resources such as the Great Plains and Texas, where several thousand MW of wind capacity is expected to be installed by the end of 2015.

Engineering firms are taking note and expanding their pursuit of wind and solar projects. Tim Maag, Mortenson Construction’s Wind Energy Group vice president and general manager, says, “The cost of wind energy has decreased by over 40% in the past five years, and it is becoming increasingly more competitive with natural gas and other forms of energy production.” He attributes this to falling turbine prices, increasing capacity factors due to technological advancements and declining installation costs.

The Obama administration’s push for lower greenhouse-gas (GHG) emissions is renewing interest in small modular reactors. Engineering firms say that if SMRs prove to be economical, they could provide utilities with incremental base-load power and fuel diversity without any GHG emissions. ■

TOP POWER-DESIGN PROJECTS REPORTED BY DODGE

RANK	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	GEOTHERMAL-SOLAR-WIND BIOMASS TECH, ALABAMA	7,000.0
2	CHOKEBERRY AND SIERRA MADRE WIND FARM, WYOMING	5,000.0
3	DEEPWATER WIND ENERGY CENTER, MASSACHUSETTS	5,000.0
4	HUDSON CANYON 1,000-MW WIND FARM, NEW YORK	4,000.0
5	HECA-HYDROGEN POWERED ELECTRICITY GEN. FACILITY, CALIFORNIA	4,000.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

PHOTO COURTESY OF MORTENSON CONSTRUCTION

The Top Design Firms in Power

POWER		
RANK	FIRM	REVENUE (\$ MIL.)
1	CB&I	877.9
2	AECOM TECHNOLOGY CORP.	746.5
3	BLACK & VEATCH	615.8
4	BURNS & MCDONNELL	578.1
5	SARGENT & LUNDY LLC	521.7
6	TETRA TECH INC.	412.0
7	BECHTEL	371.0
8	URS CORP.	341.3
9	JACOBS	341.2
10	AMEC	280.0
11	PARSONS BRINCKERHOFF	279.0
12	POWER ENGINEERS INC.	261.6
13	ZACHRY HOLDINGS INC.	243.2
14	ENERCON SERVICES INC.	226.6
15	KIEWIT CORP.	211.7
16	HDR	187.0
17	TRC COS. INC.	170.9
18	WORLEYPARSONS GROUP INC.	170.9
19	THE BABCOCK & WILCOX CO.	154.3
20	KBR	135.7
21	MWH GLOBAL	134.2
22	CH2M HILL	130.9
23	LEIDOS	119.2
24	FLUOR CORP.	101.9
25	FUGRO	100.0
26	BURNS AND ROE GROUP INC.	80.5
27	STANLEY CONSULTANTS INC.	72.7
28	CDI CORP.	62.2
29	LOUIS BERGER	60.7
30	ELECTRICAL CONSULTANTS INC.	57.0
31	RCM TECHNOLOGIES INC.	56.9
32	MESA ASSOCIATES INC.	54.1
33	STANTEC INC.	51.9
34	ALTRAN	48.5
35	CHA CONSULTING INC.	38.5
36	ECOLOGY & ENVIRONMENT INC.	37.8
37	PAUL C. RIZZO ASSOCIATES INC.	30.9
38	COMMONWEALTH ASSOCIATES INC.	30.9
39	ULTEIG ENGINEERS INC.	28.1
40	PARSONS	26.5
41	SEGA INC.	25.4
42	BUREAU VERITAS	24.8
43	CARDNO	24.6
44	TERRACON CONSULTANTS INC.	24.1
45	VANDERWEIL ENGINEERS	22.8
46	GOLDER ASSOCIATES INC.	20.8
47	DAVID EVANS AND ASSOCIATES INC.	18.5
48	GZA GEOENVIRONMENTAL INC.	17.8
49	ATKINS NORTH AMERICA	17.3
50	GAI CONSULTANTS INC.	17.1

SOLAR POWER		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	29.3
2	BECHTEL	19.0
3	URS CORP.	16.5
4	WORLEYPARSONS GROUP INC.	16.4
5	FLUOR CORP.	12.8
6	HDR	9.6
7	LEIDOS	8.1
8	TETRA TECH INC.	8.0
9	SSEO GROUP	6.3
10	BURNS & MCDONNELL	6.1

WIND POWER		
RANK	FIRM	REVENUE (\$ MIL.)
1	TETRA TECH INC.	102.0
2	AECOM TECHNOLOGY CORP.	19.9
3	STANTEC INC.	7.4
4	AMEC	6.6
5	SWCA ENVIRONMENTAL CONSULTANTS	6.0
6	TRC COS. INC.	5.9
7	LEIDOS	5.7
8	INFRASTRUCTURE AND ENERGY ALTERNATIVES LLC	4.0
9	URS CORP.	3.9
10	PARSONS BRINCKERHOFF	3.8

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	212.8
2	TETRA TECH INC.	139.0
3	MWH GLOBAL	119.9
4	HDR	51.6
5	URS CORP.	26.2
6	BLACK & VEATCH	22.6
7	PARSONS	16.8
8	AMEC	13.4
9	JACOBS	10.9
10	LOUIS BERGER	8.3

OPERATION AND MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.)
1	TETRA TECH INC.	54.0
2	CDI CORP.	20.7
3	JACOBS	9.7
4	PROFESSIONAL SERVICE INDUS. (PSI)	6.3
5	ULTEIG ENGINEERS INC.	3.4

*BASED ON 2013 CONTRACTING REVENUE FROM POWER AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

The Top Design Firms in Power

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.)
1	BLACK & VEATCH	315.1
2	BURNS & MCDONNELL	262.1
3	KIEWIT CORP.	209.2
4	ZACHRY HOLDINGS INC.	179.2
5	URS CORP.	167.0
6	AECOM TECHNOLOGY CORP.	150.7
7	PARSONS BRINCKERHOFF	143.3
8	KBR	135.7
9	THE BABCOCK & WILCOX CO.	124.1
10	CH2M HILL	109.4
11	WORLEYPARSONS GROUP INC.	93.4
12	FUGRO	86.0
13	BECHTEL	83.0
14	BURNS AND ROE GROUP INC.	65.5
15	JACOBS	50.2
16	LOUIS BERGER	39.1
17	FLUOR CORP.	35.7
18	HDR	33.9
19	LEIDOS	29.0
20	AMEC	27.6
21	CDI CORP.	25.5
22	STANTEC INC.	20.7
23	SEGA INC.	20.3
24	PCI SKANSKA	12.6
25	TRC COS. INC.	10.8

TRANSMISSION AND DISTRIBUTION PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	BURNS & MCDONNELL	272.6
2	POWER ENGINEERS INC.	239.8
3	AECOM TECHNOLOGY CORP.	236.0
4	BLACK & VEATCH	168.3
5	TRC COS. INC.	135.7
6	HDR	91.9
7	JACOBS	87.1
8	AMEC	85.5
9	PARSONS BRINCKERHOFF	75.9
10	LEIDOS	66.1
11	TETRA TECH INC.	57.0
12	BECHTEL	43.0
13	URS CORP.	33.1
14	COMMONWEALTH ASSOCIATES INC.	29.0
15	ECOLOGY & ENVIRONMENT INC.	27.1
16	ZACHRY HOLDINGS INC.	25.2
17	STANTEC INC.	23.6
18	ULTEIG ENGINEERS INC.	22.6
19	WORLEYPARSONS GROUP INC.	22.2
20	FLUOR CORP.	20.5
21	DAVID EVANS AND ASSOCIATES INC.	17.7
22	SURVEYING AND MAPPING INC. (SAM INC.)	16.0
23	ALTRAN	15.4
24	TERRACON CONSULTANTS INC.	10.9
25	GAI CONSULTANTS INC.	9.9

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	BECHTEL	226.0
2	AMEC	135.3
3	BLACK & VEATCH	65.4
4	URS CORP.	54.0
5	JACOBS	53.8
6	TETRA TECH INC.	52.0
7	WORLEYPARSONS GROUP INC.	38.6
8	ZACHRY HOLDINGS INC.	33.0
9	PAUL C. RIZZO ASSOCIATES INC.	30.9
10	ALTRAN	22.8
11	FLUOR CORP.	20.7
12	BURNS AND ROE GROUP INC.	12.3
13	BURNS & MCDONNELL	11.4
14	CH2M HILL	10.8
15	GREENMAN-PEDERSEN INC.	8.5
16	LEIDOS	6.5
17	GAI CONSULTANTS INC.	5.2
18	FUGRO	5.0
19	PARSONS BRINCKERHOFF	4.7
20	CDI CORP.	4.7

CO-GENERATION		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	97.8
2	JACOBS	71.7
3	URS CORP.	40.6
4	THE BABCOCK & WILCOX CO.	30.3
5	BURNS & MCDONNELL	25.9
6	VANDERWEIL ENGINEERS	14.0
7	PARSONS BRINCKERHOFF	11.8
8	CDM SMITH	9.3
9	CDI CORP.	8.7
10	BLACK & VEATCH	7.1

*BASED ON 2013 CONTRACTING REVENUE FROM POWER AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.



