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Upcoming Events

- OneLiner class in Porto Alegre, RS, Brazil on August 31 to September 2. This class will be taught in Portuguese. More information can be found in the Events page of our web site.
- Advanced *OneLiner* class in Houston, Texas, from September 21 to 23. More information and an on-line sign-up sheet can be found in the Events page of our web site.
- ASPEN Users Group Meeting at the Western Protective Relay Conference in Spokane, Washington, on October 18. The sign-up sheet will be available in mid-August.

New Users
Since November 2009

ASPEN OneLiner

- Bandeirante Energia S.A., Mogi das Cruzes, SP, Brazil
- BOSLAN, Madrid, Spain
- Central Power Electric Coop., Minot, ND

ASPEN OneLiner Is The Leader

ASPEN OneLiner™ is the leading short-circuit and relay-coordination program with a 46% market share, according to an independent survey of 87 utilities in 24 countries (55 in the U.S., 12 in Europe, 3 in Latin America, 7 in Asia Pacific, 5 in the Middle East and Africa, and 5 in Canada) by Newton-Evans Research Company in 2009. Figure 1 shows that *OneLiner* surpasses our nearest competitor, *CAPE*, by more than a 2-to-1 margin.

ASPEN	CAPE	CYME	DigSilent	Milsoft	Other	Total
32	15	12	8	5	24	69
46%	22%	17%	12%	7%	35%	100%

Bar graph used with permission of Newton-Evans Research Company and is included in the company's publication titled "Critical Issues in Protective Relaying: Protective Relay Engineering Perspective from 24 Countries."
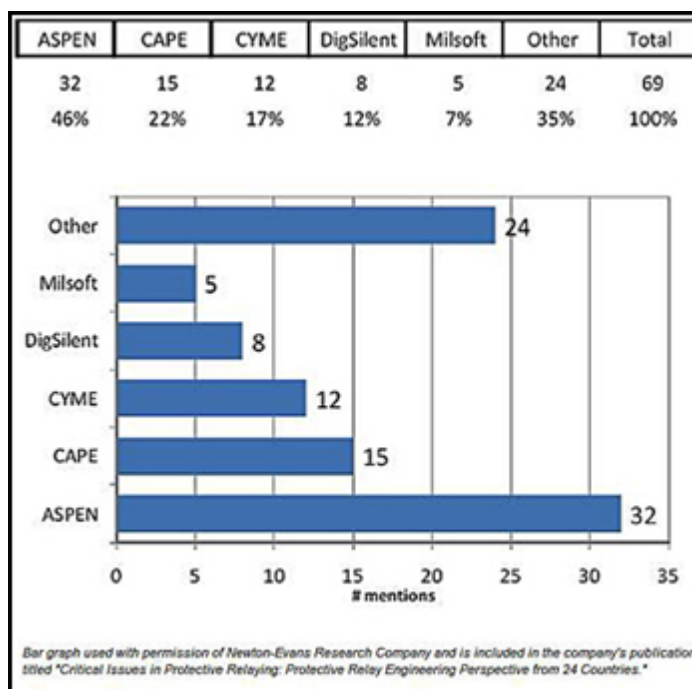
Fig. 1: Results of a survey by Newton-Evans Research Company.

ASPEN Line Database Debut

A customer told us four years ago that he uses the *ASPEN Line Constants Program™* to calculate line parameters, but his company needs the additional capability of storing line-related information in a relational

- Cogeneration Consultants, Walled Lake, MI
- East River Electric Power Coop., Madison, SD
- Electric Power Engineers, Inc., Austin, TX
- Estudios Electricos, Rosario, Santa Fe, Argentina
- Fort Pierce Utilities Authority, FL
- Hatch Mott MacDonald, Millburn, NJ
- Iberdrola Electropaz, La Paz, Bolivia
- INECO, Madrid, Spain
- Joseph Williams, P.E., Albuquerque, NM
- National Renewable Energy Lab., Golden, CO
- Ontario Power Generation, Gravenhurst, ON, Canada
- Parsons Brinckerhoff Ltd., Manchester, United Kingdom
- Peak Power Engineering, Golden, CO
- Power Grid Engineering, LLC, Winter Springs, FL
- Power-Tech Engineering, Inc., Walnut, CA
- Substation Engineering Co., Lenexa, KS
- Ulteig Engineers, Inc., Minneapolis, MN

