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Andrea Thornton

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Andrea is a Consultant in Natural Resource Group, LLC's (NRG) Portland office. She has been working in the industry since 2007 and has experience in field survey coordination; agency consultation; preparation of geology, soils, and land use sections of environmental impact statements (EIS), environmental assessments (EA), and resource reports; soils data analysis; physical soils testing; and laboratory environmental safety inspections.

Selected Project Experience

- Spectra Energy, Atlantic Bridge Project, 2015 to Present, Approximately 18 miles or varying size natural gas pipeline and associated aboveground facilities in New York, Connecticut, and Massachusetts: Deputy Project Manager on a Federal Energy Regulatory Commission (FERC) third-party EA, planning workloads, coordinated agency and public meetings, and responsible for Socioeconomics section of EA.
- ExxonMobil, Alaska LNG Third-Party EIS Project, 2014 to Present, Approximately 800 miles of new 42-inch diameter pipeline in Alaska: Section Lead responsible for preparation of Soils section of a Federal Energy Regulatory Commission (FERC) third-party EIS.
- Venture Global, Venture Global Liquefaction Project, 2014 to Present, Approximately 42 miles of 42-inch diameter pipeline in Louisiana and new LNG terminal: Section Lead responsible for researching and writing soils resource report.
- Dominion Transmission Inc., Atlantic Coast Pipeline, 2014 to Present, Approximately 296 miles of 42-inch diameter pipeline, 178 miles of 36-inch diameter pipeline, 76 miles of 20-inch diameter pipeline, and 3 miles of 16-inch diameter pipeline in Virginia, West Virginia, and North Carolina: Section Lead responsible for researching and writing soils resource report. Agency coordination to plan for soil surveys on national forest land.
- Dominion Transmission Inc., Supply Header Pipeline, 2014 to Present, Approximately 35 miles of 36-inch diameter pipeline and 4 miles of 30-inch diameter pipeline in West Virginia and Pennsylvania: Section Lead responsible for researching and writing soils resource report.
- WBI Energy, Wind Ridge Pipeline Phase II Project, 2014 to Present, Approximately 96 miles of new 16-inch diameter pipeline in North Dakota: Section Lead responsible for researching and writing soils resource report and client prepared EA.
- Dominion Virginia Power, Haymarket 203 kilovolt (kV) Transmission Line Project Environmental Route Review, 2014 to Present, Approximately 6 miles of new 230 kV transmission line in Prince William County and the Town of Haymarket in Virginia: Section Lead responsible for route review and preparation of Land Use, Recreation, Geology, and Soils sections of Routing Study, State Corporation Commission (SCC) Application, and Department of Environmental Quality (DEQ) supplement documents.
- Paiute Pipeline Company, Elko Expansion Project, January 2014 to Present, Approximately 35 miles of new 8-inch diameter pipeline in Elko County Nevada: Section Lead responsible for resource report review and preparation of Geology, Soils, and Water resource sections of the EA.



- Spectra Energy, Algonquin Incremental Project, 2013 to Present, Approximately 38 miles of varying size natural gas pipeline and associated aboveground facilities in New York Connecticut, Rhode Island, and Massachusetts: Section Lead responsible for resource report review and preparation of Geology and Soils sections of EIS.
- Dominion Virginia Power, Remington CT – Warrenton 230 kV Double Circuit Line, Vint Hill – Wheeler and Wheeler – Louden 230 kV Transmission Lines Project Environmental Route Review, 2013 to Present, Approximately 6 miles of 230 kV new and existing electric transmission line in Fauquier and Prince William counties Virginia: Section Lead responsible for route review and preparation of Land Use, Recreation, Geology, and Soils sections of Routing Study, State Corporation Commission (SCC) Application, and Department of Environmental Quality (DEQ) supplement documents.
- Quanta Services, Bluegrass Memphis Pipeline Project, 2013 to 2014, Approximately 91 miles of new NGL pipeline in Tennessee, Arkansas, and Mississippi: Project Team Member responsible for survey tracking and coordination with sub consultants on edits to daily progress reports.
- Spectra Energy, Patoka Express Constraints Analysis, August 2013 to October 2013, Approximately 1,500 miles of 30-inch diameter pipeline and 32 pump stations in Montana, Wyoming, Nebraska, Kansas, Missouri, and Illinois: Project Team Member responsible for researching and writing various sections of the Constraint Study including environmental features, state and federal permits, and issues analysis.
- ONEOK, Sterling III Pipeline Project, July 2013 to October 2013, Approximately 550 miles of 16-inch NGL pipeline in Oklahoma and Texas: Project Team Member responsible for writing the Request for Proposal to Provide Post-Construction Restoration Services and working with bidders through the process.
- Quanta Services, Texas Gas Abandonment Project, January 2013 to December 2013: Project Team Member responsible for survey tracking; Section Lead responsible for preparing resource reports and associated plans for Geology, Soils, and Land Use sections.
- Portland General Electric Company, Cascade Crossing Transmission Project, 2012 to 2013, 210 miles of new 500 kilovolt (kV) electric transmission line, upgrade of an existing 230 kV line, and related facilities in Oregon: Project Team Member responsible for contributing to the preparation of a third-party EIS for the U.S. Forest Service (FS); and preparing the Geology, Soils, and Recreation sections and portions of the Land Use, Water Resources, and Vegetation sections of the EIS.
- Williams Gas Pipeline, Kalama Lateral Pipeline Project, 2011 to 2012, 3.1 miles of 16-inch-diameter natural gas pipeline to provide 62,888 Dth/d of natural gas to a proposed 346 megawatt (MW) natural gas-fired combustion turbine power plant in southwestern Washington: Project Team Member responsible for preparing Soils section and collaborating in preparation of other Resource Reports with authors and client as needed.
- Questar JL 47 Loop Pipeline Project, April 2012 to December 2012, Approximately 15 miles of 16-inch-diameter natural gas pipeline in Duchesne County Utah: Project Team Member



responsible for coordinating paleontological surveys, researching and writing Geology and Paleontology sections of project documents, and running and interpreting soils analysis for the project.