By Jim Parsons

Swift Growth Stretches Firms' Resources

Carbon-based sector is one of the busiest for engineering firms

The petroleum sector remains one of the briskest markets for engineering companies, with the range of facilities and infrastructure design projects seemingly rivaled only by the volume of oil and natural gas being extracted across North America.

In October 2013, U.S. domestic crude-oil production surpassed import levels for the first time since February 1995, according to the Energy Information Administration, driven in large part by extensive shale-play activity in northern Appalachia, Texas and North Dakota. Natural-gas production increased to 66.5 billion cu ft per day (cf/d) in 2013, though the 1% increase is substantially less compared with the previous two years.

Nevertheless, insufficient transport capacity in the Marcellus shale play has spurred several new pipeline projects, including the 178-mile expansion of the

Transcontinental Gas Pipe Line Co. (Transco) Atlantic Sunrise network in the mid-Atlantic states, plus smaller expansions to its New Jersey-to-Gulf Coast main line. And Transco's \$300-million Gulf Trace project will support Cheniere Energy Partners LP's Sabine Pass liquefaction project being developed in Louisiana.

Though design firms relish the market's bounty, they're scrambling to find enough expertise to handle the opportunities effectively. Firms such as Tetra Tech, which has approximately 1,400 miles of pipeline projects in the U.S. and Canada, are acquiring smaller oil-and-gas specialists to keep up with demand for design skills. "We're finding it difficult to hire organically," says Ron Chu, Tetra Tech business group president. "So, the fastest way to acquire a critical mass of talent is via acquisitions. The nature of

BOUNTY Opportunities in Alaska's North Slope and across North America are abundant, firms say.

the boom also has changed the way many clients operate, Chu adds. Price has become as important, if not more so, than quality and schedule. "It's a reflection of operators wanting better returns on their capital investments," he explains. Oil and gas companies also are increasingly calling on design firms to provide integrated project management services to better handle performance risks driven by the scarcity of field labor.

Joel Eacker, senior vice president in the oil, gas and chemicals practice area for CH2M Hill, says firms are augmenting their clients' internal capabilities, particularly smaller firms that are now pursuing larger investments. Project management expertise is likewise coveted by state agencies such as the Alaska Gasline Development Corp., established to build the \$8-billion, 737-mile Alaska Stand-Alone Pipeline project to bring North Slope natural gas to the state's central and southern communities. CH2M Hill will assist with engineering oversight, procurement and other services during the project's development phase.

Though U.S. petroleum production is expected to grow for the foreseeable future, it's not without potential challenges. Many older refineries lack the capacity to handle the light sweet crude produced in the U.S., which could create problems for the entire supply chain. In the near term, though, "the next two to three years will be very active," Chu says. "There's no stopping it." ■

TOP PETROLEUM DESIGN PROJECTS REPORTED BY DODGE

RANK	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	LAKE CHARLES LNG EXPORT PROJECT EXPANSION, LOUISIANA	9,500.0
2	ETHYLENE CRACKER AND DERIVATIVES COMPLEX, LOUISIANA	6,000.0
3	SEMPRA LIQUEFIED NATURAL GAS EXPORT TERMINAL, LOUISIANA	6,000.0
4	JORDAN COVE ENERGY PROJECT, OREGON	4,500.0
5	FPL 2 GAS PIPELINE-SABAL TRAIL & FLA. S.E. CONNECTION, FLORIDA	3,000.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

PHOTO COURTESY OF CH2M HILL

The Top Design Firms in Petroleum

MAINTENANCE

RANK	FIRM	REVENUE (\$ MIL.)
1	CH2M HILL	90.6
2	FLUOR CORP.	70.7
3	JACOBS	34.0
4	CDI CORP.	31.9
5	WORLEYPARSONS GROUP INC.	25.0

PIPELINES

RANK	FIRM	REVENUE (\$ MIL.)
1	GULF INTERSTATE ENGINEERING CO.	253.0
2	CH2M HILL	244.1
3	WOOD GROUP MUSTANG INC.	243.2
4	TETRA TECH INC.	241.0
5	AEGION CORP.	232.6
6	JACOBS	183.3
7	URS CORP.	179.3
8	UNIVERSALPEGASUS INTERNATIONAL INC.	172.0
9	WILLBROS GROUP INC.	167.0
10	HATCH MOTT MACDONALD	107.9
11	CDI CORP.	94.3
12	SURVEYING AND MAPPING INC. (SAM INC.)	90.1
13	EN ENGINEERING LLC	75.7
14	FLUOR CORP.	64.4
15	AMEC	45.5
16	MICHAEL BAKER INTERNATIONAL	38.2
17	WORLEYPARSONS GROUP INC.	34.6
18	STANTEC INC.	33.1
19	KBR	30.7
20	BECHTEL	28.0
21	SWCA ENVIRONMENTAL CONSULTANTS	26.7
22	ATKINS NORTH AMERICA	26.6
23	GAI CONSULTANTS INC.	26.6
24	PROFESSIONAL SERVICE INDUS. (PSI)	21.5
25	ECOLOGY & ENVIRONMENT INC.	20.4

OFFSHORE AND UNDERWATER FACILITIES

RANK	FIRM	REVENUE (\$ MIL.)
1	WORLEYPARSONS GROUP INC.	576.3
2	WOOD GROUP MUSTANG INC.	520.9
3	KBR	355.4
4	FUGRO	110.0
5	FLUOR CORP.	105.9
6	JACOBS	90.7
7	AMEC	48.8
8	WALDEMAR S. NELSON AND CO. INC.	39.3
9	UNIVERSALPEGASUS INTERNATIONAL INC.	38.0
10	TETRA TECH INC.	31.0
11	ARUP	27.5
12	HGA (HUNT, GUILLOT, & ASSOCIATES)	22.3
13	HDR	18.8
14	GEOSYNTEC CONSULTANTS	11.8
15	BECHTEL	9.0

REFINERIES AND PETROCHEMICAL PLANTS

RANK	FIRM	REVENUE (\$ MIL.)
1	FLUOR CORP.	2,805.8
2	JACOBS	1,635.9
3	BECHTEL	1,144.0
4	KBR	790.5
5	WORLEYPARSONS GROUP INC.	514.7
6	URS CORP.	396.5
7	S&B ENGINEERS AND CONSTRUCTORS LTD. AND AFFILIATES	285.7
8	AMEC	241.3
9	WOOD GROUP MUSTANG INC.	203.6
10	CDI CORP.	163.5
11	BURNS & MCDONNELL	131.8
12	AMBITECH ENGINEERING CORP.	91.5
13	WILLBROS GROUP INC.	90.1
14	BLACK & VEATCH	76.3
15	ANVIL CORP.	64.0
16	STANTEC INC.	50.1
17	TETRA TECH INC.	50.0
18	CH2M HILL	39.4
19	HARGROVE ENGINEERS + CONSTRUCTORS	32.6
20	C&I ENGINEERING	28.0
21	LEIDOS	27.5
22	ZACHRY HOLDINGS INC.	25.1
23	VALDES ENGINEERING CO.	18.7
24	ORBITAL ENGINEERING INC.	16.0
25	MERRICK & CO.	14.7

