

# Empire Electric Association, Inc. Wildland Fire Protection Plan: Utah Service Area Maps

8/11/2023



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# Empire Electric Association Utah Service Area: Land Surface Ownership

## Legend

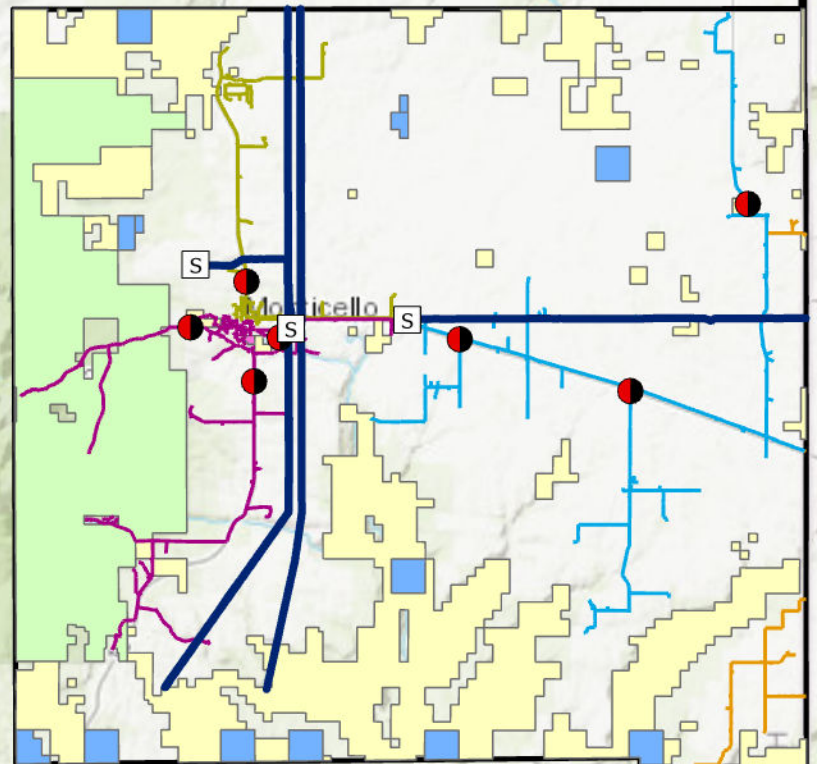


- S Substations
- Recloser
- Transmission
- Bluedoor 3
- Dove Creek 3
- Monticello Rural 1
- Monticello Rural 2
- Monticello Rural 3
- Bureau of Land Management
- National Parks
- National Forest
- Bureau of Reclamation
- Tribal Lands
- State Land
- National Monument
- Private or Unknown
- Utah\_Service Area

0 2.5 5 10 Miles



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San Juan River

COLORADO

th Natio

# Empire Electric Association Wildland Fire Protection Plan: Historic Fire Perimeters



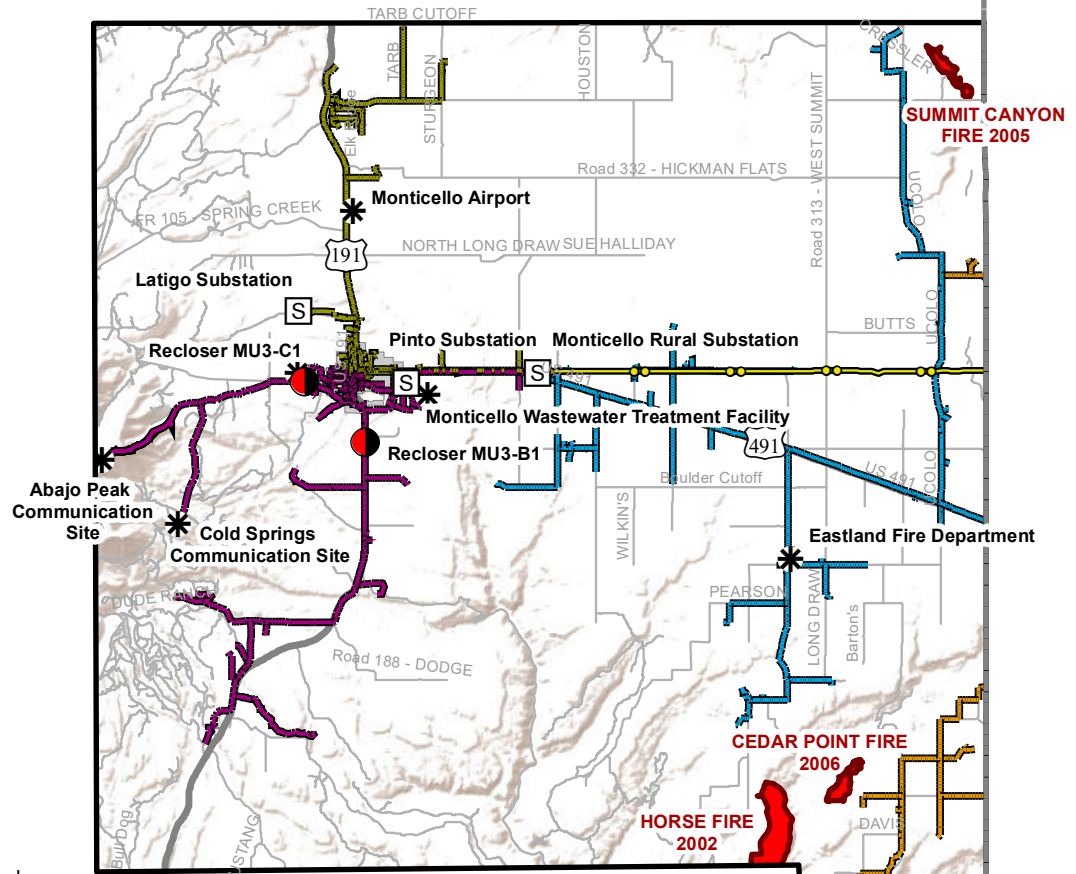
## Legend

- Reclosers
- Critical Infrastructure
- Substations
- Transmission
- Distribution Circuits**
  - Bluedoor 3
  - Dove Creek 3
  - Monticello Rural 1
  - Monticello Rural 2
  - Monticello Rural 3
- Roads
- Highways
- Historic Fire Perimeters
- Empire Electric Service Area
- Municipal Boundaries
- State Boundaries

