

Corridor 66-209

Spanish Fork Corridor

Corridor Rationale

Input regarding alignment from National Grid, PacifiCorp, and the Western Utility Group during the WWEC PEIS suggested following this route. There are no planned transmission or pipeline projects within the corridor. The Energy Gateway South ROD and ROW grant and TransWest Express ROD and ROW grant have been approved and both are located within Corridor 66-209. There is a recently authorized transmission line adjacent to the beginning of the corridor (MP 0).

Corridor location:

Utah (Utah Co.)
 BLM: Salt Lake Field Office
 USFS: Uinta-Wasatch-Cache National Forest
 Regional Review Region(s): Region 3

Corridor width, length:

Width 3,500 ft
 5.3 miles of designated corridor
 13.3-mile-posted route, including gaps

Sec 368 energy corridor restrictions: (N)

- corridor is multi-modal

Corridor of concern (N)

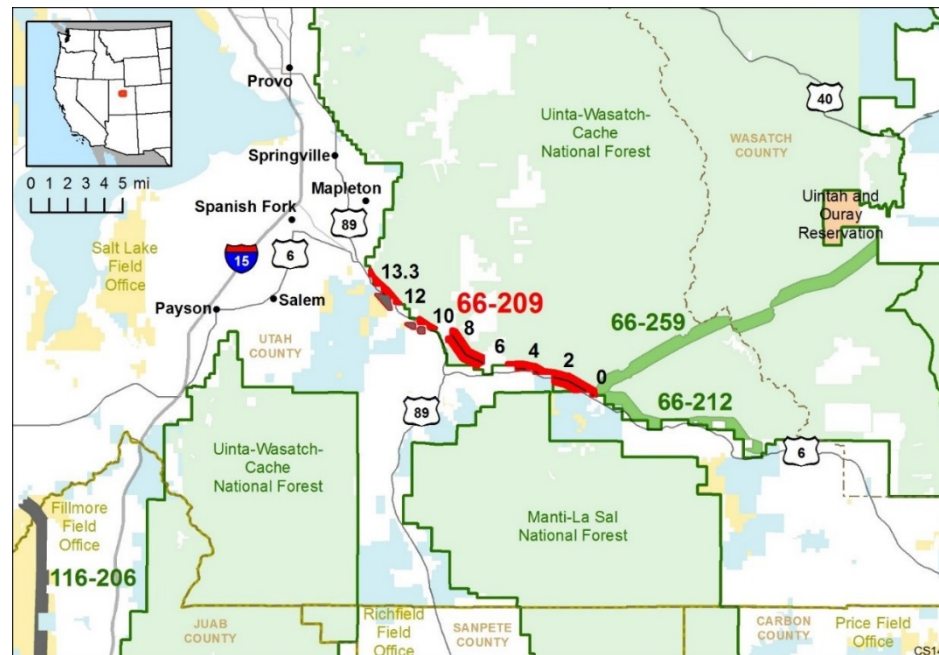


Figure 1. Corridor 66-209

Corridor history:

- Locally designated corridor prior to 2009 (Y)
- Existing infrastructure (Y)
 - Electric transmission:
 - 46 kV and 345 kV (MP 0 to MP 7 and MP 10 to MP 13)
 - 138 kV (MP 0 to MP 13)
 - 2 345 kV (MP 5 to MP 13)
 - 69 kV (MP 1 to MP 7 and MP 10 to MP 13)
 - Highways:
 - U.S. 6 (MP 0 to MP 5 and MP 9 to MP 13)
- Energy potential near the corridor (Y)
 - wind park (18.9 MW) as close as 2,100 ft (MP 13)
 - hydroelectric power plant (3.6 MW) less than 2 mi (MP 13)
- Corridor changes since 2009 (Y)
 - Portion of corridor on BLM-administered lands in the Salt Lake FO between MP 10 and MP 13 not designated due to National Defense Authorization Act for Fiscal Year 2000 (October 5, 1999). These areas are depicted in gray on Figure 1.

