

JOHN DUNHAM

Associate Environmental Scientist



John Dunham is an Associate Environmental Scientist at Burns & McDonnell. He is currently assisting in multiple projects involving transmission line routing and is also serving as project manager for multiple ongoing transmission line and substation siting projects. He has a background in fisheries and wildlife biology as well as public education.

Prior to joining Burns & McDonnell, John spent

12 years in public education, serving as a middle school science teacher and then as an assistant principal and summer school principal.

EDUCATION

- ▶ BS, Fisheries & Wildlife Biology
- ▶ MSE, Secondary School Administration

18 YEARS WITH BURNS & MCDONNELL

30 YEARS OF EXPERIENCE

Montgomery-Burns Transmission Line Project | Ameren Missouri | Ongoing

Project manager for a potential new, 30-mile 345kV transmission line to be constructed in Montgomery and Callaway Counties in Missouri.

KARE Project | Commonwealth Edison Company | Ongoing

Routing manager for a potential new, 6-mile 345kV transmission line to be constructed in DeKalb County, Illinois.

Grid Regional Infrastructure Transformation Project | Commonwealth Edison Company | Ongoing

Routing manager for a potential new 138kV underground transmission line to be constructed in portions of Cook and DuPage Counties, Illinois.

Windsor to New Ellenton 115-kV Transmission Line Project | Central Electric Power Cooperative, Inc. | Ongoing

Routing manager for up to 12 miles of 115-kV transmission line to be constructed from the Windsor Substation to the New Ellenton Substation in Aiken County, South Carolina.

Cass to Sarpy Transmission Line Project | Omaha Public Power District | 2024

Routing manager for up to 35 miles of 345-kV transmission line to be constructed from OPPD's Turtle Creek Substation in Sarpy County to the Cass County Substation in Cass County, Nebraska.

965 Circuit Relocation Project | Duke Energy | 2024

Project manager for up to 2 miles of 69-kV transmission line to be relocated within or around the Bill Cappel Sports Complex in Covington, Kentucky.

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Pajarito – Rio Puerco 345kV Transmission Project | Public Service Company of New Mexico | 2023

Routing manager for a potential new, 30 mile 345kV underground transmission line to be constructed in Bernalillo and Sandoval Counties, New Mexico.

Palomas Substation Project | Public Service Company of New Mexico | 2023

Routing manager for a potential new substation to be constructed in Bernalillo County, New Mexico.

Craggy-Enka 230kV Transmission Line Project | Duke Energy Progress | 2020

Project manager for a potential new 230kV transmission line to be constructed in Buncombe County, North Carolina.

White Oak Tie Lines Project | Duke Energy Progress | 2019

Routing manager for new tie lines to be constructed in Wake County, North Carolina.

Green Level West 230kV Substation Project | Duke Energy Progress | 2018

Project manager for a new 230-kV substation to be constructed in Wake County, North Carolina.

Porter's Neck 230kV Transmission Tap Line Siting Project | Duke Energy Progress | 2018

Project manager for up to 4 miles of 230-kV transmission line to be constructed in New Hanover and Pender counties, North Carolina.

Keer Fiber to Doby's Bridge 100kV Tap Project | Duke Energy Carolinas | 2018

Routing manager for up to 4 miles of 100-kV transmission line to be constructed in York and Lancaster counties, South Carolina.

DEP 5 Substations Project | Duke Energy Progress | 2018

Siting and mapping specialist for 40 DEP substation rebuild projects in various counties in North Carolina and South Carolina.

GRDA 3500 Main St. Project | Grand River Dam Authority | 2018

Routing manager for up to 5 miles of 345-kV and 161-kV transmission lines to be constructed from a tap location along Grand River Energy Center's GREC 3 to Tulsa North 345-kV transmission line to a proposed 345/161-kV substation, and then on to a proposed 161-kV substation to serve a confidential customer.

Sarpy Transmission Project | Omaha Public Power District | 2017

Routing manager for up to 6 miles of 161-kV transmission line to be constructed from OPPD's existing Substation 1260 to its existing Substation 1255 in Sarpy County, Nebraska.

