

Final Environmental Impact Statement for the Sigurd to Red Butte No. 2 345kV Transmission Project

DOI-BLM-UT-C010-2009-0048-EIS

Case File: UTU 83067



October 2012

Volume II of III
Maps

Color Country





U.S. Department of the Interior Bureau of Land Management

Final Environmental Impact Statement for the Sigurd to Red Butte No. 2 – 345kV Transmission Project

DOI-BLM-UT-C010-2009-0048-EIS
Case File: UTU 83067

Volume II of III

Color Country District
Cedar City Field Office
176 East D.L. Sargent Drive
Cedar City, Utah 84721

Cooperating Agencies

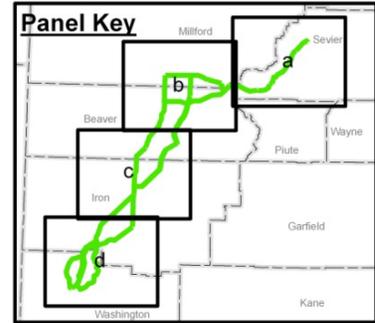
U.S. Forest Service (Dixie and Fishlake National Forests)
U.S. Army Corps of Engineers
National Park Service
Utah Governor's Public Land Policy Coordination Office
Utah School and Institutional Trust Lands Administration
Counties: Beaver, Iron, Millard, Sevier, and Washington
Communities: Enterprise and St. George

October 2012

ABOUT THE MAP VOLUME

This map volume (MV) accompanies the Final Environmental Impact Statement (EIS) for the Sigurd to Red Butte No. 2 – 345-kilvolt (kV) Transmission Project (Project), a proposed transmission line from the existing Sigurd Substation in Sevier County, Utah, to the existing Red Butte Substation in Washington County, Utah.

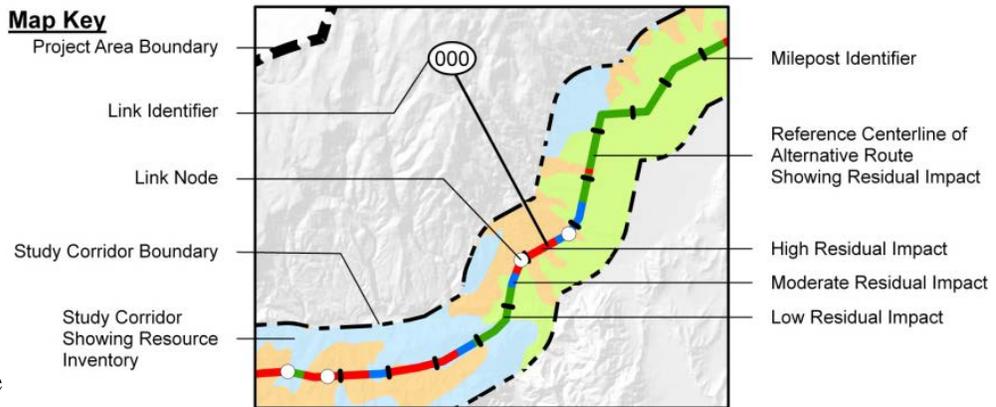
The map volume contains (1) a map showing construction access levels and (2) 15 maps showing resource inventory and impacts. Each map is divided into four panels illustrating four portions of the Project area. The north-easternmost panel (Panel a) illustrates the alternative route from Sigurd Substation to Cove Fort area. Panel b illustrates the alternative routes from the Cove Fort area to the Milford and Minersville area. Panel c illustrates the alternative routes from the Minersville area to the Antelope Range. Panel d illustrates the alternative routes from the Antelope Range to the Red Butte Substation.



Every map includes the same base information such as place and feature names, major highways and roads, and existing linear facilities (e.g., transmission lines and pipelines). Each map also includes certain basic Project information such as the alternative routes and substations.

The alternative routes are delineated on the maps and show the reference centerline, centered in the route corridor. Each route is divided into distinct segments referred to as links, which are numbered generally from northeast to southwest. It should be noted data are documented in a geographic information system (GIS) for every tenth mile and often reported in tables supporting the text in the EIS in tenths of a mile. However, for legibility, each link is marked on the maps at every mile; the markers are referred to as mileposts.

The width of the study corridor inventoried varies depending on the resource being addressed. Earth, water, biological, paleontological, and land use and recreation resources were inventoried within a 2-mile-wide study corridor (1 mile



on either side of the reference centerline). Cultural resources were inventoried within a 4-mile-wide study corridor (2 miles on either side of the reference centerline). Visual resources were inventoried within a 6-mile-wide study corridor (3 miles on either side of the reference centerline). The inventoried baseline data are shown in the study corridor and impacts are shown along the reference centerline.

Each map consolidates and illustrates a variety of different information, and each legend explains the information unique to each map.

List of Maps

MV-1	Construction Access Levels
MV-2	Geological Hazards Inventory and Impacts
MV-3	Mineral Resources Inventory and Impacts
MV-4	Soil Resources Inventory and Impacts
MV-5	Water Resources Inventory and Impacts
MV-6	Vegetation Inventory and Impacts
MV-7	Sensitive Habitats Inventory and Impacts
MV-8	Crucial Big Game Inventory and Impacts
MV-9	Paleontological Resources Inventory and Sensitivity
MV-10	Landscape Scenery Inventory and Impacts
MV-11	Moderate Sensitivity Viewers Inventory and Impacts
MV-12	High Sensitivity Viewers Inventory and Impacts
MV-13	Visual Resource Management Objectives Inventory and Consistency
MV-14	Existing Land Use Inventory and Impacts
MV-15	Future Land Use Inventory and Impacts
MV-16	Recreation Resources Inventory and Impacts

Access Levels

MAP MV - 1a CONSTRUCTION ACCESS LEVELS

CONSTRUCTION ACCESS LEVELS

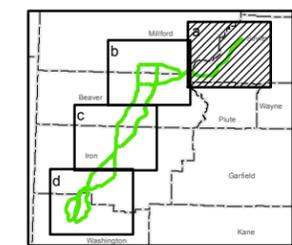
- 1 - Use existing roads
- 2 - Improve existing roads
- 3 - Construct new access, flat to rolling terrain (0 to 8 percent slope)
- 4 - Construct new access, rolling terrain (8 to 15 percent slope)
- 5 - Construct new access, steep terrain (greater than 15 percent slope)

GENERAL REFERENCE FEATURES

- | | |
|--------------------------------|------------------------------|
| Project Study Area | County Boundary |
| Link Number | U.S. Forest Service Boundary |
| Mile Tick | Township Line |
| Centerline | Interstate Highway |
| Link Node | U.S. Highway |
| Power Plant | State Highway |
| Substation | Railroad |
| 500kV +/- DC Transmission Line | Airport |
| 345kV Transmission Line | River or Stream |
| 230 to 287kV Transmission Line | Lake or Reservoir |
| 138 to 161kV Transmission Line | |
| Pipeline | |

SOURCES:

Resource Data:
Access Level: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 1b CONSTRUCTION ACCESS LEVELS

CONSTRUCTION ACCESS LEVELS

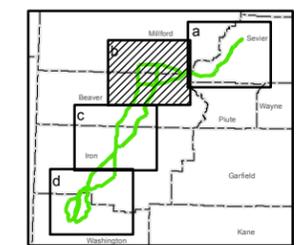
-  1 - Use existing roads
-  2 - Improve existing roads
-  3 - Construct new access, flat to rolling terrain (0 to 8 percent slope)
-  4 - Construct new access, rolling terrain (8 to 15 percent slope)
-  5 - Construct new access, steep terrain (greater than 15 percent slope)

GENERAL REFERENCE FEATURES

- | | |
|--|--|
|  Project Study Area |  County Boundary |
|  Link Number |  U.S. Forest Service Boundary |
|  Mile Tick |  Township Line |
|  Centerline |  Interstate Highway |
|  Link Node |  U.S. Highway |
|  Power Plant |  State Highway |
|  Substation |  Railroad |
|  500kV +/- DC Transmission Line |  Airport |
|  345kV Transmission Line |  River or Stream |
|  230 to 287kV Transmission Line |  Lake or Reservoir |
|  138 to 161kV Transmission Line | |
|  Pipeline | |

SOURCES:

Resource Data:
Access Level: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 1c CONSTRUCTION ACCESS LEVELS

CONSTRUCTION ACCESS LEVELS

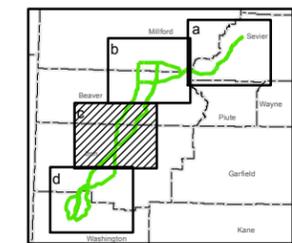
- 1 - Use existing roads
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- 3 - Construct new access, flat to rolling terrain (0 to 8 percent slope)
- 4 - Construct new access, rolling terrain (8 to 15 percent slope)
- 5 - Construct new access, steep terrain (greater than 15 percent slope)

GENERAL REFERENCE FEATURES

- | | |
|--------------------------------|------------------------------|
| Project Study Area | County Boundary |
| Link Number | U.S. Forest Service Boundary |
| Centerline | Township Line |
| Mile Tick | Interstate Highway |
| Link Node | U.S. Highway |
| Power Plant | State Highway |
| Substation | Railroad |
| 500kV +/- DC Transmission Line | Airport |
| 345kV Transmission Line | River or Stream |
| 230 to 287kV Transmission Line | Lake or Reservoir |
| 138 to 161kV Transmission Line | |
| Pipeline | |

SOURCES:

Resource Data:
Access Level: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 1d CONSTRUCTION ACCESS LEVELS

CONSTRUCTION ACCESS LEVELS

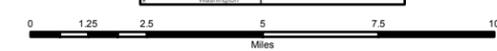
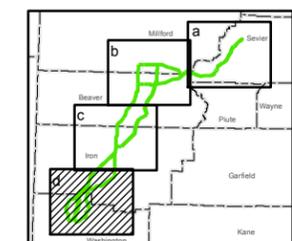
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- 4 - Construct new access, rolling terrain (8 to 15 percent slope)
- 5 - Construct new access, steep terrain (greater than 15 percent slope)

GENERAL REFERENCE FEATURES

- | | |
|--------------------------------|------------------------------|
| Project Study Area | County Boundary |
| Link Number | U.S. Forest Service Boundary |
| Mile Tick | Township Line |
| Centerline | Interstate Highway |
| Link Node | U.S. Highway |
| Power Plant | State Highway |
| Substation | Railroad |
| 500kV +/- DC Transmission Line | Airport |
| 345kV Transmission Line | River or Stream |
| 230 to 287kV Transmission Line | Lake or Reservoir |
| 138 to 161kV Transmission Line | |
| Pipeline | |

SOURCES:

Resource Data:
Access Level: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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Earth Resources

MAP MV - 2a GEOLOGIC HAZARDS INVENTORY AND IMPACTS

RESOURCE INVENTORY

FAULTS

— Quaternary Fault

EARTHQUAKE EPICENTERS

● Earthquake Epicenters

LANDSLIDE SUSCEPTIBILITY

Low
Moderate
High

IMPACT LEVELS

High
Moderate
Low
Not Identifiable

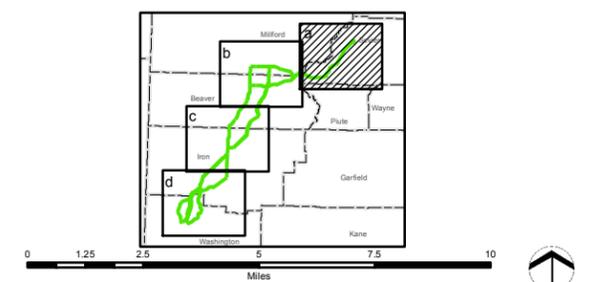
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Quaternary Faults: USGS, 2003
Earthquake Epicenters: USGS, 2000
Landslide Susceptibility: USGS, 2007
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008; U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 2b GEOLOGIC HAZARDS INVENTORY AND IMPACTS

RESOURCE INVENTORY

FAULTS

— Quaternary Fault

EARTHQUAKE EPICENTERS

● Earthquake Epicenters

LANDSLIDE SUSCEPTIBILITY

■ Low
■ Moderate
■ High

IMPACT LEVELS

▲ High
▲ Moderate
▲ Low
▲ Not Identifiable

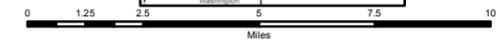
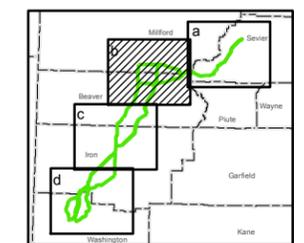
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- ▭ Project Study Area
- ▭ Study Corridor
- Link Number
- ← Mile Tick
- Centerline
- Link Node
- Power Plant
- △ Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- ▭ County Boundary
- ▭ U.S. Forest Service Boundary
- ▭ Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- ✈ Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Quaternary Faults: USGS, 2003
 Earthquake Epicenters: USGS, 2000
 Landslide Susceptibility: USGS, 2007
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 2c
GEOLOGIC HAZARDS
INVENTORY AND IMPACTS

RESOURCE INVENTORY

FAULTS

Quaternary Fault

EARTHQUAKE EPICENTERS

Earthquake Epicenters

LANDSLIDE SUSCEPTIBILITY

Low
Moderate
High

IMPACT LEVELS

High
Moderate
Low
Not Identifiable

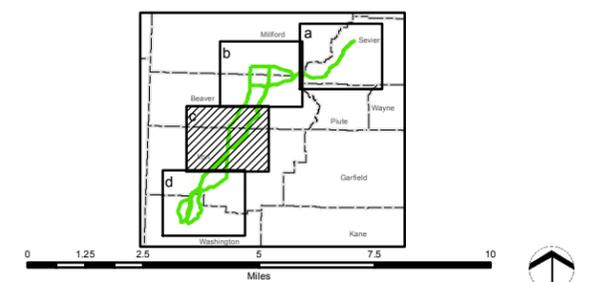
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

Project Study Area
Study Corridor
Link Number
Mile Tick
Centerline
Link Node
Power Plant
Substation
500kV +/- DC Transmission Line
345kV Transmission Line
230 to 287kV Transmission Line
138 to 161kV Transmission Line
Pipeline
County Boundary
U.S. Forest Service Boundary
Township Line
Interstate Highway
U.S. Highway
State Highway
Railroad
Airport
River or Stream
Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Quaternary Faults: USGS, 2003
Earthquake Epicenters: USGS, 2000
Landslide Susceptibility: UGS, 2007
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 2d GEOLOGIC HAZARDS INVENTORY AND IMPACTS

RESOURCE INVENTORY

FAULTS

— Quaternary Fault

EARTHQUAKE EPICENTERS

● Earthquake Epicenters

LANDSLIDE SUSCEPTIBILITY

■ Low
■ Moderate
■ High

IMPACT LEVELS

▲ High
▲ Moderate
▲ Low
▲ Not Identifiable

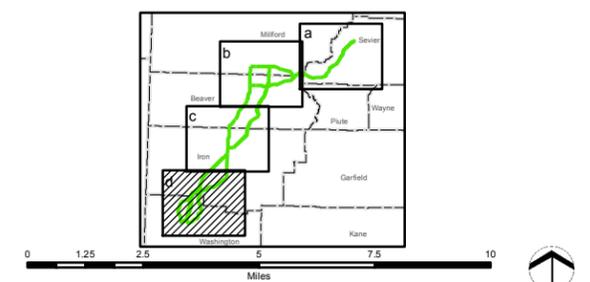
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

Project Study Area
 Study Corridor
 Link Number
 Mile Tick
 Centerline
 Link Node
 Power Plant
 Substation
 500kV +/- DC Transmission Line
 345kV Transmission Line
 230 to 287kV Transmission Line
 138 to 161kV Transmission Line
 Pipeline
 County Boundary
 U.S. Forest Service Boundary
 Township Line
 Interstate Highway
 U.S. Highway
 State Highway
 Railroad
 Airport
 River or Stream
 Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Quaternary Faults: USGS, 2003
 Earthquake Epicenters: USGS, 2000
 Landslide Susceptibility: USGS, 2007
Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 3a MINERAL RESOURCES INVENTORY AND IMPACTS

RESOURCE INVENTORY

MINERAL RESOURCES

- High Mineral Resources**
- Oil Gas Wells, Minerals, CRIB Mineral Locations, Active Mining Claims

- Moderate Mineral Resources**
- Geothermal, Oil Gas Leases Authorized, Geothermal Agreements Authorized, Geothermal Leases Producing, Oil Gas Leases Authorized

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Geothermal Resources: UGS, 1999
Oil and Gas Wells: Utah Department of Natural Resources, Oil, Gas, and Mining Division, 2009
Mineral Locations: UGS, 1998; Commodity Resource Information Board, 2001
Geothermal Leases (Suiherdale): Fishlake National Forest, 2010; Oil and Gas Leases: BLM, 2010
Federal Active Mining Claims: BLM, 2009; Federal Oil and Gas Leases: BLM, 2006

Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008; U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 3b
MINERAL RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

MINERAL RESOURCES

High Mineral Resources

- Oil Gas Wells, Minerals, CRIB Mineral Locations, Active Mining Claims

Moderate Mineral Resources

- Geothermal, Oil Gas Leases
- Authorized, Geothermal Agreements Authorized, Geothermal Leases Producing, Oil Gas Leases Authorized

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

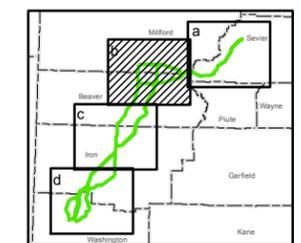
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Geothermal Resources: UGS, 1999
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Mineral Locations: UGS, 1998; Commodity Resource Information Board, 2001
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Federal Active Mining Claims: BLM, 2009; Federal Oil and Gas Leases: BLM, 2006
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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345kV TRANSMISSION PROJECT**