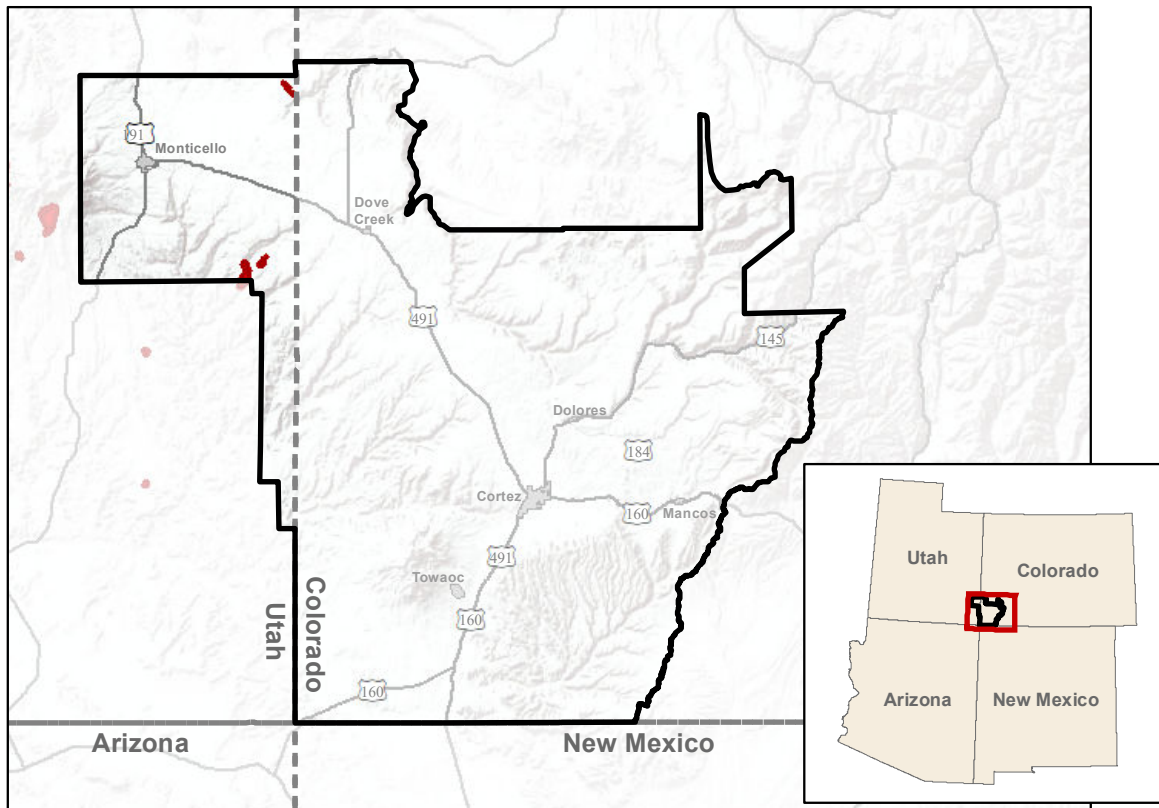
0 1 2 4 Miles



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## Empire Electric Service Area Location Map





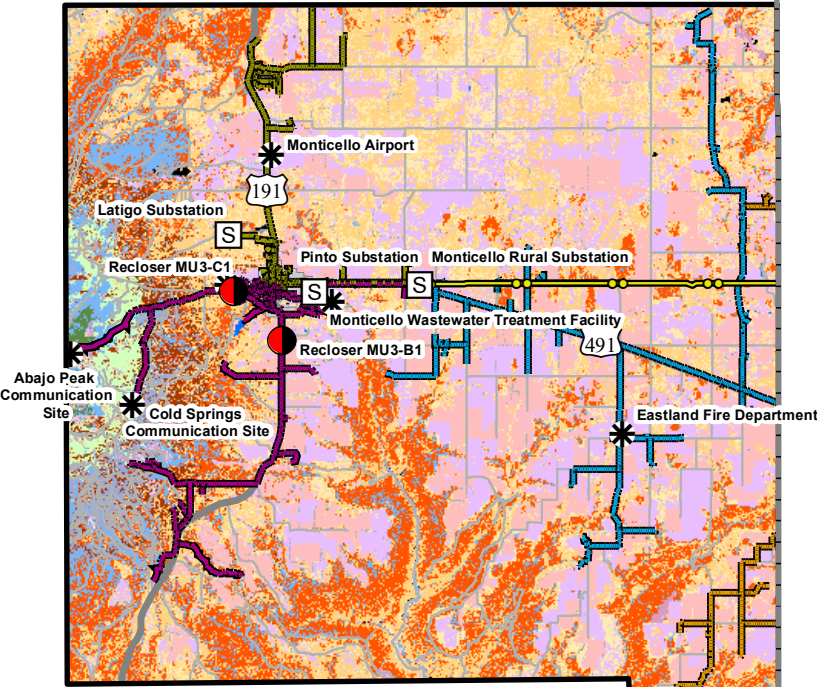
# Empire Electric Association Wildland Fire Protection Plan: Fuels



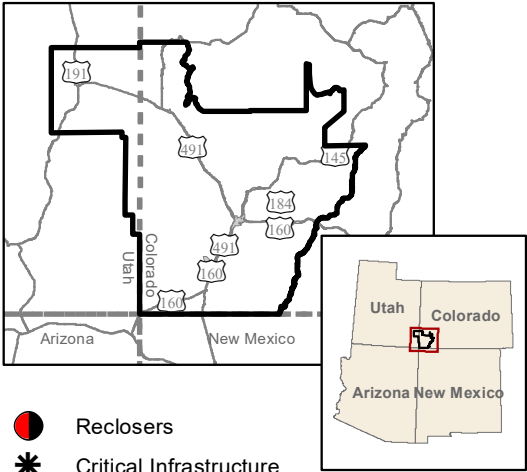
## Legend

### 2005 FBPS Fuels Model Set

- NB01 - 91 - Urban/Developed
- NB02 - 92 - Snow/Ice
- NB03 - 93 - Agriculture
- NB08 - 98 - Water
- NB09 - 99 - Barren
- GR01 - 101 - Short, sparse, dry climate grass
- GR02 - 102 - Low load, dry climate grass
- GR03 - 103 - Low load, very coarse, humid climate grass
- GR04 - 104 - Moderate load, dry climate grass
- GR05 - 105 - Low load, humid climate grass
- GR06 - 106 - Moderate load, humid climate grass
- GR07 - 107 - High load, dry climate grass
- GR08 - 108 - High load, very coarse, humid climate grass
- GR09 - 109 - Very high load, humid climate grass
- GS01 - 121 - Low load, dry climate grass-shrub
- GS02 - 122 - Moderate load, dry climate grass-shrub
- GS03 - 123 - Moderate load, humid climate grass-shrub
- GS04 - 124 - High load, humid climate grass-shrub
- SH01 - 141 - Low load, dry climate shrub
- SH02 - 142 - Moderate load, dry climate shrub
- SH03 - 143 - Moderate load, humid climate shrub
- SH04 - 144 - Low load, humid climate timber-shrub
- SH05 - 145 - High load, humid climate grass-shrub
- SH06 - 146 - Low load, humid climate shrub
- SH07 - 147 - Very high load, dry climate shrub
- SH08 - 148 - High load, humid climate shrub
- SH09 - 149 - Very high load, humid climate shrub
- TU01 - 161 - Light load, dry climate timber-grass-shrub
- TU02 - 162 - Moderate load, humid climate timber-shrub
- TU03 - 163 - Moderate load, humid climate timber-grass-shrub
- TU04 - 164 - Dwarf conifer with understory
- TU05 - 165 - Very high load, dry climate timber-shrub
- TL01 - 181 - Low load, compact conifer litter
- TL02 - 182 - Low load, broadleaf litter
- TL03 - 183 - Moderate load, conifer litter
- TL04 - 184 - Small downed logs
- TL05 - 185 - High load, conifer litter
- TL06 - 186 - Moderate load, broadleaf litter
- TL07 - 187 - Large downed logs
- TL08 - 188 - Long-needle litter
- TL09 - 189 - Very high load, broadleaf litter
- SB01 - 201 - Low load, activity fuel
- SB02 - 202 - Moderate load, activity fuel or low load, blowdown
- SB03 - 203 - High load, activity fuel or moderate load, blowdown
- SB04 - 204 - High load, blowdown



### Empire Electric Service Area Location Maps



- Reclosers
- Critical Infrastructure
- Substations
- Transmission
- Distribution Circuits**
- Bluedoor 3
- Dove Creek 3
- Monticello Rural 1
- Monticello Rural 2
- Monticello Rural 3
- Roads
- Highways
- Empire Electric Service Area
- Municipal Boundaries
- State Boundaries



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# Empire Electric Association Wildland Fire Protection Plan: Vegetation Type



## Legend

- Reclosers
- Critical Infrastructure
- Substations
- Transmission
- Distribution Circuits**
  - Bluedoor 3
  - Dove Creek 3
  - Monticello Rural 1
  - Monticello Rural 2
  - Monticello Rural 3
- Roads
- Highways
- Empire Electric Service Area
- Municipal Boundaries
- State Boundaries