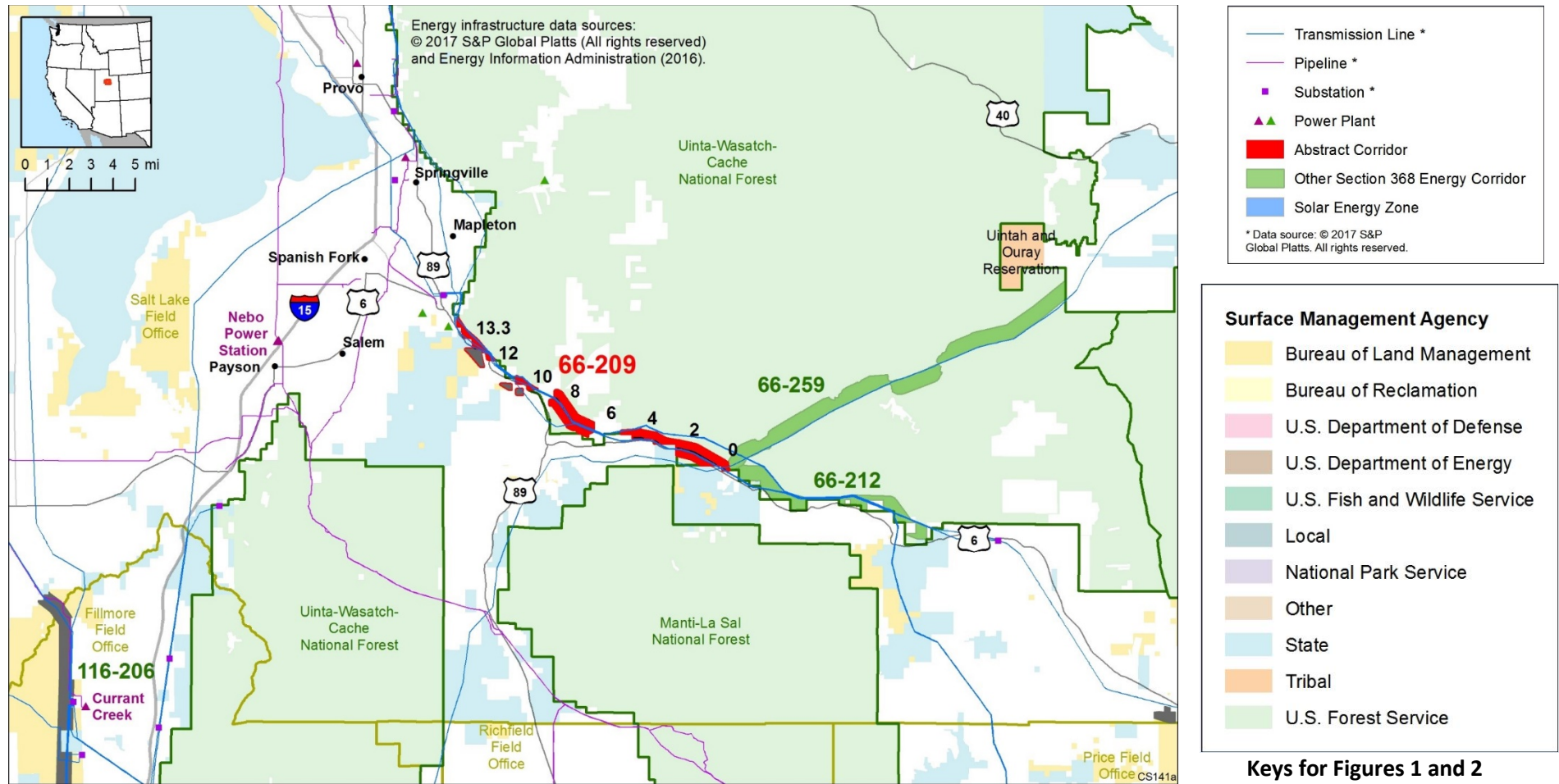


Figure 2. Corridor 66-209 and nearby electric transmission lines and pipelines

Conflict Map Analysis

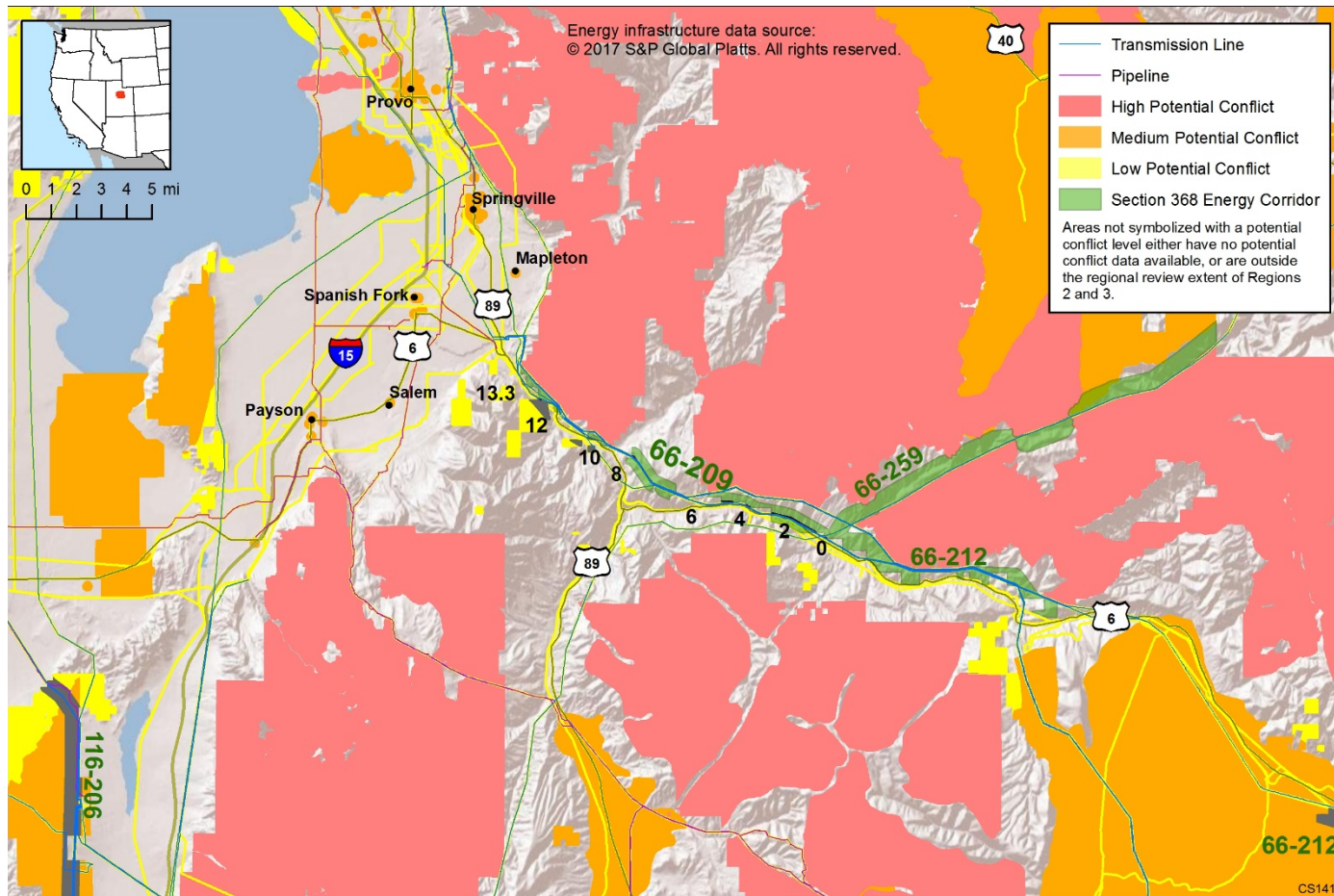


Figure 3. Map of Conflict Areas in Vicinity of Corridor 66-209

Figure 3 reflects a comprehensive resource conflict assessment developed to enable the Agencies and stakeholders to visualize a corridor's proximity to environmentally sensitive areas and to evaluate options for routes with lower potential conflict. The potential conflict assessment (low, medium, high) shown in the figure is based on [criteria](#) found on the WWEC Information Center at www.corridoreis.anl.gov. To meet the intent of the Energy Policy Act and the Settlement Agreement siting principles, corridors may be located in areas where there is potentially high resource conflict; however, where feasible, opportunity for corridor revisions should be identified in areas with potentially lower conflict.

Visit the 368 Mapper for a full view of the Potential conflict map (<https://bogi.evs.anl.gov/section368/portal/>)

