

Request for Intervenor Funds

Instructions: Provide all applicable information by filling in the text boxes as indicated.
If necessary, attach additional information in a separate document.

This request is to be submitted either electronically (preferred) or by regular mail.

To submit this request electronically, save your changes and attach it to an e-mail sent to:
secretary@dps.ny.gov

To submit this request by regular mail, print it and mail it to:

Secretary,
NYS Board on Electric Generation
Siting and the Environment
3 Empire State Plaza
Albany, NY 12223

Copies must also be submitted to the Presiding Examiner and other parties to the proceeding.

TO THE SECRETARY:

I hereby provide a request for intervenor funds in the following Article 10 case before the NYS Board on Electric Generation Siting and the Environment:

Case Number:

Title of Case:

Name of Party:

Contact Person:

Firm Name:

Contact Address:

Contact Telephone Number:

Contact E-mail Address:

Amount of Funds Requested:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

The basis of eligibility for intervenor funds is as follows: (Check one)

Eligible Municipal Party [County, city, town or village located in New York State that may be affected by the proposed major electric generating facility]

Eligible Individual Local Party [Person residing in a community who may be individually affected by the proposed major electric generating facility]

Eligible Group Local Party [Persons residing in a community who may be collectively affected by the proposed major electric generating facility]

1(a) Provide a statement of the number of persons the requesting party represents:

1(b) Provide a statement of the nature of the interests the requesting party represents:

2(a) Provide a statement of the efforts that have been made to obtain funds from other sources:

2(b) Provide a statement of the availability of funds from the resources of the requesting party:

2(c) Provide a statement of the availability of funds from the resources of sources other than the requesting party:

3(a) Indicate the type of funds being sought: (Check one)

Pre-Application Stage Funds [Generally available upon the filing by the Project Applicant of a Preliminary Scoping Statement (PSS)]

Application Stage Funds [Generally available upon the filing by the Project Applicant of an Article 10 Application]

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

3(b) State the amount of funds being sought:

4(a) If expert witnesses, consultants, attorneys, or others are to be employed, provide to the extent possible, the name and qualifications of each person to be employed:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

- 4(b) If expert witnesses, consultants, attorneys, or others are to be employed and it is not possible to provide the name of each person to be employed, provide for each person that cannot be named a statement of the necessary professional qualifications for the person:

- 5 Provide, if known, the name of any other interested person or entity who may, or is intending to, employ any such expert witnesses, consultants, attorneys, or others:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

6(a) For all expert witnesses, consultants, attorneys, or others to be employed, provide a detailed statement of the services to be provided:

6(b) For all expert witnesses, consultants, attorneys, or others to be employed, provide a detailed basis for the fees requested, including hourly fee, wage rate, and expenses:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

- 6(c) For all expert witnesses, consultants, attorneys, or others to be employed during the Pre-Application Stage, provide a detailed statement specifying how such services and expenses will make an effective contribution to review of the Preliminary Scoping Statement and the development of an adequate scope of appropriate studies for the application to be submitted and thereby provide early and effective public involvement:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

- 6(d) For all expert witnesses, consultants, attorneys, or others to be employed during the Application Stage, provide a detailed statement specifying how such services and expenses will contribute to the compilation of a complete record as to the appropriateness of the site and facility and will facilitate broad participation in the proceeding.

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

7(a) For any study to be performed, a description of the purpose of the study:

7(b) For any study to be performed, a description of the methodology and a statement of the rationale supporting the methodology:

7(c) For any study to be performed pursuant to any proposed methodology that is new or original, explaining why pre-existing methodologies are insufficient or inappropriate:

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

- 7(d) For any study to be performed, provide a description of the timing for completion of the study and a statement of the rationale supporting the timing proposed:
- 8(a) For any study to be performed, a statement as to the result of any effort made to encourage the applicant to perform the proposed studies or evaluations and the reason it is believed that an independent study is necessary:
- 9 For all expert witnesses, consultants, attorneys, or others to be employed, provide a copy of any contract or agreement or proposed contract or agreement with each such expert witness, consultant, attorney, or other person.

IF NECESSARY, ATTACH ADDITIONAL INFORMATION IN A SEPARATE DOCUMENT.

- 10 Provide a statement of any additional justification for the funding request not already addressed above:

Tricia Miller

*Executive Director
Research Wildlife Biologist
Conservation Science Global, Inc.
303 West Drive
West Cape May, NJ 08204
724.216.3770
trish.miller@consciglobal.org*

Education

The Pennsylvania State University
Ph.D., Ecology

The Pennsylvania State University
M.Sc., Ecology

University of Nevada, Las Vegas
B.S., Biology

Selected Experience

Executive Director & Research Wildlife Biologist
Conservation Science Global, Inc.

Adjunct Faculty
West Virginia University

Wildlife Biologist
West Virginia University

Adjunct Faculty
Western Illinois University

Adjunct Faculty
St Vincent College, Department of Environmental Science

Research Assistant
The Pennsylvania State University & National Aviary

GIS Lab Manager
Carnegie Museum of Natural History, Powdermill Nature Reserve

GIS Technician and Data Manager
2nd Pennsylvania Breeding Bird Atlas

GIS Technician
Penn State Cooperative Wetlands Center

Sep 2017 - present
West Cape May, NJ

Jan 2017 – present
Morgantown, WV

April 2011 – Sep 2017
Morgantown, WV

May 2015– present
Macomb, IL

Jan 2011 – Jan 2014
Latrobe, PA

Sep 2007 – April 2011
University Park & Pittsburgh, PA

May 2006 – April 2011
Rector, PA

Dec 2004 – May 2006
Rector, PA

Sept 2003 – Dec 2004
University Park, PA

Other Experience

Field Biologist	<i>Powdermill Nature Reserve</i>	<i>Rector, PA</i>	<i>Apr– Aug 2004</i>
GWWA Surveyor	<i>Golden-winged Warbler Atlas Project</i>	<i>Central PA</i>	<i>May - June 2002</i>
Breeding Bird Surveyor	<i>Pennsylvania Audubon Society</i>	<i>Sproul State Forest, PA</i>	<i>May – June 2001</i>
Peregrine Falcon Nest Surveyor	<i>Colorado Division of Wildlife</i>	<i>Ft. Collins, CO</i>	<i>Apr – July 2000</i>
Bald Eagle Nest Watcher	<i>Arizona Bald Eagle Nest Watch Program</i>	<i>Ft McDowell, AZ</i>	<i>Feb – June 1999</i>
Nest Searcher	<i>Sustainable Ecosystems Institute</i>	<i>McCall, ID</i>	<i>May – Aug 1998</i>
Hawk Bander & Counter	<i>HawkWatch International</i>	<i>Western USA</i>	<i>1997 - 1998</i>
Shrike Surveyor	<i>Endangered Species Recovery Council</i>	<i>San Clemente Island, CA</i>	<i>Nov – Dec 1997</i>
Target Netter/Bander	<i>University of Montana</i>	<i>Mogollon Rim, AZ</i>	<i>May - July 1997</i>
Hawk Counter	<i>Florida Keys Hawk Migration</i>	<i>Grassy Key, FL</i>	<i>Sep - Nov 1996</i>
Bird Bander	<i>Institute for Bird Populations</i>	<i>Ft. Leonardwood, MO</i>	<i>Apr - Aug 1996</i>

Skills

- Modeling: resource selection, mark-recapture, home range, mixed models
- GIS: Spatial analysis, cartography, geodatabases
- Telemetry: attachment, database creation and management, data analysis
- Computer Program Proficiency: ArcView 3.2, ArcGIS 9.0 & above, R, MS Access, MS Office Suite
- Federally permitted to capture, band, telemeter, and obtain blood samples from birds of prey, including eagles

