# LANE COBURN & ASSOCIATES, LLC

*Electrical Engineering Solutions for the Construction Industry*

## NEWSLETTER - NOVEMBER 2008

Lane Coburn & Associates, LLC would like to take this opportunity to thank all of our Great Clients! We continue to improve to provide you a better product.

LCa - Team

LEED

Our seven staff members include Professional Engineers, Sr. Electrical Designers, CAD designers, Lighting Designers & support staff. Each of the LCA team members has a minimum of 15 years of electrical engineering/design experience. Two of our team members are LEED Accredited Professionals with a significant amount of experience on LEED projects.

City of Seattle
Department of
Planning and Development

Keith Lane & Scott Coburn were named to the 2009 Seattle Electrical Code Review Committee. Keith & Scott are working with the Seattle Department of Planning and Development and a handful of other engineers and contractors. Keith had previously served on the 2005 Seattle Electrical Code Review Committee.

## To Better Serve Our Clients

Lane Coburn & Associates has registered with the Small Business Administration and with the Central Contractor Registration for the Federal Government. The following is our registration information:

Certifications: SBE
CCR Registration
NAICS: 541330 & 541340

DUNS # 926179537
ORCA Registration

U.S. Small Business Administration
SBA
Your Small Business Resource

Keith Lane participated as an expert panelist for Consulting Specifying Engineering Webcast in October

**WEBCAST**

**Emergency Power Systems for Hospitals: Sweating the Small Stuff**

Thursday, October 23, 2008 11:00am PDT | 1:00pm CDT | 2:00pm EDT

REGISTER NOW

Hospitals must operate 24/7/365, no matter how bad the weather or other prevailing circumstances. In fact, the worse the weather, the more likely it is that the hospitals nearest the areas of concern will be needed.

Many of these concerns can impact the availability of power. And everyone knows that hospitals need a lot of power all the time, and that this power must be of the highest quality because of ultra-sensitive, expensive, and life-sustaining equipment.

**Expert Panelists:**

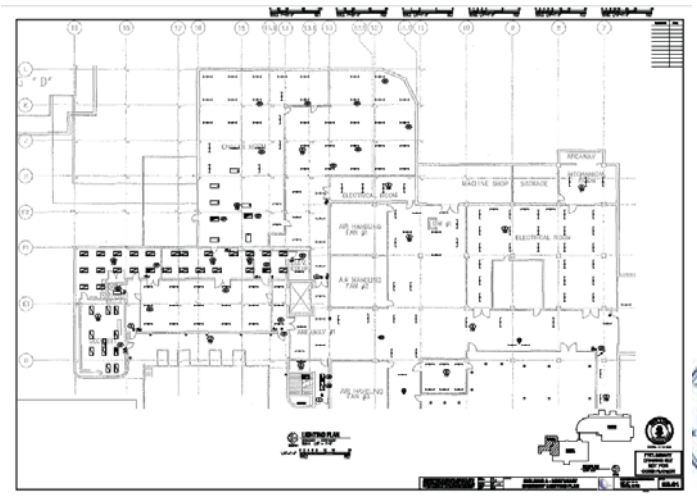
**James D. Ferris, PE, Associate and Electrical Project Manager, TLC Engineering**

James D. Ferris, PE, is an associate and electrical project manager in the Healthcare Division of TLC Engineering for Architecture in Orlando, Florida. He has eight years of engineering experience and a master's degree in electrical engineering from the Polytechnic University in New York.

PRESENTED BY:
CONSULTING - SPECIFYING engineer
PUREPOWER

**Keith Lane, P.E., RCDD/NTS, LC, LEED A.P., Principal - Lane Coburn & Associates, LLC**

Keith is a Professional Electrical Engineer licensed in ten states (P.E.), a Licensed General Electrical Administrator in Washington State, a Registered Communications Distribution Designer (RCDD) through BICSI, a Network Transport System Specialist (NTS Specialist) registered through BICSI, a Certified Telecommunications Project Manager (TPM) through the Telecommunication Project Management Association (TPMA), a Lighting Certified Qualified Professional (LC) through the National Council on Qualifications for the Lighting Professional – NCQLP and a LEED Accredited Professional (LEED A.P.) through the U.S. Green Building Council. Keith has active memberships in several professional organizations including; BICSI, TPMA (Telecommunication Project Management Association), the NFPA, the 7 x 24 Exchange – End to End Reliability, the Illuminating Engineering Society, the Washington State Society of Healthcare Engineers and the Electrical League.



## LIGHTING DESIGN

LCA just completed a very large Puget Sound Energy utility incentive analysis for (2) buildings with over 330,000 SF of office area to renovate. The analysis included the complete documentation of the existing lighting layout, proposed new fixtures, calculations of the total energy saved, coordination with the electrical contractor for pricing, completion of the PSE incentive forms and complete coordination with PSE.

## MISSION CRITICAL ENVIRONMENTS

Several of our projects have been for **Mission Critical Facilities.** In addition to comprehensive professional engineering services, LCA offers a complete line of **Specialized Services** including: Protective Device Coordination Studies, Fault Current analysis, Neher-McGrath Duct Bank Heating Calculations, complete 3D Modeling and Reliability Analysis. One of our recent Data Center projects is for the South Hill Business & Technology Center.

