



OVERHEAD LINE MANAGEMENT & AVIAN/ANIMAL PROTECTION WORKSHOP

November 9-10, 2011 Atlanta, Georgia USA

WORKSHOP SCOPE:

The Workshop – *presented for utility companies only* -- will focus on current issues related to overhead line inspection, assessment, joint use and restoration through discussion and demonstration of tools and methods by which to enhance inspection and maintenance programs including: facilities mapping, methods for quantifying and tracking component conditions, and wood pole treatments.

Information will be presented on laws protecting birds of prey from electrocutions and measures used to effectively mitigate animal electrical contacts. Information will also be presented on the effectiveness of various retrofitting products and approaches. Common misapplications will also be addressed. Methods to develop an Avian Protection Plan also will be covered.

ACCOMMODATIONS AND TRAVEL INFORMATION:

Sleeping rooms are reserved for workshop participants at the Courtyard Atlanta Airport West at special discounted rates (\$119.00/single or double). Contact the hotel directly for reservations (1-404-344-4414) and notify the hotel reservation representative that you will be attending the **EDM Workshop**. Hotel reservations must be received by **October 20, 2011**. Please provide the hotel with a credit card number to guarantee your reservation.

Courtyard Atlanta Airport West

3400 Creek Pointe Drive East Point, GA 30344 USA
Phone: 1-404-344-4414 Fax: 1-404-344-4417 Website: www.marriott.com/atlcw

The Courtyard Atlanta Airport West is a ten-minute drive from Atlanta International Airport. There is a complimentary shuttle to/from the hotel as well as complimentary shuttle service within a five-mile radius of the hotel. It is located near shops, restaurants, etc. Amenities for workshop guests include complimentary wi-fi service in rooms and in the meeting room and free on-site parking. The hotel is minutes from Atlanta's finest attractions, including Georgia Soccer Park, CNN studios, Underground Atlanta, the World of Coca-Cola, the Atlanta Botanical Garden and the downtown district.

- Please register me for the "Overhead Line Management & Avian Protection Workshop" (November 9-10, 2011). I have enclosed a check or money order payable to EDM International, Inc. for \$350.00. Three or more reservations from the same utility (submitted together) will be discounted to \$300.00 each. (Confirmation of paid registration will be sent VIA EMAIL).

Name: _____ Title: _____
Utility Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Email: _____
Fax: _____

Note: If you need to pay by credit card, please contact EDM at 970.204.4001 and we will take your information over the phone. Mail or fax to: EDM International, Inc. 4001 Automation Way, Fort Collins, CO 80525-3479 Fax: 970/204-4007





OVERHEAD LINE MANAGEMENT & AVIAN PROTECTION WORKSHOP

November 9-10, 2011

Atlanta, Georgia USA

Wednesday - November 9, 2011 – 7:30 a.m. – 4:45 p.m.

7:30 a.m. - 8:00 a.m. **Workshop Registration**

8:00 a.m. - 9:00 a.m. **Introductions and Preview – “What Drives Utility Management & Maintenance Today?”**

Rob Nelson, EDM International, Inc., Jimmy McDougald, INTEC Services, Inc.

Utilities are faced with several challenges regarding the management of their overhead line assets. The session will kick-off the workshop presenting some of the challenges and obtain input from participants on issues they would like discussed.

9:00 a.m. - 10:15 a.m. **Tools and Methods for Quantifying and Tracking Component Condition**

Rob Nelson, EDM International, Inc.

Review of tools and techniques that can enhance the data obtained during the inspection process. The ability to define the condition of wood and steel structure components and report quantitative data is critical in an overhead line management program.

10:15 a.m. - 10:35 a.m. **BREAK**

10:35 a.m. - 11:45 a.m. **New and Remedial Wood Pole Treatments**

Andy Kudick, INTEC Services, Inc.

Discuss wood pole properties as they relate to effective new pole and in-service (remedial) pole treatments. Discuss wood destroyers, field inspection methods and remedial treatment process to ensure extended service life.

11:45 a.m. - 1:00 p.m. **LUNCH (provided)**

1:00 p.m. - 2:15 p.m. **Structural Restoration Systems**

Rob Nelson, EDM International, Inc., Andy Kudick, INTEC Services, Inc.

Discussion of commercially available ground level and above ground level restoration systems; includes presentation of product attributes and limitations.

2:15 p.m. - 3:15 p.m. **Laws Protecting Birds of Prey**

Rick Harness, EDM International, Inc.

Birds and their nests are protected by various federal laws. This presentation will cover the legal responsibilities regarding encountering birds and their nests. This presentation is designed to lay the foundation for the following presentation on developing a defensible Avian Protection Plan.