Awards

Wings Across the Americas – Research, Management & Partnership Award – for Eastern Golden Eagle Working Group. 2013

Best Student Presentation Award. 2011. Raptor Research Foundation Annual Meeting

2011 Pennsylvania Society for Ornithology Conservation Award with Todd Katzner, Michael Lanzone & David Brandes

Organizations

Chairman of the Board – Conservation Science Global, Inc. – 2016 - present

Participating Member – Eastern Golden Eagle Working Group – 2010 – present

Participating Member – ProjectSNOWstorm – 2013 - present

Board Member – Somerset County Conservancy – 2012 - present

Board Member – West Cape May Environmental Commission – 2016 - present

Member – Raptor Research Foundation – 2012 - present

Scientific Reviewing

Animal Conservation

Ornithologia Neotropica

Journal of Raptor Research

Nature Conservation

Condor

Journal of Field Ornithology

Biological Conservation

Landscape & Urban Planning

Thesis & Dissertation

Miller, T.A. 2012. Movement Ecology of Golden Eagles in Eastern North America. Dissertation. Intercollege Graduate Degree Program in Ecology. The Pennsylvania State University. University Park, PA.

Miller, T.A. 2007. Habitat Modeling, Validation and Creation Using 2nd Pennsylvania Breeding Bird Atlas Data. Master's Thesis. Intergraduate Degree Program in Ecology. The Pennsylvania State University. University Park, PA.

Peer-Reviewed Publications

30. **Miller, T.A.**, J. Cooper, A.E. Duerr, M.E. Braham, J.T. Anderson, and T.E. Katzner. Movements of Bald Eagles during the first three years of life: implications for bird aircraft strike hazard. *Journal of Wildlife Management*. *Under review*.
29. Pirotta, E., T.E. Katzner, **T.A. Miller**, A.E. Duerr, M.A. Braham, and L. New. State-space modelling of the three-dimensional behavior of a soaring bird provides new insights to migratory flight. *Journal of Animal Ecology*. *Under review*.
28. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, J. Cooper, K. O'Malley, J. Wilhelm, A. Duerr, and T.E. Katzner. 2017. Summer and winter space use and home range characteristics of Golden Eagles (*Aquila chrysaetos*) in eastern North America. *Condor*. *In press*.
27. Wilhelm, J., S. Blackshire, **T.A. Miller**, M.J. Lanzone. Energy neutral data collection rate control for variable acquisition time sensors. *PLOS One*. *Under review*.

Peer-Reviewed Publications (Continued)

26. Poessel, S., J. Brandt, **T.A. Miller**, and T.E. Katzner. 2017. Meteorological determinants of flight response of an obligate- soaring bird, the California condor (*Gymnogyps californianus*). *Ibis. Online*. DOI:10.1111/ibi.12531
25. Ecke, F., N. Singh, J. Arnemo, A. Bignert, B. Helander, Å. Berglund, H. Borg, C. Brojer, K. Holm, M.J. Lanzone, **T.A. Miller**, Å. Nordström, J. Raikonen, I. Rodushkin, E. Ågren, B. Hörnfeldt. 2017. Sub-lethal lead exposure alters movement behavior in free-ranging Golden Eagles. *Environmental Science & Technology*. 51(10):5729-5736. DOI: 10.1021/acs.est.6b06024
24. Rus, A., A.E. Duerr, **T.A. Miller**, J. Belthoff, and T.E. Katzner. 2017. Counterintuitive roles of experience and weather on migratory performance. *The Auk*. 134:485-497. DOI:10.1642/AUK-16-147.1
23. Therrien, J.F., S. Weidensaul, D. Brinker, S. Huy, T. McDonald, M.J. Lanzone, **T.A. Miller**, A. McGann, D. Weber, D. Crocket, G. Jacobs, F. Nicoletti, N. Mackentley, C. Neri, M. Shieldcastle, and N. Lecomte. 2017. Winter use of a highly diverse suite of habitats by irruptive Snowy Owls. *Northeast Naturalist*. 24(sp7): B81-B89. DOI: 10.1656/045.024.s712
22. Fallon, J., P. Redig, **T.A. Miller**, M.J. Lanzone, and T.E. Katzner. 2017. Guidelines for evaluation and treatment of lead poisoning of wild raptors. *Wildlife Society Bulletin. Published online 14 May 2017*. DOI: 10.1002/wsb.762
21. Brown, J.L., B. Bedrosian, D.A. Bell, M.A. Braham, J. Cooper, R.H. Crandall, J. DiDonato, R. Domenech, A.E. Duerr, T.E. Katzner, M.J. Lanzone, D.W. LaPlante, C.L. McIntyre, **T.A. Miller**, R.K. Murphy, J.P. Smith, B.W. Smith, J.W. Watson, and B. Woodbridge. 2017. Patterns of spatial distribution of Golden Eagles across North America: how do they fit into existing landscape-scale mapping systems? *Journal of Raptor Research. In press*.
20. Katzner, T.E., E. Bragin, A. Bragin, M. McGrady, **T.A. Miller**, and K. Bildstein. 2016. Loop migration lengthens travel distance and exposes a central Asian, long distance, trans-equatorial migrant to multiple risky migration bottlenecks. *Bird Study*. 63(3): 406-412.
19. Katzner T.E., D. Nelson, M. Braham, J.M. Doyle, A.E. Duerr, P. Bloom, **T.A. Miller** and J.A. DeWoody. 2016. Golden eagle fatalities demonstrate continental-scale consequences of local-scale renewable energy generation. *Conservation Biology*. 31:406-415. DOI: 10.1111/cobi.12836.
18. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J.A. Tremblay, J. Wilhelm, A. Duerr, and T.E. Katzner. 2016. Limitations and mechanisms influencing migratory performance of soaring birds. *Ibis*. 158(1): 116-134. DOI: 10.1111/ibi.12331
17. **Miller T.A.** and M.J. Lanzone. Gregarious winter roosting and early morning perching behavior of American Kestrels (*Falco sparverius*) in the Imperial Valley, CA. 2015. *Journal of Raptor Research*. 49(4):526-528
16. Katzner, T.E., V. Bennet, **T.A. Miller**, A. Duerr, M. Braham, A. Hale. 2016. Wind energy development: methods for pre-construction risk assessment for birds and bats. *Human-Wildlife Interactions*. 10: 42 – 52.
15. Katzner, T.E., P. Turk, A. Duerr, **T.A. Miller**, M.J. Lanzone, J. Cooper, D. Brandes, J. Tremblay, and J. Lemaitre. 2015. Use of multiple modes of flight subsidy by a soaring terrestrial bird, the golden eagle (*Aquila chrysaetos*), when on migration. *Journal of the Royal Society Interface*. 12(112).
14. Braham, M., **T. Miller**, A.E. Duerr, M. Lanzone, A. Fesnock, L. LaPre, D. Driscoll & T. Katzner. 2015. Home in the heat: dramatic seasonal variation in home range of desert golden eagles informs management for renewable energy development. *Biological Conservation*. 186:225-232.
13. Duerr, A.E., **Miller, T.A.**, K.C. Duerr, M.J. Lanzone, A. Fesnock & T.E. Katzner. 2015. Landscape-scale distribution and density of raptor populations wintering in anthropogenic-dominated desert landscapes. *Biodiversity and Conservation*. 24(10); 2365-2381.