### South Hill Business + Technology Center

South Hill Business & Technology Center offers immediate availability to highly equipped, technologically advanced facilities for data center/colocation, clean technology/solar, biotech/life science, technology and research & development companies. Situated on 92 acres, the campus includes ten buildings with over 710,000 square feet of clean rooms and office space.

- World-class facilities. Over 710,000 square feet of flexible space accommodates a wide variety of requirements. Building D, 298,854 square feet features Class 1 clean rooms; Buildings A & C total 336,500 square feet of office and data center space.
- On-site 24/7, 365 days a year engineering support and security. Plentiful free parking.
- Environmentally friendly technology integrated throughout. Buildings feature energy efficient equipment and systems reducing operating costs.
- The only location in the Puget Sound area that can accommodate a 300,000 SF user of office space for lease or for sale.
- Immediate availability; Cost-effective adaptive-reuse opportunity well- below replacement costs.

### Data Center Team

We have assembled an expert team to assist you in any data center design needs, including mapping required infrastructure, to help define your cooling and electrical needs at no additional cost to you. This team (consisting of Keith Lane - Lane Coburn & Associates, Mike Duffy – Duffy Development and McKinstry's Data Center Group), has designed or constructed more than 700MW of data center facilities.

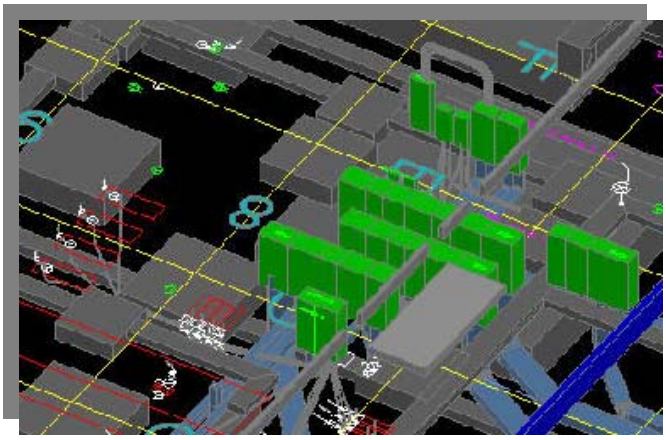
- **Power:**
- 37.5MVA of existing, leased capacity at substation (18.75MVA N+1)
- Directly adjacent to 115kV transmission lines
- Dual fed from separate 115 kV sources
- Extremely high power reliability
- Lowest industrial rates
- 15MW substation in facility (12.47kV)
- Eight 1100kVA UPS modules in facility
- **Cooling:**
- 7200 ton chiller plant on site
- 55 highest quality AHU's (PACE) create ~3 million CFM
- Significant free cooling opportunities with air side economizers
- **Connectivity:**
- Multiple fiber providers available to site
- Short distance from Seattle Internet Exchange (SIX) and the Pacific Northwest Gigapop (PNWGP) both in Seattle

# NEW PROJECT

Lane Coburn & Associates, LLC is currently involved in several projects at Fort Lewis as a sub-consultant to a multidiscipline team headed by BERGER/ABAM.

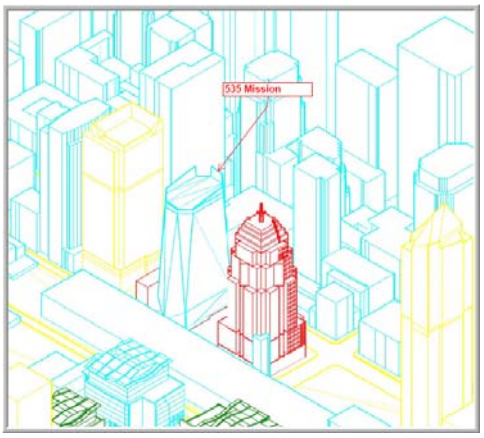
Lane Coburn & Associates, LLC is working with Benaroya Properties on the South Hill Business & Technology Center. In addition to the Data Center portion of work noted above, we are also part of the LEED team to get LEED certification on two large office buildings on the SHBTC Campus.

Lane Coburn & Associates, LLC is in the process of providing comprehensive 3D modeling for a new MSFT Building on Campus. We are working for SASCO.



## SPECIALIZED SERVICES

In September, Lane Coburn & Associates performed a lightning protection Study and analysis for Dynalectric for a 24 story high rise building in San Francisco California.




LCA was also hired to perform LEED consulting services for the Harborview Medical Center – TI's -325 Ninth Avenue / Seattle, WA & the South Hill Business and Technology Center.

LEED

## THANKS TO OUR GREAT CLIENTS

**AMAZON**
**AVDATA Inc**
**BERGER/ABAM**
**Bovis Lend Lease**
**Benaroya Properties**
**Callison Architects**
**City of Bellevue**
**Dynalectric/Emcore**
**EHS Electric**
**Greenfield LLC.**
**IDC Architects**
**CH2MHILL**
**Lighthouse Electric Group**
**Prime Electric**
**Red Sea Group**
**Rock Electric, Inc.**
**SASCO**
**Sequoyah Electric**
**Turner Construction**
**TMOBILE**
**williams + tam DesignWorks**

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