## Vegetation Type

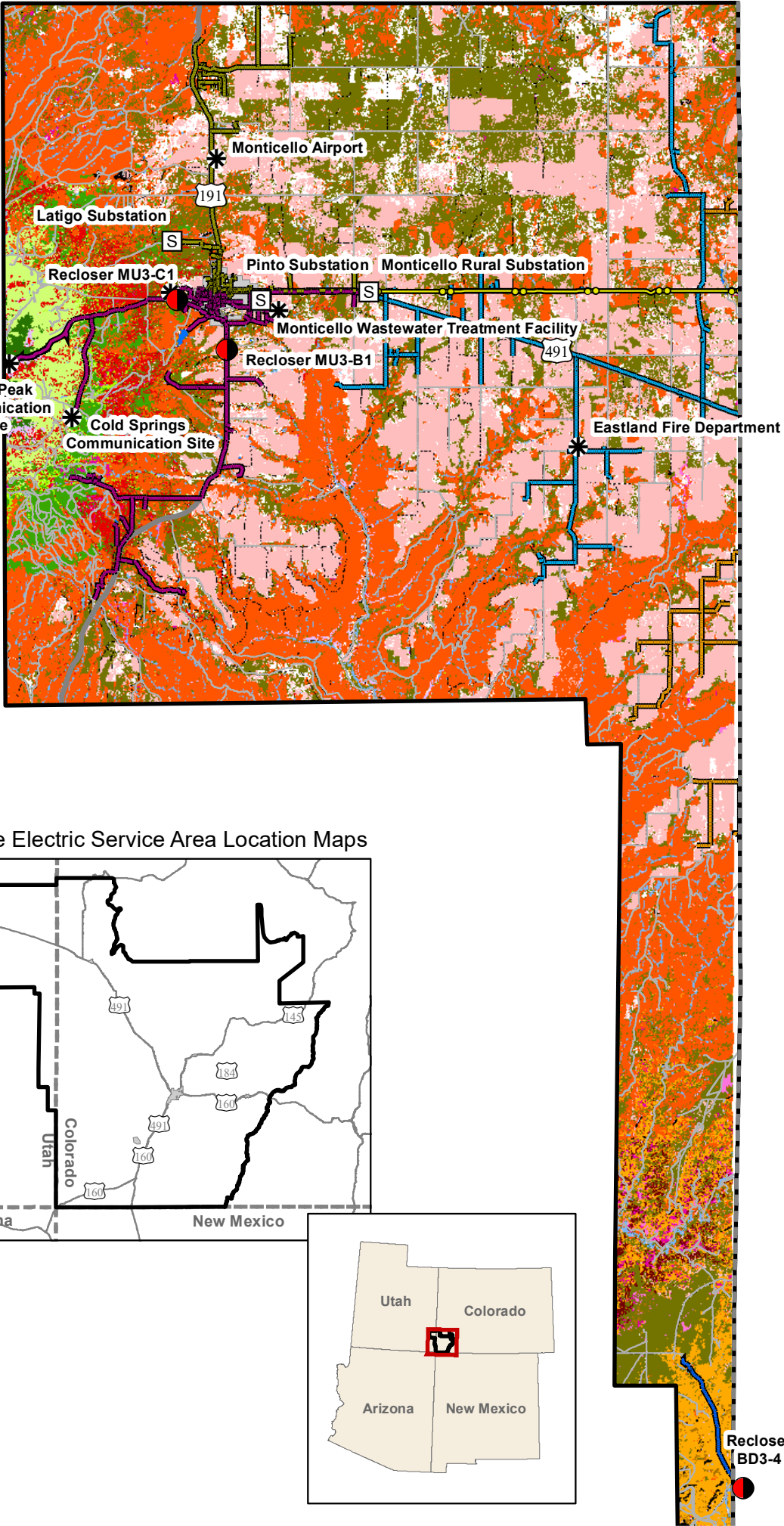
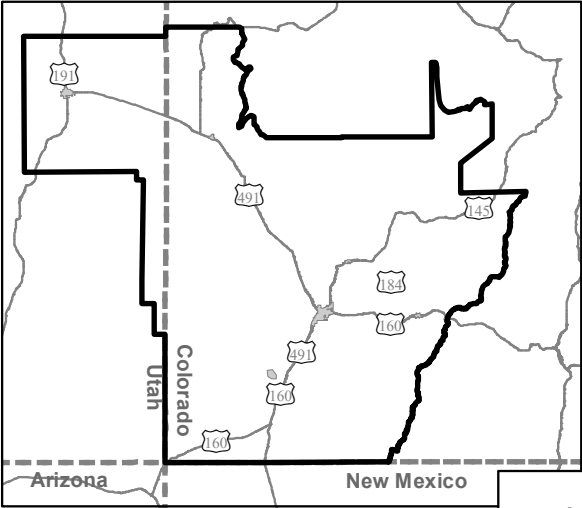
- Agriculture
- Barren
- Water
- Developed
- Sparse Vegetation
- Grassland
- Exotic Herb
- Riparian
- Hardwood
- Mixed Fir Forest
- Pine Forest
- Subalpine Forest
- Pinyon-Juniper
- Mountain Mahogany
- Desert Scrub/Steppe
- Shrubland
- Gamble Oak
- Sage Shrub/Steppe
- Chaparral

0 1 2 4 Miles



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## Empire Electric Service Area Location Maps





# Empire Electric Association Fire Protection Plan: Utah Service Area Fire Risk



## Legend

- Substations
- Recloser
- Transmission
- Bluedoor 3
- Dove Creek 3
- Monticello Rural 1
- Monticello Rural 2
- Monticello Rural 3
- Utah\_Service Area

## Fire Risk Index

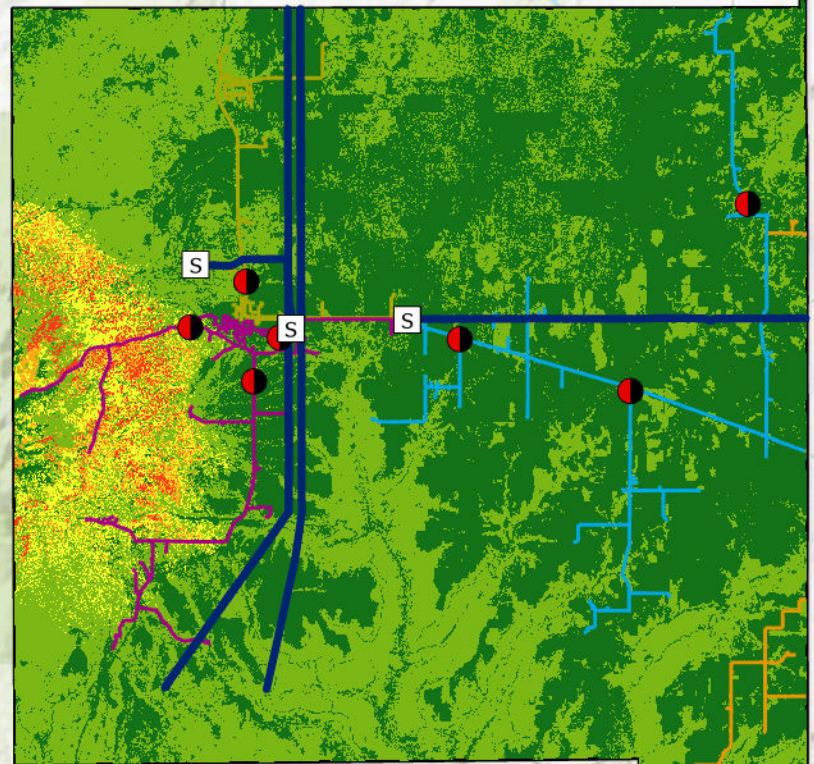
### Value

- 1 - 753
- 754 - 2,459
- 2,460 - 5,018
- 5,019 - 7,778
- 7,779 - 12,796

0 2.5 5 10 Miles



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COLORADO

th Nation



# Empire Electric Association Fire Protection

## Plan: Monticello Rural 1



- S Substations
- Recloser
- Transmission
- Bluedoor 3
- Dove Creek 3
- Monticello Rural 1
- Monticello Rural 2
- Monticello Rural 3
- Utah\_Service Area