Peer-Reviewed Publications (Continued)

12. Nelson, D., M. Braham, **T.A. Miller**, A.E. Duerr, J. Cooper, M.J. Lanzone, T.E. Katzner. 2015. Stable hydrogen isotopes identify leapfrog migration, degree of connectivity and summer distribution of Golden Eagles in eastern North America. *The Condor*. 117(3):414-429.
11. Katzner, T.E., **T.A. Miller**, J. Rodgrigue, and S. Shaffer. 2015. A most dangerous game: death and injury to birds from porcupine quills. *Wilson Journal of Ornithology*. 127:102-108.
10. Duerr, A.E., **T.A. Miller**, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J.A. Tremblay, T.E. Katzner. 2015. Stereotyped flight response of slope-soaring birds to seasonal variation in thermal generation. *Ecological Applications*. doi: 10.1111/1365-2435.12381.
9. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J.A. Tremblay, A. Duerr, and T.K. Katzner. 2014. Assessing risk to birds from industrial wind energy development via paired resource selection models. *Conservation Biology*. 28(3):745-755.
8. Katzner, T.E., D. Brandes, **T.A. Miller**, M.J. Lanzone, C. Maisonneuve, J.A. Tremblay, R. Mulvihill, G. Merovich. 2012. Topography drives migratory flight altitude of golden eagles: implications for on-shore wind energy development. *Journal of Applied Ecology*. 49(5):1178-1186.
7. Lanzone, M.J., **T.A. Miller**, P. Turk, C. Halverson, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, R.P. Brooks, T.E. Katzner. 2012. Flight responses by a migratory soaring raptor to changing meteorological conditions. *Biology Letters*. 8(5):710-713.
6. Duerr, A.E., **T.A. Miller**, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J.A. Tremblay, T.E. Katzner. 2012. Testing an Emerging Paradigm in Migration Ecology Shows Surprising Differences in Efficiency between Flight Modes. *PLoS ONE* 7: e35548.
5. Katzner, T., B.W. Smith, **T. A. Miller**, D. Brandes, J. Cooper, M. Lanzone, D. Brauning, C. Farmer, S. Harding, D. Kramar, C. Koppie, C. Maisonneuve, M. Martell, E.K. Mojica, C. Todd, J.A. Tremblay, M. Wheeler, D.F. Brinker, T.E. Chubbs, R. Gubler, K. O'Malley, S. Mehus, B. Porter, R.P. Brooks, B.D. Watts & K.L. Bildstein. 2012. Status, biology and conservation priorities for North America's eastern Golden Eagle (*Aquila chrysaetos*) population. *The Auk*. 129(1): 168-176.
4. Bohrer, G., D. Brandes, J.T. Mandel, K.L. Bildstein, **T.A. Miller**, M. Lanzone, T. Katzner, C. Maisonneuve, and J.A. Tremblay. 2012. Estimating Updraft Velocity Components over Large Spatial Scales: Contrasting Migration Strategies of Golden Eagles and Turkey Vultures. *Ecology Letters*. 15(2): 96-103.
3. Iverson S.A., A. Gavrilov, T.E. Katzner, J.Y. Takekawa, **T.A. Miller**, W. Hagemeijer, T. Munfkr, B. Sivananthaperumal, C.C. DeMattos, L.S. Ahmed, and S.H. Newman. 2011. Migratory movements of waterfowl in Central Asia and H5N1 emergence: sporadic transmission of disease from east to west. *Ibis*. 153:279-292
2. **Miller, T.A.**, D. Brandes, M. J. Lanzone, D. Ombalski, C. Maisonneuve, and T.E. Katzner. 2010. Golden Eagle Migration and winter behavior in Pennsylvania. In *Avian Ecology and Conservation: A Pennsylvania Focus with National Implications*. Ed. S.K. Majumdar. Pennsylvania Academy of Science. Pennsylvania, USA.
1. Brandes, D., T.A. Miller, and T.E. Katzner. 2010. Emerging issues: Conservation challenges: Wind power mortality. In *Avian Ecology and Conservation: A Pennsylvania Focus with National Implications*. Ed. S.K. Majumdar. Pennsylvania Academy of Science. Pennsylvania, USA.

Conference Proceedings & Published Reports

6. Katzner, T., A. Duerr, **T. Miller**, M. Braham, J. Hall, D. Brandes, M. Lanzone & A. McGann. 2014. Movement Ecology of California Condors within the DRECP Area. Prepared for the California Department of Fish and Wildlife Cooperative Endangered Species Conservation Fund (Section 6) Grant # P1382015. 17 pp.
5. Katzner, T., A. Duerr, **T. Miller**, P. Turk, M. Braham, D. Brandes, M. Lanzone, P. Bloom, J.A. DeWoody & J. Doyle. 2014. Data collection and synthesis of current knowledge of golden eagles. Prepared for the California Department of Fish and Wildlife Cooperative Endangered Species Conservation Fund (Section 6) Grant #P1182024. 22 pp.

4. Katzner, T., P. Turk, A. Duerr, D. Brandes, **T. Miller**, M. Lanzone. 2012. Golden Eagle Home Range, Habitat Use, Demography and Renewable Energy Development in the California Desert – Interim Report to the Bureau of Land Management, California State Office.
3. Maisonneuve, C., **T. Miller**, J.A. Tremblay, T. Katzner, M. Lanzone and D. Brandes. 2011. Differential vulnerability of Bald and Golden Eagles to wind turbine collision on breeding grounds in Québec. Proceedings of the Conference on Wind energy and Wildlife impacts, 2-5 May 2011, Trondheim, Norway. Roel May and Kjetil Bevanger (eds). NINA Report 693.
2. Tremblay, J.A., C. Maisonneuve, T. Katzner, **T. Miller**, M. Lanzone and D. Brandes. 2011. A case study of the interaction between landscape configuration and habitat use at a wind facility by golden eagles (*Aquila chrysaetos*). Proceedings of the Conference on Wind energy and Wildlife impacts, 2-5 May 2011, Trondheim, Norway. Roel May and Kjetil Bevanger (eds). NINA Report 693.
1. Maisonneuve, C., **T. Miller**, M. Lanzone, T. Katzner. 2009. Studies on threatened species of birds of prey and wind farms in eastern North America. Birds of Prey and Wind Farms: Analysis of Problems and Possible Solution. Documentation of an international workshop in Berlin, 21st and 22nd October 2008.

