

# Anchorage Municipal Light & Power

"Autodesk ReCap doesn't just reduce ambiguity, it eliminates it. Three-dimensional modeling allows us to be there, to see it as it is. This isn't an interpretation of the data-you are in the data. It's a paradigm shift for the way we see our underground vaults."

EVERETT CLARY AND FORREST ROY,  
GIS/ENGINEERING SUPPORT SUPERVISOR AND  
UNDERGROUND CABLE LOCATOR  
ANCHORAGE MUNICIPAL LIGHT & POWER



Anchorage Municipal Light and Power (AML&P) serves an area of 19.9 contiguous miles encompassing the center of Alaska's largest city, Anchorage. AML&P is one of the few fully vertically integrated Electric Utilities in the nation, having an ownership in the Beluga gas fields in Cook Inlet. With over 330 MW of generation capacity, AML&P serves Joint Base Elmendorf Richardson, 24,000 residential customers, 6,000 commercial customer and sells energy to other neighboring utilities, Chugach Electric Association and Golden Valley Electric. AML&P operates three generation facilities through 156 miles of overhead cable and 254 miles of underground cable, with approximately 250 employees, while maintaining a reliability rating of 99.99%. As our underground facilities age, their replacement becomes more vital, and more hazardous.

## Results

- Reduced vault design and Engineering time by half
- Improved quality and accuracy of Engineering design
- Increased safety by reducing the need to physically enter and field verify electrical underground confined spaces
- Reduced operations crew man-hours to open vaults
- Instrumental in recognizing our maintenance and safety issues regarding underground vaults
- Served as a focal point in interdepartmental cooperation between Engineering and Operations regarding underground vault upgrades
- Facilitated collaboration between engineers and drafters"

## ACHIEVED WITH

- GoPro Hero 3 Black Edition
- DPI-7 DotProduct scanner
- Autodesk ReCap 360
- Autodesk Memento
- Identified target areas, processed photos into ReCap