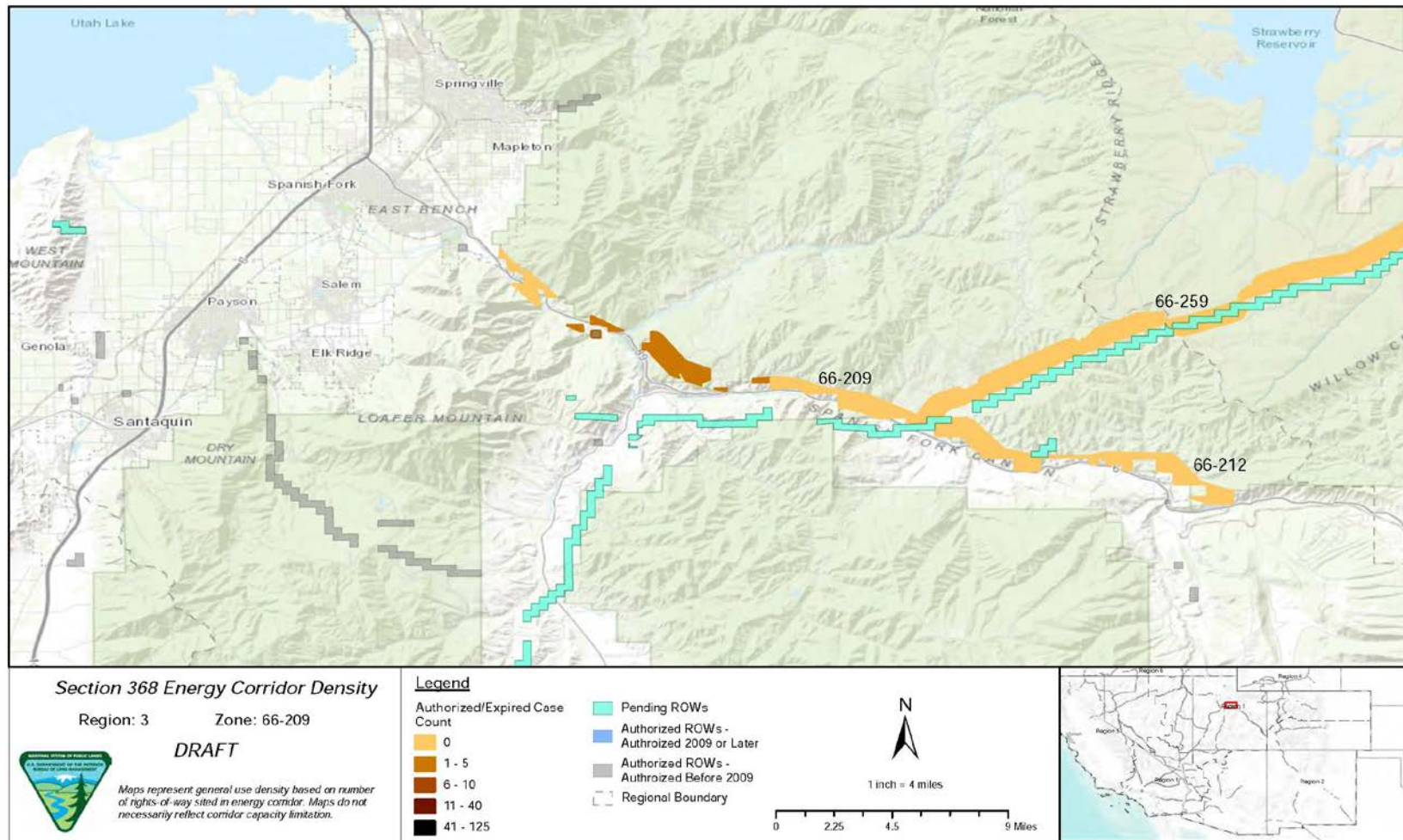


Figure 4. Corridor 66-209, Corridor Density Map

Figure 4 shows the density of energy use to assist in evaluating corridor utility. ROWs granted prior to the corridor designation (2009) are shown in grey; ROWs granted after corridor designation are shown in blue; and pending ROWs under current review for approval are shown in turquoise. Note the ROW density shown for the corridor is only a snapshot that does not fully illustrate remaining corridor capacity. Not all ROWs have GIS data at the time this abstract was developed. BLM and USFS are currently improving their ROW GIS databases and anticipate more complete data in the near future.

General Stakeholder Feedback on Corridor Utility

The State of Utah believes that the corridor plays an important role for existing energy infrastructure in Utah County, and requests that no changes are made to the existing alignment of the corridor.

Corridor Review Table

The table below captures details of the Agencies' review of the energy corridor. Consideration of the general corridor siting principles of the 2012 Settlement Agreement framed each corridor review, to identify potential improvements to maximize corridor utility and minimize impacts on the environment. Initial Agency analysis is provided to facilitate further discussion during stakeholder workshops.

| CORRIDOR 66-209 REVIEW TABLE | | | | | | | |
|--|--------|---|----------|--|--------------------------------------|--|---|