Scientific Presentations & Sessions Organized

78. Schmuecker, S., D. Becker, M. Lanzone, B. Fogg, T. Katzner & **T. A. Miller**. 2016. Presence of bald eagles in upland landscapes of the upper Midwest during winter: implications for wind energy. Wind Wildlife Research Meeting XI. Broomfield, Colorado. Poster presentation.
77. **Symposium Chair**: Lead and raptors: exposure, treatment and management. 2016. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA.
76. **Miller, T.A.**, M. Braham, A.E. Duerr, J. Cooper, M.J. Lanzone, J.T. Anderson & T.E. Katzner. 2016. Juvenile Bald Eagle (*Haliaeetus leucocephalus*) movements in the Chesapeake Bay, Virginia, USA. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
75. **Miller, T.A.**, M.J. Lanzone, D. La Puma, D. Brinker, J.F. Therrien, & S. Weidensaul. 2016. Flight behavior of Snowy Owls (*Bubo scandiacus*) in North America. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
74. Blackshire, S. A. McGann, **T.A. Miller**, R. Fogg, and M.J. Lanzone. 2016. Identifying behaviors of eagles using activity thresholds. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
73. Lanzone, M.J., A. McGann, **T.A. Miller**, R. Fogg, and S. Blackshire. 2016. Quantifying Animal Behavior Using High Frequency GPS Sampling and Accelerometry Data. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
72. Fallon, J., P. Redig, **T.A. Miller**, M.J. Lanzone, and T.E. Katzner. Guidelines for evaluation and treatment of lead poisoning of wild raptors. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
71. Brown, J. L, C. L. McIntyre, B. Bedrosian, D. Bell, M. Braham, A. Duerr, **T. Miller**, T. Booms, J. Cooper, R. Crandall, R. Domenech, A. Shreading, J. Dunk, T. Katzner, M. Lanzone, D. LaPlante, S. Lewis, R. Murphy, S. Slater, B. Smith, J. Smith, J. Watson, B. Woodbridge. 2016. Continental-scale movements of Golden Eagles in western North America. Oral presentation, annual conference of the Raptor Research Foundation, Cape May, NJ, USA.
70. Duerr, A. E., M. Braham, **T. A. Miller**, J.T. Anderson, J. Cooper, & T.E. Katzner. 2016. Resting Site Selection by Golden Eagles (*Aquila chrysaetos*) Demonstrates Resource Use Driven by Flight Behavior. Annual Meeting of the Raptor Research Foundation. Cape May, NJ, USA. Oral presentation.
69. **Miller, T.A.**, M. Braham, A.E. Duerr, J. Cooper, M.J. Lanzone, & T.E. Katzner. 2015. In-flight winter habitat use and selection of Golden Eagles (*Aquila chrysaetos*) in eastern North America. Annual Meeting of the Raptor Research Foundation. Sacramento, CA. Oral presentation.
68. Duerr, A.E., **T.A. Miller**, K.L. Cornell-Duerr, M.J. Lanzone, A. Fesnock, & T.E. Katzner. 2015. Anthropogenic Influences to Landscape-Scale Distribution and Density of Wintering Raptors. Annual Meeting of the Raptor Research Foundation. Sacramento, CA. Oral presentation.

Scientific Presentations & Sessions Organized (continued)

67. Rus, A., **T.A. Miller**, A.E. Duerr, M. Braham, J. Lemaitre, D. Brandes, M. Lanzone, and T.E. Katzner. The role of experience and multiple meteorological factors in the migratory performance of Golden Eagles (*Aquila chrysaetos*). Annual Meeting of the Raptor Research Foundation. Sacramento, CA. Oral presentation.
66. McIntyre, C.L., C. L. McIntyre, B. Bedrosian, D. Bell, M. Braham, Brown, J. L, A. Duerr, **T. Miller**, T. Booms, J. Cooper, R. Crandall, R. Domenech, A. Shreading, J. Dunk, K. Heyden, T. Katzner, M. Lanzone, D. LaPlante, S. Lewis, R. Murphy, S. Slater, B. Smith, J. Smith, J. Watson, B. Woodbridge. 2015. Describing landscape-level movement patterns of Golden Eagles in North America using ARGOS and GPS tracking data. Annual Meeting of the Raptor Research Foundation. Sacramento, CA. Oral presentation.
65. Katzner, T. D.M. Nelson, M.A. Braham, J.M. Doyle, N. Fernandez, A.E. Duerr, P. Bloom, M.C. Fitzpatrick, **T.A. Miller**, and A. DeWoody. 2015. Origins of Golden Eagles Killed at Altamont Pass Wind Resource Area: Continental-Scale Environmental Consequences of Local-Scale Renewable Energy Development. Annual Meeting of the Raptor Research Foundation. Sacramento, CA. Oral presentation.
64. **Session Moderator**. 2015. Annual Meeting of the Raptor Research Foundation. Sacramento, CA.
63. **Scientific Committee**. 2015. Annual Meeting of the Raptor Research Foundation. Sacramento, CA.
62. **Miller, T.A.**, A. Duerr, J. Tremblay, C. Maisonneuve, J. Lemaitre, M. Lanzone & T. Katzner. 2014. Modeling risk from wind power to breeding and migrating golden eagles (*Aquila chrysaetos*) near the Gulf of St. Lawrence, Quebec, Canada. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.
61. Katzner, T., A. Duerr, **T. Miller**, M. Braham, D. Nelson, P. Bloom, J. Doyle & A. DeWoody. 2014. Origins of eagles killed at the Altamont Pass Wind Resource Area. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.
60. Nagy, L., C. Farmer, M. Braham, A. Duerr, A. Fesnock, T. Katzner, L. LaPre, **T. Miller** & E. Mix. 2014. Golden eagle point counts and telemetry data: a project-specific comparison. Wind Wildlife Research Meeting X. American Wind Wildlife Institute. Denver, CO.
59. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2014. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. Wind Energy & Raptors Workshop. Annual Meeting of the Raptor Research Foundation. Corpus Christi, TX. Invited oral presentation.
58. Braham, M., **T. Miller**, A. Duerr, M. Lanzone, A. Fesnock, L. LaPre, and T. Katzner. 2014. Correlates of variability in monthly home range of Mojave golden eagles (*Aquila chrysaetos*): Interpreting the scale of threat from renewable energy. Oral presentation. 2014 annual meeting, Raptor Research Foundation, Corpus Christi, TX September 24–28, 2014.
57. **Miller, T.A.**, J. Cooper, M.J. Lanzone, M. Braham, A.E. Duerr, & T.E. Katzner. 2014. Movements of juvenile bald eagles (*Haliaeetus leucocephalus*) near the Chesapeake Bay, Virginia: implications for bird aircraft strike hazard. Annual Meeting of the Raptor Research Foundation. Corpus Christi, TX. Oral presentation.
56. Duerr, A.E., **T.A. Miller**, M. Braham & T. Katzner. 2014. Flight behavior of desert golden eagles. Desert Tortoise Council, 39th Annual Meeting & Symposium. Ontario, CA. Oral presentation.
55. Katzner, T.E., A. Duerr, **T. Miller** & M. Braham. 2014. Movements of eagles in the California desert. Desert Tortoise Council, 39th Annual Meeting & Symposium. Ontario, CA. Oral presentation.
54. Weldy, M. **T. Miller**, S.R. Wood, M. Strager & T. Katzner. 2014. Using public data and satellite imagery to construct natural resource management databases: wind turbine installations in Nevada and California. The Western Section of The Wildlife Society 2014 Annual Meeting. Reno, NV. Poster presentation.
53. Katzner, T., D. Nelson, M. Braham, J. Doyle, P. Bloom, **T. Miller**, A. Duerr & A. DeWoody. 2014. Origins of eagles killed at the Altamont Pass Wind Resource Area. The Western Section of The Wildlife Society 2014 Annual Meeting. Reno, NV. Oral presentation.

Scientific Presentations & Sessions Organized (continued)