The Top Design Firms in Petroleum

PETROLEUM		
RANK	FIRM	REVENUE (\$ MIL.)
1	FLUOR CORP.	3,046.8
2	JACOBS	1,987.4
3	AMEC	1,192.0
4	WORLEYPARSONS GROUP INC.	1,190.4
5	WOOD GROUP MUSTANG INC.	1,186.0
6	BECHTEL	1,181.0
7	KBR	1,176.5
8	CB&I	1,067.1
9	URS CORP.	676.1
10	CH2M HILL	374.1
11	TETRA TECH INC.	322.0
12	S&B ENGINEERS AND CONSTRUCTORS LTD. AND AFFILIATES	307.8
13	CDI CORP.	291.4
14	WILLBROS GROUP INC.	257.1
15	GULF INTERSTATE ENGINEERING CO.	253.0
16	AEGION CORP.	232.6
17	UNIVERSALPEGASUS INTERNATIONAL INC.	217.0
18	CARDNO	206.0
19	ENGLOBAL U.S. INC.	137.0
20	BUREAU VERITAS	136.4
21	BURNS & MCDONNELL	131.8
22	FUGRO	120.0
23	HATCH MOTT MACDONALD	107.9
24	AMBITECH ENGINEERING CORP.	98.5
25	SURVEYING AND MAPPING INC. (SAM INC.)	90.1
26	STANTEC INC.	83.2
27	EN ENGINEERING LLC	82.7
28	BLACK & VEATCH	81.8
29	ANVIL CORP.	70.0
30	THE LAUREN CORP.	67.3
31	PROCESSES UNLIMITED INTERNATIONAL INC.	50.6
32	WALDEMAR S. NELSON AND CO. INC.	46.5
33	SPEC SERVICES INC.	39.2
34	MICHAEL BAKER INTERNATIONAL	38.2
35	T.J. CROSS ENGINEERS INC.	37.0
36	RETTEW ASSOCIATES INC.	34.0
37	HARGROVE ENGINEERS + CONSTRUCTORS	33.5
38	HGA (HUNT, GUILLOT, & ASSOCIATES)	32.8
39	C.H. FENSTERMAKER & ASSOCIATES	32.8
40	ECOLOGY & ENVIRONMENT INC.	32.2
41	ATKINS NORTH AMERICA	32.1
42	LEIDOS	32.0
43	C&I ENGINEERING	30.2
44	CIVIL & ENVIRONMENTAL CONSULTANTS INC.	30.1
45	LOUIS BERGER	29.2
46	SWCA ENVIRONMENTAL CONSULTANTS	28.7
47	PROFESSIONAL SERVICE INDUS. (PSI)	28.2
48	HDR	28.1
49	ARUP	27.5
50	T. BAKER SMITH LLC	27.2

*BASED ON 2013 CONTRACTING REVENUE FROM PETROLEUM AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

By Johanna Knapschaefer

Firms See Buoyancy in Robust Water Sector

Despite uptick, bidding remains fiercely competitive



POPULAR APPROACH A treatment plant in California is one of several design-build projects underway.

Water executives say they are seeing slow but steady growth in the water-wastewater sector, with greater bidding opportunities for a broad mix of projects. “This year, sales for water and wastewater projects are up 20% over last year and, if you include contract negotiations, up 130% over last year,” says Darwin Nelson, president of CDM Smith’s North America Unit, Cambridge, Mass. “This is promising.”

The water-wastewater projects include replacing aging infrastructure in New England, designing big water-supply facilities in the West and large design-builds for the federal government. In coastal states, climate change and improv-

ing resiliency are driving growth, he says.

Despite this demand uptick, executives agree that bidding on municipal market projects is still exceedingly competitive.

Hot areas of the country include the Northeast and mid-Atlantic; the southern states of Florida and Georgia; the western states of California, Washington and Oregon; and the southwestern states of Oklahoma and Texas.

Meanwhile, the Midwest is slowing, and “the federal government is cooling a bit. “With so many big [federal] projects in progress, there’s less new work,” Nelson says.

CDM Smith Construction currently is building a \$100-million, 6-million-

gallon-per-day water treatment plant at the Ft. Irwin National Training Center. The U.S. Army Corps of Engineers Los Angeles District is overseeing the design-build project, set for completion in 2016.

The long drought in arid parts of Florida, Texas and California has brought a more creative and holistic approach to managing water, says Leslie Shoemaker, senior vice president of corporate strategy at Tetra Tech, Pasadena, Calif. “Clients are taking a more unified approach [to water management] by looking at water capture, reuse, treatment and infiltration,” she observes.

In Monterey, Calif., CDM Smith won an \$88-million contract in December for a Cal-American Desalination plant, and environmental permitting is underway, Nelson says.

Meanwhile, the \$700-million Carlsbad Seawater Desalination Facility designed by Arcadis is heading into commissioning, says Mike MacPhee, president of the design firm’s water division.

In regulatory-driven work in California, HDR, Omaha, Neb., is managing wastewater in a joint venture with Brown & Caldwell, Walnut Creek, Calif., for the Sacramento Regional County Sanitation District’s \$2-billion Advanced Wastewater Treatment Program. A new wastewater-discharge permit requires SRCSD to upgrade its treatment facilities by May 2021, according to HDR.

In Texas, Tetra Tech is assisting the San Antonio Water System with designing the water-treatment-plant portion of a \$150-million desalination facility in San Antonio, one of the state’s largest brackish-water desalination facilities that uses reverse-osmosis treatment. It is scheduled to break ground in July 2014 and go on line by October 2016.

As green infrastructure matures from what was considered a novel technology only a few years ago, it is emerging as a tool of choice.

“In the past couple of years, not a single client has considered a stormwater solution that doesn’t have green infrastructure,” MacPhee says. ■

TOP ENVIRONMENTAL DESIGN PROJECTS REPORTED BY DODGE

RANK	PROJECT	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	LAKE POWELL PIPELINE, UTAH	PLANNING SCHEMATICS	1,000.0
2	SOUTHEAST WWTP/BIOSOLIDS DIGESTER FACILITY, CALIFORNIA	PLANNING SCHEMATICS	1,000.0
3	SOUTHERN DELIVERY SYSTEM WATER PIPELINE PH. 1, COLORADO	DESIGN DEVELOPMENT	859.0
4	POSEIDON SEAWATER DESALINATION FACILITY, CALIFORNIA	PLANNING SCHEMATICS	345.0
5	DELAWARE RIVER REG. WASTEWATER TREATMENT PROJ., NEW JERSEY	PLANNING SCHEMATICS	325.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

PHOTO COURTESY OF CDM SMITH

The Top Design Firms in Environment

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)
1	TETRA TECH INC.	667.0
2	AECOM TECHNOLOGY CORP.	624.5
3	CH2M HILL	538.5
4	MWH GLOBAL	367.7
5	URS CORP.	292.6
6	BLACK & VEATCH	207.3
7	CDM SMITH	174.8
8	HDR	174.4
9	ARCADIS U.S./RTKL	173.0
10	JACOBS	132.3
11	MICHAEL BAKER INTERNATIONAL	103.7
12	STANTEC INC.	95.9
13	AMEC	65.0
14	CAROLLO ENGINEERS INC.	60.0
15	BROWN AND CALDWELL	55.0
16	KBR	53.6
17	LOUIS BERGER	50.7
18	DEWBERRY	50.3
19	HAZEN AND SAWYER PC	48.5
20	ATKINS NORTH AMERICA	48.3
21	GANNETT FLEMING	46.9
22	FREESE AND NICHOLS INC.	45.9
23	KLEINFELDER	45.0
24	GEI CONSULTANTS INC.	43.1
25	PARSONS	35.6
26	KIMLEY-HORN AND ASSOCIATES INC.	33.8
27	HATCH MOTT MACDONALD	32.0
28	KENNEDY/JENKS CONSULTANTS	31.4
29	BURNS & MCDONNELL	30.3
30	FUGRO	30.0
31	PARSONS BRINCKERHOFF	28.7
32	WOODARD & CURRAN	24.8
33	BROWN & GAY ENGINEERS INC.	24.2
34	LEO A DALY	23.6
35	HALFF ASSOCIATES INC.	21.3
36	HNTB COS.	18.9
37	CARDNO	18.8
38	GEOSYNTEC CONSULTANTS	18.2
39	RMC WATER AND ENVIRONMENT	18.0
40	SCHNABEL ENGINEERING INC.	17.9
41	WESTON & SAMPSON	17.3
42	BARTLETT & WEST INC.	14.4
43	HAKS ENGINEERS, ARCHITECTS AND LAND SURVEYORS	14.4
44	H2M ARCHITECTS + ENGINEERS	14.1
45	PARKHILL, SMITH & COOPER INC.	13.3
46	LANGAN ENG'G AND ENVIRONMENTAL SERVICES INC.	12.9
47	WHITMAN, REQUARDT & ASSOCIATES LLP	12.2
48	LJA ENGINEERING INC.	12.0
49	O'BRIEN & GERE	11.4
50	TERRACON CONSULTANTS INC.	11.0

