



OVERHEAD LINE MANAGEMENT & AVIAN PROTECTION WORKSHOP

September 24-25, 2009 St. Louis, Missouri

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 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 Omni Majestic Hotel at special discounted rates (\$119.00/king or double). Contact the hotel directly for reservations (1-800-THE-OMNI) and notify the hotel reservation representative that you will be attending the **EDM Workshop**. Hotel reservations must be received by **September 15, 2009**. Please provide the hotel with a credit card number to guarantee your reservation.

Omni Majestic Hotel

1019 Pine Street ❖ St. Louis, Missouri 63101
Phone: 1-800-THE-OMNI or, locally: 314.436.2355, Fax: 314.436-0223

The Omni Majestic’s downtown location puts it close to numerous St. Louis attractions, major highways and the Mississippi River. The hotel is located 17 miles from Lambert-St. Louis International Airport. The hotel has discounted their valet charge to \$10.00 for overnight guests and \$5.00 for meeting-only attendees. For shuttle service to/from the hotel, contact Go Best Express (314.222.5300 or 877.785.4682). It is approximately \$30 for a roundtrip booking.

- Please register me for the “Overhead Line Management & Avian Protection Workshop” (September 24-25, 2009).
I have enclosed a check or money order payable to EDM International, Inc. for \$400.00.
(Confirmation of paid registration will be sent VIA EMAIL).

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

Note: EDM is not equipped to accept credit cards. If you require an invoice, please contact us with a purchase order number.
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

September 24-25, 2009

St. Louis, Missouri

September 24, 2009 – 7:30 a.m. – 4:10 p.m.

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

8:00 a.m. - 8:45 a.m. **Introductions and Preview**

8:45 a.m. - 10:00 a.m. **Laws Protecting Birds of Prey**

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.

10:00 a.m. - 10:15 a.m. **BREAK**

10:15 a.m. - 11:30 p.m. **Developing Avian Protection Plans**

Lori Nielsen, 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.

11:30 p.m. - 12:30 p.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.

12:30 p.m. - 1:30 p.m. **LUNCH (provided)**

1:30 p.m. - 2:30 p.m. **New and Remedial Wood Pole Treatments**

Andy Kudick, INTEC Services, Inc.

Brief description of wood properties as related to poles and original treatments. Discussion of traditional field inspection methods and evaluation processes, remedial treatment applications.

2:30 p.m. - 3:15 p.m. **Structural Restoration Systems**

Rob Nelson, EDM & Andy Kudick, INTEC

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

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

3:30 p.m. - 4:10 p.m. **Inspection and Maintenance Data Collection and Reporting Techniques**

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.

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.



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September 25, 2009 – 8:00 a.m. – 1:00 p.m.

8:00 a.m. - 8:40 p.m. How to Effectively Retrofit Poles

Rick Harness, EDM

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

8:40 p.m. - 9:15 p.m. - Raptors of the Midwest

Walter Crawford, World Bird Sanctuary

This presentation will address raptors which commonly use utility poles from which to perch and hunt.

9:15 a.m. - 10:45 a.m. Asset Management of Overhead Lines from an Engineering Perspective

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.

10:45 a.m. - 11:00 a.m. BREAK

11:00 a.m. - Noon Use of Computers for Collecting, Managing and Reporting Inspection and Maintenance Information

Mike Abbey, EDM

Discussion and demonstration of how the use of field computers can enhance the collection and management of inspection and maintenance information.

Noon - 1:00 p.m. Discussion & Demonstration of Inspection and Management Technologies

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.

Walter "Stormy" Crawford, World Bird Sanctuary, has been recognized for his leadership in ornithology and bird conservation. In 1992, the Conservation Federation of Missouri named him Conservationist of the Year for his work with endangered species of raptors in the Midwestern U.S.

Rick Harness, Certified Wildlife Biologist at EDM, works extensively with wildlife-utility interactions including power line electrocutions and bird collisions. He has completed over 50 Avian Protection Plans from Alaska to Florida.

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.

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.

Lori Nielsen, Senior Wildlife Biologist at EDM, specializes in environmental permitting and compliance and avian interaction with man-made structures, emphasizing issue resolution in coordination with the permit applicant, associated public land management agencies, and applicable regulatory agencies.

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.



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