52. Braham, M., A. Duerr, **T. Miller**, M. Lanzone, D. Brandes & T. Katzner. 2014. Year-round home range of Mojave golden eagles: interpreting the scale of threat from renewable energy development. The Western Section of The Wildlife Society 2014 Annual Meeting. Reno, NV. Oral presentation.
51. **Miller T.A.** 2014. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Eastern Golden Eagle Working Group Meeting. Davis, WV.
50. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2013. Biotic and Abiotic Factors Influencing Directness of Migratory Flight Paths of Golden Eagles (*Aquila chrysaetos*) in Eastern North America are Scale Dependent. Worldwide Raptor Conference. Bariloche, Argentina. Oral presentation.
49. Lanzone, M.J., P. J. Turk, **T.A. Miller**, A. Duerr, D. Brandes, J. Cooper, J. Tremblay, C. Maisonneuve, and T. Katzner. 2013. Subsidized Lift in Migratory Flight of Golden Eagles (*Aquila chrysaetos*). Worldwide Raptor Conference. Bariloche, Argentina. Oral presentation.
48. Nelson, D.M., T. Katzner, **T.A. Miller**, A.E. Duerr, J. Cooper, M. Lanzone, M. Wheeler, and D. Brandes. 2013. Assessing the movements and diets of golden eagles in eastern North America using stable isotope and telemetry data. Ecological Society of America annual meeting- Minneapolis, MN.
47. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2013. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. Pennsylvania Wildlife Society Annual Meeting. State College, PA.
46. Katzner, T., P. Turk, A. Duerr, **T. Miller**, M. Lanzone, J. Cooper, D. Brandes, C. Maisonneuve & J. Tremblay. 2013. Subsidized lift in migratory flight of golden eagles. Wilson Ornithological Society Annual Meeting, Williamsburg, VA.
45. Duerr, A., **T. Miller**, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J. Tremblay & T. Katzner. 2013. Meteorological drivers of soaring migratory flight of golden eagles in eastern North America. Wilson Ornithological Society Annual Meeting, Williamsburg, VA.
44. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2013. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. Virginia Wildlife Society Annual Meeting. Smith Mountain Lake, VA.
43. Katzner, T.E., A.E. Duerr, **T.A. Miller**, M.J. Lanzone, D. Brandes & P. Turk. 2012. Monitoring Seasonal Movements and Ranging Behavior Of Golden Eagles in the Context of Energy Development. California-Nevada Golden Eagle Working Group Symposium: distribution, abundance, and population status of golden eagles in California and Nevada, Sacramento, CA.
42. Katzner, T.E., A.E. Duerr, D. Brandes, **T.A. Miller**, M.J. Lanzone, C. Maisonneuve, J.A. Tremblay, R. Mulvihill, G. Merovich, K. O'Malley, J. Cooper. 2012. Meteorological and topographic drivers of migratory flight of golden eagles: implications for wind energy development. Oral Presentation. National Wind Coordinating Collaborative Research Meeting. Denver, CO, USA.
41. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2012. Competing resource selection modeling predicts risk for preventing and mitigating impacts to flying birds from industrial wind energy developments. National Wind Coordinating Collaborative Research Meeting. Denver, CO, USA.
40. Duerr, Adam E., **T.A. Miller**, M.J. Lanzone, D. Brandes, J. Cooper, C. Maisonneuve, J. Tremblay, P. Turk, K. O'Malley, R.P. Brooks, T. Katzner. 2012. Golden eagles in eastern North America: Population status and habitat use relative to wind energy development. The Wildlife Society 19th Annual Conference. Portland OR. 17 October.
39. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2012. Age and season drive spatial use patterns and movements of a migratory avian predator. North American Ornithological Conference. Vancouver, BC.

Scientific Presentations & Sessions Organized (continued)

38. **Miller, T.**, R. Brooks, T. Katzner, M. Lanzone, C. Maisonneuve, J. Tremblay, J. Cooper & K. O'Malley. 2012. Seasonal and intraspecific drivers of movement ecology of a migratory avian predator. North American Ornithological Conference, Vancouver, BC, 14-18 August 2012.
37. Duerr, A.E., **T. Miller**, M. Lanzone, D. Brandes, J. Cooper, K. O'Malley, C. Maisonneuve, J. Tremblay & T. Katzner. 2012. Weather drives migratory flight behavior of golden eagles: implications for understanding wind-wildlife interactions and climate change effects on migratory behavior. North American Ornithological Conference, Vancouver, BC, 14-18 August 2012.
36. Katzner, T., D. Brandes, **T. Miller**, M. Lanzone, C. Maisonneuve, J. Tremblay, B. Mulvihill & G. Merovich. 2012. Topography drives migratory flight altitude of golden eagles: implications for wind energy development. North American Ornithological Conference, Vancouver, BC, 14-18 August 2012.
35. Tremblay, J. C. Maisonneuve, T. Katzner, **T. Miller**, M. Lanzone, D. Brandes. 2012. A case study of the interaction between landscape configuration and habitat use at a wind facility by golden eagles (*Aquila chrysaetos*). North American Ornithological Conference, Vancouver, BC, 14-18 August 2012.
34. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2012. Age and season drive spatial use patterns and movements of a migratory avian predator. Meeting of the Eastern Golden Eagle Working Group. Rimouski, QC.
33. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2012. Age and season drive spatial use patterns and movements of a migratory avian predator. Meeting of the Northeast Association of Fish and Wildlife Agencies. Charleston, WV.
32. Duerr, A.E., **T.A. Miller**, M. Lanzone, D. Brandes, K. O'Malley, C. Maisonneuve, J. Tremblay & T. Katzner. 2012. Flight speed during migration: is using slope soaring faster than gliding between thermals? Northeastern Association of Fish and Wildlife Agencies Annual Meeting, Charleston, WV.
31. Katzner, T.E, D. Brandes, **T.A. Miller**, M. Lanzone, C. Maisonneuve, J. Tremblay, R. Mulvihill & G. Merovich. 2012. Topography drives migratory flight altitude of golden eagles: implications for on-shore wind energy development. Northeastern Association of Fish and Wildlife Agencies Annual Meeting, Charleston, WV.
30. Katzner, T., B.W. Smith, **T. A. Miller**, D. Brandes, J. Cooper, M. Lanzone, D. Brauning, C. Farmer, S. Harding, D. Kramar, C. Koppie, C. Maisonneuve, M. Martell, E.K. Mojica, C. Todd, J.A. Tremblay, M. Wheeler, D.F. Brinker, T.E. Chubbs, R. Gubler, K. O'Malley, S. Mehus, B. Porter, R.P. Brooks, B.D. Watts & K.L. Bildstein. 2012. Status, biology and conservation priorities for North America's eastern Golden Eagle (*Aquila chrysaetos*) population. Northeastern Association of Fish and Wildlife Agencies Annual Meeting, Charleston, WV.
29. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2011. Striking a balance: Modeling migration of golden eagles (*Aquila chrysaetos*) through wind energy developments of the Central Appalachian Mountains, USA. Raptor Research Foundation Annual Meeting. Duluth, MN.
28. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2011. Characteristics of spring Golden Eagle (*Aquila chrysaetos*) migration through eastern North America as determined by telemetry. Raptor Research Foundation Annual Meeting. Duluth, MN.
27. Katzner, T., **T. Miller**, D. Brandes, J. Cooper, A. Duerr, M. Lanzone, C. Maisonneuve, J. Tremblay, R. Brooks, P. Turk & K. O'Malley. 2011. High frequency GPS telemetry to evaluate migration and habitat use of raptors relative to wind development. The Wildlife Society's 18th Annual Conference, Kona, Hawaii.

Scientific Presentations & Sessions Organized (continued)