### Fire Risk Index

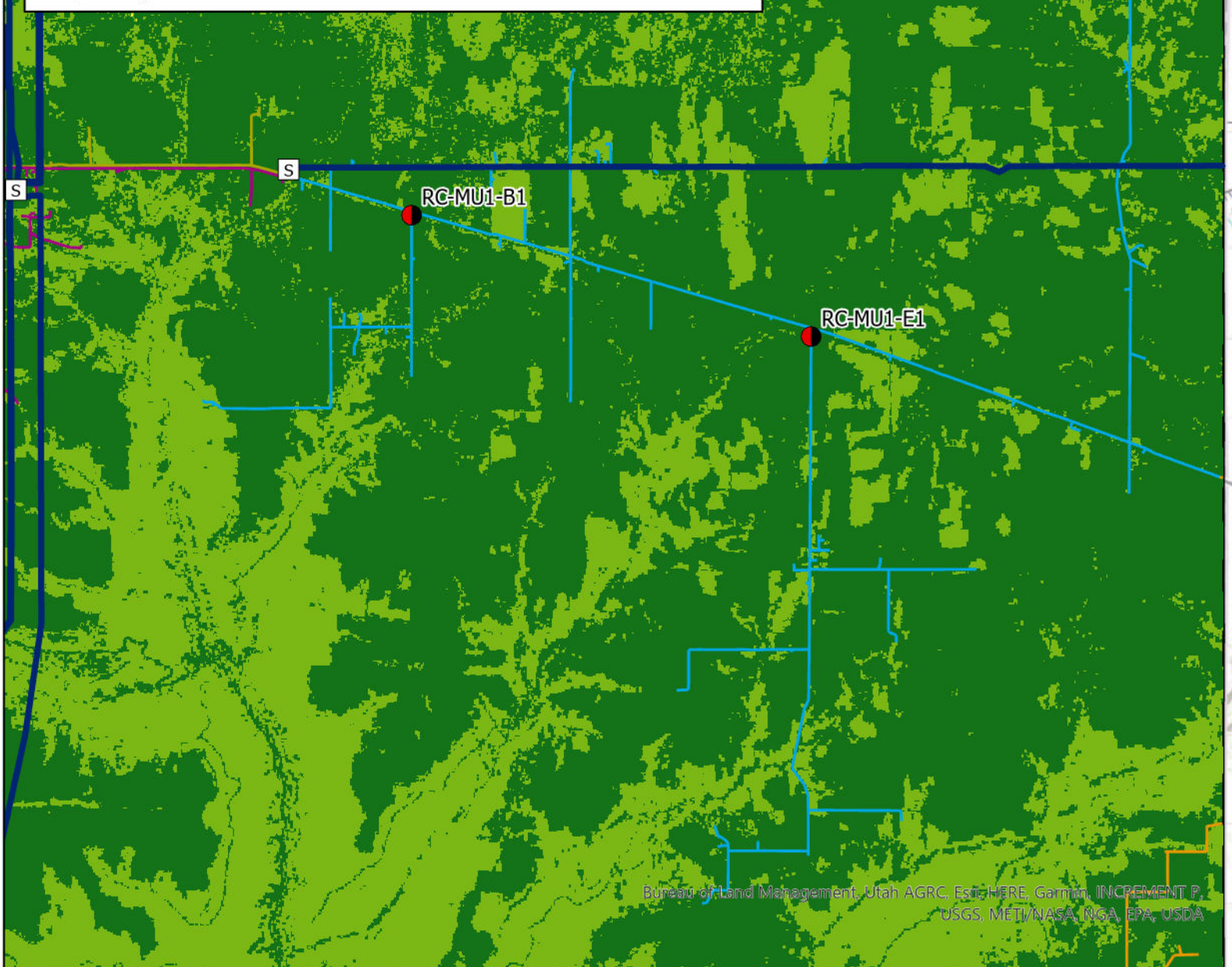
#### Value

- 1 - 753
- 754 - 2,459
- 2,460 - 5,018
- 5,019 - 7,778
- 7,779 - 12,796

0 1 2 4 Miles








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# Empire Electric Association Fire Protection Plan: Monticello Rural 2



-  Substations
-  Recloser
-  Transmission
-  Bluedoor 3
-  Dove Creek 3
-  Monticello Rural 1
-  Monticello Rural 2
-  Monticello Rural 3
-  Utah Service Area