Avon Industrial Park 138-kV Line Loop Project | Duke Energy Indiana | 2017

Project manager for up to 4 miles of 138-kV transmission line to be constructed within the city limits of Avon and Plainfield, Indiana.

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[Bloomington 69-kV Transmission Line Project | Duke Energy Indiana | 2017](#)

Project manager for up to 3 miles of 69-kV transmission line to be constructed within the City of Bloomington, Indiana.

[Rosedale Transmission Line Project | Kansas City Board of Public Utilities | 2017](#)

Principal investigator for up to approximately 2 miles of 161-kV transmission line in Wyandotte County, Kansas.

[Cleveland-Matthews Road 230-kV Transmission Tap Line Project | Duke Energy Progress | 2016](#)

Principal investigator for up to approximately 15 miles of 230-kV transmission line in Johnston and Wake counties, North Carolina.

[Powhatan Industrial 230-kV Transmission Tap Line Project | Duke Energy Progress | 2016](#)

Routing specialist and report author for an approximately 1.5-mile 230-kV transmission project in Johnston County, North Carolina.

[Raeford 230-kV Transmission Line Reliability Enhancement Project | Duke Energy Progress | 2016](#)

Routing specialist and report author for a 3-mile 230-kV transmission line in Hoke County, North Carolina.

[States Edge Transmission Project | Invenergy, LLC | 2016](#)

Principal investigator for a 97-mile 230-kV transmission line from a proposed windfarm location in the Oklahoma panhandle to an existing substation north of Amarillo, Texas.

[CMC Metals 138-kV Transmission Project | Oklahoma Gas and Electric | 2016](#)

Principal investigator for approximately 11 total miles of 138-kV transmission line in Bryan County, Oklahoma to connect two existing OG&E substations to a proposed micro mill site.

[OPPD Elk Creek Transmission Project | Omaha Public Power District | 2015](#)

Principal investigator for an approximately 20-mile 161-kV transmission project in Johnson and Nemaha Counties, Nebraska.

[Mills Gap Transmission Project | Duke Energy Progress | 2015](#)

Project Manager for a 1.7-mile 115-kV transmission line in Buncombe County, North Carolina.

[Asheville to Green Hill 230-kV Transmission Line Project | Duke Energy Carolinas | 2015](#)

Project manager for an approximately 30-mile 230-kV transmission project in North Carolina and South Carolina.

[Mark Twain Transmission Project | Ameren Transmission Company of Illinois | 2014](#)

Principal investigator for construction of a new 100-mile 345-kilovolt overhead transmission line from Palmyra, Missouri, to near Kirksville, Missouri, and on to the Iowa border.

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[Craggy to Enka 230-kilovolt \(kV\) Transmission Line Project | Duke Energy Progress | 2014](#)

Project manager for an approximately 7-mile 230-kV transmission project in Buncombe County, North Carolina.

[Sibley to Nebraska City 345-kV Transmission Project | Kansas City Power & Light and OPPD | 2012](#)

Principal investigator for an approximately 190-mile 345-kV transmission project in northwest Missouri and southeast Nebraska.

[Mathewson Substation Permitting Project | Oklahoma Gas and Electric | 2012](#)

Project manager for the permitting requirements prior to the construction of the Mathewson Substation in Kingfisher County, Oklahoma.

[Mathewson to Cimarron Transmission Project | Oklahoma Gas and Electric | 2012](#)

Project manager for a 6-mile transmission line project in Kingfisher and Canadian counties, Oklahoma.

[AVS-Neset 345-kilovolt \(kV\) Transmission Project | Basin Electric Power Cooperative | 2011](#)

Routing specialist for routing analysis and preparation of the environmental report in support of the National Environmental Policy Act for the construction of approximately 200 miles of 345-kV transmission line in northwestern North Dakota.

[Johnson Substation Project | Oklahoma Gas and Electric | 2011](#)

Project manager for a conditional use permitting project for the construction of a 161-kilovolt substation in Fort Smith, Arkansas.