26. Katzner, T., B.W. Smith, **T. A. Miller**, D. Brandes, J. Cooper, M. Lanzone, D. Brauning, C. Farmer, S. Harding, D. Kramar, C. Koppie, C. Maisonneuve, M. Martell, E.K. Mojica, C. Todd, J.A. Tremblay, M. Wheeler, D.F. Brinker, T.E. Chubbs, R. Gubler, K. O'Malley, S. Mehus, B. Porter, R.P. Brooks, B.D. Watts & K.L. Bildstein. 2011. Status, biology and conservation priorities for North America's eastern Golden Eagle (*Aquila chrysaetos*) population. Raptor Research Foundation 2011 Annual Meeting, Duluth, MN.
25. Maisonneuve, C., J. Tremblay, **T. Miller**, T. Katzner, M. Lanzone, D. Brandes. 2011. Variation in home range sizes of golden eagles (*Aquila chrysaetos canadensis*) breeding in Quebec. Raptor Research Foundation 2011 Annual Meeting, Duluth, MN.
24. Brandes, D., C. Maisonneuve, J. Tremblay, **T. Miller**, T. Katzner, & M. Lanzone. 2011. Influence of high-latitude warming on fall migration timing of eastern golden eagles (*Aquila chrysaetos*). Raptor Research Foundation 2011. Annual Meeting, Duluth, MN.
23. Cooper, J., **T. Miller**, T. Katzner, M. Lanzone, D. Kramar, K. O'Malley, C. Maisonneuve, & J. Tremblay. 2011. Winter ranging behavior of golden eagles (*Aquila chrysaetos*) in the central Appalachian Mountains. Raptor Research Foundation 2011 Annual Meeting, Duluth, MN.
22. Duerr, A., **T. Miller**, M. Lanzone, J. Cooper, P. Turk & T. Katzner. 2011. High frequency GPS-GSM telemetry to measure migration speed: do golden eagles migrate faster when using orographic or thermal lift? Raptor Research Foundation 2011 Annual Meeting, Duluth, MN.
21. Lanzone, M., C. Halverson, **T. Miller**, P. Turk, D. Brandes & T. Katzner. 2011. High-frequency GPS-GSM telemetry provides new insights into raptor behavior and ecology. Raptor Research Foundation 2011 Annual Meeting, Duluth, MN.
20. Katzner, T., **T. Miller**, M. Lanzone, D. Brandes, R. Brooks, J. Cooper, C. Maisonneuve, J. Tremblay, K. O'Malley. 2010. Golden Eagles and Wind Energy in Eastern North America. U.S. Fish and Wildlife Service, Northeast Region Biologists Conference, 15-18 Feb, Baltimore, MD.
19. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2011. Striking a balance: Modeling migration of golden eagles (*Aquila chrysaetos*) through wind energy developments of the Central Appalachian Mountains, USA. Spatial Ecology and Conservation Conference. Birmingham, UK.
18. **Miller, T.A.**, R.P. Brooks, M.J. Lanzone, D. Brandes, C. Maisonneuve, J.A. Tremblay, J. Cooper, K. O'Malley, A.E. Duerr, T.E. Katzner. 2011. Characteristics of spring Golden Eagle (*Aquila chrysaetos*) migration. Meeting of the Eastern Golden Eagle Working Group. Hawk Mountain Sanctuary, Kempton, PA.
17. Katzner, T., **T. Miller**, M. Lanzone, D. Brandes, R. Brooks, J. Cooper, C. Maisonneuve, J. Tremblay, K. O'Malley. 2010. Interactions between migratory birds of prey and wind turbines: insights from novel high frequency gps-gsm telemetry. NWCC Wind Wildlife Research Meeting, Denver, CO.
16. Tremblay, J., C. Maisonneuve. T. Katzner, **T. Miller**, M. Lanzone, & D. Brandes. 2010. A case study of the interaction between landscape configuration and visits of a wind facility by Golden Eagles (*Aquila chrysaetos*). NWCC Wind Wildlife Research Meeting, Denver, CO.
15. Maisonneuve, C., J. Tremblay, T. Katzner, **T. Miller**, M. Lanzone & D. Brandes. 2010. Influence of landscape configuration on wind facility frequentation by Golden eagles - A case study. Raptor Research Foundation Annual Meeting, Ft. Collins, CO.
14. Katzner, T., **T. Miller**, M. Lanzone, D. Brandes, & R. Brooks. 2010. Threats to migrating raptors from development of wind energy: Golden eagles as an umbrella species for conservation. Ecological Society of America, Annual Conference, Pittsburgh, PA.
13. Katzner, T., T. Anderson, **T. Miller** and M. Lanzone. 2010. High frequency gps-gsm telemetry for study of movement ecology of raptors. The 6th International Conference on Asian Raptors, ARRCN. Ulaanbaatar, Mongolia.

Scientific Presentations & Sessions Organized (continued)

12. Anderson, T., C. Halverson, T. Katzner, M. Lanzone and **T. Miller**. 2010. High frequency GPS-GSM Telemetry data to delineate flight strategies of migratory birds: an example with golden eagles. Bird Migration and Global Change: Second Conference. Algeciras, Spain.
11. **Miller, T.A.**, T.E. Katzner (presenter), M.J. Lanzone, C. Maissonneuve, A.L. Mack, R.P. Brooks., 2009. Flight behavior of migrating golden eagles in the eastern USA: Insights from high frequency telemetry. Oral presentation. Third Annual Meeting of the Eagle Conservation Alliance. Oropesa, Toledo, Spain
10. **Miller, T.A.**, D. Brandes, M.J. Lanzone, D. Ombalski, C. Maissonneuve, R. P. Brooks, and T.E. Katzner. 2009. Modeling Migratory Flight Characteristics of Eastern North American Golden Eagles (*Aquila chrysaetos*) Using High Frequency Telemetry Data. Oral Presentation. Annual meeting of the Raptor Research Foundation. Pitlochry, Scotland, UK.
9. Brandes, D., T. Katzner, **T.A. Miller** and M. Lanzone. 2009. Simulation of golden eagle (*Aquila chrysaetos*) migration pathways through the central Appalachians. Raptor Research Foundation 2009 Annual Conference, Pitlochry, Scotland.
8. **Miller, T.A.**, M.J. Lanzone, C. Maissonneuve, A.L. Mack, R.P. Brooks, T.E. Katzner. 2009. Multi-scale application of a common hydrological measure to migratory flight paths obtained from satellite and high-frequency GSM telemetry. Oral Presentation. Annual meeting of the American Ornithological Union. Philadelphia, PA.
7. **Miller, T.A.**, M.J. Lanzone, R.P. Brooks, T.E. Katzner. 2009. Flight characteristics of Golden Eagles (*Aquila chrysaetos*) migrating through eastern North America as determined by GPS telemetry. Annual Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists. Pittsburgh, PA.
6. **Miller, T.A.**, C. Maissonneuve and T.E. Katzner. 2008. Determining where, in eastern North America, there is the greatest potential for conflict between Golden Eagles and wind power development. Oral Presentation. Wind Wildlife Research Meeting VII. Milwaukee, WI.
5. Maissonneuve, C., **T.A. Miller**, M.J. Lanzone, and T.E. Katzner. 2008. Studies on threatened species of birds of prey and wind farms in eastern North America. Nature and Biodiversity Conservation Union. International Workshop on Birds of Prey and Wind Farms. Berlin, Germany.
4. **Miller, T.A.**, R. P. Brooks, D. Brandes, M. Lanzone, D. Ombalski, C. Maissonneuve, and T. Katzner. 2008. Roost site selection of Golden Eagles (*Aquila chrysaetos*) during migration through eastern North America. Poster. Annual meeting of the American Ornithological Union and the Copper Ornithological Society. Portland, OR.
3. Brauning, D. W., R.S. Mulvihill, **T. A. Miller**, D.R. Diefenbach, and G.L. Farnsworth. 2008. Adding Value to large scale bird atlases: Abundance estimation and bird habitat associations. Oral Presentation. Annual meeting of the American Ornithological Union and the Copper Ornithological Society. Portland, OR.
2. **Miller, T.A.**, D. Brandes, M. Lanzone, R. Mulvihill, R. P. Brooks, and T. Katzner. 2007. Flight characteristics of golden eagles (*Aquila chrysaetos*) migrating through eastern North America as determined by GPS telemetry. Oral Presentation. Annual meeting of the Raptor Research Foundation. Allentown, PA.
1. **Miller, T.A.**, W. Meshaka, and A. Mack. 2008. Long-term demography of the Eastern Box Turtle: What can 47 years of data from a protected site in southwest Pennsylvania tell us? Box Turtle Conservation Workshop. Laurel, MD.