3:15 p.m. - 3:30 p.m. **BREAK**

3:30 p.m. - 4:15 p.m. **How to Effectively Retrofit Poles**

Rick Harness, EDM International, Inc.

This presentation will provide in-depth measures to construct and retrofit poles to prevent bird and animal electrocutions and bird collisions. Examples of misapplications will also be covered along with material properties.

4:15 p.m. - 5:00 p.m. **Discussion – Asset Management**

This open discussion among presenters and utility attendees will cover challenges in the industry and possible solutions being investigated and incorporated.

SEATING IS LIMITED!! ALL REGISTRATIONS RECEIVED AFTER WORKSHOP IS FULL WILL BE FULLY REFUNDED.

CALL, FAX OR MAIL YOUR REGISTRATION TODAY!!

REGISTRATION INCLUDES: Attendance at 1-1/2 workshop, workshop materials, lunch and breaks.



EDM INTERNATIONAL, INC.

Product Division of EDM International, Inc.



Thursday, November 10, 2011 – 8:00 a.m. – 12:15 p.m. (optional lunch and demo session until 3:00 p.m.)

- 8:00 a.m. - 9:15 a.m. Developing Avian Protection Plans**
Rick Harness, EDM International, Inc.
EDM has developed Avian Protection Plans (APPs) for over 60 utilities to identify utility responsibilities under the Migratory Bird Treaty and Eagle Acts. The APPs include measures to identify and mitigate bird electrocutions and collisions. Power line nesting issues are also addressed.
- 9:15 a.m. - 10:00 a.m. Asset Management of Overhead Lines from an Engineering Perspective – PART I**
Mark Miller, EDM International, Inc.
This session will focus on Section 214 of the NESC code surrounding an existing facility. Background information on the NESC Code will be presented along with discussions on managing assets with limited funds by consistent timely inspections. Structure loading and electrical clearances will be addressed as well as safety issues. Discussions will also relate to joint-use attachments and how to evaluate the impact that third-party attachments have on the structure.
- 10:00 a.m. - 10:15 a.m. BREAK**
- 10:15 a.m. - 11:00 a.m. Asset Management of Overhead Lines from an Engineering Perspective – PART II**
Mark Miller, EDM International, Inc.
- 11:00 a.m. - 12:15 p.m. Inspection and Maintenance Data Collection and Reporting Techniques and Use of Computers for Collecting, Managing and Reporting Inspection and Maintenance Information**
Mike Abbey, EDM International, Inc.
This session will provide an overview of important considerations related to data collection and reporting including use of standardized terminology, component condition rating and assignment of maintenance priorities. Discussion and demonstration of how the use of field computers can enhance the collection and management of inspection and maintenance information.
- 12:30 p.m. - 3:00 p.m. Lunch Provided along with Discussion & Demonstration of Inspection and Management Technologies**
Led by Sam Jack, EDM and Mike Abbey, EDM
OPTIONAL SESSION: This session is for those wishing to stay for lunch and an open discussion and demonstration of various products (PhaseTrakker AP30, ConductaClean and Sagometer, GeoPatrol, Automated Line Patrol System - ALPS).

WORKSHOP PRESENTERS:

Mike Abbey's work at EDM focuses primarily on the design, development and implementation of the inspection and maintenance data collection functionality and processes and includes electronic collection and reporting various levels of field inspection information, from inventory-type information to component conditions to material request lists for recommended repairs.

Rick Harness, Certified Wildlife Biologist at EDM, works extensively with wildlife-utility interactions including power line electrocutions and bird collisions. He has completed over 60 Avian Protection Plans from Alaska to Florida.

Sam Jack, EDM's Product Sales and Marketing Manager works with utilities to implement solutions geared toward effectively managing and maintaining their facilities and assets through the use of innovative and state-of-the-art tools and technologies.

Andy Kudick, as Operations Manager of INTEC Services, provides in-service pole inspection services which have set new standards for accuracy and cost effectiveness by using an inspection strategy with three critical components -- inspection and retreatment techniques, advanced nondestructive testing methods and computerized data collection and reporting.

Jimmy McDougald, Project Manager with INTEC Services Inc., represents the southeastern U.S. Jimmy has over 34 years of experience in management of in-service utility facilities, both as a representative of various utilities as well as working as a consultant. Jimmy is also very experienced in facility patrols, both from helicopter as well as from the ground.

Rob Nelson serves as Project Director at EDM on projects involving asset management programs for overhead lines; he is actively involved in the development of electric utility Pole Management Programs.

Mark Miller, EDM's Principal Engineer, works with utility clients in evaluating code compliance issues as it pertains to clearances, pole loadings, 3rd party-attachments and assisting utilities and communication companies in streamlining asset management programs for improved reliability, safety and budgeting processes.