SEWERAGE AND SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)
1	CH2M HILL	509.7
2	MWH GLOBAL	369.9
3	AECOM TECHNOLOGY CORP.	323.7
4	CDM SMITH	195.5
5	TETRA TECH INC.	182.0
6	HDR	174.3
7	BROWN AND CALDWELL	160.0
8	BLACK & VEATCH	158.7
9	URS CORP.	150.3
10	ARCADIS U.S./RTKL	116.0
11	HAZEN AND SAWYER PC	114.1
12	PARSONS	111.7
13	SCS ENGINEERS	103.9
14	CAROLLO ENGINEERS INC.	94.9
15	JACOBS	79.7
16	GREELEY AND HANSEN LLC	67.3
17	STANTEC INC.	66.8
18	HATCH MOTT MACDONALD	48.4
19	AMEC	44.0
20	WOODARD & CURRAN	42.8
21	AEGION CORP.	42.3
22	DLZ	39.5
23	MICHAEL BAKER INTERNATIONAL	38.8
24	GEOSYNTEC CONSULTANTS	38.3
25	APEX COS. LLC	35.8
26	KLEINFELDER	33.3
27	O'BRIEN & GERE	31.6
28	BURNS & MCDONNELL	30.9
29	GOLDER ASSOCIATES INC.	29.8
30	CIVIL & ENVIRONMENTAL CONSULTANTS INC.	28.1
31	DVIRKA AND BARTILUCCI CONSULTING ENGINEERS	27.9
32	WADE TRIM	26.8
33	WESTON & SAMPSON	26.7
34	RJN GROUP INC.	25.1
35	BROWN & GAY ENGINEERS INC.	23.4
36	STRAND ASSOCIATES INC.	23.2
37	WRIGHT-PIERCE	22.0
38	KENNEDY/JENKS CONSULTANTS	21.7
39	STANLEY CONSULTANTS INC.	20.7
40	EA ENGINEERING SCIENCE AND TECH. INC.	20.0
41	ATKINS NORTH AMERICA	19.5
42	FREESE AND NICHOLS INC.	19.4
43	DEWBERRY	18.2
44	GANNETT FLEMING	17.4
45	HNTB COS.	16.9
46	JONES, EDMUNDS & ASSOCIATES INC.	16.4
47	KPFF CONSULTING ENGINEERS	16.2
48	WENCK ASSOCIATES INC.	15.9
49	BURGESS & NIPLE INC.	15.6
50	S&ME INC.	15.4

The Top Design Firms in Environment

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.)
1	URS CORP.	888.2
2	ARCADIS U.S./RTKL	831.0
3	CH2M HILL	555.2
4	AECOM TECHNOLOGY CORP.	536.1
5	TETRA TECH INC.	491.0
6	JACOBS	330.8
7	PARSONS	279.0
8	BECHTEL	227.0
9	AMEC	220.0
10	TRC COS. INC.	182.6
11	FLUOR CORP.	174.8
12	WESTON SOLUTIONS INC.	150.7
13	KLEINFELDER	133.2
14	GEOSYNTEC CONSULTANTS	124.5
15	CDM SMITH	120.5
16	CB&I	101.2
17	BROWN AND CALDWELL	92.0
18	CARDNO	82.3
19	TERRACON CONSULTANTS INC.	68.9
20	HALEY & ALDRICH INC.	62.7
21	LOUIS BERGER	61.6
22	GZA GEOENVIRONMENTAL INC.	57.6
23	HDR	51.4
24	O'BRIEN & GERE	50.9
25	BUREAU VERITAS	48.3
26	BURNS & MCDONNELL	48.3
27	ENSAFE INC.	44.1
28	LANGAN ENG'G AND ENVIRONMENTAL SERVICES INC.	40.1
29	MICHAEL BAKER INTERNATIONAL	39.9
30	EA ENGINEERING SCIENCE AND TECH. INC.	39.5
31	WOODARD & CURRAN	39.2
32	SCS ENGINEERS	38.4
33	ECOLOGY & ENVIRONMENT INC.	32.2
34	STANTEC INC.	31.1
35	BLACK & VEATCH	22.3
36	ECS	22.0
37	GEI CONSULTANTS INC.	20.3
38	HATCH MOTT MACDONALD	16.8
39	GANNETT FLEMING	16.1
40	S&ME INC.	14.7
41	FUSS & O'NEILL INC.	14.7
42	H2M ARCHITECTS + ENGINEERS	13.3
43	KENNEDY/JENKS CONSULTANTS	12.8
44	VERSAR INC.	12.2
45	DANIEL B. STEPHENS & ASSOCIATES INC. (DBS&A)	11.6
46	GEOENGINEERS INC.	11.0
47	HULL & ASSOCIATES INC.	10.5
48	FOTH COS.	10.4
49	NINYO & MOORE	10.0
50	SHORT ELLIOTT HENDRICKSON INC.	10.0

WATER TREATMENT, DESALINATION PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	TETRA TECH INC.	548.0
2	CH2M HILL	506.4
3	MWH GLOBAL	256.2
4	AECOM TECHNOLOGY CORP.	204.3
5	CDM SMITH	152.5
6	ARCADIS U.S./RTKL	126.0
7	JACOBS	85.2
8	HDR	65.6
9	KBR	53.6
10	BLACK & VEATCH	51.4
11	CAROLLO ENGINEERS INC.	47.4
12	KIMLEY-HORN AND ASSOCIATES INC.	33.8
13	MICHAEL BAKER INTERNATIONAL	32.0
14	BURNS & MCDONNELL	30.3
15	AMEC	30.3
16	STANTEC INC.	25.0
17	URS CORP.	24.2
18	GANNETT FLEMING	23.0
19	PARSONS	20.5
20	BROWN AND CALDWELL	20.0

SANITARY AND STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.)
1	MWH GLOBAL	167.9
2	AECOM TECHNOLOGY CORP.	112.7
3	CH2M HILL	101.2
4	PARSONS	99.9
5	URS CORP.	63.4
6	BLACK & VEATCH	59.8
7	CDM SMITH	59.0
8	BROWN AND CALDWELL	53.0
9	AEGION CORP.	42.3
10	HDR	40.0
11	GREELEY AND HANSEN LLC	37.6
12	STANTEC INC.	35.0
13	HATCH MOTT MACDONALD	28.5
14	WADE TRIM	22.7
15	RJN GROUP INC.	21.1
16	AMEC	21.0
17	CAROLLO ENGINEERS INC.	18.9
18	KPFF CONSULTING ENGINEERS	16.2
19	LJA ENGINEERING INC.	14.5
20	MICHAEL BAKER INTERNATIONAL	14.2
21	DVIRKA AND BARTILUCCI CONSULTING ENGINEERS	11.2
22	DEWBERRY	10.3
23	FREESE AND NICHOLS INC.	10.2
24	RUMMEL KLEPPER & KAHL LLP	9.8
25	WRIGHT-PIERCE	9.5

