

# Westwood

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## **ROBERT COPOULS, PE** **Operations Manager, Power Generation**

### **Overview**

Since joining Westwood in 2005, Rob has worked in many positions ranging from intern in the survey group, project engineer in the residential and commercial markets, project manager and senior project manager in the power division and to his current role as Operations Manager for the Power Generation Division. Rob takes the same approach to managing projects whether they are a one-turbine project or the 1000-turbine Chokecherry and Sierra Madre Project that he has been managing for the past six years. His diverse background and proactive management style helps him provide clients with experienced technical design and superior coordination throughout the entire project lifecycle. As operations manager Rob works with the Market Leaders and Division Vice President on the day to day management of the division to create efficiency and processes that benefits Westwood and the clients they serve. Rob is a shareholder, a member of the Information Technology Governance Committee, and the leader of Westwood's Vision Advisory Group.

### **Experience**

#### **WIND**

*Chokecherry & Sierra Madre Wind Farm, Carbon County, Wyoming* –1,000 turbines, 3,000 MW. Project manager and engineer of record for conceptual design, preliminary design, final design, and Bureau of Land Management Plan of Development permitting for the largest wind farm in the country. Design included master planning, logistics planning, quarry sizing and planning, mountain access roads, culverts, existing road analysis, delivery routing, SWPPP, erosion control, earthwork analysis, hydrology studies, utility crossing design, sanitary sewer design, raw and potable water main design, rail line design, substation design, interconnect design, laydown yard & man camp design, wetland permitting, county & state permitting, Plan of Development permitting, and coordination with geotechnical engineer, electrical engineer, rail design team, logistics team, biologists, and construction consultation team.

*Courtenay Wind Farm, Stutsman County, North Dakota* –100 turbines, 200 MW. Project manager for preliminary design and final design. Design included access roads, culverts,

hydrology analysis of turbine locations due to prairie pot hole landscape, delivery routing, erosion control, SWPPP, wetland permitting support and utility crossing design.

***Chisholm View Wind Project, Grant & Garfield Counties, Oklahoma*** –140 turbines, 235 MW. Project manager for preliminary design, final design and construction. Design included access roads, culverts, existing roads, delivery routing, electrical circuit layout, transmission line layout, erosion control, SWPPP, SPCC, and utility crossing design. Construction aspects included contractor coordination, contract review, surveying coordination, and monthly onsite reviews.

***Rocky Ridge Wind Project, Kiowa & Washita Counties, Oklahoma*** – 93 turbines, 150 MW. Project manager for preliminary design, final design and construction. Design included access roads, culverts, hydrology analysis of substation location, delivery routing, electrical circuit layout, transmission line layout, SWPPP, and SPCC. Construction aspects included contractor coordination, contract review, surveying coordination, and monthly onsite reviews.

***Prairie Rose Wind Project, Rock County, Minnesota*** – 119 turbines, 200 MW. Project manager for preliminary design, final design and construction. Design included access roads, culverts, hydrology analysis of turbine locations, delivery routing, erosion control, SWPPP, SPCC, wetland permitting support and utility crossing design. Construction aspects included contractor coordination, surveying coordination, and monthly onsite reviews.

***Pocahontas Wind Project, Pocahontas County, Iowa*** – 40 turbines, 100 MW. Project manager for final design and construction. Design included access roads, culverts, state highway access, delivery routing, stream crossing design, erosion control and SWPPP. Construction aspects included contractor coordination, surveying and as-built plans.

***Minonk Wind Project, Woodford & Livingston Counties, Illinois*** – 100 turbines, 250 MW. Project manager for final design and construction. Design included access roads, culverts, drainage impact analysis reports, state highway access, delivery routing, stream crossing design, erosion control, multiple SWPPPs.

***Walker Ridge Wind Farm, Colusa & Lake County, California*** – 29 turbines, 67 MW. Project manager for mountain horizontal and vertical access road design, Bureau of Land Management disturbance calculations, storm water design, NPDES Permitting, final civil plan preparation, earthwork analysis, and horizontal and vertical existing road analysis.