MAP MV - 3c
MINERAL RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

MINERAL RESOURCES

High Mineral Resources

- Oil Gas Wells, Minerals, CRIB Mineral Locations, Active Mining Claims

Moderate Mineral Resources

- Geothermal, Oil Gas Leases Authorized, Geothermal Agreements Authorized, Geothermal Leases Producing, Oil Gas Leases Authorized

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

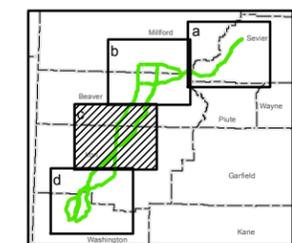
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GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
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Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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345kV TRANSMISSION PROJECT**



MAP MV - 3d MINERAL RESOURCES INVENTORY AND IMPACTS

RESOURCE INVENTORY

MINERAL RESOURCES

High Mineral Resources

-  Oil Gas Wells, Minerals, CRIB Mineral Locations, Active Mining Claims

Moderate Mineral Resources

-  Geothermal, Oil Gas Leases
-  Authorized, Geothermal Agreements Authorized, Geothermal Leases Producing, Oil Gas Leases Authorized

IMPACT LEVELS

-  High
-  Moderate
-  Low
-  Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

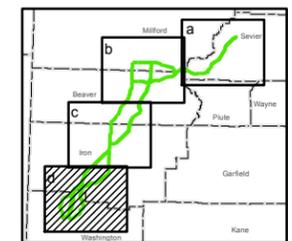
GENERAL REFERENCE FEATURES

-  Project Study Area
-  Study Corridor
-  Link Number
-  Mile Tick
-  Centerline
-  Link Node
-  Power Plant
-  Substation
-  500kV +/- DC Transmission Line
-  345kV Transmission Line
-  230 to 287kV Transmission Line
-  138 to 161kV Transmission Line
-  Pipeline
-  County Boundary
-  U.S. Forest Service Boundary
-  Township Line
-  Interstate Highway
-  U.S. Highway
-  State Highway
-  Railroad
-  Airport
-  River or Stream
-  Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Geothermal Resources: USGS, 1999
Oil and Gas Wells: Utah Department of Natural Resources, Oil, Gas, and Mining Division, 2009
Mineral Locations: USGS, 1998; Commodity Resource Information Board, 2001
Geothermal Leases (Suiherdale): Fishlake National Forest, 2010; Oil and Gas Leases: BLM, 2010
Federal Active Mining Claims: BLM, 2009; Federal Oil and Gas Leases: BLM, 2006

Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 4a SOIL RESOURCES INVENTORY AND IMPACTS

RESOURCE INVENTORY

SOIL CHARACTERISTICS

- Prime Farmland
- Not Prime Farmland
- High Water/High Wind Erosion Susceptibility
- High Water/Low Wind Erosion Susceptibility
- Moderate Water/Moderate Wind Erosion Susceptibility
- Moderate Water/Low Wind Erosion Susceptibility
- Low Water/High Wind Erosion Susceptibility
- Low Water/Low Wind Erosion Susceptibility
- No Water/High Wind Erosion Susceptibility
- No Water/Low Wind Erosion Susceptibility

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

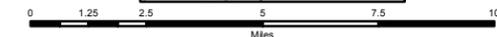
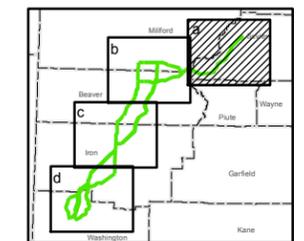
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Soils: SSURGO and STATSGO, NRCS, 2006, and USFS, 2001
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 4b
SOIL RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SOIL CHARACTERISTICS

- Prime Farmland
- Not Prime Farmland
- High Water/High Wind Erosion Susceptibility
- High Water/Low Wind Erosion Susceptibility
- Moderate Water/Moderate Wind Erosion Susceptibility
- Moderate Water/Low Wind Erosion Susceptibility
- Low Water/High Wind Erosion Susceptibility
- Low Water/Low Wind Erosion Susceptibility
- No Water/High Wind Erosion Susceptibility
- No Water/Low Wind Erosion Susceptibility

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

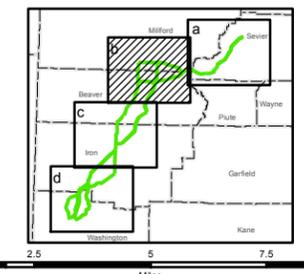
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Soils: SSURGO and STATSGO, NRCS, 2006, and USFS, 2001
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 4c
SOIL RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SOIL CHARACTERISTICS

- Prime Farmland
- Not Prime Farmland
- High Water/High Wind Erosion Susceptibility
- High Water/Low Wind Erosion Susceptibility
- Moderate Water/Moderate Wind Erosion Susceptibility
- Moderate Water/Low Wind Erosion Susceptibility
- Low Water/High Wind Erosion Susceptibility
- Low Water/Low Wind Erosion Susceptibility
- No Water/High Wind Erosion Susceptibility
- No Water/Low Wind Erosion Susceptibility

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

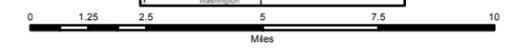
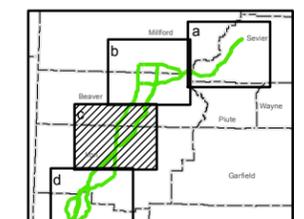
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

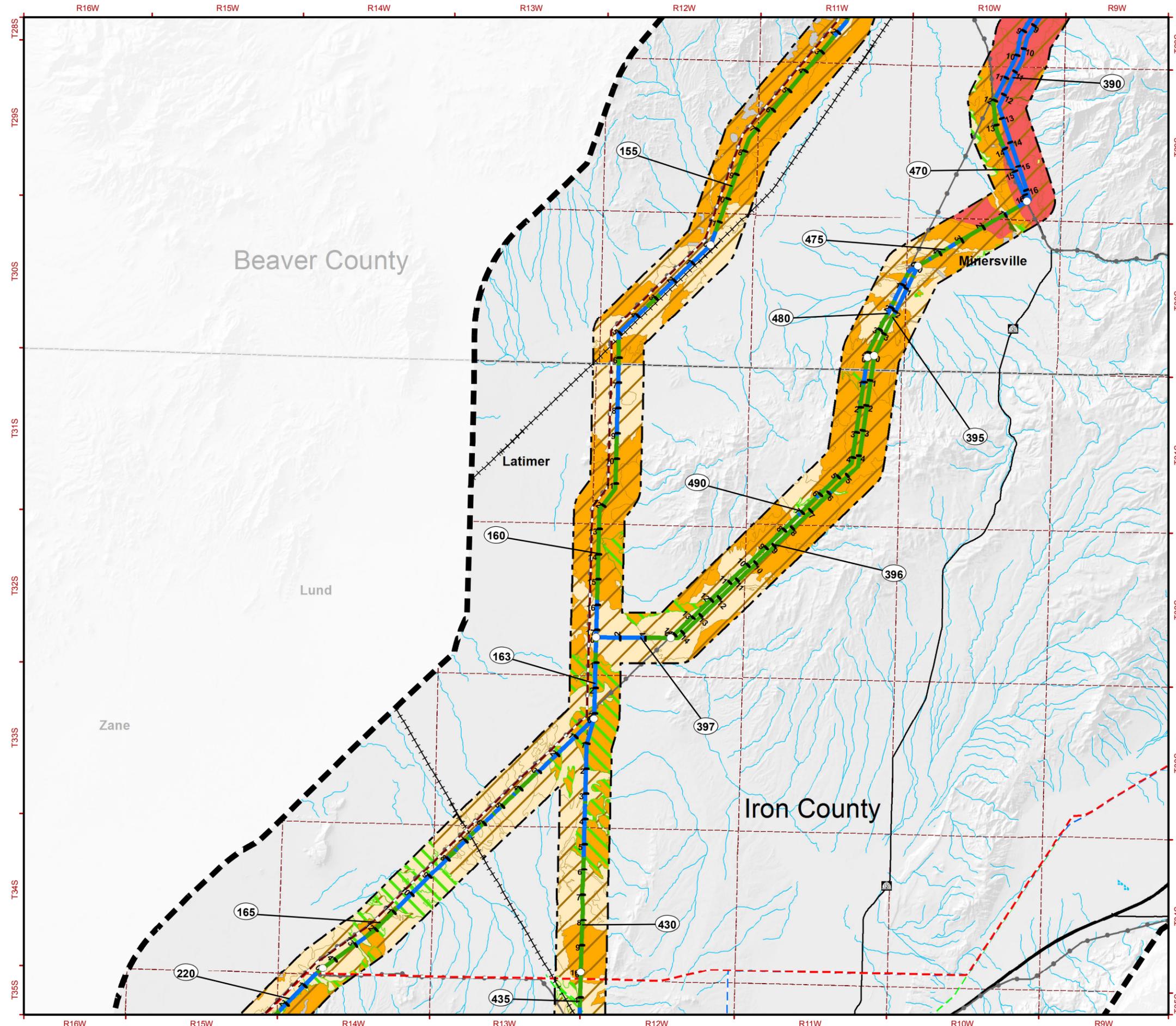
Resource Data:
Impact: EPG, 2010
Soils: SSURGO and STATSGO, NRCS, 2006, and USFS, 2001
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 4d
SOIL RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SOIL CHARACTERISTICS

- Prime Farmland
- Not Prime Farmland
- High Water/High Wind Erosion Susceptibility
- High Water/Low Wind Erosion Susceptibility
- Moderate Water/Moderate Wind Erosion Susceptibility
- Moderate Water/Low Wind Erosion Susceptibility
- Low Water/High Wind Erosion Susceptibility
- Low Water/Low Wind Erosion Susceptibility
- No Water/High Wind Erosion Susceptibility
- No Water/Low Wind Erosion Susceptibility

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

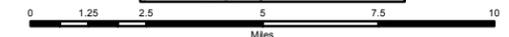
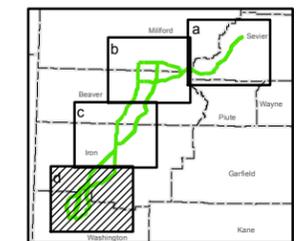
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Soils: SSURGO and STATSGO, NRCS, 2006, and USFS, 2001
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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Water Resources

MAP MV - 5a WATER RESOURCES INVENTORY AND IMPACTS

RESOURCE INVENTORY

WATER FEATURES

- Spring
- Well

SHALLOW GROUNDWATER

- 0 Meters
- 10 Meters
- 30 Meters

WATER FEATURES

- River or Stream
- Lake or Reservoir

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

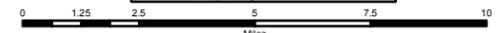
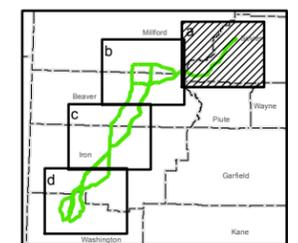
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- ▭ Project Study Area
- ▭ Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- △ Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- ▭ County Boundary
- ▭ U.S. Forest Service Boundary
- ▭ Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- ✈ Airport

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Spring: USGS, UGS, 2010; AGRC, 2009
 Groundwater: AGRC, 2009
 Water, River, Stream: USGS, 2008
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 5b
WATER RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

WATER FEATURES

- Spring
- Well

SHALLOW GROUNDWATER

- 0 Meters
- 10 Meters
- 30 Meters

WATER FEATURES

- River or Stream
- Lake or Reservoir

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

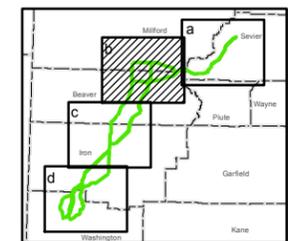
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Spring: USGS, UGS, 2010; AGRC, 2009
Groundwater: AGRC, 2009
Water, River, Stream: USGS, 2008
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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345kV TRANSMISSION PROJECT



MAP MV - 5c
WATER RESOURCES
INVENTORY AND IMPACTS

RESOURCE INVENTORY

WATER FEATURES

- Spring
- Well

SHALLOW GROUNDWATER

- 0 Meters
- 10 Meters
- 30 Meters

WATER FEATURES

- River or Stream
- Lake or Reservoir

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

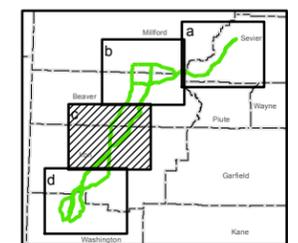
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Spring: USGS, UGS, 2010; AGRC, 2009
Groundwater: AGRC, 2009
Water, River, Stream: USGS, 2008
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 5d WATER RESOURCES INVENTORY AND IMPACTS

RESOURCE INVENTORY

WATER FEATURES

- Spring
- Well

SHALLOW GROUNDWATER

- 0 Meters
- 10 Meters
- 30 Meters

WATER FEATURES

- River or Stream
- Lake or Reservoir

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

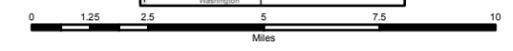
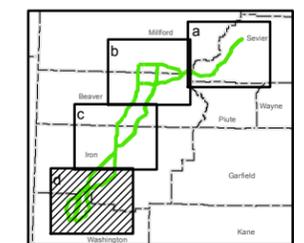
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Spring: USGS, UGS, 2010; AGRC, 2009
 Groundwater: AGRC, 2009
 Water, River, Stream: USGS, 2008
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
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Biological Resources

MAP MV - 6a VEGETATION INVENTORY AND IMPACTS

LEGEND

GAP CLASSES

- Agriculture
- Alpine
- Aspen
- Barren/Sparsely Vegetated
- Big Sagebrush
- Bigtooth Maple
- Desert Shrub
- Disturbed
- Grassland
- Invasive
- Mixed Conifer
- Mountain Shrub
- Noxious
- Pinyon-juniper
- Ponderosa Pine
- Riparian
- Shrub Steppe
- Water
- Wetland
- Wildfire Impacted Areas/Reseeded through
Emergency Stabilization and Rehabilitation Efforts

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

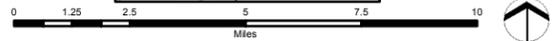
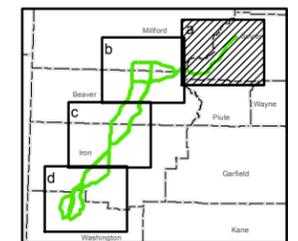
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour
(500-Meter Interval)
- Index Contour
(100-Meter Interval)

SOURCES:

Resource Data:
 Impact: EPG, 2010
 GAP: USU, 2004
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008; BLM Field Office Boundary: BLM, 2006
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008;
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MAP MV - 6b VEGETATION INVENTORY AND IMPACTS

LEGEND

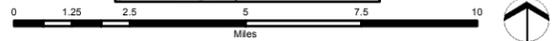
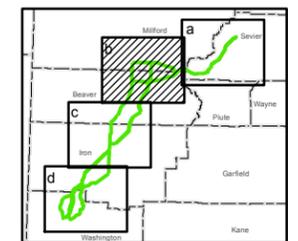
- GAP CLASSES**
- Agriculture
 - Alpine
 - Aspen
 - Barren/Sparsely Vegetated
 - Big Sagebrush
 - Bigtooth Maple
 - Desert Shrub
 - Disturbed
 - Grassland
 - Invasive
 - Mixed Conifer
 - Mountain Shrub
 - Noxious
 - Pinyon-juniper
 - Ponderosa Pine
 - Riparian
 - Shrub Steppe
 - Water
 - Wetland
 - Wildfire Impacted Areas/Reseeded through Emergency Stabilization and Rehabilitation Efforts
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:

Resource Data:
 Impact: EPG, 2010
 GAP: USU, 2004
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008; BLM Field Office Boundary: BLM, 2006
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008;
 POWERmap, powermap.platts.com
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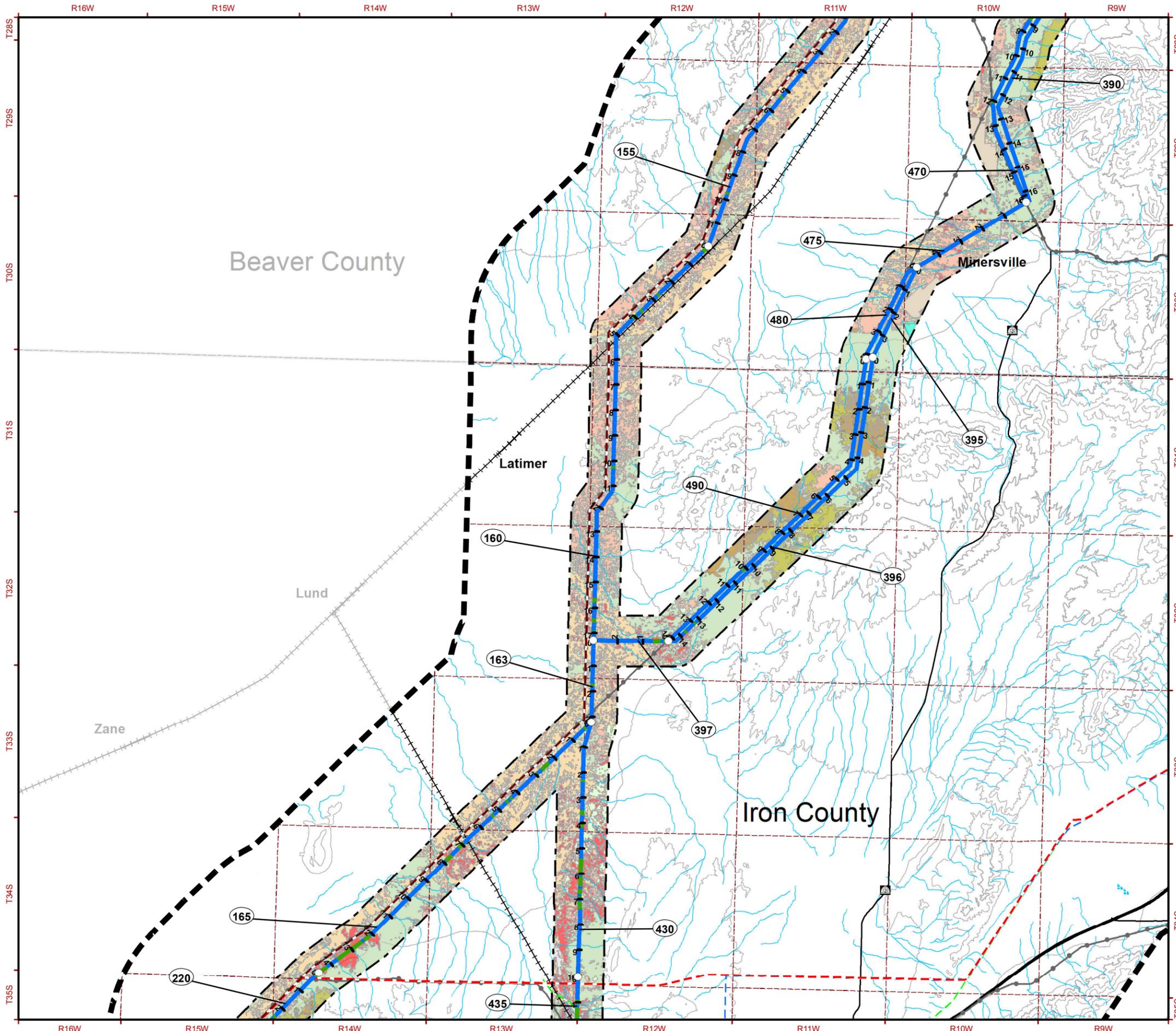