ASPEN Power Flow™

- BOSLAN, Madrid, Spain
- Central Power Electric Coop., Minot, ND
- Cogeneration Consultants, Walled Lake, MI
- Iberdrola Electropaz, La Paz, Bolivia
- INECO, Madrid, Spain
- SGS Engineering, Lubbock, TX
- Siemens PTI, Schenectady, NY

ASPEN DistriView™

database. This got us working on a new product called the *ASPEN Line Database™.* The *Line Database* is finished now and is ready to launch on August 8, 2010.

The *Line Database* is an electronic depository of data related to power lines and cables. It is designed to be a central reference source for overhead lines and underground cables in power system operations, maintenance, and studies. A powerful line-constants calculator - the same as that in the *Line Constants Program* - is built-in.

Each line in the *Line Database* is made up of overhead, underground and impedance "sections" in different "corridors". A corridor can be thought of as a physical right-of-way with one or more sections of different lines. This section-corridor data structure helps you visualize each line as a string of sections on different corridors. It also lets you see clearly the line's mutual-coupling relationship with other lines that are on those corridors.

The *Line Database* allows you to maintain a library of overhead towers, wires and cables so that you can model the line and cable sections using instances of these objects as building blocks.

The program lets you store in the database any line-related information, in addition to those needed to calculate the line parameters. The database features are flexible and customizable. The administrator of the *Line Database* can customize the data fields' visibility, labeling, the method of data entry. You can store files of any type (e.g., documents, photographs and drawing files) within the database and be able to recall them at any time.

The program has a query system that lets you search and retrieve data quickly and effortlessly.

The *ASPEN Line Database* is available in two versions: "*Line Database Desktop* and *Line Database Enterprise.*

The *Line Database Desktop* is designed to work on a single computer. The executable files and data files of the *Desktop* version must be installed on the computer's local drives.

The *Line Database Enterprise* can be installed on multiple computers in a company's network to allow multi-user access to a common database. The user must enter a login name and a password to gain access to data. The Administrator can assign different form-by-form privileges to different users.

You can find a demo of the *Line Database* in our web site. Please write to us at info@aspeninc.com for more information.

- Burns & McDonnell Co., Kansas City, MO
- California State University, Sacramento, CA
- City of Batavia, IL
- Empire Electric Association, Inc., Cortez, CO
- Imperial Irrigation District, Imperial, CA
- Missouri University of Science and Technology, Rolla, MO
- MWH, Chicago, IL

ASPEN Relay Database™

- Bandeirante Energia S.A., Mogi das Cruzes, SP, Brazil
- Constellation Energy, Baltimore, MD
- PacifiCorp, Portland, Oregon
- Parsons Brinckerhoff Ltd., Manchester, United Kingdom

ASPEN Line Constants Program™

- Bandeirante Energia S.A., Mogi das Cruzes, SP, Brazil
- East River Electric Power Coop.
- Iberdrola Electropaz, La Paz, Bolivia
- Kalpataru Power Transmission Ltd., India

Upgrading from Line Constants Program

ASPEN will continue to market the *Line Constants Program* as the tool of choice for users who needs just a calculator for line and cable parameters.

Existing *Line Constants Program* (LC) users who need the database features can upgrade to the *Line Database Desktop* or *Line Database Enterprise* by paying the difference in price:

- $1,200 to upgrade from 1 LC to 1 Desktop Version
- $7,700 to upgrade from 1 LC to Enterprise Version
- $5,600 to upgrade from 2 LC to Enterprise Version
- $1,400 to upgrade from LC site license to Enterprise Version

Please write to info@aspeninc.com for a formal quotation.