| ID | Agency | Agency Jurisdiction | County | Primary Issue | Corridor Location (by Milepost [MP]) | Source | Agency Review and Analysis ^{1, 2} |
| ENVIRONMENTAL RESOURCE ISSUES | | | | | | | |
| <i>Specialty Designated Areas</i> | | | | | | | |
| 66-209 .001 | USFS | Uinta-Wasatch-Cache National Forest | Utah, UT | 418016 IRA/Diamond Fork | MP 4 to MP 5 MP 1 to MP 4 | GIS Analysis: IRA adjacent to corridor. GIS Analysis: IRA as close as 530 ft north of corridor. | The corridor is not within the IRAs and development and management inside of the corridor would not be affected. Because the IRAs are adjacent to the corridor, the opportunity to expand or shift the corridor is limited. (1) |
| 66-209 .002 | USFS | Uinta-Wasatch-Cache National Forest | Utah, UT | 418025 IRA | MP 10 to MP 11, MP 12 to MP 13 | GIS Analysis: IRA adjacent to corridor. | |
| 66-209 .003 | USFS | Manti-La Sal National Forest, Uinta-Wasatch-Cache National Forest | Utah, UT | Coal Hollow IRA | MP 1 to MP 4 | GIS Analysis: IRA as close as 2,600 ft southwest of corridor on Manti-La Sal National Forest land and corridor gaps on state land. | The corridor is not located in the IRA and development and management inside of the corridor would not be affected. (1) |
| <i>Ecology</i> | | | | | | | |
| 66-209 .004 | | | Utah, UT | Clay Phacelia (ESA-listed: endangered) | Not specified. | Agency Input: ESA endangered Clay Phacelia may be present in corridor. | There is no designated critical habitat for Clay Phacelia. Pre-construction surveys may be needed as part of the ROW application process. Impacts on Clay Phacelia will be minimized through |