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MAP MV - 6c VEGETATION INVENTORY AND IMPACTS

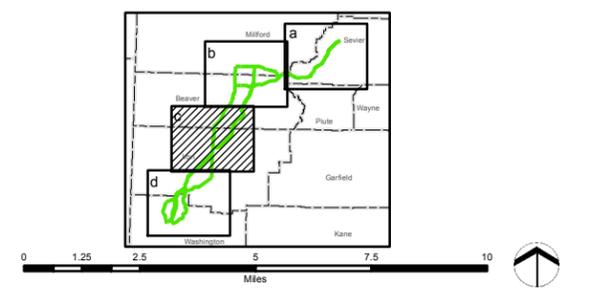


- LEGEND**
- GAP CLASSES**
- Agriculture
 - Alpine
 - Aspen
 - Barren/Sparsely Vegetated
 - Big Sagebrush
 - Bigtooth Maple
 - Desert Shrub
 - Disturbed
 - Grassland
 - Invasive
 - Mixed Conifer
 - Mountain Shrub
 - Noxious
 - Pinyon-juniper
 - Ponderosa Pine
 - Riparian
 - Shrub Steppe
 - Water
 - Wetland
 - Wildfire Impacted Areas/Reseeded through Emergency Stabilization and Rehabilitation Efforts
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport
 - River or Stream
 - Lake or Reservoir
 - Index Contour (500-Meter Interval)
 - Index Contour (100-Meter Interval)

SOURCES:
 Resource Data:
 Impact: EPG, 2010
 GAP: USU, 2004
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008; BLM Field Office Boundary: BLM, 2006
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008;
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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



MAP MV - 6d VEGETATION INVENTORY AND IMPACTS

LEGEND

GAP CLASSES

- Agriculture
- Alpine
- Aspen
- Barren/Sparsely Vegetated
- Big Sagebrush
- Bigtooth Maple
- Desert Shrub
- Disturbed
- Grassland
- Invasive
- Mixed Conifer
- Mountain Shrub
- Noxious
- Pinyon-juniper
- Ponderosa Pine
- Riparian
- Shrub Steppe
- Water
- Wetland
- Wildfire Impacted Areas/Reseeded through
Emergency Stabilization and Rehabilitation Efforts

IMPACT LEVELS

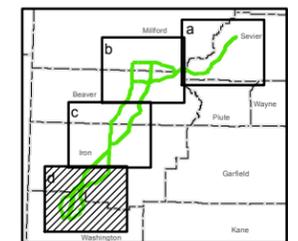
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour
(500-Meter Interval)
- Index Contour
(100-Meter Interval)

SOURCES:

Resource Data:
 Impact: EPG, 2010
 GAP: USU, 2004
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008; BLM Field Office Boundary: BLM, 2006
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008;
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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



MAP MV - 7a SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT

Potential Habitat

SAGE-GROUSE HABITAT

Crucial Brood-rearing Habitat

Crucial Winter Habitat

SENSITIVE PLANT HABITAT

Elsinore buckwheat, Ward's beardtongue, Utah phacelia

Pinyon penstemon

RAPTOR HABITAT

High Quality

Medium Quality

Low Quality

IMPACT LEVELS

High

Moderate

Low

Not Identifiable

Note: Impact levels shown are derived from sensitive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

GENERAL REFERENCE FEATURES

Project Study Area

Study Corridor

Link Number

Mile Tick

Centerline

Link Node

Power Plant

Substation

500kV +/- DC Transmission Line

345kV Transmission Line

230 to 287kV Transmission Line

138 to 161kV Transmission Line

Pipeline

County Boundary

U.S. Forest Service Boundary

Township Line

Interstate Highway

U.S. Highway

State Highway

Railroad

Airport

River or Stream

Lake or Reservoir

Index Contour (500-Meter Interval)

Index Contour (100-Meter Interval)

SOURCES:

Resource Data:

Impact: EPG, 2010

Sage-Grouse Habitat: UDWR, 2011

Pygmy Rabbit: EPG, 2011; Sensitive Plants: EPG, 2010

Raptor: UDWR, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008

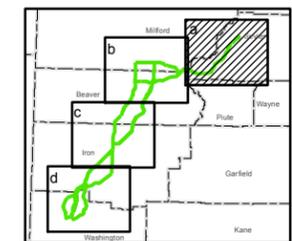
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation

Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006

Water, River, Stream: USGS, 2008

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MAP MV - 7b SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT

Potential Habitat

SAGE-GROUSE HABITAT

Crucial Brood-rearing Habitat

Crucial Winter Habitat

SENSITIVE PLANT HABITAT

Elsinore buckwheat, Ward's beardtongue, Utah phacelia

Pinyon penstemon

RAPTOR HABITAT

High Quality

Medium Quality

Low Quality

IMPACT LEVELS

High

Moderate

Low

Not Identifiable

Note: Impact levels shown are derived from sensitive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

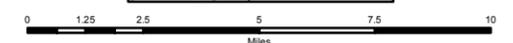
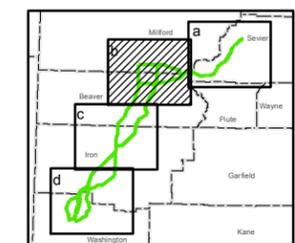
Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Sage-Grouse Habitat: UDWR, 2011
 Pygmy Rabbit: EPG, 2011; Sensitive Plants: EPG, 2010
 Raptor: UDWR, 2010
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Water, River, Stream: USGS, 2008
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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



MAP MV - 7c SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT

Potential Habitat

SAGE-GROUSE HABITAT

Crucial Brood-rearing Habitat

Crucial Winter Habitat

SENSITIVE PLANT HABITAT

Elsinore buckwheat, Ward's beardtongue, Utah phacelia

Pinyon penstemon

RAPTOR HABITAT

High Quality

Medium Quality

Low Quality

IMPACT LEVELS

High

Moderate

Low

Not Identifiable

Note: Impact levels shown are derived from sensitive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

GENERAL REFERENCE FEATURES

Project Study Area

Study Corridor

Link Number

Mile Tick

Centerline

Link Node

Power Plant

Substation

500kV +/- DC Transmission Line

345kV Transmission Line

230 to 287kV Transmission Line

138 to 161kV Transmission Line

Pipeline

County Boundary

U.S. Forest Service Boundary

Township Line

Interstate Highway

U.S. Highway

State Highway

Railroad

Airport

River or Stream

Lake or Reservoir

Index Contour (500-Meter Interval)

Index Contour (100-Meter Interval)

SOURCES:

Resource Data:

Impact: EPG, 2010

Sage-Grouse Habitat: UDWR, 2011

Pygmy Rabbit: EPG, 2011; Sensitive Plants: EPG, 2010

Raptor: UDWR, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008

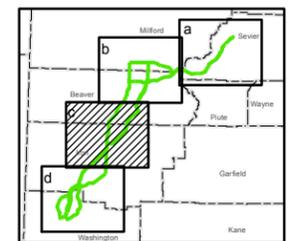
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation

Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006

Water, River, Stream: USGS, 2008

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MAP MV - 7d SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT

Potential Habitat

SAGE-GROUSE HABITAT

Crucial Brood-rearing Habitat

Crucial Winter Habitat

SENSITIVE PLANT HABITAT

Elsinore buckwheat, Ward's beardtongue, Utah phacelia

Pinyon penstemon

RAPTOR HABITAT

High Quality

Medium Quality

Low Quality

IMPACT LEVELS

High

Moderate

Low

Not Identifiable

Note: Impact levels shown are derived from sensitive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

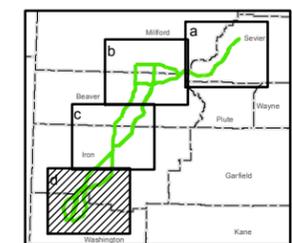
Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:

Resource Data:
Impact: EPG, 2010
Sage-Grouse Habitat: UDWR, 2011
Pygmy Rabbit: EPG, 2011; Sensitive Plants: EPG, 2010
Raptor: UDWR, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Water, River, Stream: USGS, 2008
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MAP MV - 8a CRUCIAL BIG GAME INVENTORY AND IMPACTS

RESOURCE INVENTORY

PRONGHORN HABITAT
(prho20100429)

Year-long

MULE DEER HABITAT
(mude20080324)

Summer
Winter

ELK HABITAT
(rmelk20080324)

Winter

IMPACT LEVELS

High
Moderate
Low
Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

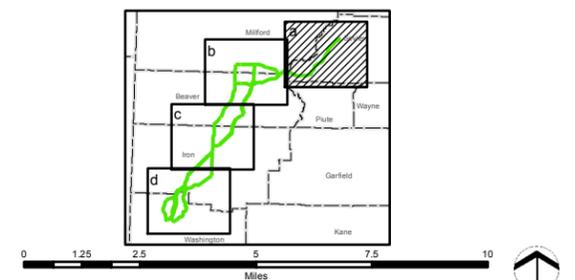
SOURCES:

Resource Data:

Impact: EPG, 2010
Elk, Mule Deer: State of Utah, 2008
Pronghorn: State of Utah, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 8b CRUCIAL BIG GAME INVENTORY AND IMPACTS

RESOURCE INVENTORY

PRONGHORN HABITAT
(prho20100429)

Year-long

MULE DEER HABITAT
(mude20080324)

Summer

Winter

ELK HABITAT
(rme1k20080324)

Winter

IMPACT LEVELS

- ▬ High
- ▬ Moderate
- ▬ Low
- ▬ Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

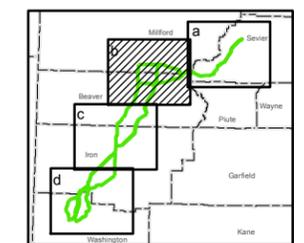
SOURCES:

Resource Data:

Impact: EPG, 2010
Elk, Mule Deer: State of Utah, 2008
Pronghorn: State of Utah, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 8c
CRUCIAL BIG GAME
INVENTORY AND IMPACTS

RESOURCE INVENTORY

PRONGHORN HABITAT
(prho20100429)
Year-long

MULE DEER HABITAT
(mude20080324)
Summer
Winter

ELK HABITAT
(rme1k20080324)
Winter

IMPACT LEVELS

High
Moderate
Low
Not Identifiable

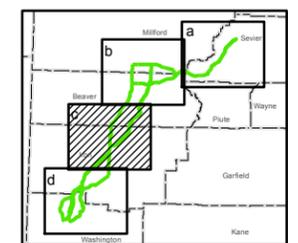
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

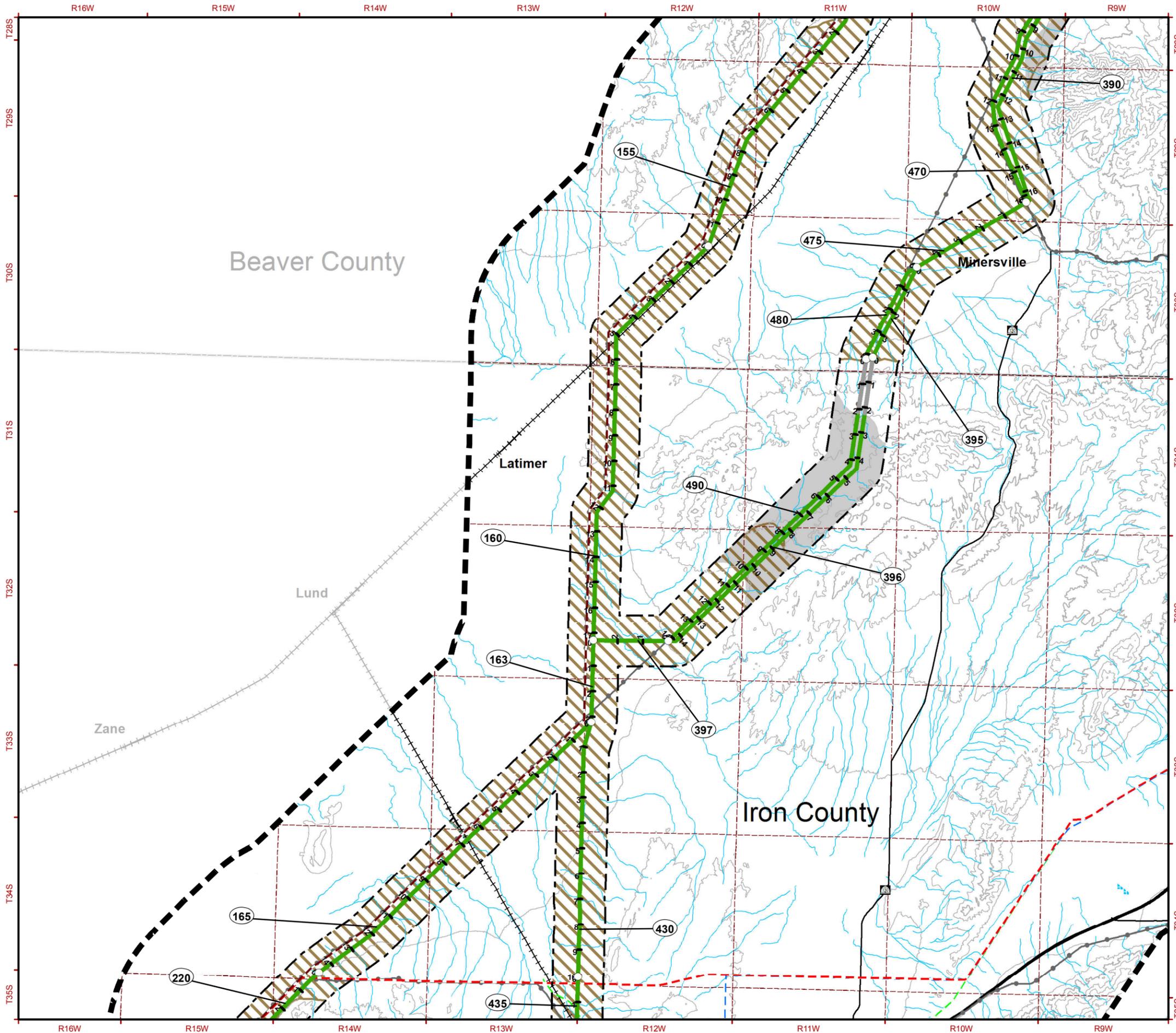
SOURCES:

Resource Data:
Impact: EPG, 2010
Elk, Mule Deer: State of Utah, 2008
Pronghorn: State of Utah, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT



MAP MV - 8d
CRUCIAL BIG GAME
INVENTORY AND IMPACTS

RESOURCE INVENTORY

PRONGHORN HABITAT
(prho20100429)
Year-long

MULE DEER HABITAT
(mude20080324)
Summer
Winter

ELK HABITAT
(rmelk20080324)
Winter

IMPACT LEVELS

High
Moderate
Low
Not Identifiable

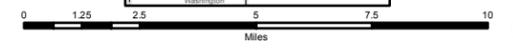
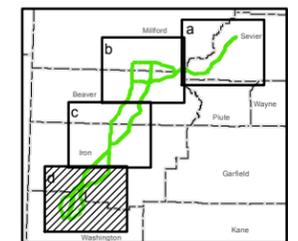
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:

Resource Data:
Impact: EPG, 2010
Elk, Mule Deer: State of Utah, 2008
Pronghorn: State of Utah, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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345KV TRANSMISSION PROJECT



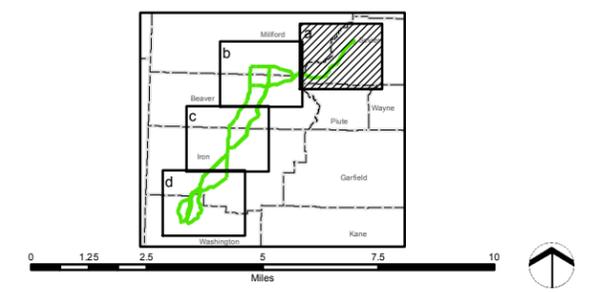
Paleontological Resources

MAP MV - 9a PALEONTOLOGICAL RESOURCES INVENTORY AND SENSITIVITY

RESOURCE INVENTORY		IMPACT LEVELS	
POTENTIAL FOSSIL YIELD CLASSIFICATION (PFYC)			
[Red Box]	Very High	[Red Wavy Line]	High
[Orange Box]	High	[Blue Wavy Line]	Moderate
[Yellow Box]	Moderate/Undetermined	[Green Wavy Line]	Low
[Light Green Box]	Low	[Grey Wavy Line]	Not Identifiable
[Light Blue Box]	Very Low		

