



# AUTODESK UNIVERSITY 2015

UT10131-R

## Peace in Our Time. Utopia in Utilities

Brad Vander Plas  
CAD/GIS Supervisor  
Golden Valley Electric Association

Andy Morsell  
Implementation Consultant  
Autodesk, Inc.

### Learning Objectives

- Be able to navigate the multiple options out there to get what you want
- Gain new insight on workflows and the software you are using
- Learn about other programs and methods that can help move you forward
- Build a network of like-minded professionals to go forth and conquer

### Description

In our diverse world of multiple products, software, plug-ins, apps, and other technologies; it is more important than ever to maintain good workflows and processes into what we do every day. At Golden Valley Electric Association (GVEA), we use Autodesk Map 3D(E), Autodesk Infrastructure Mapping Server (AIMS), Civil 3D, and Vault Professional, in conjunction with a Custom Built Oracle Customer Information System (CIS) to tie our Map 3D(E) data together with AIMS. This round table discussion is intended to get, give, and gain knowledge to create better workflows, and become better prepared. There is no better place to discuss and learn than at Autodesk University where you are surrounded by your peers, technical gurus, expert consultants, and high-speed managers. We will discuss current Autodesk products and how they can help cut through the labyrinth of information to get to that utopian goal of peace: Through superior product, information, knowledge, and networking firepower.

### Your AU Experts

*Brad Vander Plas is the CAD/GIS Supervisor for Golden Valley Electric Association (GVEA) in Fairbanks, Alaska. This is the 2<sup>nd</sup> time Brad is presenting at Autodesk University and his 7<sup>th</sup> AU. He progressed from drafting pre-cast concrete products, to a Designer, to GVEA as a CAD/GIS Technician before becoming the CAD/GIS Supervisor. At GVEA, he is responsible for maintaining the GIS for the 5973 square mile service area with over 2000 miles of primary distribution lines. He is also responsible for maintaining drawings of multiple Substations, Communication Sites, and facilities; as well as training and minor technical support for multiple users of Autodesk products and other GIS related software. Additionally, Brad is an adjunct professor at the University of Alaska – Community Technical College; teaching courses in Drafting, GIS, and AutoCAD.*

*This is Andy Morsell's 14th year presenting at Autodesk University! Andy is an Implementation Consultant in the Global Services, Americas Utilities and Telecom Consulting group at Autodesk®. He has more than 15 years of programming, customization, configuration, integration and management experience in the Autodesk® reseller, training, and developer communities. Prior to working in the GIS*

*and CAD consulting fields, Andy worked in the civil, environmental, and geotechnical industry as a project engineer, and was involved in all phases of field data collection and design. He earned a bachelor's degree in geology and master's degree in geologic engineering, and is a registered civil engineer.*

### **Be able to navigate the multiple options out there to get what you want**

From a utility perspective, from when a customer signs up for service, how do you help them out? Let's explore the options from a simple connect on existing lines, to new builds. What about land management? How about outages and Maps for field crews? Autodesk has a plethora of programs and ways that you can use their software to collect and retrieve data, implement data, and share data. There are multiple ways that data can be shared with other software packages.

1. What do you really need to get the job done?
2. What kinds of Autodesk programs are you using?
3. What non-Autodesk programs are you using?
4. How and where are you collecting data?
5. What are you doing with the data once you have it?
6. How do you plan, or how are you sharing the data?
  - a. Drawings?
  - b. Internally, externally, or both?
  - c. Programs you are using?

### **Gain new insight on workflows and the software you are using**

Now that we have some programs and options, where are my experts at? How are you using the programs and how are they tied into your work flows?

- Share some details and help us all out! Keep it real, and really useful!

### **Learn about other programs and methods that can help you move forward**

Tied in with the above points:

1. What other programs and software are you using, and what are you looking at doing in the future?
  - a. Have you done any integrations recently? How did that work out? How did that influence you decision to move forward?
2. Are you looking at other projects and software that could be helpful?
3. Are there ways that the data you are collecting can be tied in with Autodesk products?
4. What are the

### **Build a network of like-minded professionals to go forth and conquer**

Let's go beyond AU. Let's get together to talk and share information with each other. Let's achieve peace in our time; doing our part to make it happen. With our superior software, knowledge, skills, and abilities, we will lead the way!