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| | | | | | | <p>Comment on abstract: occupied and suitable habitat for Clay Phacelia occurs between MP 0 and MP 3.</p> <p>Recommend that the corridor be relocated at least 650 ft from occupied and suitable habitat for Clay Phacelia.</p> | <p>ESA Section 7 consultation. The corridor currently includes multiple transmission lines and a highway, co-located for minimizing environmental impacts. Alternate routes would necessarily include more undisturbed land. (3)</p> |
| 66-209.005 | USFS and BLM | Uinta-Wasatch-Cache National Forest, Salt Lake FO, and private and state lands | Utah, UT | CHAT Resources | Almost entire length of corridor | <p>RFI: consult closely with state fish and game Agencies and WGA to implement the full mitigation hierarchy of avoidance, minimization, and compensation for CHAT resources at "Very High" risk.</p> <p>GIS Analysis: most of the corridor is CHAT ranked 1 or 2.</p> | <p>Alternate routes would still require siting through areas with CHAT ranking of 1 or 2 and the opportunity to expand or shift the corridor is limited. As such, the current location appears to best meet the siting principles based on the settlement agreement. Existing IOPs address habitat protection. (1)</p> |
| 66-209.006 | | | | Special status species | Not specified. | <p>Comment on abstract: threatened and endangered species that may occur along this corridor include Ute Ladies'-tresses, Western Yellow-billed Cuckoo, Clay Phacelia, and June Sucker. Projects taking place in this corridor may require ESA Section 7 consultation with the USFWS. We recommend that projects within this corridor are evaluated for impacts to listed species and their habitats, and measures are included to avoid, minimize, and mitigate impacts. Habitat for Deseret Milkvetch and Jones Cycladenia is located approximately 3 mi south of this corridor and could be impacted if the corridor is rerouted.</p> | <p>This corridor location within the current range where these species may occur is not easily resolved or avoided by corridor-level planning. Further analysis to determine the presence of all species occurring within the area will be considered outside of corridor-level planning. (3)</p> |

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| | | | | | | Southern Leatherside Chub is a state sensitive conservation agreement species that occurs along this corridor. Recommend working with the State of Utah to avoid or minimize impacts to Southern Leatherside Chub. | |
| Air Quality | | | | | | | |
| 66-209 .007 | BLM | Salt Lake FO | Utah, UT | Air Quality | Entire length of corridor | Agency Input: the corridor could occur within a non-attainment area. | <p>The corridor in this location has not been designated due to the National Defense Authorization Act (Section 2815(d) of Public Law 106-65). At such time the restriction is lifted, the optimal corridor location would be examined prior to designation.</p> <p>Not generally a consideration for corridor-level planning. At the project-level, any new project would need to take non-attainment into consideration. IOPs would be followed to minimize fugitive dust generation. (3)</p> |
| Paleontological Resources | | | | | | | |
| 66-209 .008 | BLM | Salt Lake FO | Utah County, UT | <p>PFYC Class 4</p> <p>PFYC Class 5</p> | <p>MP 0 to MP 1, MP 4, MP 6 to MP 8, MP 9</p> <p>MP 6 to MP 8, MP 10</p> | <p>GIS Analysis: PFYC Class 4 and 5 areas intersect corridor.</p> <p>Agency Input: corridor crosses the Green River Formation (Eocene) north of Helper, UT PFYC 5 rich in fossil fish, other vertebrates, plants and insects. The corridor also crosses Ankareh Formation (equivalent to Chinle) Formation (Triassic) which has fossil vertebrate tracks.</p> | <p>The corridor in this location has not been designated due to the National Defense Authorization Act (Section 2815(d) of Public Law 106-65). At such time the restriction is lifted, the optimal corridor location would be examined prior to designation.</p> <p>The identified potential of paleontological resources is a concern for the Agencies that cannot be resolved during corridor-level planning. Assessments will occur as part of the ROW application process. (3)</p> |