## Fire Risk Index

### Value

-  1 - 753
-  754 - 2,459
-  2,460 - 5,018
-  5,019 - 7,778
-  7,779 - 12,796

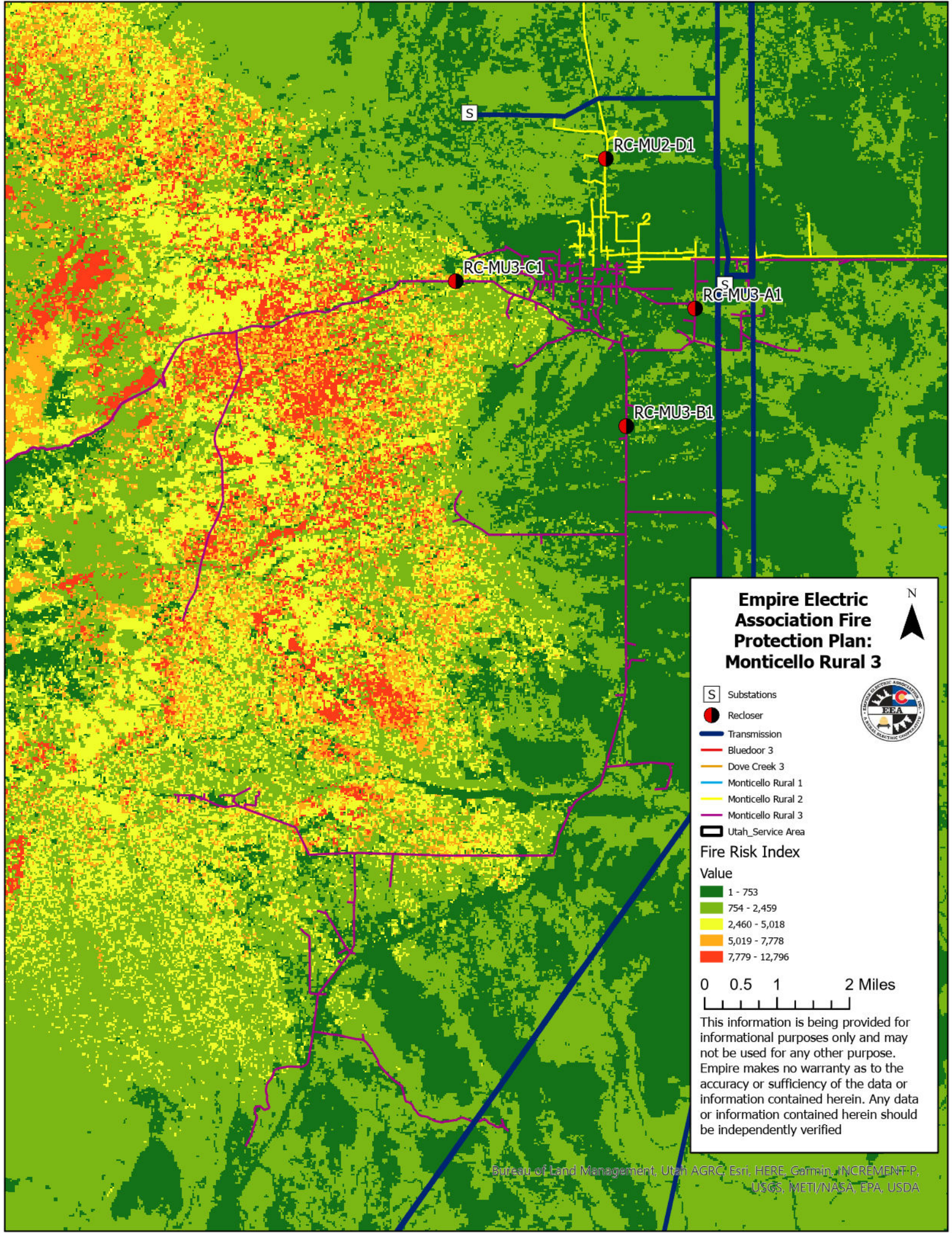
0 0.5 1 2 Miles




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RC-MU2-D1




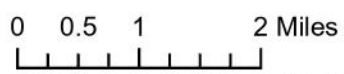


# Empire Electric Association Fire Protection Plan: Monticello Rural 3

-  Substations
-  Recloser
-  Transmission
-  Bluedoor 3
-  Dove Creek 3
-  Monticello Rural 1
-  Monticello Rural 2
-  Monticello Rural 3
-  Utah Service Area

**Fire Risk Index**

Value
 1 - 753
 754 - 2,459
 2,460 - 5,018
 5,019 - 7,778
 7,779 - 12,796



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# **Empire Electric Association Fire Protection Plan: Dove Creek Circuit 3**

-  Substations
-  Recloser
-  Transmission
-  Bluedoor 3
-  Dove Creek 3
-  Monticello Rural 1
-  Monticello Rural 2
-  Monticello Rural 3
-  Utah\_Service Area



## **Fire Risk Index**

### **Value**

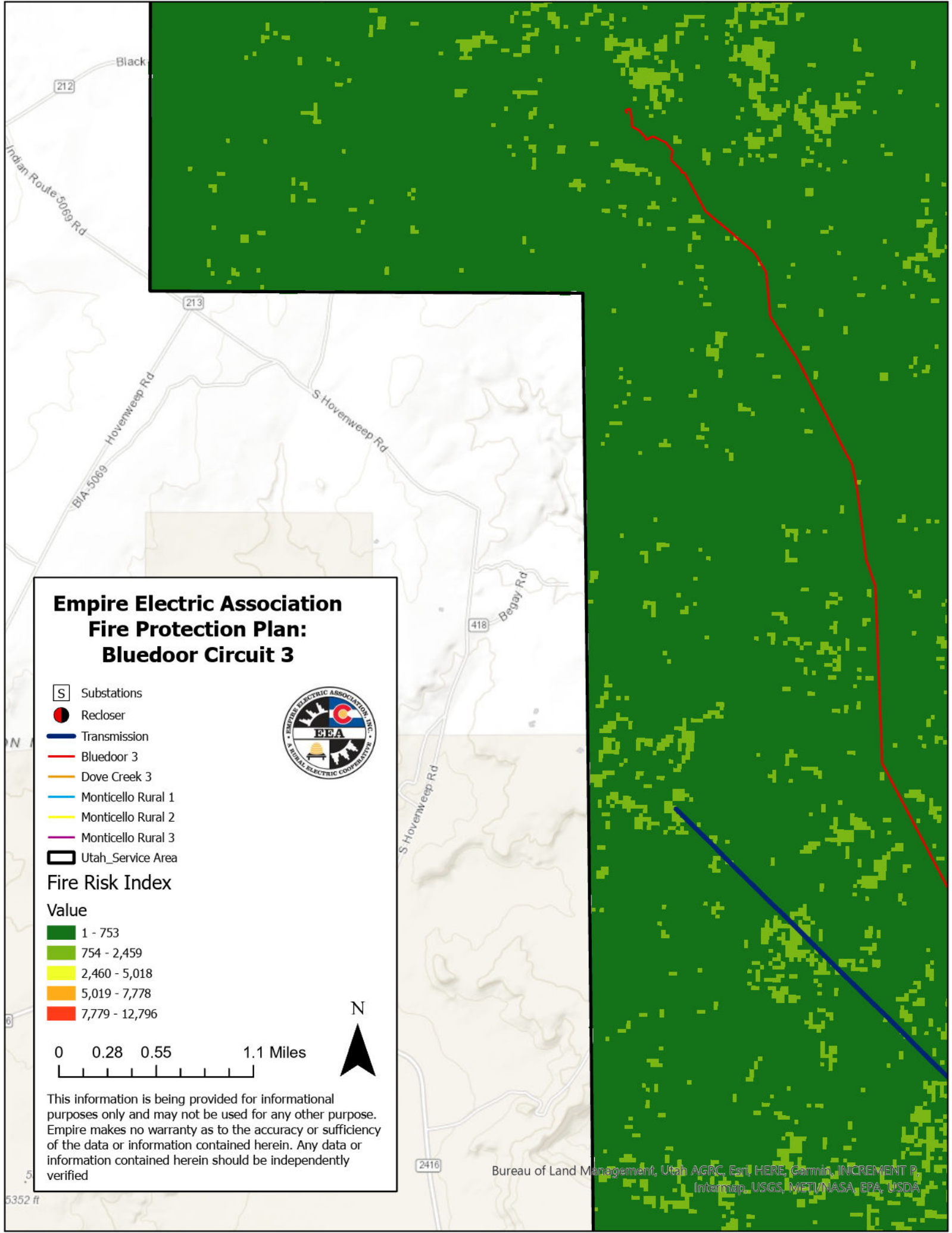
-  1 - 753
-  754 - 2,459
-  2,460 - 5,018
-  5,019 - 7,778
-  7,779 - 12,796

0 0.5 1 2 Miles










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## Empire Electric Association Fire Protection Plan: Bluedoor Circuit 3

-  Substations
-  Recloser
-  Transmission
-  Bluedoor 3
-  Dove Creek 3
-  Monticello Rural 1
-  Monticello Rural 2
-  Monticello Rural 3
-  Utah Service Area



### Fire Risk Index

#### Value

-  1 - 753
-  754 - 2,459
-  2,460 - 5,018
-  5,019 - 7,778
-  7,779 - 12,796

0 0.28 0.55 1.1 Miles



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# Empire Electric Association Wildland Fire Protection Plan: Utah Service Area Fire Threat



## Legend

- S Substations
- Transmission
- Distribution Circuits**
- Bluedoor 3
- Dove Creek 3
- Monticello Rural 1
- Monticello Rural 2
- Monticello Rural 3
- Empire Electric Service Area

