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FOR IMMEDIATE RELEASE

## WINNERS ANNOUNCED FOR BEST PROJECTS BY BC CONSULTING ENGINEERS

*Engineers contributions to improving peoples' lives emerge as a dominant theme in projects ranging from a performing arts centre, an arena, an artistic bridge in Dubai, to energy generation and water filtration.*

VANCOUVER, BC                      The 2011 Awards for Engineering Excellence, held last night at the new Vancouver Convention Centre, showcased the best in BC engineering. The impact engineering has on improving daily lives was apparent in the 50 entries and featured prominently in the winners, which included facilities design for the arts and sports, hydro-electric facilities, development of new energy sources, two international projects and seismic improvements in transportation.

“Imagine a world without running water, roads or electricity. So many aspects of our daily lives depend on engineers,” said Jack Lee, P.Eng., President of the Consulting Engineers of BC. “BC’s engineering sector makes \$2 billion contribution to the political economy, and is increasingly in demand internationally. Plus it’s great to recognize the impact engineering has on the everyday lives of people.

Awards were given in five categories: Buildings, Municipal, Transportation, Natural Resource, Energy & Industry; and Soft Engineering, which includes research and pilot projects.

This year **Neil Cumming, FCI, P.Eng., Levelton Consultants Ltd., Richmond**, a recognized expert with 33 years experience in construction materials engineering, testing, inspection and evaluation engineering, won the prestigious Meritorious Achievement Award.

The 4<sup>th</sup> Young Consulting Engineer Award was given to **Joel McAllister, P.Eng., Opus DaytonKnight, Abbotsford**, for his leadership in the consulting engineering community and his profession.

## **A complete list of all the award winners follows.**

A panel of judges representing colleagues from industry included: Chief Judge John Haythorne, LL.B., P.Eng, Partner, Fraser Milner Casgrain; **Sarah Clark**, P.Eng, President and CEO, Partnerships British Columbia; **Fred Cummings**, P.Eng, President/General Manager, BC Rapid Transit Company; **Kelly Daniels**, Chief Administrative Officer, Capital Regional District; **Frank Denton**, P.Eng, President, APEGBC; **Dan Doyle**, P.Eng, Chairman, BC Hydro; **Pierre Gallant**, MAIBC, MRAIC, AAA, President, AIBC; **Rod Goy**, Dean, School of Construction and the Environment, BCIT; **Frank Margitan**, P.Eng, Vice-President, Kiewit

### LIEUTENANT GOVERNOR'S AWARD FOR ENGINEERING EXCELLENCE

#### **East Toba and Montrose Hydroelectric Project**

Consultant: Knight Piésold Ltd.

Category: Natural Resources, Energy & Industry

Location: Powell River, BC

- Successfully commissioned in the summer of 2010 ahead of schedule, the project is currently delivering Green Energy to BC Hydro under a long-term Energy Purchase Agreement. The project will provide a sustainable and renewable source of energy to British Columbians for generations.

### AWARDS OF EXCELLENCE

#### **Arena Stage Performing Arts Centre**

Consultant: Fast + Epp Structural Engineers

Category: Buildings

Location: Washington, DC

- Arena Stage transformed existing buildings with comprehensive upgrades, adding new support facilities and a new experimental theatre. The re-envisioned Arena Stage was intended not only to revitalize the aging theatres, but also encourage redevelopment of a derelict Washington, DC neighbourhood one mile south of the National Mall.

#### **Duncan-Bateson Pump Station**

Consultant: Opus DaytonKnight

Category: Municipal

Location: District of Kent, BC

- The Duncan-Bateson Slough drains a catchment of 590 hectares comprised of forested slopes and hills and low-lying farm lands. The slough is a salmonid fish habitat carrying Chinook and Coho fry and smolts. The existing flood pump station could not handle the flow requirements and did not provide for safe fish passage in this catchment area.

### **Sheikh Zayed Bridge**

Consultant: Buckland & Taylor Ltd.

Category: Transportation

Location: Abu Dhabi City, UAE

- This ten lane wide bridge designed by architect Zaha Hadid, is really a giant sculpture defying normal structural logic that made it difficult to construct. At each of the 300 construction steps the cumulative deflections in all parts of the permanent structure and temporary works were calculated, as well as the time-dependent effects of creep and shrinkage. Many iterations were tried before a satisfactory construction sequence was found that did not overload any part of the Bridge.

### **Managing Prince George's Rising Flood Waters**

Consultant: Northwest Hydraulic Consultants

Category: Soft Engineering

Location: Prince George, BC

- The City of Prince George can experience spring floods on the Fraser River, caused by melting snow, and fall or winter floods on the Nechako River, caused by ice freeze-up. The vulnerability of flood prone areas along the Nechako was highlighted by severe flooding during the winter of 2007-08. Northwest Hydraulic Consultants was selected to lead a flood hazard and solutions study for the City to better understand the complex river and ice behavior and develop a plan for flood protection.

## AWARDS OF MERIT

### **Post-Earthquake Jacking & Realignment of the "El Parque - Cuerpo 3" Building**

Consultant: Ausenco Sandwell

Category: Buildings

Location: Santiago, Chile

### **Trout Lake Arena**

Consultant: Fast + Epp Structural Engineers

Category: Buildings

Location: Vancouver, BC

### **Dickson Lake Upgrade**

Consultant: Opus DaytonKnight

Category: Municipal

Location: Abbotsford, BC

### **Alaska Highway Slope Stabilization**

Consultant: Golder Associates Ltd. and GAIA Contractors

Category: Transportation

Location: Northern BC

**Coast Meridian Overpass**

Consultant: SNC-Lavalin Constructors Pacific

Category: Transportation

Location: Port Coquitlam, BC

**Upper Stave Hydroelectric Projects**

Consultant: Knight Piésold Ltd.

Category: Natural Resources, Energy & Industry

Location: Mission, BC

**Eye of the Wind**

Consultant: Morrison Hershfield Ltd.

Category: Natural Resources, Energy & Industry

Location: Grouse Mountain, North Vancouver, BC

**Mount Milligan Mine Waste Management Plan**

Consultant: Knight Piésold Ltd.

Category: Soft Engineering

Location: Fort St. James, BC

**UBC Campus Alternate Energy Feasibility Report**

Stantec Consulting Ltd.

Category: Soft Engineering

Location: Vancouver, BC

***The Consulting Engineers of BC is the business voice for the consulting engineering industry across the province. CEBC represents 90 firms in the province with a total individual membership of over 7,500.***

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