GENERAL REFERENCE FEATURES			
[Thick Dashed Line]	Project Study Area	[Thin Dashed Line]	County Boundary
[Thin Dashed Line]	Study Corridor	[Dotted Line]	U.S. Forest Service Boundary
[Circle with Number]	Link Number	[Red Dashed Line]	Township Line
[Line with Tick]	Mile Tick	[Thick Solid Line]	Interstate Highway
[Line with Arrow]	Centerline	[Thin Solid Line]	U.S. Highway
[Circle]	Link Node	[Thin Solid Line]	State Highway
[Yellow Square]	Power Plant	[Line with Cross]	Railroad
[Triangle]	Substation	[Circle with Plane]	Airport
[Red Dashed Line]	500kV +/- DC Transmission Line	[Blue Wavy Line]	River or Stream
[Red Dashed Line]	345kV Transmission Line	[Blue Polygon]	Lake or Reservoir
[Blue Dashed Line]	230 to 287kV Transmission Line		
[Green Dashed Line]	138 to 161kV Transmission Line		
[Grey Line]	Pipeline		

SOURCES:
 Resource Data:
 Impact: EPG, 2010
 Potential Fossil Yield Classification: BLM and UGS, 2007
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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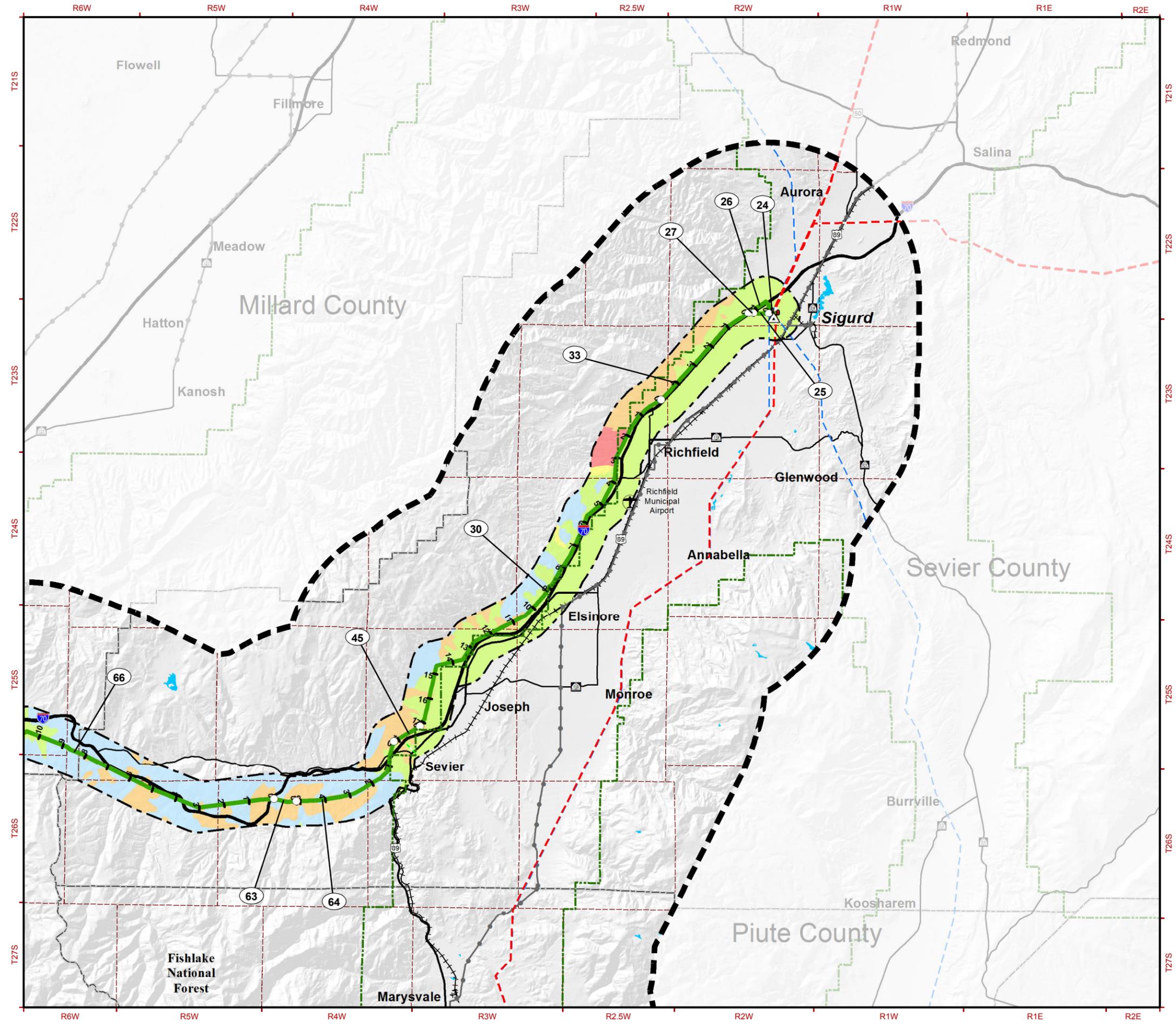


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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



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MAP MV - 9b PALEONTOLOGICAL RESOURCES INVENTORY AND SENSITIVITY

RESOURCE INVENTORY	IMPACT LEVELS
POTENTIAL FOSSIL YIELD CLASSIFICATION (PFYC)	High
Very High	Moderate
High	Low
Moderate/Undetermined	Not Identifiable
Low	
Very Low	

GENERAL REFERENCE FEATURES	
Project Study Area	County Boundary
Study Corridor	U.S. Forest Service Boundary
Link Number	Township Line
Mile Tick	Interstate Highway
Centerline	U.S. Highway
Link Node	State Highway
Power Plant	Railroad
Substation	Airport
500kV +/- DC Transmission Line	River or Stream
345kV Transmission Line	Lake or Reservoir
230 to 287kV Transmission Line	
138 to 161kV Transmission Line	
Pipeline	

SOURCES:
 Resource Data:
 Impact: EPG, 2010
 Potential Fossil Yield Classification: BLM and UGS, 2007
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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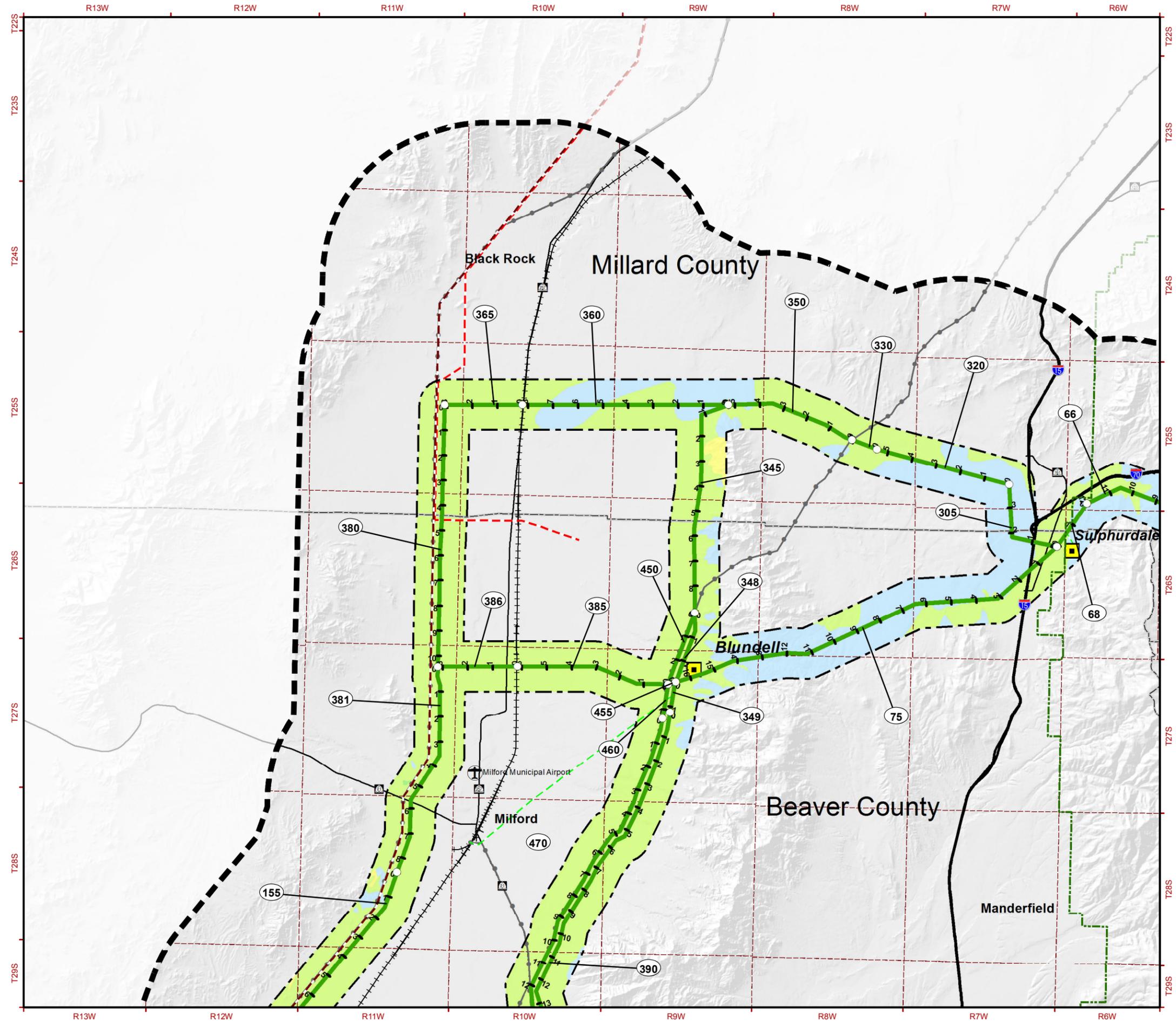


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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



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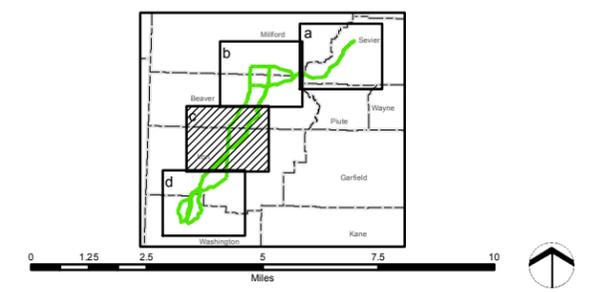
MAP MV - 9c
PALEONTOLOGICAL RESOURCES
INVENTORY AND SENSITIVITY

RESOURCE INVENTORY		IMPACT LEVELS	
POTENTIAL FOSSIL YIELD CLASSIFICATION (PFYC)			
Very High	High	High	High
High	Moderate	Moderate	Moderate
Moderate/Undetermined	Low	Low	Low
Low	Very Low	Not Identifiable	Not Identifiable
Very Low			

GENERAL REFERENCE FEATURES

	Project Study Area		County Boundary
	Study Corridor		U.S. Forest Service Boundary
	Link Number		Township Line
	Mile Tick		Interstate Highway
	Centerline		U.S. Highway
	Link Node		State Highway
	Power Plant		Railroad
	Substation		Airport
	500kV +/- DC Transmission Line		River or Stream
	345kV Transmission Line		Lake or Reservoir
	230 to 287kV Transmission Line		
	138 to 161kV Transmission Line		
	Pipeline		

SOURCES:
Resource Data:
 Impact: EPG, 2010
 Potential Fossil Yield Classification: BLM and UGS, 2007
Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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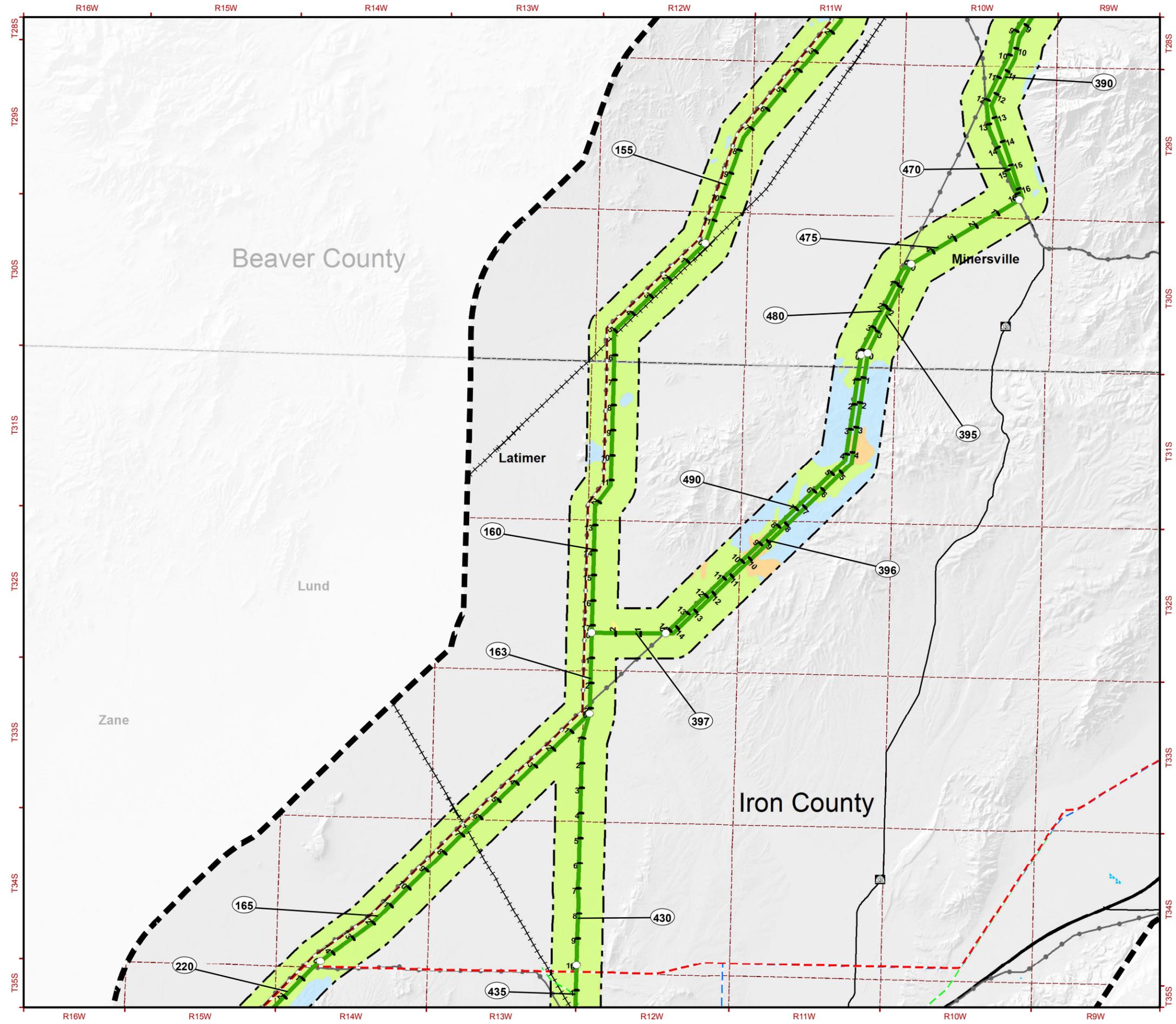


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SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT



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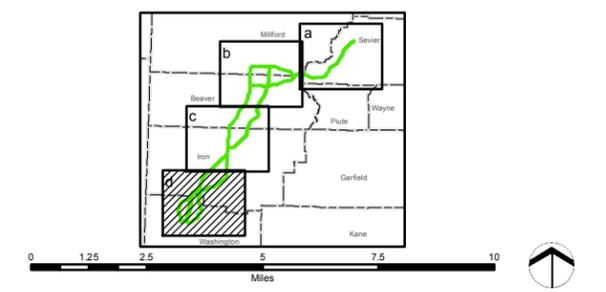


MAP MV - 9d PALEONTOLOGICAL RESOURCES INVENTORY AND SENSITIVITY

RESOURCE INVENTORY		IMPACT LEVELS	
POTENTIAL FOSSIL YIELD CLASSIFICATION (PFYC)			
[Red Box]	Very High	[Red Line]	High
[Orange Box]	High	[Blue Line]	Moderate
[Yellow Box]	Moderate/Undetermined	[Green Line]	Low
[Light Green Box]	Low	[Grey Line]	Not Identifiable
[Light Blue Box]	Very Low		

GENERAL REFERENCE FEATURES			
[Dashed Black Line]	Project Study Area	[Dashed Grey Line]	County Boundary
[Dashed Red Line]	Study Corridor	[Dashed Green Line]	U.S. Forest Service Boundary
[Circle with Number]	Link Number	[Dashed Red Line]	Township Line
[T-Tick]	Mile Tick	[Thick Black Line]	Interstate Highway
[Line with Tick]	Centerline	[Thin Black Line]	U.S. Highway
[Circle with Tick]	Link Node	[Thin Black Line]	State Highway
[Yellow Square]	Power Plant	[Cross Symbol]	Railroad
[Triangle]	Substation	[Circle with Cross]	Airport
[Red Dashed Line]	500kV +/- DC Transmission Line	[Blue Wavy Line]	River or Stream
[Red Dashed Line]	345kV Transmission Line	[Blue Wavy Line]	Lake or Reservoir
[Blue Dashed Line]	230 to 287kV Transmission Line		
[Green Dashed Line]	138 to 161kV Transmission Line		
[Grey Line]	Pipeline		

