



FOR IMMEDIATE RELEASE

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**ACEC NAMES ORANGE COUNTY GROUNDWATER
REPLENISHMENT SYSTEM NATION'S BEST
ENGINEERING ACHIEVEMENT**

Transforms Wastewater Into Superior Drinking Water for 500,000 Residents

WASHINGTON – (May 4, 2009) The Orange County Groundwater Replenishment System in Fountain Valley, Calif., has been named the year's best engineering achievement in the 43rd Engineering Excellence Awards, sponsored by the American Council of Engineering Companies (ACEC).

Designed by CDM, the Groundwater Replenishment System is the world's largest facility for transforming wastewater, previously discarded into the ocean, into premium drinking water. The project was chosen from 168 projects from throughout the world for its innovative engineering design and impact on society.

Located in drought-plagued Orange County, California, the project includes a multi-stage cleansing process that produces 70 million gallons per day of recycled water that exceeds drinking water standards. The water is added after treatment to a major underground aquifer—the district's primary water source. The additional water source satisfies the needs of 144,000 households or about half a million residents.

The landmark water purification system moves beyond engineering recycled wastewater for agriculture or landscape applications, to creating a superior drinking water source and a new model for critical large-scale water supply projects worldwide.

Other ACEC 2009 Engineering Excellence Award Winners are:

GRAND AWARDS

Lucas Oil Stadium, Indianapolis, Ind.

Walter P Moore—Houston, Texas

The new home to the National Football League's Indianapolis Colts features several engineering "firsts" including a movable roof that opens lengthwise, and North America's largest moving glass window wall. It was recently named the site of the 2012 Super Bowl.

Great River Energy Headquarters, Maple Grove, Minn.

Dunham Associates, Inc.—Minneapolis, Minn.

The new headquarters has earned a LEED Platinum Certification—the highest honor for sustainable green building construction—by incorporating nearby Arbor Lake as a geothermal heating and cooling source.

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One Rincon Hill, San Francisco, Calif.

Magnusson Klemencic Associates—Seattle, Wash.

The 60-story high-rise building in downtown San Francisco features a first-of-its kind structural system that advances the engineering of tall buildings in seismic zones.

High Road Bridge Over Long Run Creek, Lockport, Ill.

Teng & Associates, Inc.—Chicago, Ill.

The nation's first successful bridge deployment of hybrid-composite beams containing fiber reinforced plastic represents a major advancement in bridge technology.

City of Buffalo Wastewater Treatment Facility, Buffalo, Minn.

Bolton & Menk, Inc.—Mankato, Minn.

The City of Buffalo, Minnesota's newly designed wastewater treatment facility eliminates hauling and disposal of wastewater biosolids by converting them into a cost-saving renewable energy source.

Woodrow Wilson Bridge Project, Maryland and Virginia

Potomac Crossing Consultants—a joint venture of Parsons Brinckerhoff; URS; and Rummel, Klepper & Kahl—Baltimore, Md.

One of the largest multi-jurisdictional projects ever undertaken in the Mid-Atlantic region replaces an outdated bridge with a \$2.4 billion state-of-the-art superstructure that eliminates one of the nation's worst traffic bottlenecks.

Andersen Corp. Steam Generating Facility, Bayport, Minn.

TKDA—Saint Paul, Minn.

The new Andersen Corp. steam generating facility produces 100 percent of the manufacturing and heating steam needed for the company's 63-acre operation—completely from renewable energy.

HONOR AWARDS

The Ohmi-Ohdori Bridge, Shiga Prefecture, Japan

The Louis Berger Group/J.A. Brennan Associates—Washington, D.C.

Shanghai World Financial Center, Shanghai, China

Leslie E. Robertson Associates, R.L.L.P.—New York, N.Y.

One Bryant Park, The Bank of America Headquarters, New York, N.Y.

Jaros Baum & Bolles—New York, N.Y.

17th Street Canal Interim Closure Structure, New Orleans/Metairie, La.

Linfield, Hunter & Junius, Inc.—Metairie, La.

Pentagon Mémorial, Arlington, Va.

Alpha Corporation—Dulles, Va.

Grand Avenue Bus Depot and Central Maintenance Facility, New York, N.Y.

Gannett Fleming Engineers and Architects, P.C.—New York, N.Y.

I-35W Bridge Minneapolis, Minn.

FIGG Bridge Engineers, Inc.—Tallahassee, Fla.

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Leachate Treatment Goes “GREEN” with PHYTO, St. Louis, Mo.
Leggette, Brashears & Graham, Inc.— St. Paul, Minn.

Marina Barrage and Reservoir, Republic of Singapore
CDM—Cambridge, Mass.

Red Mountain Freeway, Mesa, Ariz.
Stanley Consultants, Inc.—Phoenix, Ariz.

S.W. Minnesota Wind Transmission Upgrade Project, Worthington, Minn.
Burns & McDonnell Engineering Co., Inc.—Kansas City, Mo.

The High Line Project, New York, N.Y.
HDR Engineering, Inc.—New York, N.Y.

The Lewistown Narrows, Lewistown, Pa.
The EADS Group, Inc.—Altoona, Pa.

U.S. 90 over St. Louis Bay, Pass Christian, Miss.
HNTB Corporation / Burns Cooley Dennis, Inc.—Plano, Texas

Utah State Capitol Seismic Base Isolation and Restoration, Salt Lake City, Utah
Reaveley Engineers + Associates—Salt Lake City, Utah

Virginia Mason Athletic Center, Renton, Wash.
Magnusson Klemencic Associates—Seattle, Wash.

The American Council of Engineering Companies (ACEC) is the business association of America’s engineering industry, representing nearly 5,700 independent engineering companies throughout the United States engaged in the development of America’s transportation, water and energy infrastructure, along with environmental, industrial and other public and private facilities. Founded in 1909 and headquartered in Washington, D.C., ACEC is a national federation of 51 state and regional organizations.