*BASED ON 2013 CONTRACTING REVENUE FROM ENVIRONMENT AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

The Top Design Firms in Environment

CHEMICAL AND SOIL REMEDIATION		
RANK	FIRM	REVENUE (\$ MIL.)
1	URS CORP.	570.1
2	ARCADIS U.S./RTKL	498.0
3	AECOM TECHNOLOGY CORP.	356.5
4	PARSONS	193.4
5	TETRA TECH INC.	156.0
6	JACOBS	145.3
7	CH2M HILL	116.7
8	CDM SMITH	103.3
9	GEOSYNTEC CONSULTANTS	93.6
10	AMEC	84.6
11	BECHTEL	74.0
12	TRC COS. INC.	66.1
13	BROWN AND CALDWELL	52.0
14	GEI CONSULTANTS INC.	28.3
15	BURNS & MCDONNELL	25.2
16	ECOLOGY & ENVIRONMENT INC.	24.0
17	BLACK & VEATCH	22.3
18	HDR	20.4
19	STANTEC INC.	20.0
20	LOUIS BERGER	17.6

TRANSMISSION LINES AND AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	243.6
2	BLACK & VEATCH	124.0
3	MWH GLOBAL	87.7
4	URS CORP.	68.4
5	HDR	41.7
6	MICHAEL BAKER INTERNATIONAL	37.7
7	JACOBS	37.6
8	ATKINS NORTH AMERICA	37.0
9	CH2M HILL	32.1
10	FREESE AND NICHOLS INC.	26.6
11	BROWN AND CALDWELL	25.0
12	STANTEC INC.	24.3
13	CDM SMITH	22.3
14	HATCH MOTT MACDONALD	19.7
15	FUGRO	15.0
16	LJA ENGINEERING INC.	13.5
17	BARTLETT & WEST INC.	13.4
18	LOUIS BERGER	12.5
19	DEWBERRY	12.1
20	LEO A DALY	12.0

SITE ASSESSMENT AND COMPLIANCE		
RANK	FIRM	REVENUE (\$ MIL.)
1	CH2M HILL	425.5
2	ARCADIS U.S./RTKL	293.0
3	TETRA TECH INC.	266.0
4	URS CORP.	257.0
5	AECOM TECHNOLOGY CORP.	154.9
6	AMEC	80.7
7	TRC COS. INC.	67.3
8	BROWN AND CALDWELL	40.0
9	TERRACON CONSULTANTS INC.	37.8
10	JACOBS	36.9
11	LOUIS BERGER	35.9
12	HDR	31.0
13	MICHAEL BAKER INTERNATIONAL	29.9
14	SCS ENGINEERS	24.9
15	BURNS & MCDONNELL	23.2

WASTEWATER TREATMENT PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	CH2M HILL	362.0
2	AECOM TECHNOLOGY CORP.	211.0
3	MWH GLOBAL	208.2
4	ARCADIS U.S./RTKL	117.0
5	CDM SMITH	112.7
6	BROWN AND CALDWELL	102.0
7	BLACK & VEATCH	98.5
8	HDR	91.5
9	TETRA TECH INC.	77.0
10	CAROLLO ENGINEERS INC.	76.0
11	URS CORP.	74.4
12	JACOBS	64.9
13	STANTEC INC.	29.5
14	BURNS & MCDONNELL	28.5
15	GREELEY AND HANSEN LLC	26.4
16	HATCH MOTT MACDONALD	18.5
17	GANNETT FLEMING	17.4
18	MICHAEL BAKER INTERNATIONAL	13.9
19	STRAND ASSOCIATES INC.	13.8
20	AMEC	13.2
21	DVIRKA AND BARTILUCCI CONSULTING ENGINEERS	12.5
22	WRIGHT-PIERCE	12.3
23	PARSONS	11.8
24	HNTB COS.	11.6
25	TIGHE & BOND INC.	10.9

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The Top Design Firms in Environment

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)
1	TETRA TECH INC.	105.0
2	SCS ENGINEERS	103.9
3	CH2M HILL	46.6
4	HDR	42.8
5	GEOSYNTEC CONSULTANTS	32.4
6	GOLDER ASSOCIATES INC.	29.7
7	CIVIL & ENVIRONMENTAL CONSULTANTS INC.	25.9
8	CDM SMITH	23.8
9	URS CORP.	12.5
10	MICHAEL BAKER INTERNATIONAL	10.7

CLEAN AIR ACT COMPLIANCE		
RANK	FIRM	REVENUE (\$ MIL.)
1	PARSONS	85.6
2	URS CORP.	49.3
3	JACOBS	49.2
4	TRC COS. INC.	30.6
5	TETRA TECH INC.	30.0
6	AECOM TECHNOLOGY CORP.	24.8
7	AMEC	21.9
8	ARCADIS U.S./RTKL	21.0
9	CH2M HILL	8.3
10	MICHAEL BAKER INTERNATIONAL	6.1

DAMS AND RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM TECHNOLOGY CORP.	176.7
2	URS CORP.	166.5
3	TETRA TECH INC.	119.0
4	HDR	67.1
5	ARCADIS U.S./RTKL	47.0
6	STANTEC INC.	41.7
7	MICHAEL BAKER INTERNATIONAL	34.0
8	LOUIS BERGER	28.3
9	AMEC	24.2
10	MWH GLOBAL	23.9
11	GANNETT FLEMING	23.9
12	BLACK & VEATCH	19.7
13	GEI CONSULTANTS INC.	17.5
14	FUGRO	15.0
15	FREESE AND NICHOLS INC.	11.1

NUCLEAR WASTE		
RANK	FIRM	REVENUE (\$ MIL.)
1	FLUOR CORP.	174.8
2	BECHTEL	153.0
3	JACOBS	99.5
4	TETRA TECH INC.	39.0
5	GEOSYNTEC CONSULTANTS	20.7
6	MERRICK & CO.	15.7
7	URS CORP.	11.8
8	AMEC	11.3
9	CDM SMITH	7.2
10	CH2M HILL	4.7

ASBESTOS AND LEAD ABATEMENT		
RANK	FIRM	REVENUE (\$ MIL.)
1	TERRACON CONSULTANTS INC.	20.3
2	TRC COS. INC.	18.6
3	AMEC	8.3
4	LOUIS BERGER	7.9
5	EFI GLOBAL INC.	4.8

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By **Bruce Buckley**

Innovation, Better Cash Flow Create Optimism

Many manufacturers say they plan to move ahead with projects



HOT SPOT A recently completed auto assembly facility for Nissan in Mexico, which has plans to expand.

Many manufacturers are showing greater optimism in U.S. markets and are pushing ahead with new facilities, expansions and retooling projects.

Vince DiPofi, chief strategy officer at SSOE Group, sees growth in the manufacturing sector in emerging markets as well as domestically. “There’s definitely an upward trend in opportunities,” he adds.

In June, the National Association of Manufacturers reported that sales forecasts among manufacturers were the highest in two years, according to a

NAM-Industry Week survey. The survey also suggests that not all manufacturers are ready to forge ahead with projects. Manufacturers expect to increase capital spending on average by 2.3% over the next 12 months, which is higher than reported in the past two annual surveys. However, 41.5% expected to increase capital spending levels this year, while 39.1% said capital spending will remain the same.

Manufacturers also are making the most of their existing facilities. The Federal Reserve reported the capacity utilization rate for total industry increased

in May to 79.1%, 1% below the historical average since 1972.

David Haselton, director of global manufacturing solutions at CH2M Hill, says frustration with political battles in Washington, D.C., coupled with global uncertainty tied to Middle East conflicts, have made manufacturers wary when making business decisions. “It’s a very unstable time in history,” he says. The good news, Haselton says, is that companies have money to invest. Some are looking at new technologies, especially in the automotive sector. “We see a lot of innovation around the automotive industry that is propelling things in a very positive way for the next three to five years,” he says.

In 2012, Ford announced it was re-designing its F-150 pickup to feature a mostly aluminum body. Haselton says he sees other car companies looking to follow the same strategy. “To see other manufacturers say they want to go the same way is great for engineers and contractors in the manufacturing sector,” he says.

