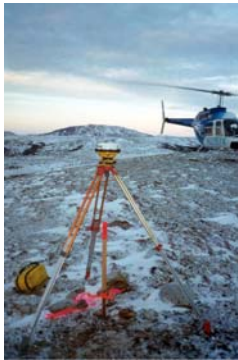




PDC INC. ENGINEERS

Transforming Challenges into Solutions



Owner:
Golden Valley Electric
Association

Location:

Tanana Valley – Healy to Fairbanks, Alaska

Project Completion:

2002

PDC Involvement:

- Control Surveys
- Photo Control Surveys
- Centerline Profile
- Detailed Design Surveys
- Construction Surveys

Anchorage:

T: 907.743.3200

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Fairbanks:

T: 907.452.1414

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www.pdceng.com

Golden Valley Electric Association Northern Intertie Surveys

The Northern Intertie is a 97-mile-long, 230 kV electric power transmission line that runs from Healy to Fairbanks, in large part west of the Tanana River and accessible only by boat and helicopter. It provides power to Fairbanks from GVEA's Healy Power Plant and the Anchorage area.

PDC surveyors performed a major GPS photo control survey in 1996 to establish project control and then continued on to provide:

- Detailed centerline profile surveys
- Site surveys of the connection point at the Wilson Substation in Fairbanks
- River crossing surveys at the Tanana River
- Construction surveys for a portion of the 540 towers, most of which were delivered on an ice road built for the project and installed by helicopter

The \$81 million dollar intertie was energized on October 10, 2003.