



Session Four – Panel Two at 4 p.m. ET on November 18: Data, Technology, and Innovation that Deliver Merit

Presenter:

Joel Burroughs
Account Manager, NV5 Geospatial

Presentation Title: 3D Elevation Program: Enabling Infrastructure Equality Across Communities

Bio: Joel Burroughs has over 16 years of experience in the geospatial field. His technical background is in wide-area lidar data acquisition and processing, and elevation derived derivative products. Joel has been with NV5 Geospatial for the last 10 years, and serves as an account manager within their Federal Team. Joel's primary focus now is in supporting USGS and their programs through management of NV5G's Geospatial Products and Services Contract (GPSC). Joel lives in Louisville, Kentucky.

Presentation Title & Information:

3D Elevation Program: Enabling Infrastructure Equality Across Communities

In 2015, the U.S. Geological Survey (USGS) created the 3D Elevation Program (3DEP) to respond to the growing needs for high-quality topographic data across the country. This program has the goal of providing wall to wall high-resolution, homogenous elevation data of all 50 states and U.S. territories by 2023. These data will be the underpinning of a myriad of projects that will address the nations aging infrastructure, advance planning for natural disasters such as wildfires, floods, and landslides, bringing broadband to underserved and remote parts of the country, and making us more resilient against an ever-changing climate. 3DEP has been successful to date by engaging and partnering with the entire geospatial community. This includes Federal agencies outside of USGS, States, Counties, Municipalities, and the private sector. Since the beginning of 3DEP, NV5 Geospatial has been awarded task orders to collect and process over 1 million miles of lidar data for the program. This presentation seeks to provide an overview of the 3DEP program, highlight the use cases for the data using NV5 Geospatial's own project examples, and look to what is next as the program evolves past the initial goal of wall-to-wall coverage of high-resolution elevation data.