When manufacturers make big moves, suppliers follow and create additional opportunities. Last year, Alcoa broke ground on a \$275-million expansion of its Tennessee facility to meet growing demand for aluminum in cars. The company estimates that demand for aluminum in the automotive sector could double by 2025.

DiPofi sees widespread interest within the automotive industry to expand and retool facilities. SSOE designed a new 1.9-million-sq-ft automotive assembly facility for Nissan North America in Aguascalientes, Mexico. The recently completed plant was designed, constructed and placed in production within 22 months.

The project is the first of three project phases planned at the greenfield site. In June, Nissan announced it would partner with Daimler AG to invest \$1.4 billion in the next phase at the Aguascalientes facility. DiPofi did not say if SSOE is involved in the next phase; however, he said the company is bullish on the overall market in Mexico. The company opened an office in Mexico in January. “That’s a real hot spot for us,” he says. ■

TOP MANUFACTURING, TELECOM DESIGN PROJECTS REPORTED BY DODGE

RANK	CURRENT PHASE	PROJ. TOTAL (\$ MIL.)
1	NON-REACTOR NUCLEAR URANIUM PROCESSING FACIL., TENNESSEE	6,500.0
2	NUCOR STEEL LOUISIANA PLANT, LOUISIANA	2,650.0
3	FERTILIZER PLANT, INDIANA	2,000.0
4	NORTHERN PLAINS NITROGEN FERTILIZER PLANT	1,800.0

SOURCE: MCGRAW HILL CONSTRUCTION DODGE DATA

The Top Design Firms in Manufacturing, Telecom

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	966.2
2	BECHTEL	567.0
3	FLUOR CORP.	399.7
4	URS CORP.	303.4
5	KBR	236.6
6	TETRA TECH INC.	169.0
7	AMEC	147.0
8	S&B ENGINEERS AND CONSTRUCTORS LTD. AND AFFILIATES	128.4
9	CH2M HILL	124.6
10	AUSENCO	100.0
11	FOTH COS.	92.5
12	CRB	86.9
13	DAY & ZIMMERMANN	72.2
14	HARGROVE ENGINEERS + CONSTRUCTORS	67.2
15	WOOD GROUP MUSTANG INC.	63.1
16	PROFESSIONAL SERVICE INDUS. (PSI)	55.4
17	SSEO GROUP	51.9
18	WORLEYPARSONS GROUP INC.	50.4
19	IPS - INTEGRATED PROJECT SERVICES INC.	42.4
20	STANTEC INC.	42.3
21	STELLAR	40.1
22	BURNS & MCDONNELL	38.8
23	POWER ENGINEERS INC.	36.9
24	O'BRIEN & GERE	35.3
25	CDI CORP.	33.3
26	MIDDDOUGH INC.	28.0
27	ORBITAL ENGINEERING INC.	24.6
28	GOLDER ASSOCIATES INC.	24.1
29	BUREAU VERITAS	22.3
30	O'NEAL INC.	22.2
31	ROBINS & MORTON	21.5
32	MERRICK & CO.	19.6
33	WUNDERLICH-MALEC ENGINEERING INC.	19.0
34	PCI SKANSKA	17.1
35	CSD ENGINEERS LLC	15.0
36	BILFINGER INDUSTRIAL SERVICES NORTH AMERICA	14.3
37	ON-BOARD ENGINEERING CORP.	13.6
38	CARDNO	13.0
39	TERRACON CONSULTANTS INC.	12.6
40	ARCH-CON CORP.	12.2
41	EWINGCOLE	11.8
42	CDM SMITH	11.5
43	STEVENS ENGINEERS & CONSTRUCTORS INC.	10.4
44	AFFILIATED ENGINEERS INC.	10.0
45	ENGLOBAL U.S. INC.	10.0
46	PROCESSES UNLIMITED INTERNATIONAL INC.	10.0
47	KLEINFELDER	9.9
48	GEI CONSULTANTS INC.	9.5
49	HARRIS GROUP INC.	8.5
50	PAULUS SOKOLOWSKI & SARTOR LLC	8.3

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	359.8
2	M+W U.S. INC.	154.9
3	TETRA TECH INC.	142.0
4	CH2M HILL	135.1
5	URS CORP.	120.0
6	FLUOR CORP.	97.1
7	GHAFARI ASSOCIATES LLC	87.0
8	AMEC	84.0
9	CDI CORP.	76.2
10	SSEO GROUP	62.2
11	BUREAU VERITAS	54.8
12	KBR	34.4
13	CHA CONSULTING INC.	25.0
14	RCM TECHNOLOGIES INC.	24.0
15	MIDDDOUGH INC.	23.6
16	RS&H INC.	23.6
17	GOLDER ASSOCIATES INC.	23.1
18	WSP USA	20.5
19	BURNS & MCDONNELL	17.9
20	PROCESS PLUS LLC	17.6
21	LEIDOS	16.6
22	MATRIX TECHNOLOGIES INC.	16.4
23	GRAY CONSTRUCTION	15.3
24	BARGE WAGGONER SUMNER & CANNON INC.	13.2
25	WUNDERLICH-MALEC ENGINEERING INC.	10.1

PULP AND PAPER		
RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	153.8
2	AMEC	46.2
3	KBR	36.1
4	S&B ENGINEERS AND CONSTRUCTORS LTD. AND AFFILIATES	30.9
5	URS CORP.	12.6
6	HARGROVE ENGINEERS + CONSTRUCTORS	12.2
7	ROBINS & MORTON	10.8
8	TETRA TECH INC.	8.0
9	CLARK NEXSEN PC	4.5
10	HARRIS GROUP INC.	4.3

AUTO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)
1	GHAFARI ASSOCIATES LLC	72.2
2	JACOBS	31.8
3	TETRA TECH INC.	31.0
4	SSEO GROUP	30.6
5	URS CORP.	22.0
6	CH2M HILL	16.3
7	LEIDOS	13.6
8	ALBERT KAHN FAMILY OF COS. (KAHN)	7.5
9	GOLDER ASSOCIATES INC.	6.3
10	CDI CORP.	4.7

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The Top Design Firms in Manufacturing, Telecom

STEEL AND NON-FERROUS PLANTS

RANK	FIRM	REVENUE (\$ MIL.)
1	BECHTEL	480.0
2	JACOBS	293.7
3	FLUOR CORP.	123.5
4	TETRA TECH INC.	35.0
5	ORBITAL ENGINEERING INC.	18.5

AEROSPACE

RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	184.5
2	TETRA TECH INC.	91.0
3	FLUOR CORP.	86.0
4	KBR	34.4
5	CDI CORP.	28.3
6	URS CORP.	21.0
7	RS&H INC.	16.8
8	BURNS & MCDONNELL	10.6
9	HARRIS GROUP INC.	6.6
10	BRPH ARCHITECTS-ENGINEERS INC.	6.4

MINING

RANK	FIRM	REVENUE (\$ MIL.)
1	FLUOR CORP.	637.8
2	JACOBS	617.4
3	AMEC	594.6
4	URS CORP.	89.8
5	GOLDER ASSOCIATES INC.	80.4
6	PARSONS BRINCKERHOFF	40.1
7	LOUIS BERGER	40.0
8	HDR	39.4
9	KBR	28.0
10	WALDEMAR S. NELSON AND CO. INC.	16.5

ELECTRONIC ASSEMBLY

RANK	FIRM	REVENUE (\$ MIL.)
1	CDI CORP.	42.8
2	URS CORP.	11.4
3	TETRA TECH INC.	8.0
4	BURNS & MCDONNELL	7.3
5	PROFESSIONAL SERVICE INDUS. (PSI)	6.1

SEMICONDUCTORS

RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	143.6
2	CH2M HILL	118.8
3	M+W U.S. INC.	92.8
4	URS CORP.	32.0
5	SSOE GROUP	31.6

PHARMACEUTICALS

RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	229.8
2	FLUOR CORP.	147.7
3	CRB	82.2
4	URS CORP.	50.7
5	TETRA TECH INC.	42.0
6	STANTEC INC.	35.3
7	CDI CORP.	27.6
8	PROFESSIONAL SERVICE INDUS. (PSI)	23.7
9	CH2M HILL	15.8
10	EWINGCOLE	11.8