- Dominion Virginia Power, Chickahominy to Skiffes Creek 500 kV and Skiffes Creek to Wheaton 230 kV Transmission Line Project Environmental Route Review, 2011 to 2012, Approximately 72 miles of 230 kV and 500 kV new and existing electric transmission line in multiple counties in Virginia: Section Lead responsible for preparation of Land Use, Recreation, Geology, and Soils sections of Routing Study, State Corporation Commission (SCC) Application, and Department of Environmental Quality (DEQ) supplement documents.
- Dominion Virginia Power, Lexington to Dooms 500 kV Transmission Line Project, September 2012 to October 2012, Approximately 39 miles of 500 kV lines in Virginia: Project Team member responsible for preparation of Land Use, Geology, Recreation, and Soils sections of project documents.
- Williams Gas Pipeline, Piceance Anomaly Digs, January 2012 to August 2012, EA for anomaly digs along existing 48-mile Piceance Lateral in Rio Blanco County Colorado: Project Team Member responsible for researching and writing Soils, Surface and Ground Water, Floodplains, Hydrology, Water Rights, and Paleontology sections of the EA.
- Kinder Morgan, Port Westward Coal Export Terminal Project, March 2012 to April 2012, Coal export terminal in St. Helens, Oregon: Project Team Member responsible for researching federal, state, and local permits applicable to this type of project and assisting with preparing a written permit process report for client.
- Dominion Virginia Power, Cloverhill to Liberty, 230 kV Transmission Line Project, January 2012 to April 2012, Approximately 8 miles of new 230 kV transmission line: Project Team Member responsible for researching and writing Land Use, Recreation, Geology, and Soils section of related project documents.
- Spectra Energy, New Jersey-New York Expansion Project, 2011 to 2012, 20 miles of multi-diameter natural gas pipeline and compressor station modifications in New Jersey, New York, and Connecticut: Project Team Member responsible for assisting with alternatives sections of a Federal Energy Regulatory Commission (FERC) third-party EIS.
- Marshal Line 6B Incident Response Public Affairs, August 2010 to September 2010: Managed local call center in Marshall Michigan for Enbridge, responsible for training local hires, reporting oiled wildlife to U.S. Fish and Wildlife Service (FWS), passing landowner requests on to right-of-way agents and claims adjustors, maintaining "Emergency Response Tracking" database, and speaking with distressed/upset landowners. Compiled data and created daily morning reports, met with client on a daily bases to answer questions, and attended nightly meeting to report status of call center.
- Palomar Gas Transmission, LLC, Palomar Gas Transmission Project, 2007 to 2010, 221 miles of 36- and 24-inch-diameter natural gas pipeline in Oregon: Project Team Member responsible for assisting with survey coordination for environmental field survey efforts; assisting biological leads with research, quality control, and data compilation; assisting with



preparing FERC resource reports for Geology and Ground Water; and participating in tribal consultations and cultural survey coordination for the project.

- Guardian Pipeline, L.L.C., Guardian Expansion and Extension Project, 2007 to 2010, 119 miles of 30-, 20-, and 16-inch-diameter natural gas pipeline and two new compressor stations in Illinois and Wisconsin: Project Team Member responsible for construction compliance tracking and task support.
- NV Energy, Fort Churchill to Harry Allen Substation, 2009 to 2010, 484 miles of 345 kV electric transmission line in Nevada: Project Team Member responsible for analyzing soils data and writing Soils, Geology, and Paleontology sections of siting and routing report.
- Sierra Pacific Power Company, Blackhawk to Ft Churchill, and Falcon to Humboldt Projects, September 2008 to December 2008, a 345 kV Electrical transmission line in Nevada: Responsible for supporting soils lead with SSURGO/STATSGO database management and queries for two 345 kV electric transmission line projects in Nevada.
- Sunstone Gas Transmission Project, July 2008 to November 2008, approximately 598-mile-long natural gas pipeline in Wyoming, Idaho and Oregon: responsible for assisting biological leads with fisheries research and compiling a waterbody crossing table.

Education and Training

- B.A., Environmental Geology, Northeastern University, Boston, Massachusetts, 2006
- B.A., Environmental Studies, Northeastern University, Boston, Massachusetts, 2006
- National Environmental Policy Act Writing the Perfect EA/FONSI, or EIS Training, 2014
- FERC Environmental Compliance Seminar, Louisiana, 2008
- FERC Regulatory Overview and Guidance Seminar, Louisiana, 2008
- Occupational Safety and Health Administration (OSHA) 24 hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training, Massachusetts, 2005