SOURCES:
Resource Data:
 Impact: EPG, 2010
 Potential Fossil Yield Classification: BLM and UGS, 2007
Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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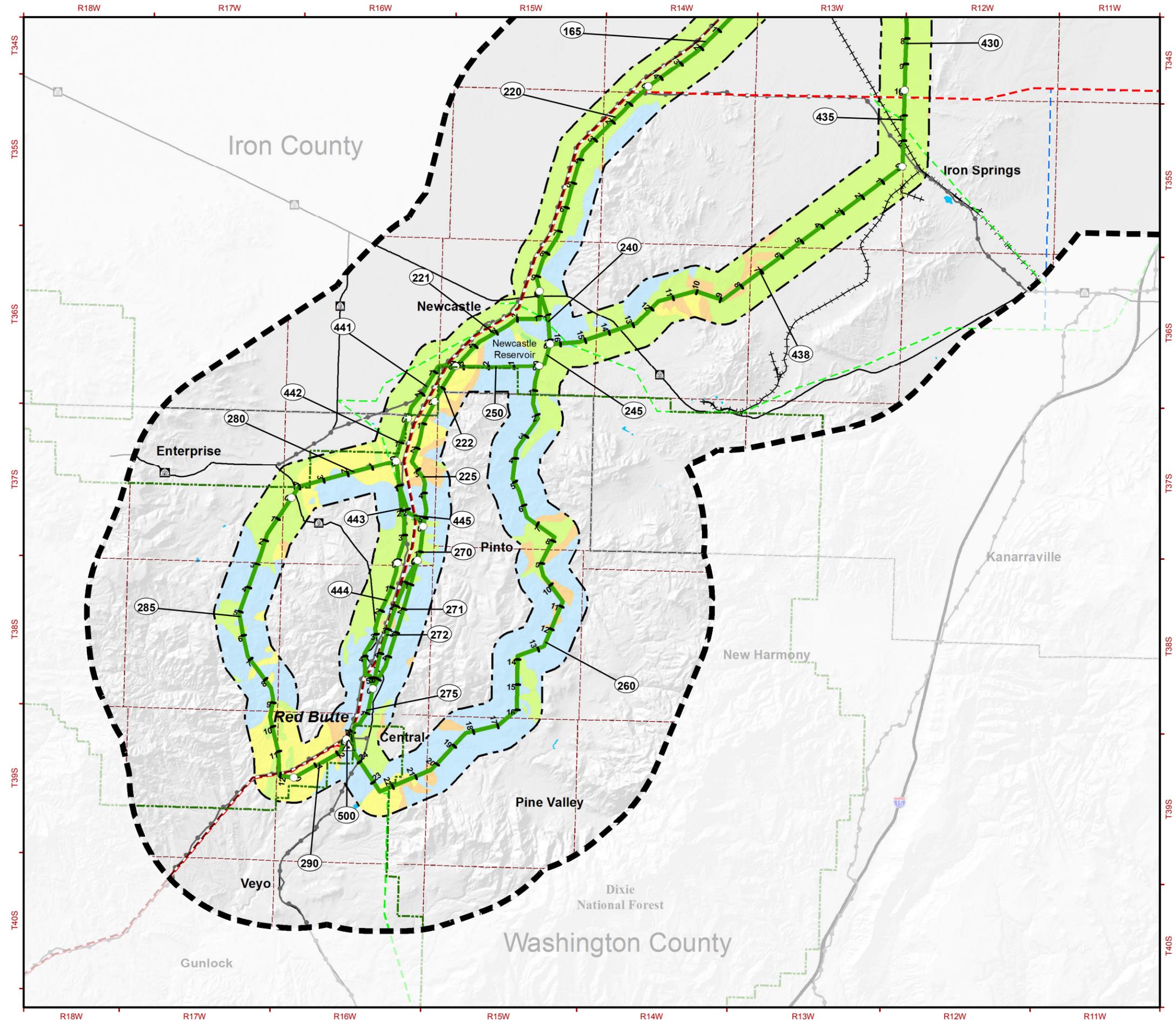


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SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



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Visual Resources

MAP MV - 10a
LANDSCAPE SCENERY
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SCENIC QUALITY/
SCENIC ATTRACTIVENESS

- A
- B
- C
- Developed

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low
- Not Identifiable

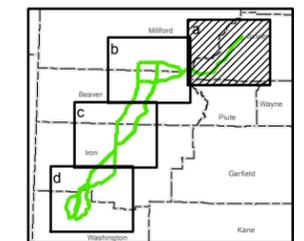
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Scenic Quality/Scenic Attractiveness: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT



MAP MV - 10b
LANDSCAPE SCENERY
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SCENIC QUALITY/
SCENIC ATTRACTIVENESS

- A
- B
- C
- Developed

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low
- Not Identifiable

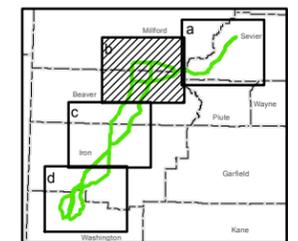
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Scenic Quality/Scenic Attractiveness: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 10c
LANDSCAPE SCENERY
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SCENIC QUALITY/
SCENIC ATTRACTIVENESS

- A
- B
- C
- Developed

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low
- Not Identifiable

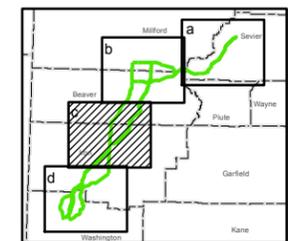
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Scenic Quality/Scenic Attractiveness: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT



MAP MV - 10d
LANDSCAPE SCENERY
INVENTORY AND IMPACTS

RESOURCE INVENTORY

SCENIC QUALITY/
SCENIC ATTRACTIVENESS

- A
- B
- C
- Developed

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low
- Not Identifiable

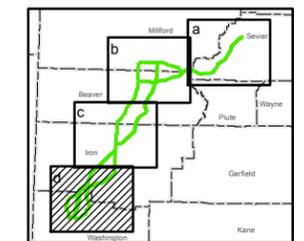
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Scenic Quality/Scenic Attractiveness: EPG, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 11a MODERATE SENSITIVITY VIEWERS INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- SENSITIVE VIEWER DISTANCE ZONES**
- 0 to 0.25 mile
 - 0.25 to 0.5 mile
 - 0.5 to 1.0 mile
 - 1.0 to 2.0 miles
 - Over 2.0 miles
- IMPACT LEVELS**
- High
 - Moderate/High
 - Moderate
 - Low/Moderate
 - Low
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.
- SENSITIVE VIEWERS LOCATIONS**
- Moderate

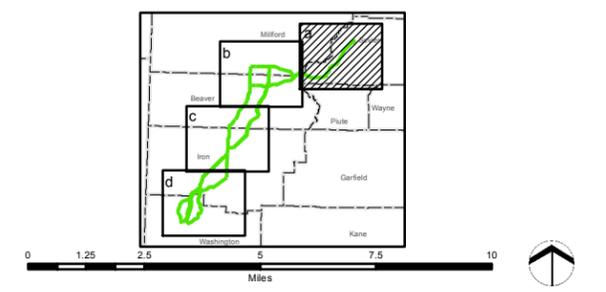
- KEY OBSERVATION POINTS**
- Simulation and Key Observation Point
 - Key Observation Point Only

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport

SOURCES:

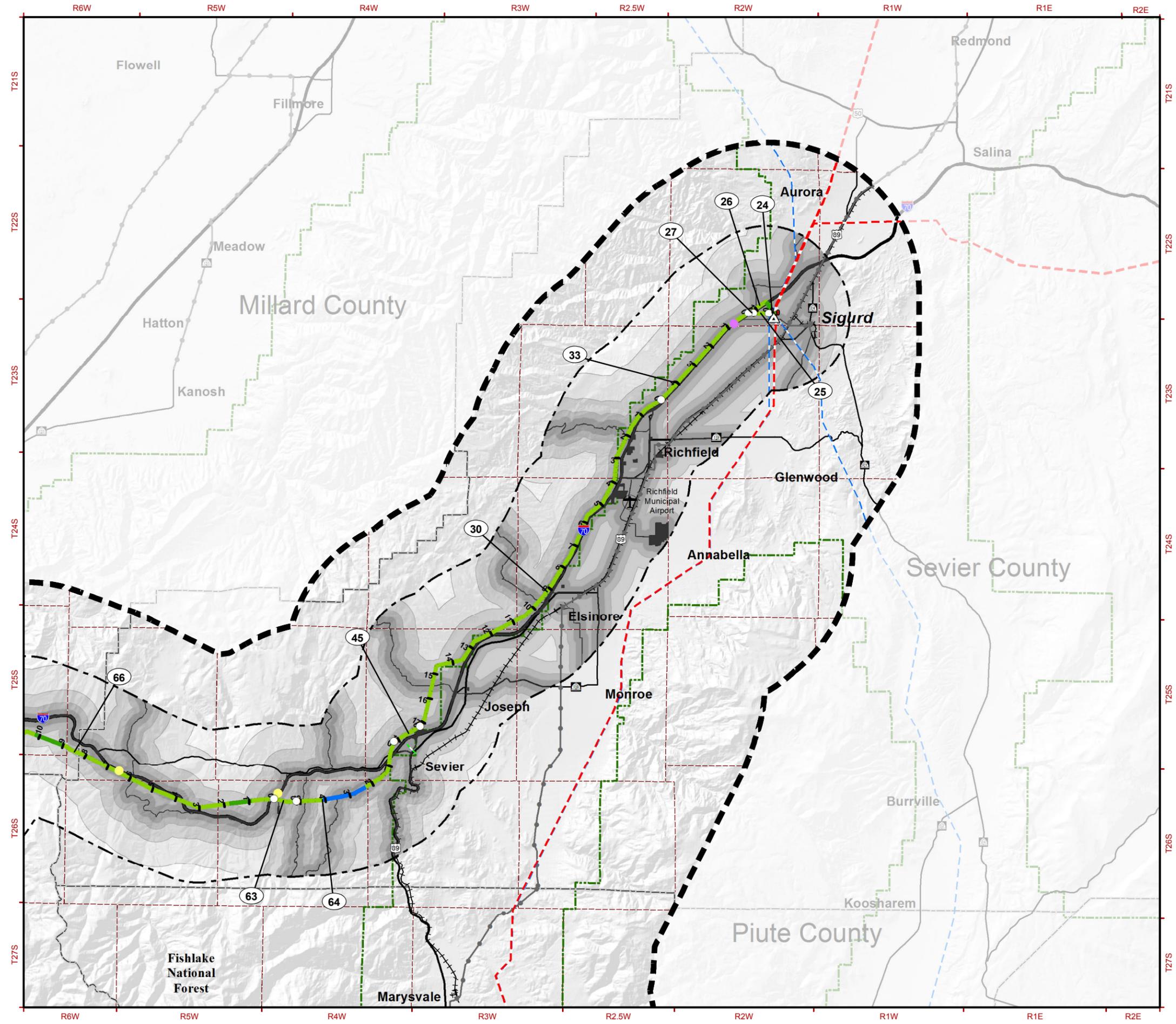
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 Impact: EPG, 2010
 Key Observation Points: EPG, 2010
 Sensitive Viewer: EPG, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 11b

MODERATE SENSITIVITY VIEWERS INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- SENSITIVE VIEWER DISTANCE ZONES**
- 0 to 0.25 mile
 - 0.25 to 0.5 mile
 - 0.5 to 1.0 mile
 - 1.0 to 2.0 miles
 - Over 2.0 miles
- IMPACT LEVELS**
- High
 - Moderate/High
 - Moderate
 - Low/Moderate
 - Low
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

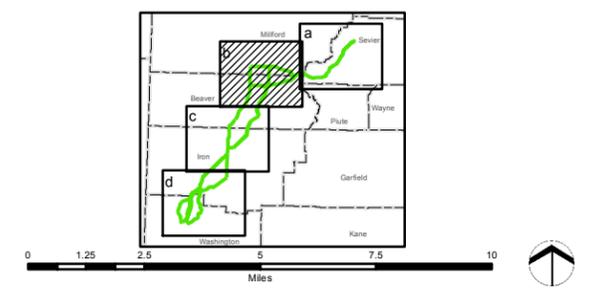
- SENSITIVE VIEWERS LOCATIONS**
- Moderate
- KEY OBSERVATION POINTS**
- Simulation and Key Observation Point
 - Key Observation Point Only

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Key Observation Points: EPG, 2010
 Sensitive Viewer: EPG, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
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MAP MV - 11c MODERATE SENSITIVITY VIEWERS INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- SENSITIVE VIEWER DISTANCE ZONES**
- 0 to 0.25 mile
 - 0.25 to 0.5 mile
 - 0.5 to 1.0 mile
 - 1.0 to 2.0 miles
 - Over 2.0 miles
- IMPACT LEVELS**
- High
 - Moderate/High
 - Moderate
 - Low/Moderate
 - Low
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.
- SENSITIVE VIEWERS LOCATIONS**
- Moderate

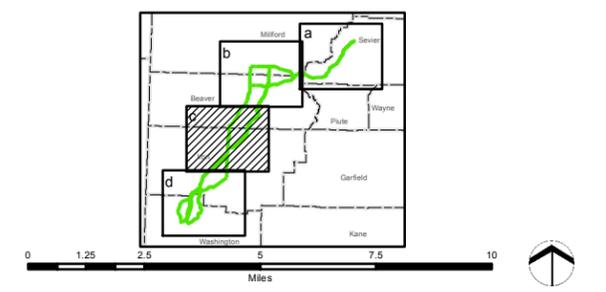
- KEY OBSERVATION POINTS**
- Simulation and Key Observation Point
 - Key Observation Point Only

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport

SOURCES:

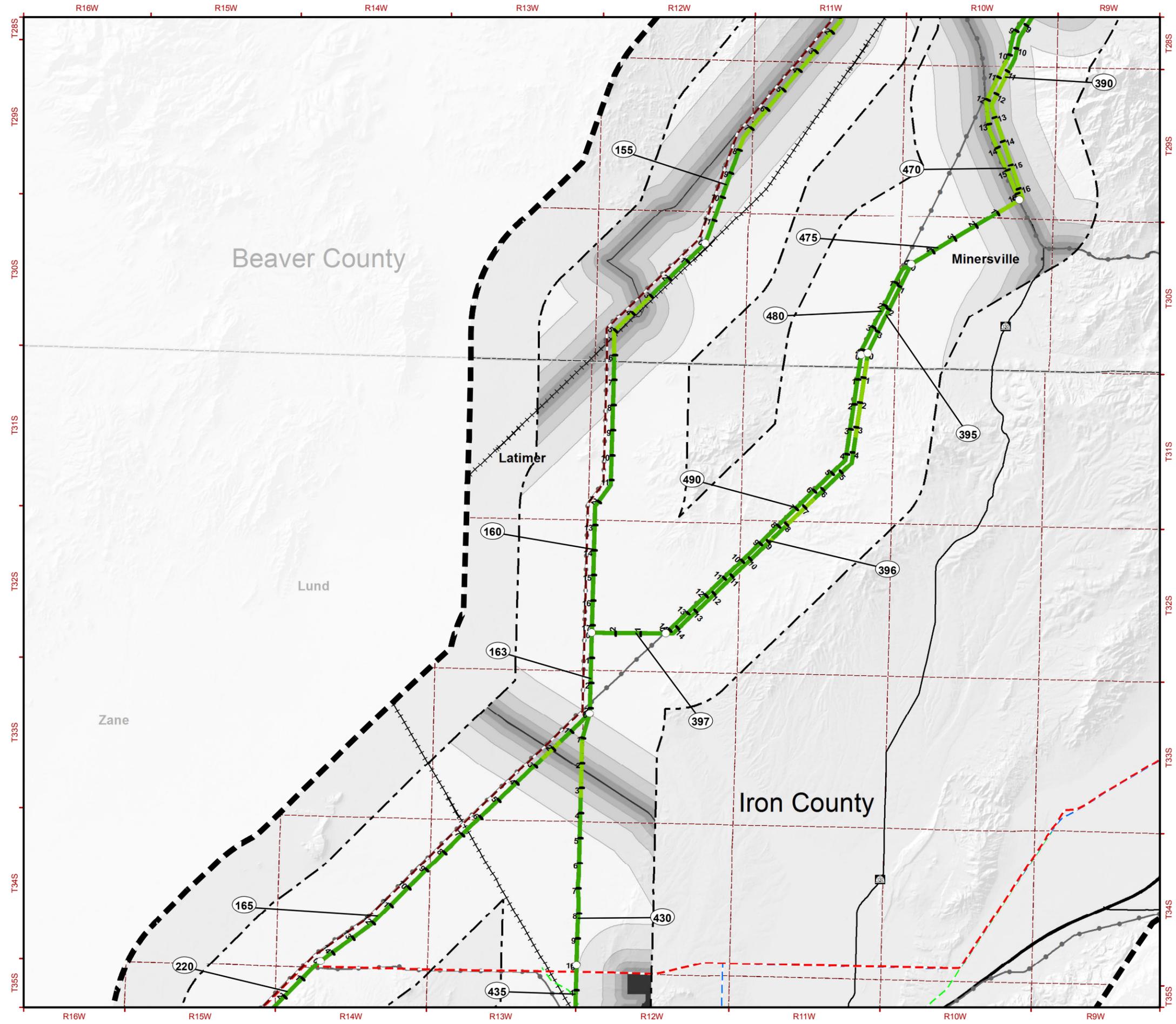
Resource Data:
 Impact: EPG, 2010
 Key Observation Points: EPG, 2010
 Sensitive Viewer: EPG, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 11d MODERATE SENSITIVITY VIEWERS INVENTORY AND IMPACTS

RESOURCE INVENTORY

SENSITIVE VIEWER DISTANCE ZONES

- 0 to 0.25 mile
- 0.25 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- Over 2.0 miles