FOOD AND BEVERAGE

RANK	FIRM	REVENUE (\$ MIL.)
1	CH2M HILL	52.1
2	STELLAR	40.1
3	URS CORP.	38.0
4	POWER ENGINEERS INC.	36.9
5	JACOBS	33.1
6	PROFESSIONAL SERVICE INDUS. (PSI)	31.8
7	SSOE GROUP	25.2
8	AMEC	18.0
9	TETRA TECH INC.	17.0
10	BURNS & MCDONNELL	16.7

CHEMICAL PLANTS

RANK	FIRM	REVENUE (\$ MIL.)
1	JACOBS	243.6
2	KBR	200.5
3	URS CORP.	185.5
4	FLUOR CORP.	121.6
5	S&B ENGINEERS AND CONSTRUCTORS LTD. AND AFFILIATES	93.9
6	DAY & ZIMMERMANN	72.2
7	TETRA TECH INC.	67.0
8	CH2M HILL	56.7
9	WORLEYPARSONS GROUP INC.	48.8
10	HARGROVE ENGINEERS + CONSTRUCTORS	47.8
11	SSOE GROUP	26.7
12	BURNS & MCDONNELL	22.1
13	BECHTEL	15.0
14	AMEC	11.6
15	PROCESS PLUS LLC	11.6
16	WOOD GROUP MUSTANG INC.	11.4
17	GOLDER ASSOCIATES INC.	11.0
18	ROBINS & MORTON	10.7
19	PCI SKANSKA	9.7
20	CDM SMITH	8.0
20	O'NEAL INC.**	8.0

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The Top Design Firms in Manufacturing, Telecom

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL.)
1	BLACK & VEATCH	175.2
2	BECHTEL	88.0
3	PARSONS	77.0
4	JACOBS	45.9
5	SYSKA HENNESSY GROUP	41.9
6	EXP US SERVICES INC.	35.2
7	KCI TECHNOLOGIES INC.	34.7
8	GPD GROUP	27.8
9	MORRISON HERSHFIELD	23.6
10	CORGAN	23.6
11	VANDERWEIL ENGINEERS	22.1
12	GENSLER	19.5
13	CH2M HILL	18.8
14	TECTONIC ENGINEERING & SURVEYING CONSULTANTS PC	17.7
15	URS CORP.	16.5
16	MICHELS CORP.	15.2
17	ALFA TECH CONSULTING ENTERPRISES INC.	14.1
18	PAGE	14.0
19	KADRMAS LEE & JACKSON INC. (KLJ)	13.5
20	POWER ENGINEERS INC.	13.4
21	ESD (ENVIRONMENTAL SYSTEMS DESIGN INC.)	11.6
22	B+T GROUP	11.4
23	ADVANTAGE ENGINEERS LLC	10.7
24	KMB DESIGN GROUP LLC	10.3
25	MERRICK & CO.	9.8
26	APEX COS. LLC	9.8
27	TERRACON CONSULTANTS INC.	9.7
28	CDI CORP.	9.5
29	HIGHLAND ASSOCIATES LTD.	8.8
30	MISSION CRITICAL PARTNERS INC.	7.2
31	ARCADIS U.S./RTKL	7.0
32	DEWBERRY	6.7
33	CARLSON DESIGN CONSTRUCT	5.1
34	NV5 HOLDINGS INC.	4.7
35	SWANSON RINK INC.	4.7
36	PROFESSIONAL SERVICE INDUS. (PSI)	4.6
37	ATKINS NORTH AMERICA	4.5
38	H.F. LENZ CO.	4.5
39	LEIDOS	4.5
40	ROSS & BARUZZINI INC.	4.0
41	AMEC	4.0
42	CALLISON	3.9
43	CARDNO	3.9
44	CTL ENGINEERING INC.	3.8
45	SHIVE-HATTERY INC.	3.6
46	MEAD & HUNT INC.	3.3
47	COBB, FENDLEY & ASSOCIATES INC.	3.2
48	MASER CONSULTING PA	3.2
49	AIHIA CONSULTING ENGINEERS	3.0
50	CLARK NEXSEN PC	3.0

TOWERS AND ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.)
1	BLACK & VEATCH	168.1
2	BECHTEL	88.0
3	PARSONS	76.9
4	FDH	32.8
5	GPD GROUP	27.8
6	TECTONIC ENGINEERING & SURVEYING CONSULTANTS PC	17.0
7	MORRISON HERSHFIELD	15.8
8	KMB DESIGN GROUP LLC	10.3
9	ADVANTAGE ENGINEERS LLC	9.5
10	TERRACON CONSULTANTS INC.	8.8

DATA CENTERS		
RANK	FIRM	REVENUE (\$ MIL.)
1	SYSKA HENNESSY GROUP	41.9
2	JACOBS	38.0
3	EXP US SERVICES INC.	35.2
4	CORGAN	23.6
5	VANDERWEIL ENGINEERS	21.6
6	GENSLER	19.5
7	CH2M HILL	18.8
8	PAGE	14.0
9	MORRISON HERSHFIELD	7.8
10	SWANSON RINK INC.	4.7

TRANSMISSION LINES AND CABLING		
RANK	FIRM	REVENUE (\$ MIL.)
1	KCI TECHNOLOGIES INC.	32.7
2	URS CORP.	16.5
3	MICHELS CORP.	15.2
4	POWER ENGINEERS INC.	13.4
5	CDI CORP.	6.6

*BASED ON 2013 CONTRACTING REVENUE FROM MANUFACTURING / TELECOM AS REPORTED IN ENR'S SURVEY OF LEADING CONTRACTORS AND DESIGN FIRMS. SEE ENR.COM FOR EXPANDED LISTINGS.

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ADD Inc.

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311 Summer St.
Boston, Mass. 02210
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www.addinc.com

Advantage Engineers LLC

Edward L. Balsavage, CEO, Managing
Principal
910 Century Drive
Mechanicsburg, Pa. 17055
717-458-0800
www.advantageengineers.com

AECOM Technology Corp.

Michael S. Burke, CEO and President
555 S. Flower St.
Los Angeles, Calif. 90071-2300
(213) 593-8000
www.aecom.com

Aegion Corp.

Joseph Burgess, President
17988 Edison Ave.
Chesterfield, Mo. 63005
(636) 530-8000
www.Aegion.com

Affiliated Engineers Inc.

Jerry Schuett, PE, Princ./Chrmn.
5802 Research Park Blvd.
Madison, Wis. 53719
(608) 238-2616
www.aeieng.com

A|H|A Consulting Engineers

Martin Holoran, CEO
24 Hartwell Avenue
Lexington, Mass. 02421
7813723000
www.aha-engineers.com

AKF Group LLC

Paul A. Bello, Managing Partner
1501 Broadway, Suite 700
New York, N.Y. 10036
(212) 354-5656
www.akfgroup.com

AKRF Inc.

Edward Applebome, CEO/Pres.
440 Park Ave. South
New York, N.Y. 10016
(212) 696-0670
www.akrf.com

Alfa Tech Consulting Enterprises Inc.

Jeff Fini, CEO

1321 Ridder Park Drive, No. 50
San Jose, Calif. 95131
408 487 1200
www.atce.com

Alpha Testing Inc.

Brian A. Powell, PE, President
2209 Wisconsin Street #100
Dallas, Texas 75229
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www.alphatesting.com

Altran

Thomas S. Foley, President/CEO
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Bordentown, N.J. 08505
8554258726
www.altran-na.com

Ambitech Engineering Corp.

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1411 Opus Place, Ste 200
Downers Grove, Ill. 60515
(630) 963-5800
www.ambitech.com

AMEC

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1979 Lakeside Pkwy #400
Tucker, Ga. 30084
770-688-2500
www.amec.com

American Structurepoint Inc.

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www.structurepoint.com

Ammann & Whitney

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New York, N.Y. 10014
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www.ammann-whitney.com

Anvil Corp.

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Bellingham, Wash. 98226
360-671-1450
www.anvilcorp.com

Aon Fire Protection Engineering Corp.