Outreach – Public Presentations

31. **Miller, T.A.** 2015. Golden Eagles (*Aquila chrysaetos*) in eastern North America: Exploring movement & potential risk from wind power development. Presentation to Lewistown, PA residents. Lewistown, PA.
30. **Miller, T.A.** 2015. Golden Eagles in winter. Invited presentation. Pennsylvania Society for Ornithology, Annual Meeting, West Chester, PA.

Outreach – Public Presentations (continued)

29. **Miller, T.A.** 2014. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Juniata Valley Audubon Society. Annual Banquet. Keynote Speaker. Altoona, PA.
28. **Miller, T.A.** and M.J. Lanzone. 2014. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Lancaster Bird Club. Invited Speaker. Lancaster, PA.
27. **Miller, T.A.** 2014. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Atlantic Flyway Council Migratory Bird Meeting. 2014. Invited Speaker. Hershey, PA.
26. **Miller, T.A.** 2014. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Shaver's Creek Environmental Center. 2014. Invited Speaker. Barre, PA.
25. **Miller, T.A.** 2013. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Brooks Bird Club. Keynote speaker at Annual Outing. Thornwood, WV.
24. **Miller, T.A.** 2013. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Carlisle High School. Presentation to AP physical science class. Carlisle, PA.
23. **Miller, T.A.** and M.J. Lanzone. 2013. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Appalachian Audubon. Invited Speaker at Monthly Meeting. Harrisburg, PA.
22. **Miller, T.A.** 2013. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Foxburg Birding Festival. 2013. Keynote Speaker. Foxburg, PA.
21. **Miller, T.A.** 2013. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Pennsylvania Society for Ornithology Annual Meeting. Invited speaker. Wilkes Barre, PA.
20. **Miller, T.A.** and M.J. Lanzone. 2012. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Somerset County Conservancy. Keynote Speaker at Annual Banquet. Somerset, PA.
19. **Miller, T.A.** 2012. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. West Virginia Highland Conservancy. Keynote Speaker at Annual Meeting. Canaan Valley, WV.
18. **Miller, T.A.** and M.J. Lanzone. 2012. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Hawk Migration Association of North America. 2012. Invited Speaker at Annual Meeting. Greenwich, CT.
17. **Miller, T.A.** 2012. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Mayhem in the Mountains. Invited Speaker. Blackwater Falls State Park, Davis, WV.
16. **Miller, T.A.** 2012. Golden Eagles (*Aquila chrysaetos*) in Eastern North America: Exploring movement & potential risk from wind power development. Canaan Valley Birding Festival. Invited Speaker. Canaan Valley Resort, Davis, WV.
15. **Miller, T.A.**, 2012. Striking a balance: Modeling migration of golden eagles (*Aquila chrysaetos*) through wind energy developments of the Central Appalachian Mountains, USA. Penn State Geography Coffee Hour. Invited speaker. University Park, PA.
14. **Miller, T.A.** 2011. Eastern Golden Eagle Project. Pennsylvania Society for Ornithology. Annual Meeting. Keynote Speaker. Bedford, PA.

Outreach – Public Presentations (continued)

13. **Miller, T.A.**, 2011. Striking a balance: Modeling migration of golden eagles (*Aquila chrysaetos*) through wind energy developments of the Central Appalachian Mountains, USA. Virginia Society for Ornithology. Annual Meeting. Keynote Speaker. Monterey, VA.
12. **Miller, T.A.**, 2011. Striking a balance: Modeling migration of golden eagles (*Aquila chrysaetos*) through wind energy developments of the Central Appalachian Mountains, USA. SOAR Annual Meeting. Keynote Speaker. Schellsburg, PA.
11. **Miller, T.A.** 2011. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Woodbridge Preschool. Invited speaker. Rector, PA.
10. **Miller, T.A.** and M.J. Lanzone. 2010. Golden eagles in West Virginia. West Virginia DNR. Invited presentation. Elkins, WV.
9. **Miller, T.A.** 2010. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. St. Vincent College, Evolution and Ecology Lecture Series. Invited Speaker. Latrobe, PA.
8. **Miller, T.A.** 2010. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Bibee Nature Club. Invited Speaker. Pipestem, WV.
7. **Miller, T.A.** 2010. GIS at Powdermill Nature Reserve. Carnegie Museum of Natural History. Brown Bag Lunch Series. Invited Speaker. Pittsburgh, PA.
6. **Miller, T.A.** and M.J. Lanzone. 2009. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Carnegie Museum of Natural History, Powdermill Nature Reserve Sunday Lecture Series. 2010. Invited Speaker. Rector, PA.
5. **Miller, T.A.** 2009. Modeling migratory flight characteristics of Golden Eagles (*Aquila chrysaetos*) to avert potential conflicts with wind power development in the Appalachian flyway. Charles A. and Anne Morrow Lindbergh Foundation. Grant Awardee Speaker. Oshkosh, WI.
4. **Miller, T.A.** 2009. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Delaware Valley Eagle Festival. Invited speaker. Narrowsburg, NY.
3. **Miller, T.A.** 2008. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Mellon Elementary School Career Day. Speaker. Ligonier, PA.
2. **Miller, T.A.** 2008. Tracking Golden Eagles (*Aquila chrysaetos*) in eastern North America. Delaware Valley Eagle Festival. Invited speaker. Narrowsburg, NY.
1. **Miller, T.A.**, 2008. GIS at Powdermill Nature Reserve. Carnegie Museum of Natural History, Powdermill Nature Reserve Sunday Lecture Series. Invited Speaker. Rector, PA.

Grants and Research Funding

- Arconic Foundation.** 2017. Understanding movement ecology of juvenile Bald Eagles in the Upper Midwest to aid management of a recovering population. PI. **\$20,000.**
- ITC.** 2017b. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$15,000**
- American Eagle Foundation.** 2017. Winter movements of Upper Midwest Bald Eagles into upland areas: Consequences for wind energy development. PI. Co-Pi with Mike Lanzone and Todd Katzner. **\$19,215.**
- ITC.** 2017a. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$15,000**
- National Fish & Wildlife Foundation.** 2017. Assessing risk to Golden Eagles from wind turbine development: an adaptive management approach to building, validating, refining, and implementing risk models. Co-Pi with Todd Katzner, Adam Duerr, Maitreyi Sur, Sharon Poessel, M. Braham. **\$781,958.**
- ComEd.** 2016. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Drew Becker, Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$15,000.**

Grants and Research Funding (continued)