[Sooner to Cleveland Transmission Project | Oklahoma Gas and Electric | 2010](#)

Assistant project manager for a 30-mile transmission project in northern Oklahoma.

[Iatan-Nashua 345-kilovolt \(kV\) Transmission Project | Kansas City Power & Light | 2010](#)

Principal investigator for route selection and public involvement services for KCP&L's approximately 35-mile 345-kV transmission project in northern Missouri.

[Lee Sub to Goldsboro Hemlock Transmission Project | Progress Energy Carolinas | 2010](#)

Principal investigator for a 3-mile transmission project in Goldsboro, North Carolina.

[Michigan Region 4 Thumb Loop Transmission Project | ITC | 2010](#)

Principal investigator for a 140-mile 345-kilovolt transmission project in the "thumb" of Michigan.

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Acadiana Load Pocket Improvement Project | Entergy Gulf States Louisiana | 2008

Principal investigator for a transmission line project near Lafayette, Louisiana.

Deer Creek Station Project | Basin Electric Power Cooperative | 2008

Routing specialist for a new 300-megawatt combined-cycle generating facility located near White, South Dakota.

Asheville to Enka Transmission Line | Progress Energy Carolinas | 2008

Routing specialist for a 115-kilovolt transmission line project in the Asheville, North Carolina, area.

Asheboro to Pleasant Garden Transmission Line | Progress Energy Carolinas | 2007

Routing scientist for a 230-kilovolt transmission line project between Asheboro and Pleasant Garden, North Carolina.

Threatened and Endangered Species Survey | National Retailer (Confidential) | 2007

Environmental scientist for a habitat and threatened and endangered species survey on a development site near Ahsokie, North Carolina.

Lateral Pipeline Construction Project | Northern Natural Gas Co. | 2007

Environmental scientist for a wetland delineation that was part of a natural gas pipeline project in Iowa.

Itasca County Railroad | Itasca County Regional Railroad Authority | 2007

Environmental scientist for an approximately 9-mile rail line in Itasca County, Minnesota.

Village of Skokie, Illinois, Wildlife Survey and Management Plan | Nicor Gas, Inc. | 2007

Environmental scientist for a wildlife habitat survey for Nicor Gas, Inc., to determine whitetail deer and coyote population estimates and develop a management plan addressing egress prior to construction on an 18-acre site in the suburban Chicago area.

Drainage Improvement District | City of Wichita | 2006

Environmental scientist for a wildlife habitat survey in two separate wetland areas in Wichita, Kansas.

Hugo Transmission Line | Western Farmers Electric Coop | 2006

Environmental scientist for a transmission line routing study for a transmission line project between Atoka and Hugo, Oklahoma.

Wyoming-Colorado Transmission Line Routing Project | Trans-Elect, Inc. | 2006

Routing scientist for a corridor study to determine feasible routes for a transmission line stretching from eastern Wyoming through eastern Colorado.

Wyoming Railroad Project | Dakota, Minnesota and Eastern Railroad | 2006

Environmental scientist who collected and sorted pertinent census data from 1990 and 2000 to determine population trends impacting the construction area of a railroad stretching from eastern Wyoming to Minnesota.

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KCP&L 316(b) Studies La Cygne | Kansas City Power & Light | 2006

Environmental scientist who collected and recorded data as part of an impingement study at La Cygne Lake in Kansas.

Master Resume Additional Information

Email Address: jdunham@burnsmcd.com

Full Education:

B.S. Fisheries & Wildlife Biology, University of Missouri-Columbia, 1993

M.S.E. Secondary School Administration, Central Missouri State University, 2001

Registrations/Certifications:

Professional Associations:

National Association of Environmental Professionals (NAEP)

Mid-America Association of Environmental Professionals (MAAEP)

Training:

See BMU transcript for all training

Awards:

Global Practice:

ENS

Office Location:

KCM

Years with Other Firms: 12

Burns & McDonnell Anniversary: 11/6/2006