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Lincolnshire, Ill. 60069
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www.aonfpe.com

Apex Cos. LLC

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Rockville, Md. 20855
(301) 417-0200
www.apexcos.com

Arcadis U.S./RTKL

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Highlands Ranch, Colo. 80129
(720) 344-3500
www.arcadis-us.com

Arch-Con Corp.

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www.arch-con.com

Architects Hawaii Ltd.

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Array Architects Inc.

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www.array-architects.com

Arup

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(212) 896-3000
www.arup.com

ATCS PLC

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Ausenco

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www.ausenco.com

Ayers Saint Gross

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Ayres Associates

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www.AyresAssociates.com

The Babcock & Wilcox Co.

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Michael Baker International

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www.mbakertintl.com

Bala Consulting Engineers Inc.

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Ballinger

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French, FAIA; Terry D. Steelman,
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BAR Architects

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Shalom Baranes Associates PC

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Barge Waggoner Sumner & Cannon Inc.

Bob Higgins, President/Chief Executive
Officer
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Nashville, Tenn. 37201
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Bartlett & West Inc.

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Barton & Loguidice DPC

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www.BartonandLoguidice.com

Baxter & Woodman Inc.

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www.baxterwoodman.com

Beam, Longest and Neff LLC

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http://www.b-l-n.com

Bechtel

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The Beck Group

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Alfred Benesch & Co.

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Chicago, Ill. 60601
(312) 565-0450
www.benesch.com

Louis Berger

Nicholas J. Masucci, President/CEO
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(973) 407-1000
www.louisberger.com

Bergmann Associates Inc.

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Bernardin Lochmueller & Associates Inc.

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www.blainc.com

BETA Group Inc.

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401 333-2382
www.Beta-inc.com

Beyer Blinder Belle Architects & Planners LLP

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(212) 777-7800
www.beyerblinderbelle.com

BHDP Architecture
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Binkley & Barfield Inc.
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BKF Engineers
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BL Cos. Inc.
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www.blcompanies.com

Black & Veatch
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www.bv.com

Bohannon Huston Inc.
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Albuquerque, N.M. 87109
(505) 823-1000
www.bhinc.com

Bolton & Menk Inc.
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(507) 625-4171
www.bolton-menk.com

Borton-Lawson
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570-821-1994
www.borton-lawson.com

Boswell Engineering
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South Hackensack, N.J. 07606
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www.boswellengineering.com

Bowman Consulting
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(703) 464-1000
www.bowmanconsulting.com

Braun Intertec Corp.
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Minneapolis, Minn. 55438
(952) 995-2000
www.braunintertec.com

Bridgefarmer & Associates Inc.
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12801 North Central Expressway, Ste. 400
Dallas, Texas 75243
972-231-8800
www.bridgefarmer.com

Brown & Gay Engineers Inc.
Lee C. Lennard, PE, President/CEO
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Houston, Texas 77042
(281) 558-8700
www.browngay.com

Brown and Caldwell
Craig Goehring, CEO
201 N. Civic Dr.
Walnut Creek, Calif. 94596
(925) 937-9010
www.browncaldwell.com

BRPH Architects-Engineers Inc.
Brad J. Harmsen, CEO/President
5700 N. Harbor City Blvd., Suite 400
Melbourne, Fla. 32940
(321) 254-7666
www.brph.com

Buchart-Horn Inc./BASCO Associates
Brian S. Funkhouser, PE, Pres./CEO
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York, Pa. 17401
(717) 852-1400

www.bh-ba.com

Bureau Veritas
Pedro Guimaraes, CEO
1601 Sawgrass Corporate Pkwy, #400
Fort Lauderdale, Fla. 33323
(888) 357-7020
www.us.bureauveritas.com

Burgess & Niple Inc.
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5085 Reed Rd.
Columbus, Ohio 43220
(614) 459-2050
www.burgessniple.com

The Burke Group
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Rosemont, Ill. 60018
(847) 823-0500
www.cbbel.com

Burk-Kleinpeter Inc.
George C. Kleinpeter Jr., President
4176 Canal St.
New Orleans, La. 70119
(504) 486-5901
www.bkiusa.com

Burns & McDonnell
Greg Graves, Chairman/President/CEO
9400 Ward Pkwy.
Kansas City, Mo. 64114
(816) 333-9400
www.burnsmcd.com

Burns and Roe Group Inc.
K. Keith Roe, Pres./CEO
800 Kinderkamack Rd.
Oradell, N.J. 07649
(201) 265-2000
www.roe.com

Burns Engineering Inc.
Matthew J. Burns, PE, President
1835 Market St.; Suite 300
Philadelphia, Pa. 19103
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www.burns-group.com

Buro Happold Consulting Engineers
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New York, N.Y. 10005
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www.burohappold.com

Bury

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www.buryinc.com

BWBR

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380 St. Peter St., #600
St. Paul, Minn. 55102
651-222-3701
www.bwbr.com

C&I Engineering

James W. Kerr, Exec. Dir. Projects
1930 Bishop Ln. Ste #800
Louisville, Ky. 40218-1945
(502) 451-4977
www.cieng.com

C&S Cos.

Ronald Peckham, PE, Chairman and CEO
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Syracuse, N.Y. 13212
(315) 455-2000
www.cscos.com

Callison

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(206) 623-4646
www.callison.com

Cannon Design

Gary R. Miller, CEO
2170 Whitehaven Rd.
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(716) 773-6800
www.CannonDesign.com

Cardno

Paul Gardiner, President
5415 SW Westgate Dr., Ste. 100
Portland, Ore. 97221
503-734-1800
www.cardno.com

Carollo Engineers Inc.

B. Narayanan, PE, President/CEO
2700 Ygnacio Valley Rd., Ste. 300
Walnut Creek, Calif. 94598
925-932-1710
www.carollo.com

CASCO Diversified Corp.

,
10877 Watson Rd.
St. Louis, Mo. 63127

(314) 821-1100
cascocorp.com

Francis Cauffman

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646-315-7000
franciscauffman.com

CB&I

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www.cbi.com

CBT/ Childs Bertman Tseckares Inc.

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www.cbtarchitects.com

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CDI Corp.

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CDM Smith

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Century Engineering Inc.

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CH2M HILL

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CHA Consulting Inc.

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Chester Engineers

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Chipman Design Architecture

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Civil & Environmental Consultants Inc.

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Clark Nexsen PC

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Clark Patterson Lee

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www.coffman.com

Collins Engineers Inc.

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www.collinsengr.com

Commonwealth Associates Inc.

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www.cai-engr.com

Cooper Carry Inc.

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Corgan

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Costello Inc.

Stephen C. Costello, PE, President
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www.costelloinc.com

COWI North America

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CP&Y Inc.

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www.cpyi.com

CPH Inc.

Kamran Khosravani, CEO/Princ.

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(407) 322-6841
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Crafton Tull

Matt Crafton, PE, CEO
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Rogers, Ark. 72756
(479) 636-4838
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Crawford, Murphy & Tilly Inc.

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CRB

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Kansas City, Mo. 64116
(816) 880-9800
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T.J. Cross Engineers Inc.

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200 New Stine Rd., Ste. 270
Bakersfield, Calif. 93309
(661) 831-8782
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Pittsburgh, Pa. 15205
412-489-9050
www.csdengineers.com

CTA Architects Engineers

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www.ctagroup.com

CTL Engineering Inc.

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CTLGroup

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Leo A Daly

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www.leodaly.com

Dannenbaum Engineering Corp.

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(713) 520-9570
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Davis & Floyd Inc.

Jerry R. Timmons, PE, CEO
P.O. Drawer 428
Greenwood, S.C. 29648
(864) 229-5211
www.davisfloyd.com

Davis Brody Bond

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Davis Partnership Architects

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www.davispartnership.com

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Dekker/Perich/Sabatini Ltd.
Steven J. Perich, President
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Minneapolis, Minn. 55402
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www.dlrgroup.com

DLZ
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www.drmp.com

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New York, N.Y. 10014
(212) 807-7171
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www.ensafe.com

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