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

SENSITIVE VIEWERS LOCATIONS

- Moderate

KEY OBSERVATION POINTS

- Simulation and Key Observation Point
- Key Observation Point Only

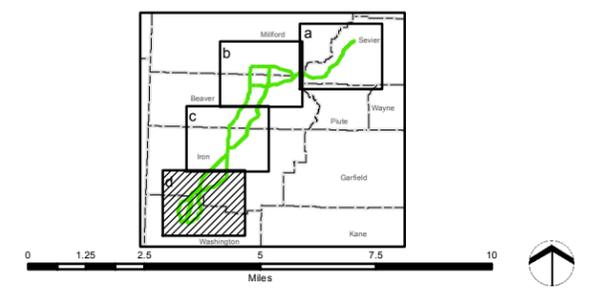
GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

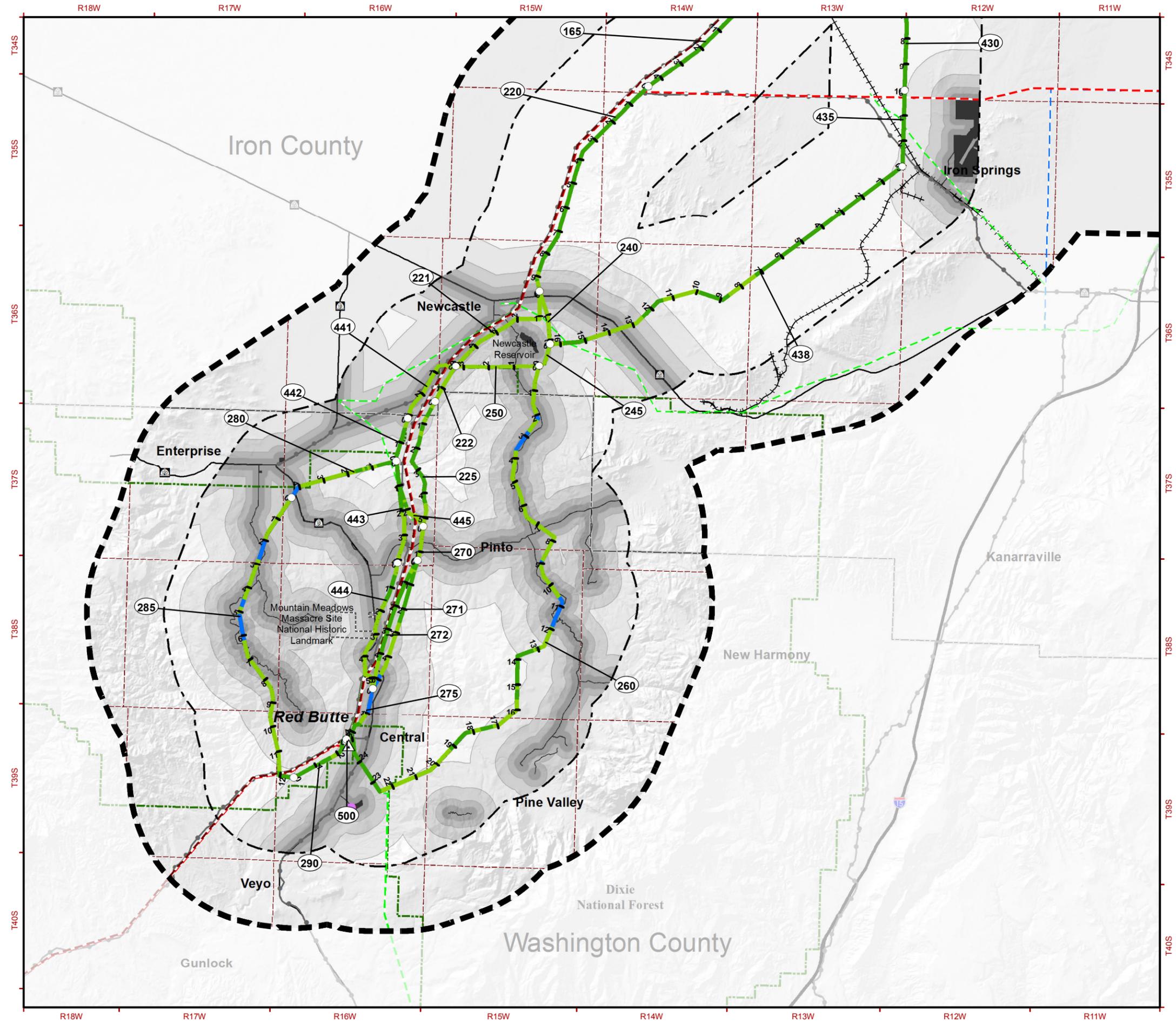
Resource Data:
Impact: EPG, 2010
Key Observation Points: EPG, 2010
Sensitive Viewer: EPG, 2010

Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 12a HIGH SENSITIVITY VIEWERS INVENTORY AND IMPACTS

RESOURCE INVENTORY

SENSITIVE VIEWER DISTANCE ZONES

- 0 to 0.25 mile
- 0.25 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- Over 2.0 miles

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

SENSITIVE VIEWERS LOCATIONS

- High

KEY OBSERVATION POINTS

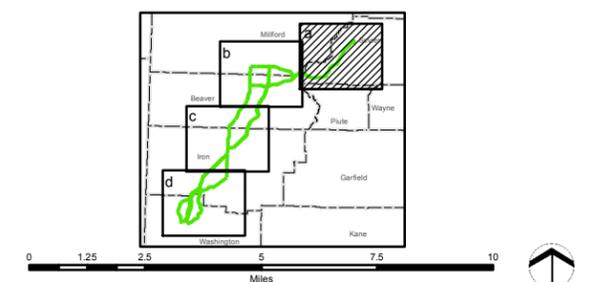
- Simulation and Key Observation Point
- Key Observation Point Only

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Key Observation Points: EPG, 2010
Sensitive Viewer: EPG, 2010; AGRC, 1998; BLM, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 12b HIGH SENSITIVITY VIEWERS INVENTORY AND IMPACTS

RESOURCE INVENTORY

SENSITIVE VIEWER DISTANCE ZONES

- 0 to 0.25 mile
- 0.25 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- Over 2.0 miles

SENSITIVE VIEWERS LOCATIONS

- High

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

KEY OBSERVATION POINTS

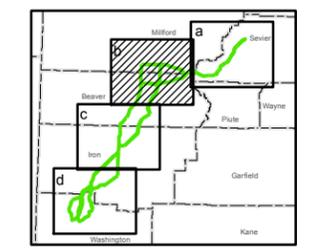
- Simulation and Key Observation Point
- Key Observation Point Only

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Key Observation Points: EPG, 2010
Sensitive Viewer: EPG, 2010; AGRC, 1998; BLM, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 12c HIGH SENSITIVITY VIEWERS INVENTORY AND IMPACTS

RESOURCE INVENTORY

SENSITIVE VIEWER DISTANCE ZONES

- 0 to 0.25 mile
- 0.25 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- Over 2.0 miles

SENSITIVE VIEWERS LOCATIONS

- High

KEY OBSERVATION POINTS

- Simulation and Key Observation Point
- Key Observation Point Only

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low

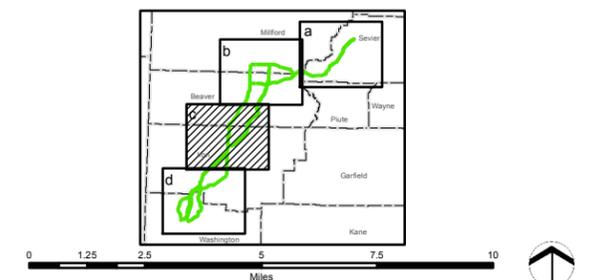
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Key Observation Points: EPG, 2010
 Sensitive Viewer: EPG, 2010; AGRC, 1998; BLM, 2010
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 12d HIGH SENSITIVITY VIEWERS INVENTORY AND IMPACTS

RESOURCE INVENTORY

SENSITIVE VIEWER DISTANCE ZONES

- 0 to 0.25 mile
- 0.25 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- Over 2.0 miles

IMPACT LEVELS

- High
- Moderate/High
- Moderate
- Low/Moderate
- Low

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

SENSITIVE VIEWERS LOCATIONS

- High

KEY OBSERVATION POINTS

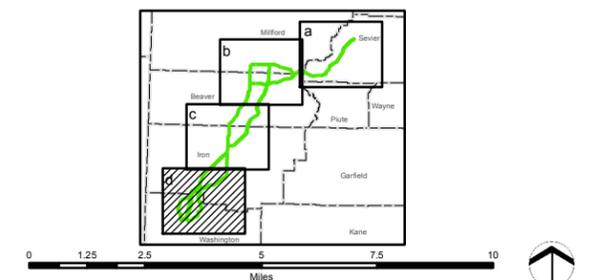
- Simulation and Key Observation Point
- Key Observation Point Only

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
Key Observation Points: EPG, 2010
Sensitive Viewer: EPG, 2010; AGRC, 1998; BLM, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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SIGURD TO RED BUTTE NO. 2 345KV TRANSMISSION PROJECT



MAP MV - 13a
VISUAL MANAGEMENT OBJECTIVES
INVENTORY AND CONSISTENCY

RESOURCE INVENTORY

BLM VISUAL RESOURCE MANAGEMENT OBJECTIVES (VRM)

- Class II
- Class III
- Class IV

Note: No VRM Class I land present in Project study area.

U.S. FOREST SERVICE SCENIC INTEGRITY OBJECTIVES (SIO)

- Very High
- High
- Moderate

Note: Fishlake National Forest SIOs are Draft. Dixie National Forest SIOs shown are inventory. See Appendix F.

CONSISTENCY

- Consistent
- Not Consistent
- Not Applicable

GENERAL REFERENCE FEATURES

- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

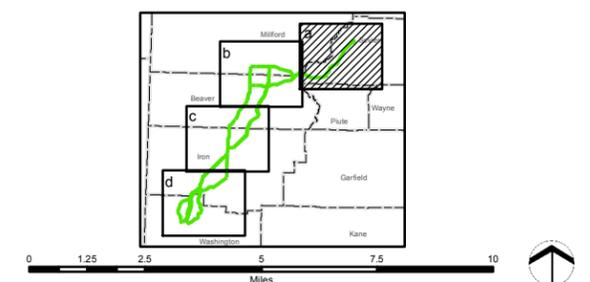
SOURCES:

Resource Data:

Impact: EPG, 2010
 VRM: BLM, 2009
 SIO: USFS, 2000; USFS, 2007; EPG, 2011

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 13b
VISUAL MANAGEMENT OBJECTIVES
INVENTORY AND CONSISTENCY

RESOURCE INVENTORY

- BLM VISUAL RESOURCE MANAGEMENT (VRM) OBJECTIVES**
- Class II
 - Class III
 - Class IV

CONSISTENCY

- Consistent
- Not Consistent
- Not Applicable

Note: No VRM Class I land present in Project study area.

U.S. FOREST SERVICE SCENIC INTEGRITY OBJECTIVES (SIO)

- Very High
- High
- Moderate

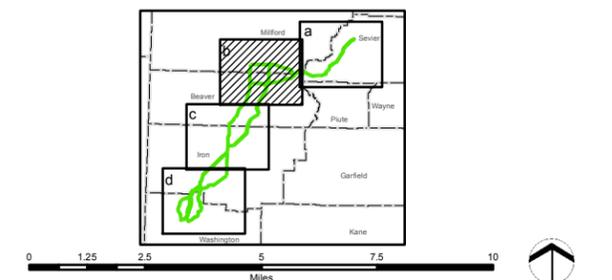
Note: Fishlake National Forest SIOs are Draft. Dixie National Forest SIOs shown are inventory. See Appendix F.

GENERAL REFERENCE FEATURES

- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
VRM: BLM, 2009
SIO: USFS, 2000; USFS, 2007; EPG, 2011
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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345kV TRANSMISSION PROJECT



MAP MV - 13c
VISUAL MANAGEMENT OBJECTIVES
INVENTORY AND CONSISTENCY

RESOURCE INVENTORY

- BLM VISUAL RESOURCE
MANAGEMENT OBJECTIVES (VRM)
OBJECTIVES**
- Class II
 - Class III
 - Class IV

Note: No VRM Class I land present in Project study area.

**U.S. FOREST SERVICE
SCENIC INTEGRITY
OBJECTIVES (SIO)**

- Very High
- High
- Moderate

Note: Fishlake National Forest SIOs are Draft. Dixie National Forest SIOs shown are inventory. See Appendix F.

CONSISTENCY

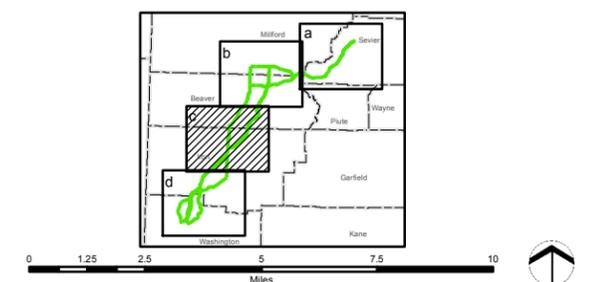
- Consistent
- Not Consistent
- Not Applicable

GENERAL REFERENCE FEATURES

- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
Impact: EPG, 2010
VRM: BLM, 2009
SIO: USFS, 2000; USFS, 2007; EPG, 2011
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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**SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT**



MAP MV - 13d

VISUAL MANAGEMENT OBJECTIVES INVENTORY AND CONSISTENCY

RESOURCE INVENTORY

BLM VISUAL RESOURCE MANAGEMENT OBJECTIVES (VRM)

- Class II
- Class III
- Class IV

Note: No VRM Class I land present in Project study area.

U.S. FOREST SERVICE SCENIC INTEGRITY OBJECTIVES (SIO)

- Very High
- High
- Moderate

Note: Fishlake National Forest SIOs are Draft. Dixie National Forest SIOs shown are inventory. See Appendix F.

CONSISTENCY

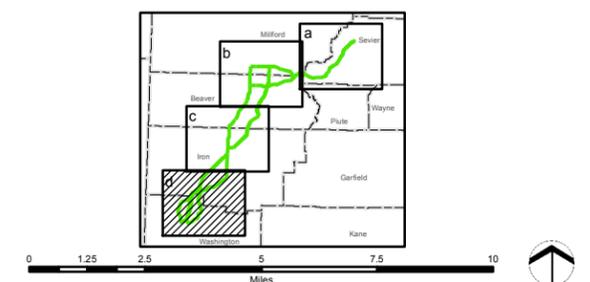
- Consistent
- Not Consistent
- Not Applicable

GENERAL REFERENCE FEATURES

- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport

SOURCES:

Resource Data:
 Impact: EPG, 2010
 VRM: BLM, 2009
 SIO: USFS, 2000; USFS, 2007; EPG, 2011
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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Land Use and Recreation Resources

MAP MV - 14a EXISTING LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

EXISTING LAND USE

- Agriculture
- Agriculture Protection Area
- Airport/Airstrip
- Airport Conical Zone
- Airport Horizontal Zone
- Commercial
- Communication Facilities
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland (Grazing Allotments)
- Recreation
- Residential
- School/Educational Facility
- Transportation
- Utilities
- Vacant/Undeveloped
- Wind Farm
- UNEV Pipeline

SPECIAL MANAGEMENT AREAS

- Wilderness Area
- Inventoried Roadless Area
- Herd Management Area
- Unroaded/Undeveloped
- State Wildlife Management Area
- State Park or Recreation Area

UTILITY CORRIDORS

- Millard County Utility Corridor
- WWEC All; Electric-only
- Fishlake NF Utility Window
- Washington County Utility Corridor
- BLM Proposed Surface Corridor
- BLM Designated Surface Corridor

IMPACT LEVELS

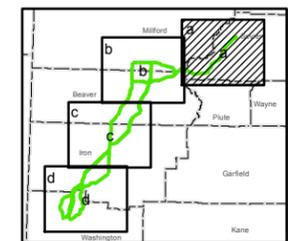
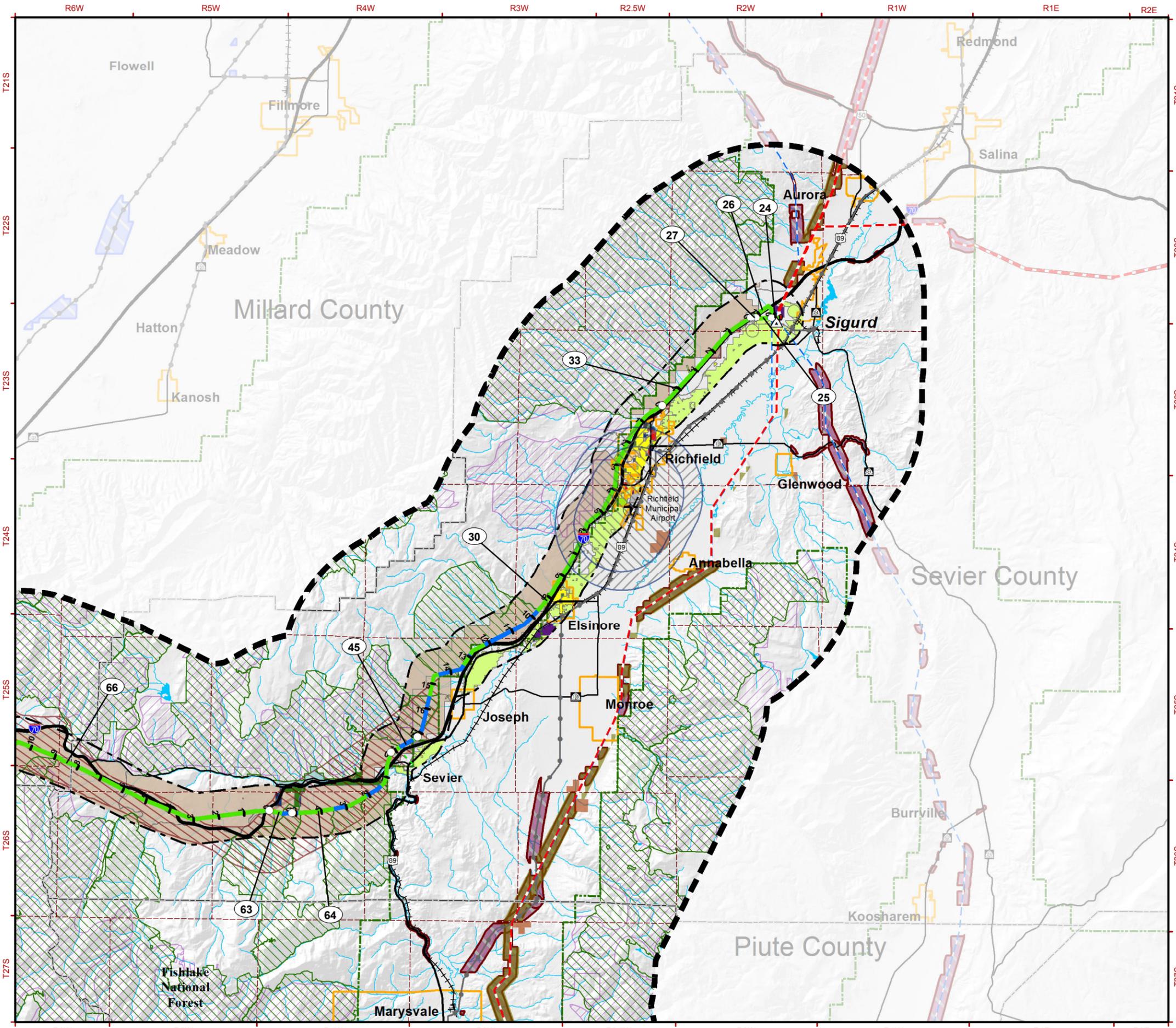
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Existing Land Use: EPG, 2009
Special Management Areas: EPG, 2009; National Inventoried Roadless Area: USFS, 2000
Millard Wind Farm: CH2MHILL, 2011
WWEC Utility Corridor: Argonne National Laboratory, 2008; USFS, 2006; Millard County
RMP Utility Corridor: BLM, EPG, 2009; Washington County Utility Corridor, Washington County, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1998; POWERmap, powermap.platts.com
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MAP MV - 14b EXISTING LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