- Avian Powerline Interaction Committee.** 2016. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Drew Becker, Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$25,000.**
- ITC.** 2016. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Drew Becker, Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$15,000.**
- American Eagle Foundation.** 2016. Local and Migratory Movements of Upper Midwest Wintering Bald Eagles. PI. Co-Pi with Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$17,045.**
- Mid-American Energy.** 2015. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi Drew Becker, Sara Schmuecker, and Mike Lanzone. **\$50,000.**
- ALCOA Foundation.** 2015. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Jim Anderson, Drew Becker, Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$25,000.**
- American Wind-Wildlife Institute.** 2015. Understanding movement ecology of Bald Eagles in the Upper Midwest to aid management of a recovering population. Co-Pi with Drew Becker, Sara Schmuecker, Mike Lanzone and Todd Katzner. **\$25,000.**
- California Energy Commission.** 2015. Learning from real-world experience to understand renewable energy impacts to wildlife. Co-PI with Todd Katzner, David Nelson, Scott Loss, James Diffendorfer, Adam Duerr, Taber Alison, Julie Yee. **\$1,000,000.**
- American Eagle Foundation.** 2014. Local and Migratory Movements of Upper Midwest Wintering Bald Eagles. PI. 2014. **\$19,900.**
- US DoD – Office of Naval Research.** 2014. Bald eagle conservation and management at Marine Corps Base Quantico. **\$102,066.65.** Co-PI with Todd Katzner, Jim Anderson, Adam Duerr.
- US DoD.** 2014. Bald eagle conservation and management at Fort A.P. Hill. **\$142,352.** Co-PI with Todd Katzner and Adam Duerr.
- National Fish and Wildlife Foundation.** 2014. California condor flight response in a variable meteorological and topographic environment. Co-PI with Jonathan Hall, Tricia Miller, Adam Duerr, David Brandes, Melissa Braham and Michael Lanzone. **\$150,000.**
- California Department of Fish and Wildlife.** 2014. Movement ecology of California Condors within the DRECP area. **\$83,540.** Co-PI with Adam Duerr, Jonathan Hall, Melissa Braham, Philip Turk & Todd Katzner.
- American Eagle Foundation.** 2013. Local and Migratory Movements of Upper Midwest Wintering Bald Eagles. PI. 2013. **\$16,250.**
- US Bureau of Land Management – California State Office.** 2013. Golden eagle home range, habitat use, demography and renewable energy development in the California desert (Grant Modification). Co-PI with David Brandes, Adam Duerr, Philip Turk, Tricia Miller and Michael Lanzone. **\$34,000.**
- Virginia Department of Game and Inland Fisheries.** Distribution, differentiation and hybridization of king and clapper rails in eastern Virginia. Co-PI with Trish Miller, Adam Duerr, Jim Anderson, Amy Welsh, & Michael Lanzone. **\$419,368.**
- Virginia Department of Game and Inland Fisheries.** 2013. Assessing Lead Levels in Avian Scavengers in Virginia. Co-PI. **\$266,480.**
- Virginia Department of Game and Inland Fisheries.** 2013. Demography, Population Size, and Habitat use of Eastern Golden Eagles in Virginia. Co-PI. **\$256,046.**
- Virginia Department of Game and Inland Fisheries.** 2012. Bald eagle conservation and management Virginia. Co-PI. **\$295,000.**

Grants and Research Funding (continued)

- California Department of Fish and Game.** California DFG Golden Eagle Research. Co-PI. 2012. **\$252,500.**
- US Bureau of Land Management** – California State Office. 2012. Golden eagle demography: genetic approaches to population biology in the face of renewable energy development in the California desert. Co-PI with Andrew DeWoody, Jacqueline Doyle, Phil Turk, Adam Duerr, Tricia Miller, Michael Lanzone and David Brandes. **\$126,000.** (\$26,907 through WVU, \$99,093 through Purdue University).
- US Bureau of Land Management** – California State Office. 2012. Golden eagle home range, habitat use, demography and renewable energy development in the California desert (*Grant Modification*). Co-PI with David Brandes, Adam Duerr, Philip Turk, Tricia Miller and Michael Lanzone. **\$54,390.**
- US Bureau of Land Management.** 2012. Golden eagle home range, habitat use, demography and renewable energy development in the California Desert. (*Grant modification*). Co-PI. **\$54,390.**
- RES America.** 2012. Assessing Granite Wind for RES America. Co-PI. **\$41,440.**
- US Bureau of Land Management.** 2012. Golden eagle demography: Genetic approaches to population biology in the face of renewable energy developments in the California desert. Co-PI. **\$126,000.**
- Quebec Department of Wildlife and Natural Resources.** 2012. Trapping and telemetry of golden eagles during winter in Pennsylvania. Co-PI. **\$10,000.**
- US Bureau of Land Management.** 2011. Golden eagle home range, habitat use, demography and renewable energy development in the California desert. Co-PI. **\$319,835.**
- Virginia Department of Game and Inland Fisheries.** 2010. Winter ecology and conservation of golden eagles in Virginia. Co-PI. **\$104,300.**
- Transportation Research Board of the National Academies.** 2011. Pilot Test the Ecological Approaches to Environmental Protection Developed in Capacity Research Projects C06A and C06B. Co-PI with Jim Anderson, Walter Veselka, Michael Strager, Hodjat Ghadimi, Lian-Shin Lin, J. Todd Petty, Daniel Welsch, Todd Miller, Norse Angus, & Laura Conley-Reinhart 2011. **\$360,628.**
- US Department of Energy Grant.** 2010. Developing high-resolution spatial data of migration corridors for avian species of concern in regions of high potential wind development. Co-PI. **\$193,000.**
- EESI Environmental Scholars Fellowship.** Tuition and stipend support for 2009-2010 academic year. **\$29,677.**
- Lindbergh Foundation Grant.** 2009. “Migratory flight characteristics of Golden Eagles in eastern North America: Modeling the potential conflicts with wind power development in the Appalachian flyway. PI. **\$10,580.**
- Snee-Reinhardt Foundation.** 2009. Support for 2009 Operating Costs of Powdermill Nature Reserve’s GIS Lab. **\$12,500.**
- MIGRATE Avian Movement Course.** 2008. An International Course on Avian Movements funded by the National Science Foundation for the Migration Interest Group: Research Applied Toward Education. **\$1500.**
- Pennsylvania State Wildlife Grant Program.** 2008. Assessing conservation needs of eastern golden eagles in Pennsylvania. Co-PI. **\$70,000.**
- Allegheny Plateau Audubon Society.** 2008. GPS telemetry of golden eagles in Pennsylvania. Co-PI. **\$5,000.**
- Pennsylvania State Wildlife Grant Program.** 2007. Assessing conservation needs of eastern golden eagles in Pennsylvania. Co-PI. **\$25,000.**
- Quebec Department of Wildlife and Natural Resources.** 2008. Telemetry, home range, migration and management of birds of prey in the context of wind energy development. Co-PI. **\$23,250**
- Wild Resource Conservation Program.** 2008. Habitat Associations of Pennsylvania’s Bird Species of Greatest Conservation Concern: An Analysis of Spatially Explicit Breeding Bird Data Collected During the 2nd Pennsylvania Breeding Bird Atlas (2004-2008). Co-PI. **\$30,787**
- Richard King Mellon Foundation Grant.** 2006. Powdermill Sustainable Facilities Development Project (\$3,000,000) sub-grant in support of the GIS Program at Powdermill Nature Reserve. PI. **\$250,000.**

Grants and Research Funding (continued)

Wild Resource Conservation Program. 2005. Habitat modeling for the 2nd Pennsylvania Breeding Bird Atlas.
PI. **\$28,717.**

Graduate Research Support, The Pennsylvania State University. 2005. Habitat modeling for the 2nd
Pennsylvania Breeding Bird Atlas. **\$1,500**



Estimate

Date: 9/21/2017
INVOICE # 001
Expiration Date: 9/21/2018

Tom Salo
Delaware-Otsego Audubon Society

Qty	Detailed Description	Unit Price	Discount	Line Total
	Creation of a map showing GPS tracks of spring migrant Golden Eagles both within the proposed Bluestone Wind Project Area, and in an area extending beyond the project boundary 10 kilometers. Each track should be color coded to show the bird's elevation (within several elevation ranges). Dates, times, coordinates and flight elevation of each point on the map in an Excel spreadsheet document.	\$2250		\$2250
	Creation of a map showing GPS tracks of fall migrant Golden Eagles both within the proposed Bluestone Wind Project Area, and in an area extending beyond the project 10 kilometers. Each track should be color coded to show the bird's elevation. Dates, times, coordinates and flight elevation of each point on the map in an Excel spreadsheet document.	\$2250		\$2250
	Calculate the proportion of each season's tracked Golden Eagles that passed through New York State and display on above maps.	\$500		\$500
		Total Discount		
			Subtotal	\$5000
			Sales Tax	NA
			Total	\$5000

Quotation prepared by: Trish Miller, Ph.D., Executive Director and Senior Research Biologist

This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: _____

Thank you for your business!

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