

**ELECTRIC SYSTEMS SHORT COURSE  
2002 COURSE SCHEDULE  
National Training Center  
Phoenix, Arizona  
Course Chair: Allan Ansell, Idaho Power Company**

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**February 11, 2002**

8:00 – 8:05 am	Introduction and Welcome <i>Chantel Jordan, Training Coordinator, National Training Center</i>
8:05 – 8:30 am	Introduction of Course Participants
8:30 – 8:45 am	Pre-test quiz for students
8:45 – 9:00am	Why We Are Here: Federal Agencies' Perspective <i>Ron Montagna, Washington Office of Lands &amp; Realty Group</i>
9:00 – 9:10 am	Why We Are Here: Utility Perspective <i>Allan Ansell, Idaho Power Company</i>
9:10 – 9:15 am	Break
9:15 – 9:40 am	Introduction to and Overview of the Electric Utility Industry, including changes currently underway in deregulation <i>Jack Byrom, Sierra Pacific</i>
9:40 – 9:50 am	Q & A
9:50 – 10:35 am	Introduction to Basic Electricity <i>Bill Twardy, Salt River Project</i>
10:35 – 10:45 am	Q & A
10:45 – 10:55 am	Break
10:55 – 11:50 am	Types of Electrical Power Generation <i>Gary Harper, Salt River Project</i>
11:50 – 12:00 pm	Q & A

12:00 – 1:00 pm	Lunch
1:00 - 1:50 pm	Planning <i>Duane Nelson, Sierra Pacific</i>
1:50 – 2:00 pm	Q & A
2:00 – 2:10 pm	Break
2:10 - 3:00 pm	Wildlife Protection - Birds of Prey Protection Techniques <i>Allan Ansell, Idaho Power Company</i>
3:00 – 3:10 pm	Q & A
3:10 – 3:20 pm	Break
3:20 – 4:20 pm	Transmission Line Requirements <i>Gary McWhorter, The Montana Power Company</i>
4:20 – 4:30 pm	Q&A
5:30 pm	Hospitality Suite

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## **February 12, 2002**

8:00 – 8:45 am	Overhead and Underground Distribution Systems <i>Perry Van Patten, Idaho Power Company</i>
8:45 – 8:55 am	Q&A
8:55 – 9:05 am	Break
9:05 – 10:15 am	Transmission Line Siting Considerations and Corridor Planning <i>Carl Barnett, PacifiCorp</i>
10:15 – 10:25 am	Q&A
10:25 – 11:30 pm	Research on Electric and Magnetic Field Effects, Transmission and Distribution Lines

*Kent Jaffa, PacifiCorp*

- 11:30 – 11:45 am Q & A
- 11:45 – 12:00 pm Field Trip Orientation  
*Bob Trzepakowski, Salt River Project*
- 12:00 – 1:00 pm Lunch
- 1:00 - 1:45 pm GIS and the Utility Industry  
*Steve Sherer, Bonneville Power Administration*
- 1:45 – 2:00 pm Q&A
- 2:00 – 3:10 pm Cultural Resources  
*Connie Stone, Bureau of Land Management*
- 3:10 – 3:25 pm Q & A
- 3:25 – 3:35 pm Break
- 3:35 – 4:30 pm Rights-of-Way Vegetation Maintenance & Rehabilitation  
*Scott Bernhardt or Bud Andersen, The Montana Power Company*
- 4:30 – 4:45 pm Q & A

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**February 13, 2002**

- 6:45 am Meet in hotel lobby
- 7:00 am Depart on the Field Trip  
*(Promptly)*
- 7:30 - 4:00 pm Field Trip and Facility Tour

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## February 14, 2002

- 8:00 - 9:15 am      Federal Rights-of-Way Regulations  
Bil Weigand, BLM and Randy Karstaedt, Forest Service
- 9:15 - 9:30 am      Q & A
- 9:30 - 9:40 am      Break
- 9:40 - 11:15 am     Case Study: New Transmission Line Construction in Idaho  
*Darel Tracy, Idaho Power Company and Effie Schultsmeier, BLM Idaho*
- 11:15 - 11:30 am    Q & A
- 11:30 - 11:50 am    Interaction of FERC and Resource Agencies in Regulating Electric Utilities  
*Alan Mitchnick, FERC*
- 11:55 - 1:00 pm     Lunch
- 1:00 - 2:30 pm      Federal Interagency Panel  
*Moderated by Jack Byrom, Sierra Pacific*  
**Panel Participants:** Bil Weigand, BLM, Randy Karstaedt, Forest Service,  
Bob Hiller, US FWS, and Alan Mitchnick, FERC
- 2:30 - 2:40 pm      Break
- 2:40 - 5:00 pm      Practical Exercise  
*Pat Reardon, The Montana Power Company*
- 5:30 pm              Hospitality Suite

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## **February 15, 2002**

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| 8:00 – 10:00 am  | Continue Practical Exercise - Work Groups  |
| 10:00 – 11:00 am | Conclusion of Practical Exercise<br>Presentation of Route to Planning Commission |
| 11:00 – 11:20 am | Course Evaluation and Post-testing of students                                   |
| 11:20 – 11:30 am | Closing Remarks  |
| 11:30 am         | Adjourn  |