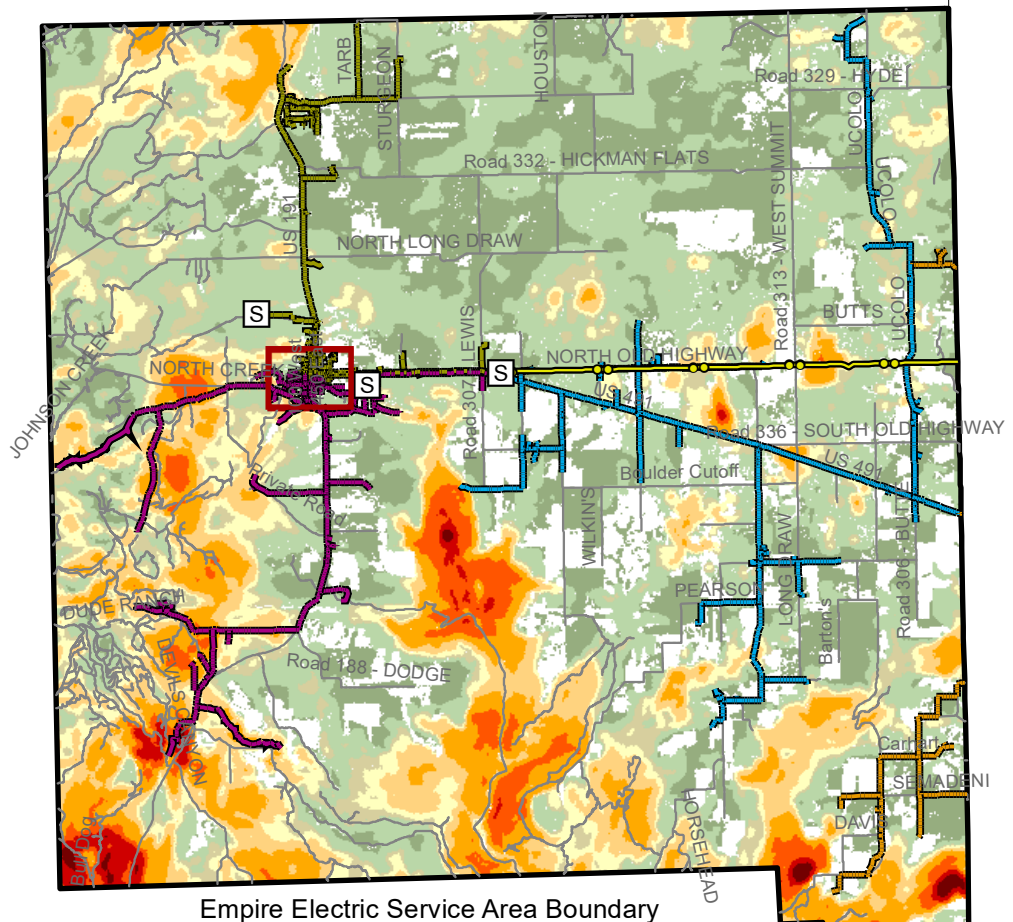
## Fire Threat Index

	<= 0.000377
	0.000378 - 0.002113
	0.002114 - 0.003370
	0.003371 - 0.005979
	0.005980 - 0.011547
	0.011548 - 0.026047
	0.026048 - 0.050057
	0.050058 - 0.097886
	0.097887 - 1.000000

0 1 2 4 Miles

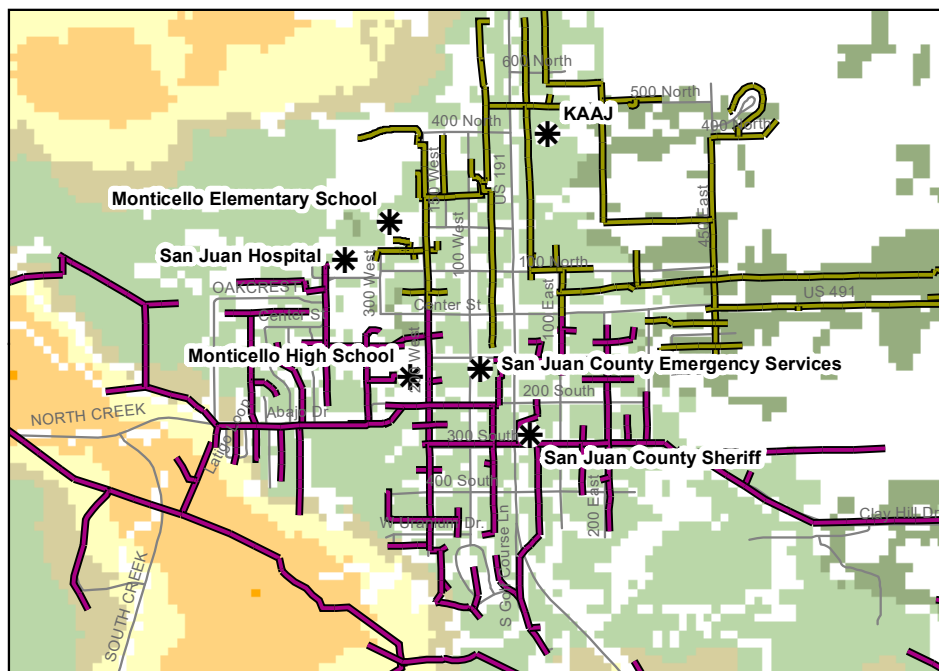


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Empire Electric Service Area Boundary

## Monticello Area Detail









Utah  
Colorado



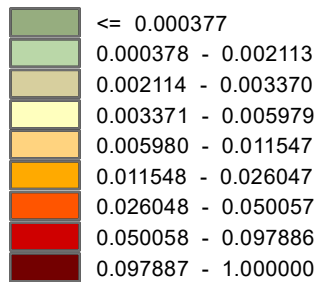
# Empire Electric Association Wildland Fire Protection Plan: Monticello Rural Circuit 1 Fire Threat

Empire Electric Service Area Boundary

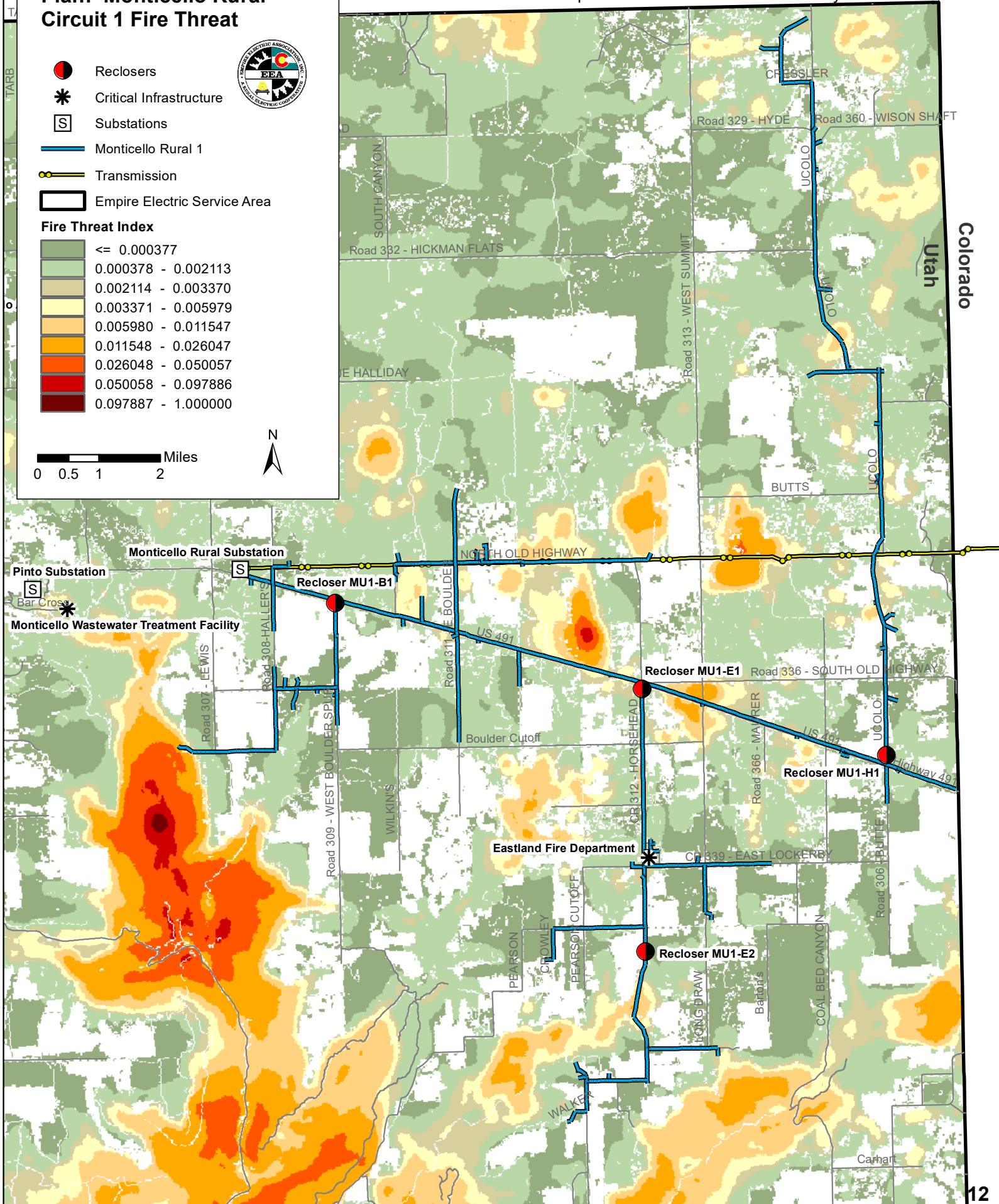
-  Reclosers
-  Critical Infrastructure
-  Substations
-  Monticello Rural 1
-  Transmission
-  Empire Electric Service Area