EXISTING LAND USE

- Agriculture
- Agriculture Protection Area
- Airport/Airstrip
- Airport Conical Zone
- Airport Horizontal Zone
- Commercial
- Communication Facilities
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland (Grazing Allotments)
- Recreation
- Residential
- School/Educational Facility
- Transportation
- Utilities
- Vacant/Undeveloped
- Wind Farm
- UNEV Pipeline

SPECIAL MANAGEMENT AREAS

- Wilderness Area
- Inventoried Roadless Area
- Herd Management Area
- Unroaded/Undeveloped
- State Wildlife Management Area
- State Park or Recreation Area

UTILITY CORRIDORS

- Millard County Utility Corridor
- WVEC All; Electric-only
- Fishlake NF Utility Window
- Washington County Utility Corridor
- BLM Proposed Surface Corridor
- BLM Designated Surface Corridor

IMPACT LEVELS

- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

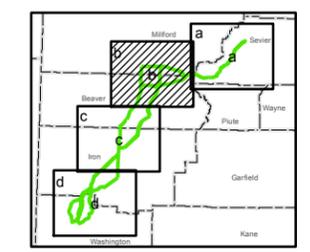
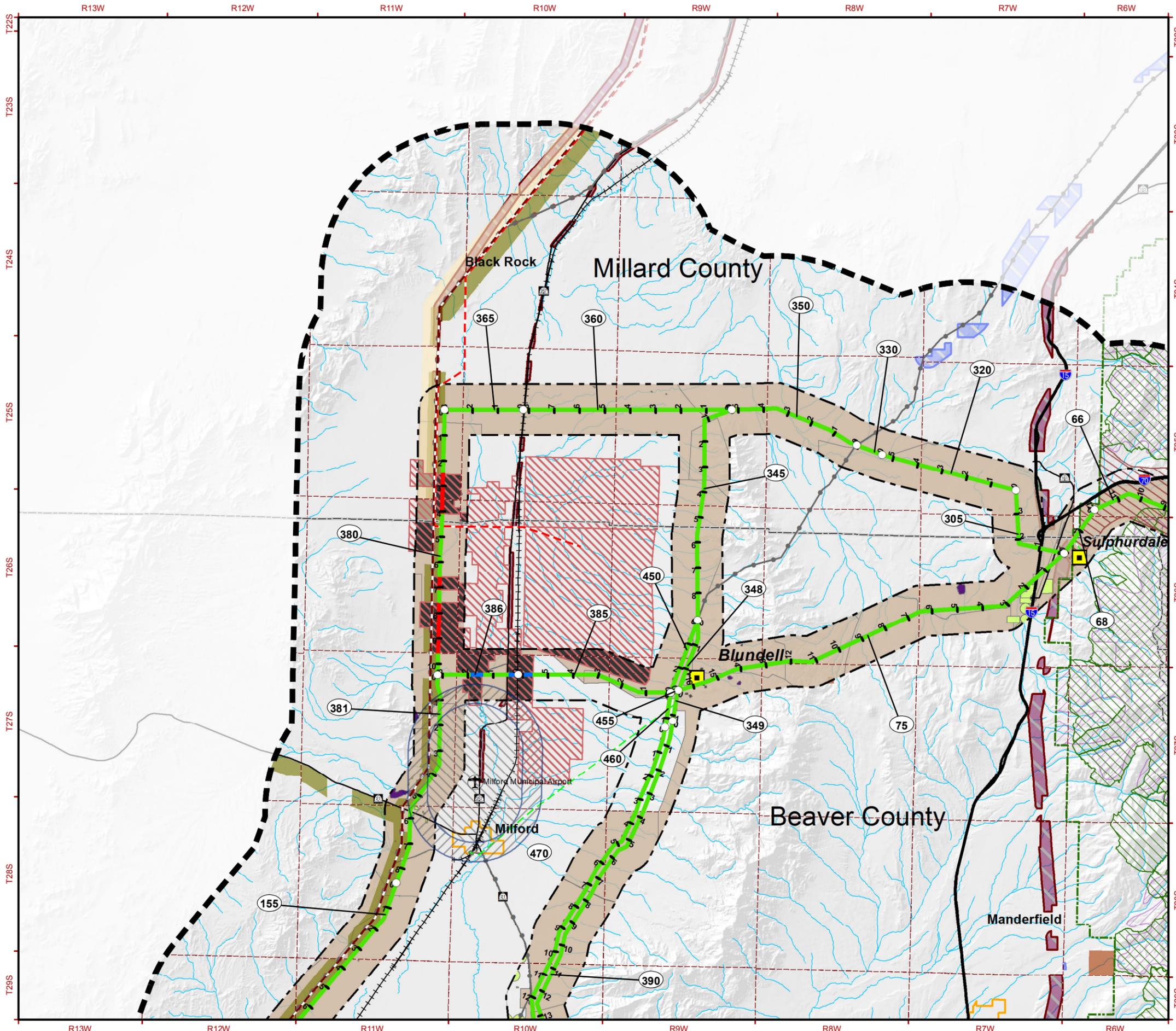
GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Existing Land Use: EPG, 2009
 Special Management Areas: EPG, 2009; National Inventoried Roadless Area: USFS, 2000
 Millard Wind Farm: CH2MHILL, 2011
 WVEC Utility Corridor: Argonne National Laboratory, 2008, USFS, 2006, Millard County
 RMP Utility Corridor: BLM, EPG, 2009; Washington County Utility Corridor, Washington County, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2009; PLS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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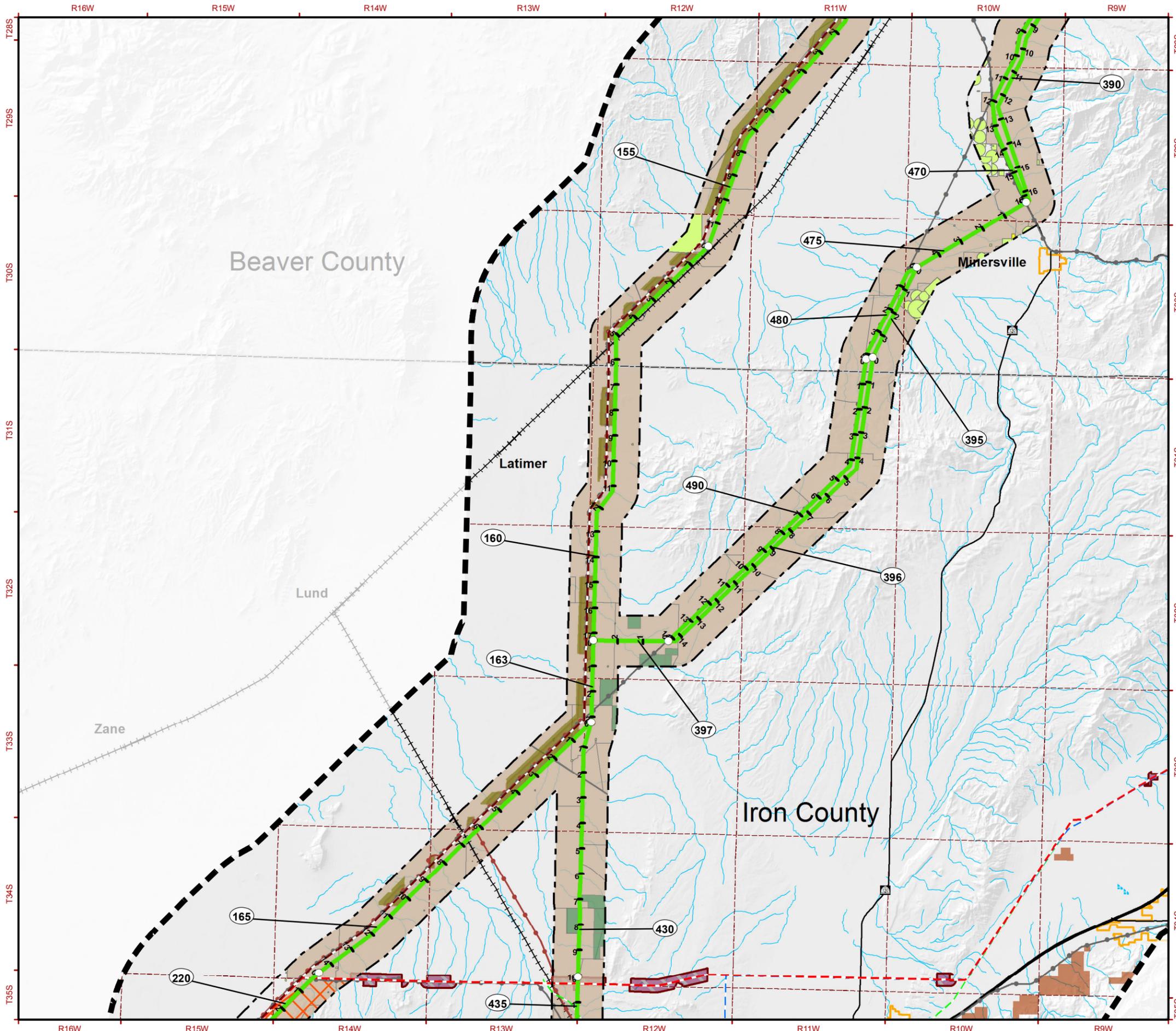


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MAP MV - 14c EXISTING LAND USE INVENTORY AND IMPACTS



RESOURCE INVENTORY

- EXISTING LAND USE**
- Agriculture
 - Agriculture Protection Area
 - Airport/Airstrip
 - Airport Conical Zone
 - Airport Horizontal Zone
 - Commercial
 - Communication Facilities
 - Industrial
 - Parks/Preservation
 - Public/Quasi-Public
 - Rangeland (Grazing Allotments)
 - Recreation
 - Residential
 - School/Educational Facility
 - Transportation
 - Utilities
 - Vacant/Undeveloped
 - Wind Farm
 - UNEV Pipeline

SPECIAL MANAGEMENT AREAS

- Wilderness Area
- Inventoried Roadless Area
- Herd Management Area
- Unroaded/Undeveloped
- State Wildlife Management Area
- State Park or Recreation Area

UTILITY CORRIDORS

- Millard County Utility Corridor
- WWEC All; Electric-only
- Fishlake NF Utility Window
- Washington County Utility Corridor
- BLM Proposed Surface Corridor
- BLM Designated Surface Corridor

IMPACT LEVELS

- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

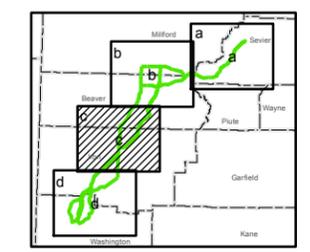
GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Existing Land Use: EPG, 2009
 Special Management Areas: EPG, 2009; National Inventoried Roadless Area: USFS, 2000
 Millard Wind Farm: CH2MHILL, 2011
 WWEC Utility Corridor: Argonne National Laboratory, 2008; USFS, 2006; Millard County
 RMP Utility Corridor: BLM, EPG, 2009; Washington County Utility Corridor; Washington County, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2009; PLS: BLM, 2006; Water, River, Stream: USGS, 2008
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MAP MV - 14d EXISTING LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

EXISTING LAND USE

- Agriculture
- Agriculture Protection Area
- Airport/Airstrip
- Airport Conical Zone
- Airport Horizontal Zone
- Commercial
- Communication Facilities
- Parks/Preservation
- Public/Quasi-Public
- Rangeland (Grazing Allotments)
- Recreation
- School/Educational Facility
- Transportation
- Utilities
- Vacant/Undeveloped
- Wind Farm
- UNEV Pipeline

SPECIAL MANAGEMENT AREAS

- Wilderness Area
- Inventoried Roadless Area
- Herd Management Area
- Unroaded/Undeveloped
- State Wildlife Management Area
- State Park or Recreation Area

UTILITY CORRIDORS

- Millard County Utility Corridor
- WVEC All; Electric-only
- Fishlake NF Utility Window
- Washington County Utility Corridor
- BLM Proposed Surface Corridor
- BLM Designated Surface Corridor

IMPACT LEVELS

- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

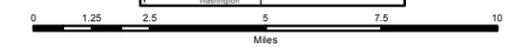
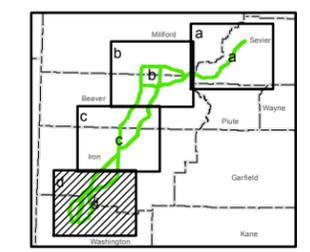
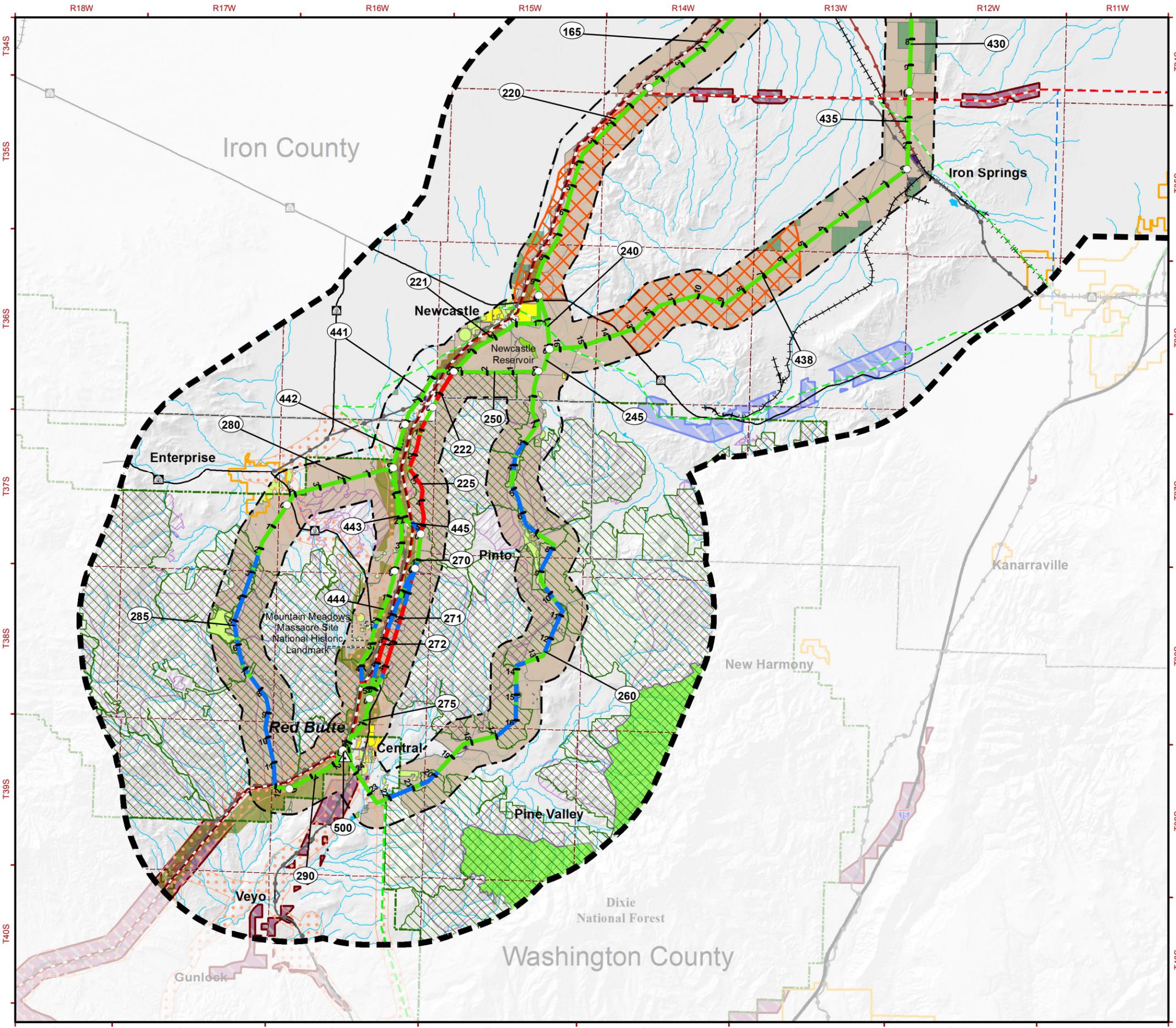
GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Existing Land Use: EPG, 2009
 Special Management Areas: EPG, 2009; National Inventoried Roadless Area: USFS, 2000
 Millard Wind Farm: CH2MHILL, 2011
 WVEC Utility Corridor: Argonne National Laboratory, 2008; USFS, 2006; Millard County
 RMP Utility Corridor: BLM, EPG, 2009; Washington County Utility Corridor; Washington County, 2010