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***Alta Wind Energy Center Phases 6 & 8, Kern County, California*** – 100 turbines, 300 MW. Project manager for conceptual feasibility studies, access road design, storm water design, site hydrology review, earthwork analysis, civil plan preparation, NPDES permitting, fugitive dust permitting, and coordination with other engineering and environmental consultants.

***Caney River Wind Farm, Elk County, Kansas*** - 111 turbines, 200 MW. Project manager for access road design, electrical circuit layout, delivery flow truck analysis, final civil plan preparation and coordination between contractor, engineering management team, developer, owner and county.

***Rock Creek Wind Farm, Atchison County, Missouri*** – 134 turbines, 201 MW. Project manager for preliminary plan coordination, access road design, electrical circuit layout, delivery flow truck analysis, quantity estimate, and coordination with electrical consultant.

***Smoky Hills Phase 1 & 2, Lincoln & Ellsworth Counties, Kansas*** – 166 turbines, 250 MW. Project engineer for access road design, individual turbine site design, coordination with electrical consultant, coordination with county engineering consultant, expanded intersection design, utility encroachment review, electrical circuit layout, delivery flow truck analysis, flood plain analysis, NPDES permitting, culvert design, substation grading plan, operation and maintenance building grading plan, and final civil plan design.

***Sherbino Mesa Wind Farm, Pecos County, Texas*** – 50 turbines, 100 MW. Project engineer for steep slope design, access road design, improve existing site access road, culvert design, substation and operations and maintenance building grading plans and final civil plan design.

***Walnut Wind Farm, Pottawattamie County, Iowa*** – 67 turbines, 100 MW. Project engineer for access road design, final civil plan design, NPDES permitting, construction engineering support for contractor and coordination between contractor and survey crews.

***Grand Meadow Wind Farm, Mower County, Minnesota*** – 67 turbines, 100 MW. Project engineer for access road design, final civil plan design, NPDES permitting, construction engineering support for contractor and coordination between contractor and survey crews.

## **RESIDENTIAL**

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***Rhapsody, Victoria, Minnesota*** – 98 unit residential development – Preliminary plan design, cost analysis, earthwork analysis, final grading plan design, final utility plan design, final street plan design, county turn lane design, wetland mitigation, and hydrology report preparation.

***Krey Lakes, Victoria, Minnesota*** – 150 unit residential development – Preliminary plan design, earthwork analysis, gas line avoidance, final grading plan design, final utility plan design, final street plan design, state turn lane design, wetland mitigation, and hydrology report preparation.

***Pinehill, Waconia, Minnesota*** – 200 unit residential development – County road plan coordination, gas line avoidance, preliminary plan design, cost analysis, earthwork analysis, final grading plan design, final utility plan design, final street plan design, wetland mitigation, and hydrology report preparation.

***Four Seasons at Rush Creek, Maple Grove, Minnesota*** – 300 unit residential development – Preliminary plan design, earthwork analysis, final grading plan design, coordination with city for final utility & street plan design, wetland mitigation, and hydrology report preparation.

## **COMMERCIAL**

***Pine Business Park, Waconia, Minnesota*** – 8 unit office park development – Preliminary plan design, gas line avoidance, cost analysis, earthwork analysis, final grading plan design, final utility plan design, final street plan design, wetland mitigation, and hydrology report preparation.

***The Clubhouse at Four Seasons, Maple Grove, Minnesota*** – Commercial building – Final grading plan design, final utility plan design, final parking lot design, coordination with architect, and Autoturn fire truck analysis.

***BCS Office Building, Waconia, Minnesota*** – Commercial building – Gas line avoidance, grading plan design, utility plan design, parking lot design, and coordination with architect.

## **MIXED USE**

***Fieldstone Master Plan, Mayer, Minnesota*** – 1,000-unit mixed use development – Preliminary plan design, earthwork analysis, state turn lane design, FEMA flood plan analysis, wetland mitigation, and hydrology report preparation.

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## **Education**

Valparaiso University, BS in Civil Engineering

## **Registrations**

Professional Engineer

Georgia, Illinois, Iowa, Minnesota, North Dakota, Oklahoma, Wyoming

## **Associations**

Tau Beta Pi, Engineering Honor Society

## **Chronology**

Westwood Professional Services, May 2005 – Present