## Fire Threat Index



0 0.5 1 2 Miles



# Empire Electric Association Wildland Fire Protection Plan: Monticello Rural Circuit 2 Fire Threat

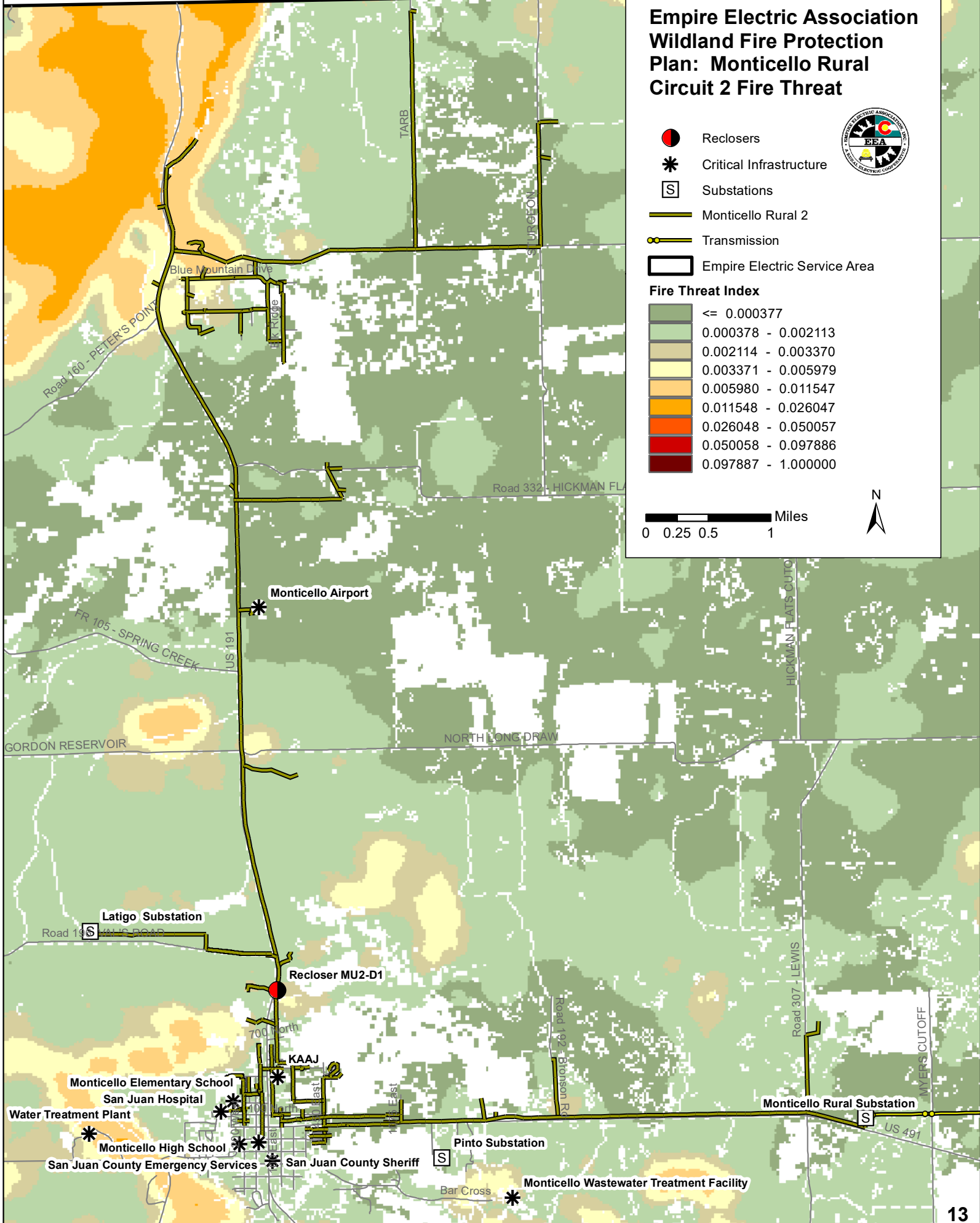


- Reclosers
- Critical Infrastructure
- Substations
- Monticello Rural 2
- Transmission
- Empire Electric Service Area