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLS: BLM, 2006; Water, River, Stream: USGS, 2008
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SIGURD TO RED BUTTE NO. 2 345KV TRANSMISSION PROJECT



MAP MV - 15a FUTURE LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

GENERALIZED ZONING

- Agricultural
- Commercial
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland
- Residential
- Utilities

JURISDICTION

- Bureau of Land Management
- Indian Reservation
- National Park Service
- State of Utah Trust Lands
- State Park
- U.S. Forest Service

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

PLANNED LAND USE

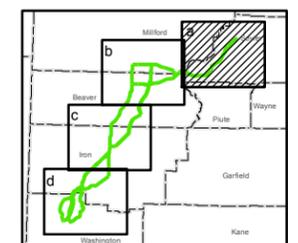
- Planned Pipeline
- Planned Transmission Line
- Geothermal Lease Area
- Mineral Mountains ACEC
- Nomination (Digitized from map provided by SUWA)
- Oil and Gas Lease Area
- Solar Study Area (PEIS)
- Wind Farm Proposed

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Planned Transmission Line: BLM, Comlink Land Services and LLC, 2010
Planned Pipeline: Palladon, 2009; Planned Land Use/Zoning: EPG, 2009; Municipal Boundary: AGRC, 2002
Jurisdiction: BLM, 2009; Special Management Areas: EPG, 2009; Solar Study Areas: BLM, 2009
Mineral Mountains ACEC Nomination: SUWA, 2011 (Digitized from map provided with comments on the Draft EIS from SUWA); Geothermal Leases (Sulphurdale): Fishlake National Forest, 2010;
Oil and Gas Leases: BLM, 2010; Geothermal Energy Proposed: EPG, 2009; Wind Farms Proposed: EPG, 2011
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 15b FUTURE LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

GENERALIZED ZONING

- Agriculture
- Commercial
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland
- Recreation
- Residential
- Utilities

JURISDICTION

- Bureau of Land Management
- Indian Reservation
- National Park Service
- State of Utah Trust Lands
- State Park
- U.S. Forest Service

PLANNED LAND USE

- Planned Pipeline
- Planned Transmission Line
- Geothermal Lease Area
- Mineral Mountains ACEC
- Nomination (Digitized from map provided by SUWA)
- Oil and Gas Lease Area
- Solar Study Area (PEIS)
- Wind Farm Proposed

IMPACT LEVELS

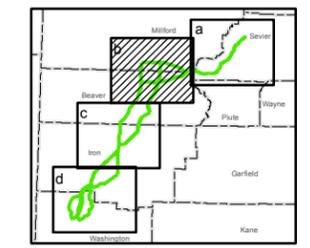
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Planned Transmission Line: BLM, Comlink Land Services and LLC, 2010
 Planned Pipeline: Palladon, 2009; Planned Land Use/Zoning: EPG, 2009; Municipal Boundary: AGRC, 2002
 Jurisdiction: BLM, 2009; Special Management Areas: EPG, 2009; Solar Study Areas: BLM, 2009
 Mineral Mountains ACEC Nomination: SUWA, 2011 (Digitized from map provided with comments on the Draft EIS from SUWA); Geothermal Leases (Sulphurdale): Fishlake National Forest, 2010;
 Oil and Gas Leases: BLM, 2010; Geothermal Energy Proposed: EPG, 2009; Wind Farms Proposed: EPG, 2011
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 15c FUTURE LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

GENERALIZED ZONING

- Agriculture
- Commercial
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland
- Recreation
- Residential
- Utilities

JURISDICTION

- Bureau of Land Management
- Indian Reservation
- National Park Service
- State of Utah Trust Lands
- State Park
- U.S. Forest Service

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

PLANNED LAND USE

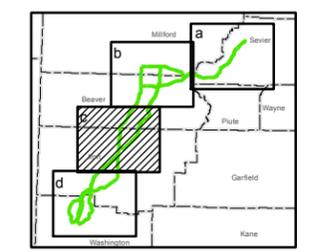
- Planned Pipeline
- Planned Transmission Line
- Geothermal Lease Area
- Mineral Mountains ACEC
- Nomination (Digitized from map provided by SUWA)
- Oil and Gas Lease Area
- Solar Study Area (PEIS)
- Wind Farm Proposed

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

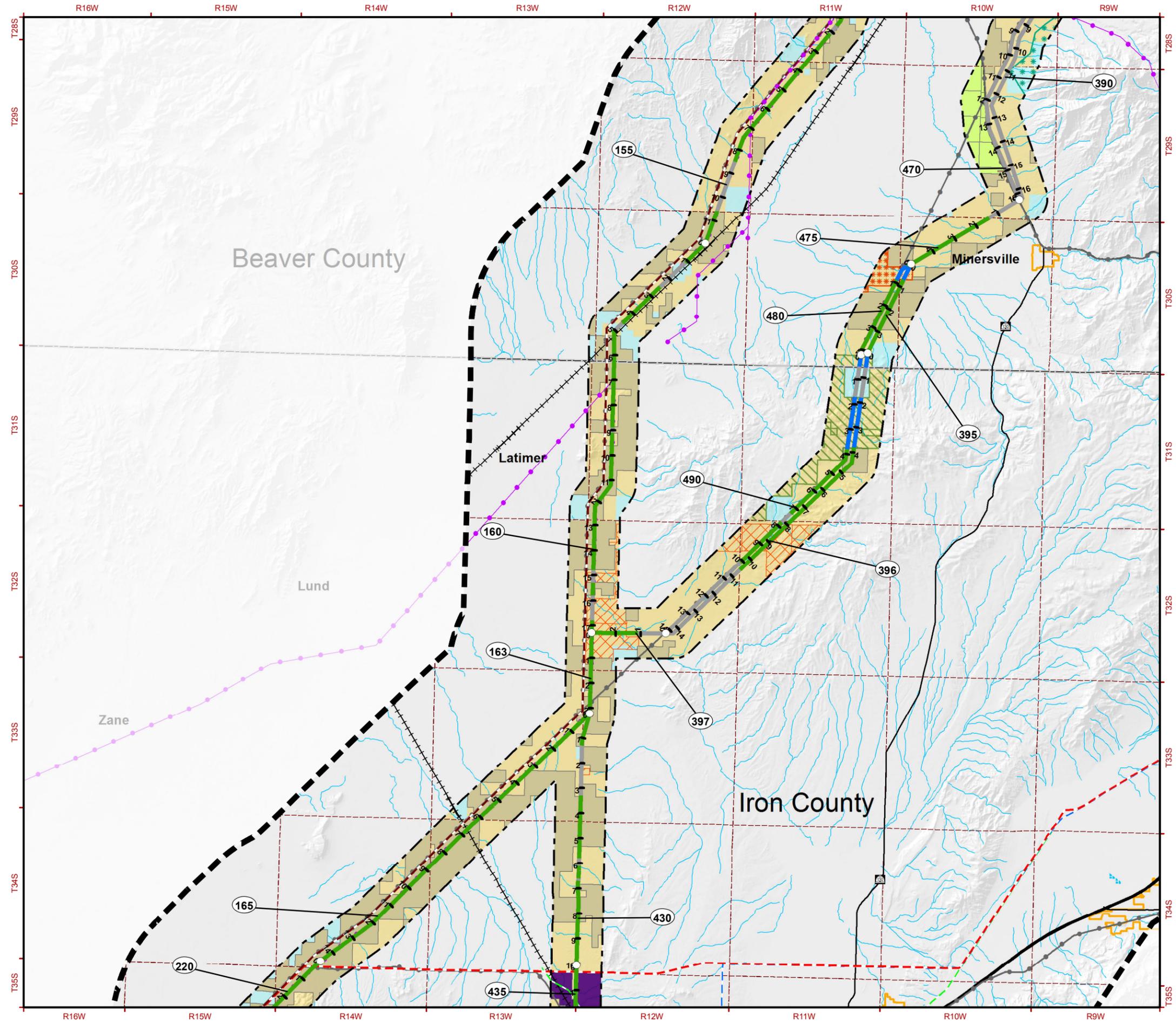
SOURCES:

Resource Data:
 Impact: EPG, 2010
 Planned Transmission Line: BLM, Comlink Land Services and LLC, 2010
 Planned Pipeline: Palladon, 2009; Planned Land Use/Zoning: EPG, 2009; Municipal Boundary: AGRC, 2002
 Jurisdiction: BLM, 2009; Special Management Areas: EPG, 2009; Solar Study Areas: BLM, 2009
 Mineral Mountains ACEC Nomination: SUWA, 2011 (Digitized from map provided with comments on the Draft EIS from SUWA); Geothermal Leases (Sulphurdale): Fishlake National Forest, 2010;
 Oil and Gas Leases: BLM, 2010; Geothermal Energy Proposed: EPG, 2009; Wind Farms Proposed: EPG, 2011
 Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 15d FUTURE LAND USE INVENTORY AND IMPACTS

RESOURCE INVENTORY

GENERALIZED ZONING

- Agricultural
- Commercial
- Industrial
- Parks/Preservation
- Public/Quasi-Public
- Rangeland
- Recreation
- Residential
- Utilities

JURISDICTION

- Bureau of Land Management
- Indian Reservation
- National Park Service
- State of Utah Trust Lands
- State Park
- U.S. Forest Service

PLANNED LAND USE

- Planned Pipeline
- Planned Transmission Line
- Geothermal Lease Area
- Mineral Mountains ACEC
- Nomination (Digitized from map provided by SUWA)
- Oil and Gas Lease Area
- Solar Study Area (PEIS)
- Wind Farm Proposed

IMPACT LEVELS

- High
- Moderate
- Low
- Not Identifiable

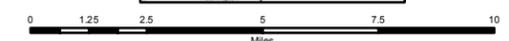
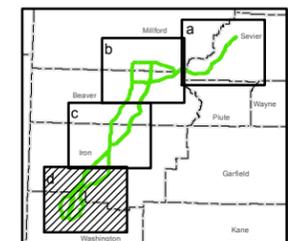
Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES

- Project Study Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Municipal Boundary
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir

SOURCES:

Resource Data:
Impact: EPG, 2010
Planned Transmission Line: BLM, Comlink Land Services and LLC, 2010
Planned Pipeline: Palladon, 2009; Planned Land Use/Zoning: EPG, 2009; Municipal Boundary: AGRC, 2002
Jurisdiction: BLM, 2009; Special Management Areas: EPG, 2009; Solar Study Areas: BLM, 2009
Mineral Mountains ACEC Nomination: SUWA, 2011 (Digitized from map provided with comments on the Draft EIS from SUWA); Geothermal Leases (Sulphurdale): Fishlake National Forest, 2010;
Oil and Gas Leases: BLM, 2010; Geothermal Energy Proposed: EPG, 2009; Wind Farms Proposed: EPG, 2011
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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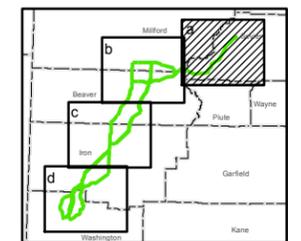
SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT



MAP MV - 16a RECREATION RESOURCES INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- EXISTING LAND USE**
- Parks/Preservation
- SPECIAL MANAGEMENT AREAS**
- State Park or Recreation Area
 - Fishcreek Wild and Scenic River
- RECREATION OPPORTUNITY SPECTRUM**
- Semi-Primitive Non-Motorized
 - Semi-Primitive Motorized
 - Roaded Natural
- RECREATION TRAILS**
- Trails
- SCENIC BYWAYS & BACKWAYS**
- Scenic Backway
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport
 - River or Stream
 - Lake or Reservoir
- SOURCES:**
- Resource Data:
Impact: EPG, 2010
Recreation Trail: EPG, 2010
Scenic Byway: ESRI, 2008
Existing Land Use: EPG, 2010
Recreation Opportunity Spectrum: USFS, 2006
Fishcreek Wild and Scenic River: USFS, 2011; Special Management Areas: EPG, 2009
National Inventoried Roadless Area: USFS, 2000
- Base Data:**
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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MAP MV - 16b RECREATION RESOURCES INVENTORY AND IMPACTS

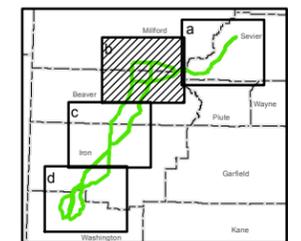
- RESOURCE INVENTORY**
- EXISTING LAND USE**
- Parks/Preservation
- SPECIAL MANAGEMENT AREAS**
- State Park or Recreation Area
 - Fishcreek Wild and Scenic River
- RECREATION OPPORTUNITY SPECTRUM**
- Semi-Primitive Non-Motorized
 - Semi-Primitive Motorized
 - Roaded Natural
- RECREATION TRAILS**
- Trails
- SCENIC BYWAYS & BACKWAYS**
- Scenic Backway
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport
 - River or Stream
 - Lake or Reservoir

SOURCES:

Resource Data:
 Impact: EPG, 2010
 Recreation Trail: EPG, 2010
 Scenic Byway: ESRI, 2008
 Existing Land Use: EPG, 2010
 Recreation Opportunity Spectrum: USFS, 2006
 Fishcreek Wild and Scenic River: USFS, 2011; Special Management Areas: EPG, 2009
 National Inventoried Roadless Area: USFS, 2000

Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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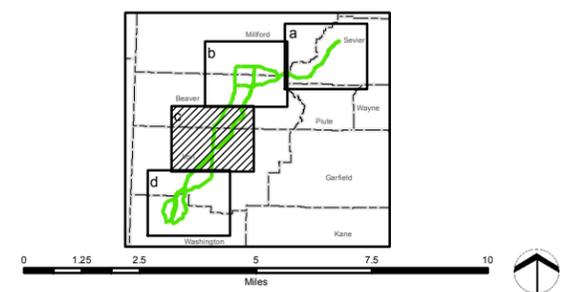
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MAP MV - 16c RECREATION RESOURCES INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- EXISTING LAND USE**
- Parks/Preservation
- SPECIAL MANAGEMENT AREAS**
- State Park or Recreation Area
 - Fishcreek Wild and Scenic River
- RECREATION OPPORTUNITY SPECTRUM**
- Semi-Primitive Non-Motorized
 - Semi-Primitive Motorized
 - Roaded Natural
- RECREATION TRAILS**
- Trails
- SCENIC BYWAYS & BACKWAYS**
- Scenic Backway
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport
 - River or Stream
 - Lake or Reservoir
- SOURCES:**
- Resource Data:
 Impact: EPG, 2010
 Recreation Trail: EPG, 2010
 Scenic Byway: ESRI, 2008
 Existing Land Use: EPG, 2010
 Recreation Opportunity Spectrum: USFS, 2006
 Fishcreek Wild and Scenic River: USFS, 2011; Special Management Areas: EPG, 2009
 National Inventoried Roadless Area: USFS, 2000
- Base Data:
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
 Hillshade: USGS, 1999; POWERmap, powermap.platts.com
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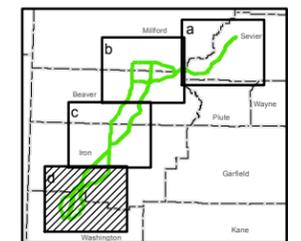
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MAP MV - 16d RECREATION RESOURCES INVENTORY AND IMPACTS

- RESOURCE INVENTORY**
- EXISTING LAND USE**
- Parks/Preservation
- SPECIAL MANAGEMENT AREAS**
- State Park or Recreation Area
 - Fishcreek Wild and Scenic River
- RECREATION OPPORTUNITY SPECTRUM**
- Semi-Primitive Non-Motorized
 - Semi-Primitive Motorized
 - Roaded Natural
- RECREATION TRAILS**
- Trails
- SCENIC BYWAYS & BACKWAYS**
- Scenic Backway
- IMPACT LEVELS**
- High
 - Moderate
 - Low
 - Not Identifiable
- Note: Impact levels shown represent impacts remaining (residual) after the application of mitigation measures.

- GENERAL REFERENCE FEATURES**
- Project Study Area
 - Study Corridor
 - Link Number
 - Mile Tick
 - Centerline
 - Link Node
 - Power Plant
 - Substation
 - 500kV +/- DC Transmission Line
 - 345kV Transmission Line
 - 230 to 287kV Transmission Line
 - 138 to 161kV Transmission Line
 - Pipeline
 - County Boundary
 - U.S. Forest Service Boundary
 - Township Line
 - Interstate Highway
 - U.S. Highway
 - State Highway
 - Railroad
 - Airport
 - River or Stream
 - Lake or Reservoir
- SOURCES:**
- Resource Data:
 Impact: EPG, 2010
 Recreation Trail: EPG, 2010
 Scenic Byway: ESRI, 2008
 Existing Land Use: EPG, 2010
 Recreation Opportunity Spectrum: USFS, 2006
 Fishcreek Wild and Scenic River: USFS, 2011; Special Management Areas: EPG, 2009
 National Inventoried Roadless Area: USFS, 2000
- Base Data:**
 Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
 U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
 Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006; Water, River, Stream: USGS, 2008
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