SUSTAINABLE WINTER OPERATIONS
UDOT Experience using INVEST Tool
Utah scored well in parts of the INVEST pilot
Based on INVEST tool responses UDOT decided on sustainability initiatives
Initiatives were grouped into High, Medium and Low Categories based
High Importance

- Integrate Lidar data into Pavement Management System
- Create Proactive Bridge Management Plan
- Measure Innovative Contracting Work Zone Crashes
- Create accessible environmental commitment tracking system
Medium Importance

- Implement Traffic Signal Performance Measures for specific Corridors
- Prepare Fossil Fuel Reduction Plan
- Create Traffic Signal Maintenance Plan
- Create Snow Removal Decision Support System
- Create ITS Device Maintenance Plan
Low Importance

- Prepare a Renewable Energy Plan
- Create Overall Internal Sustainability Plan
- Prepare a Culvert Replacement Plan
- Prepare a Recycling and Reuse Plan
INVEST Initiatives
Winter Operations

- Snow Plow Route Optimization
- AVL Implementation
- Road Weather Condition Cameras
- Winter Road Condition Performance Metrics
INVEST Process helped UDOT

- Focus on social, environmental, and economic issues impacted by our winter operations
- Identify high leverage actions that have broad impacts
- Allocate effort to meet objectives
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