Avian Power Line Interactions
Short Course Workshop

Hosted By:
Entergy

Agenda

Overview:
- Monday, April 1 – APLIC Short Course
- Tuesday, April 2 – APLIC Short Course, APLIC Open Business
- Wednesday, April 3 – Closed Business Meeting (Closed Business Meeting - APLIC members only)

Monday, April 1, 2019
APLIC Short Course

8:00 – 8:15 Welcome (Chuck Barlow, Vice-President of Environmental Policy, Entergy)
8:15 – 8:50 Introduction (Misti Sporer, Chair & Duke Energy & Eric Johnson, Vice-chair & Evergy)
8:50 – 9:20 Electrical Utility Regulatory Overview: Utility missions, structures, and compliance (Janelle Lemen, NRECA & Rick Loughery EEI)
9:20 – 10:00 Laws and Permits: An overview of laws protecting avian species and applicable permits (Toby Chu, Entergy & Misti Sporer)
10:00 – 10:15 BREAK
10:15 – 10:50 Electricity 101: An introduction to electrical systems (Entergy)
10:50 – 11:10 Birds 101: An overview of avian ecology (Eric Johnson)
11:10 – 12:15 Basics of Avian Electrocutions: An overview of factors influencing electrocution risk (Kara Donohue, Southern California Edison & Misti Sporer)
12:15 – 1:30 LUNCH
1:30 – 2:35  **Electrocution Solutions:** Avian-safe structure designs for new construction and retrofitting of poles and substations **(Kara Donohue & Misti Sporer)**

2:35 – 3:10 **Basics of Avian Collisions:** Causes of avian collisions with power lines and methods for collision reduction **(David Niebch, FPL & Eric Johnson)**

3:10 – 3:30 **BREAK**

3:30 – 4:30 **Collision Solutions:** **(David Niebch & Eric Johnson)**

4:30 – 5:00 **Last Minute Q&A, Conclusions, and Wrap-up for Day 1**

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**Tuesday, April 2, 2019**

**APLIC Short Course (continued) and Open Business meeting**

8:00 – 8:05  **Welcome** **(Misti Sporer)**

8:05 – 8:40  **Bird Nests on Utility Poles:** Species that nest on power poles, reliability impacts, and nest management **(Cristina Frank, Pepco & Amy Ruszala, First Energy)**

8:40 – 9:00  **Vegetation Management** **(Diana Leiker, Tri-State)**

9:00 – 10:05  **Avian/Reliability Risk Assessment** **(APLIC Instructors)**

10:05 – 10:20 **BREAK**

10:20 – 10:50  **Project Planning and Mitigation:** Minimizing avian impacts associated with new power line projects **(Nikki Heck, AltaLink & Michael Warwick, American Transmission Company)**

10:50 – 11:20  **Avian Protection Plan Guidelines:** History of cooperative Utility/agency efforts to reduce bird mortality and improve service reliability **(Cristina Frank & Eric Johnson)**

11:20 – 11:30  **Power Pole Modification Document/Eagle Compensatory Mitigation:** **(Mike Best, PG&E)**

11:30 – 12:00  **Eagle Framework Document:** Do you need a BGEPA Permit? **(Misti Sporer)**

12:00 – 12:10  **Q&A Discussion and Course Conclusion**
APLIC Open Business Meeting

1:10 – 2:50  Eagle Forum: Permit Analysis and Mitigation Options *(Eagle Panel)*
2:50 – 3:10  Break
3:40 – 4:10  Croatian Utility Challenges and Needs *(Marta Malenica)*
4:10 – 4:45  Federal Partner Updates: *(USFWS/BLM/USDA)*
4:45 – 5:00  Feedback Listening Session: APLIC Leadership wants to hear from you!

5:00 – 7:00  Entergy & APLIC Hosted Reception: *(Location)*