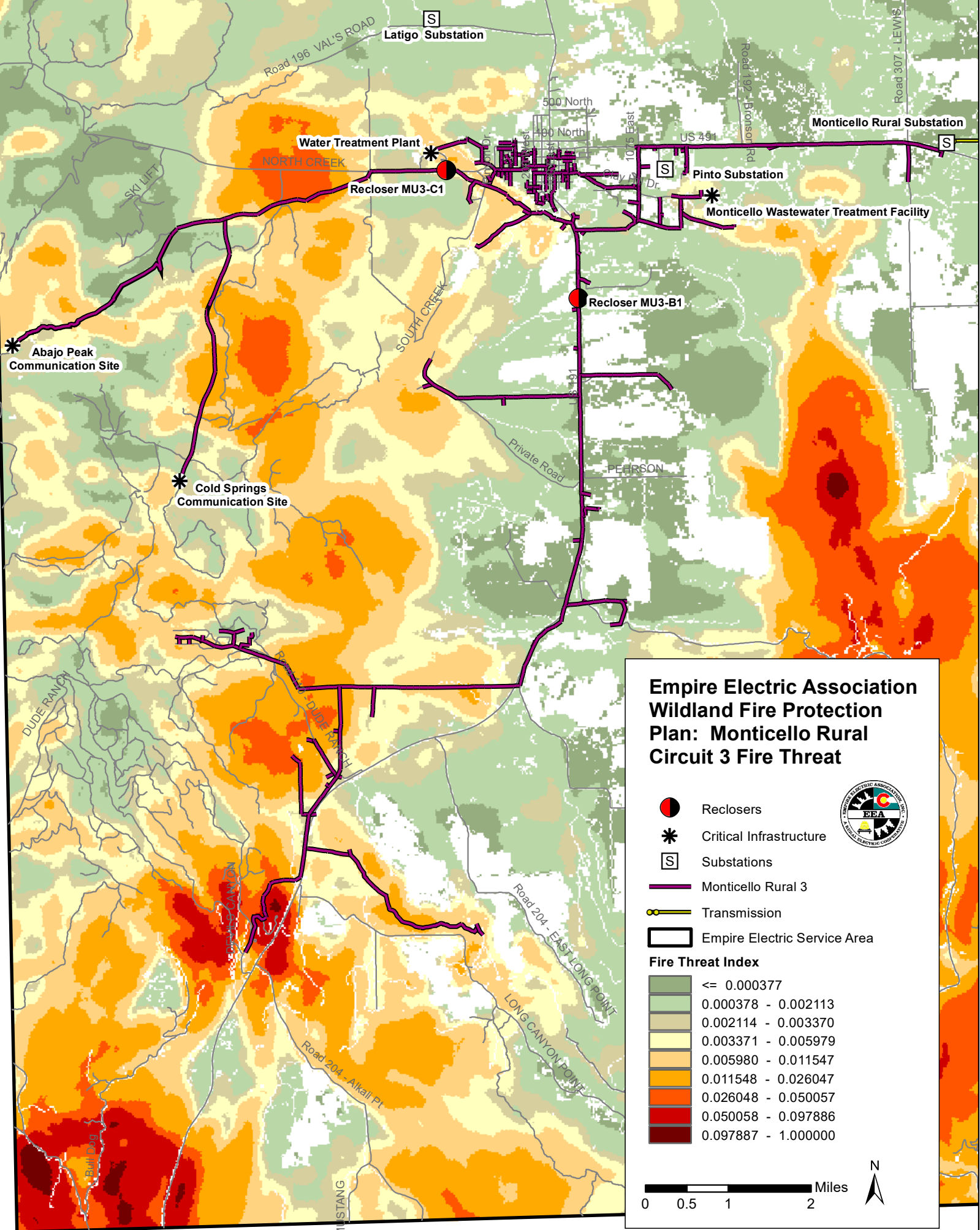
## Fire Threat Index

	<= 0.000377
	0.000378 - 0.002113
	0.002114 - 0.003370
	0.003371 - 0.005979
	0.005980 - 0.011547
	0.011548 - 0.026047
	0.026048 - 0.050057
	0.050058 - 0.097886
	0.097887 - 1.000000

0 0.25 0.5 1 Miles







**Empire Electric Association  
Wildland Fire Protection  
Plan: Monticello Rural  
Circuit 3 Fire Threat**



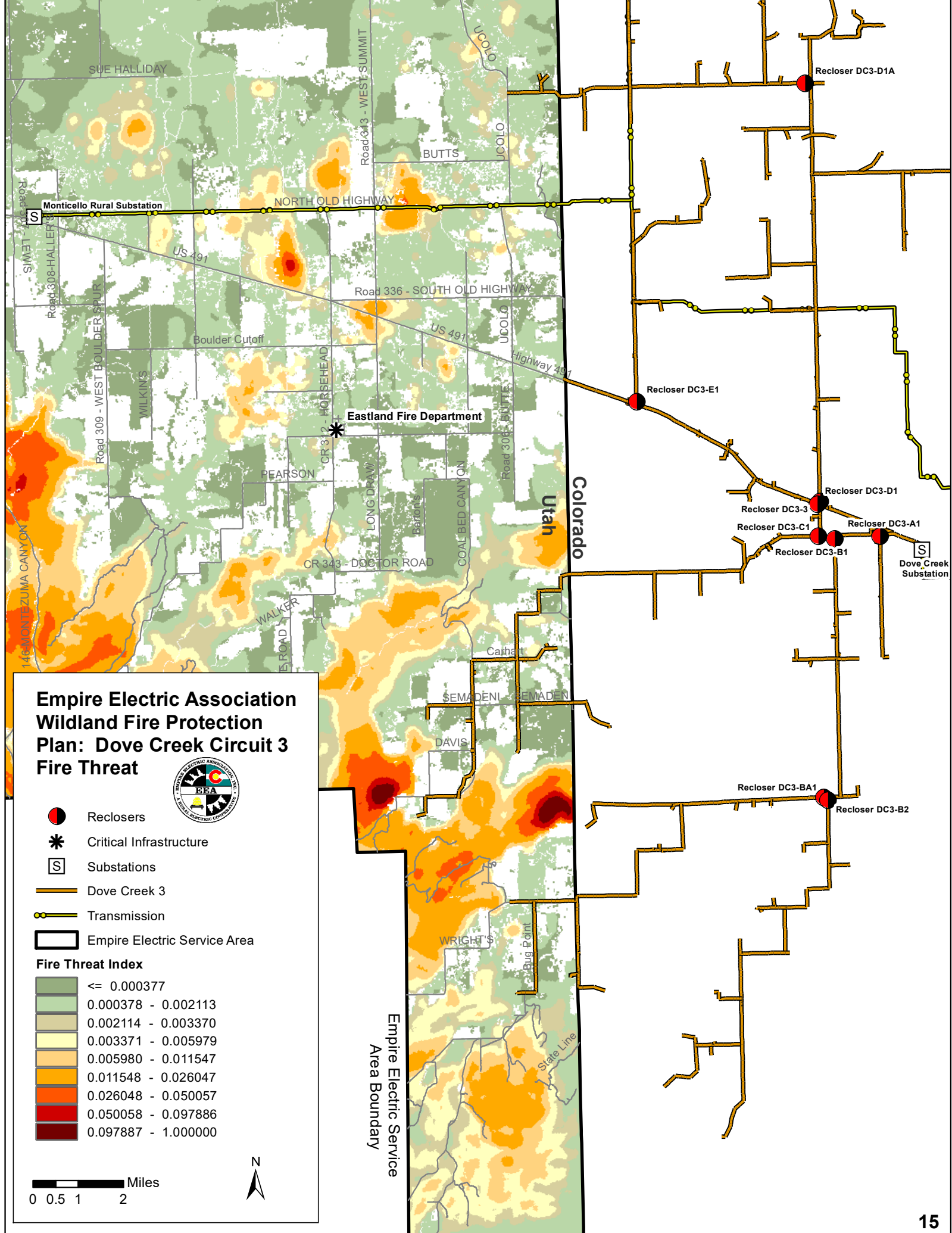
- Reclosers
- Critical Infrastructure
- Substations
- Monticello Rural 3
- Transmission
- Empire Electric Service Area

**Fire Threat Index**

	<= 0.000377
	0.000378 - 0.002113
	0.002114 - 0.003370
	0.003371 - 0.005979
	0.005980 - 0.011547
	0.011548 - 0.026047
	0.026048 - 0.050057
	0.050058 - 0.097886
	0.097887 - 1.000000



Empire Electric Service Area Boundary



**Empire Electric Association  
Wildland Fire Protection  
Plan: Dove Creek Circuit 3  
Fire Threat**



- Reclosers
- Critical Infrastructure
- Substations
- Dove Creek 3
- Transmission
- Empire Electric Service Area

**Fire Threat Index**

	$\leq 0.000377$
	0.000378 - 0.002113
	0.002114 - 0.003370
	0.003371 - 0.005979
	0.005980 - 0.011547
	0.011548 - 0.026047
	0.026048 - 0.050057
	0.050058 - 0.097886
	0.097887 - 1.000000






0 0.5 1 2 Miles














# **Empire Electric Association Wildland Fire Protection Plan: Bluedoor Circuit 3 Fire Threat**



-  Reclosers
-  Substations
-  Bluedoor 3
-  Hovenweep National Monument
-  Empire Electric Service Area

## **Fire Threat Index**

	<= 0.000377
	0.000378 - 0.002113
	0.002114 - 0.003370
	0.003371 - 0.005979
	0.005980 - 0.011547
	0.011548 - 0.026047
	0.026048 - 0.050057
	0.050058 - 0.097886
	0.097887 - 1.000000



0 0.5 1 2 Miles