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| Visual Resources | | | | | | | |
| 66-209 .009 | BLM | Salt Lake FO | Utah, UT | VRM Class IV | MP 0 to MP 4 | GIS Analysis: VRM Class IV areas are as close as 2,100 ft south of corridor. | The existing corridor location best meets the siting principles. (1) |
| 66-209 .010 | BLM | Salt Lake FO | Utah, UT | VRM Class III | MP 10 to MP 11, MP 13 | GIS Analysis: VRM Class III areas and corridor intersect. | VRM Class III allows for moderate change to the characteristic landscape, although minimizing visual contrast remains a requirement. Management activities may attract the attention of the casual observer, but shall not dominate the view. (3) |
| 66-209 .011 | USFS | Uinta-Wasatch-Cache National Forest | Utah, UT | VQOs and ROS | Not specified. | Agency Input: VQO and ROS ratings. The ROS is Roaded Modified. Management activities may dominate the landscape. | The existing corridor location best meets the siting principles. (1) |
| Land Use Concerns | | | | | | | |
| Corridor pinched by BLM or USFS authorized use | | | | | | | |
| 66-209 .012 | USFS | Uinta-Wasatch-Cache National Forest | Utah, UT | Existing infrastructure | MP 9 to MP 11, MP 12 to MP 13 | GIS Analysis: congested corridor includes challenging terrain, transmission projects, U.S. Route 6, river, and railroad. Agency Input: corridor has large gaps of private land, so it is non-contiguous. There are also several pinch points where the corridor is full due to reduced width or configuration. There are 5 existing transmission lines (two 345kV, two 138kV and one 46 kV) and a buried BOR aqueduct adjacent to U.S. Route 6. | Congestion may limit future development in the corridor. Proposed project siting and colocation alternatives to address impacts would be analyzed during the ROW application process. (3) |
| Other noted land use concerns | | | | | | | |
| 66-209 .013 | NA | Private lands | UT | Agricultural lands | Not specified. | Comment on abstract: energy development may have impact on agriculture in adjacent areas | Corridor-level planning does not entail the detail necessary to prescribe operation and maintenance procedures |

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| | | | | | | if not developed and maintained properly (e.g., invasive and noxious weed species). Ensure that all developments, changes, or alterations to energy corridors do not adversely affect agriculture and domestic livestock grazing in the affected areas. | on hypothetical projects or corridor revisions. The concern will be addressed with specific, current information at the time of energy development proposal(s) (3). |

¹ Projects proposed in the corridor would be reviewed during their ROW application review process and would adhere to Federal laws, regulations, and policy.

² (1) = confirm existing corridor best meets siting principles; (2) = identify opportunities to improve corridor placement or IOPs; (3) = acknowledge concern not easily resolved or avoided by corridor-level planning.

Abstract Acronyms and Abbreviations

BLM = Bureau of Land Management; BOR = Bureau of Reclamation; CHAT = Crucial Habitat Assessment Tool; ESA = Endangered Species Act; FO = Field Office; GIS = geographic information system; IOP = interagency operating procedure; IRA = Inventoried Roadless Area; MP = milepost; PEIS = Programmatic Environmental Impact Statement; PFYC = Potential Fossil Yield Classification; RFI = request for information; ROD = Record of Decision; ROS = Recreation Opportunity Spectrum; ROW = right-of-way; USFS = U.S. Forest Service; USFWS = U.S. Fish and Wildlife Service; VQO = Visual Resource Management; VRM = Visual Resource Management; WGA = Western Governors’ Association; WWEC = West-wide Energy Corridor.