

Wayland, Joshua

From: Swenson, Merin <Merin.Swenson@icf.com>
Sent: Thursday, January 9, 2020 6:26 PM
To: gtodd@ubtanet.com
Cc: Wayland, Joshua; Rogers, Debra
Subject: Uinta Basin Railway EIS-Cumulative Projects, Plans, & Actions Request
Attachments: Attachment 1 Cumulative Plans and Projects List.docx; Attachment_2_Proposed Alternatives.pdf

To Greg Todd, Duchesne County:

The Surface Transportation Board (Board) is preparing an Environmental Impact Statement (EIS) for the proposed Uinta Basin Railway and would like to request your agency's input on other projects, plans, and actions (referred to collectively here as "actions") that we should consider in the cumulative impact analysis for the EIS. ICF is the independent third-party contractor assisting the Board's Office of Environmental Analysis with analysis for the EIS. Additional information about the proposed rail line and the Board's EIS process is available at the Board-sponsored website at www.UintaBasinRailwayEIS.com and on the Board's website at www.stb.gov under Docket No. FD 36284.

The purpose of the cumulative impact analysis is to analyze the potential impacts of the proposed rail line in combination with other past, present, and reasonably foreseeable future actions. ICF conducted a desktop analysis to generate the attached list of currently planned or reasonably foreseeable future actions in the four-county study area using publicly available sources (Attachment 1). The attached tables are organized by county and include information on planned projects such as the project name, project type, summary description, status, and location.

We would appreciate your assistance with reviewing and refining our preliminary list of cumulative actions to consider in the EIS. Please review the attached table(s) for the county(ies) in your jurisdiction and provide recommended additions, subtractions, or refinements to the preliminary list in tracked changes and/or comments. If you are adding new entries, please provide a brief description of the project, the location (APNs or major cross streets), general project status, and a link to any publicly available sources to document the project status if available (i.e., permit applications, plans of development, etc.).

A map showing the three alternatives for the Uinta Basin Railway is also attached (Attachment 2). We kindly request that your agency provide a list of actions and other relevant information via email or mail to the contact person below within ***two weeks from the receipt of this email***. If electronic files are too large to submit via email, please either 1) mail hardcopy or electronic files, or 2) email the contact below for a link to an FTP site where electronic files can be uploaded.

Please Send Your Project Information to the Following Contact:

Merin Swenson, ICF Environmental Planner, MerinSwenson@icf.com
14123 Denver W Pkway Suite 100, Golden CO 80401

Please call or e-mail me if you have any questions regarding this request. I appreciate your assistance.

Sincerely,
Merin Swenson

Attachments:
Attachment 1 – Cumulative Plans and Projects List

Attachment 2 - Uinta Basin Railway Proposed Alternatives Map



MERIN SWENSON | 303.792.7832 direct
| Merin.Swenson@icf.com | icf.com
Environmental Planner

ATTACHMENT 1. UINTA BASIN RAILWAY CUMULATIVE PLANS AND PROJECTS LISTS

Table 1 Uintah County Plans and Projects List

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Trails Master Plan ¹	Plan containing recommendations for improving trails and routes in Uintah county.	Pedestrian and bicycle trail and routes plan.	Adopted in 2018	Transportation, recreation, land use	Uintah County
	Uintah County General Plan ²	This Plan will serve as a framework for County decision makers as they consider future land use, development, and other decisions. The Plan is designed to provide a formal policy foundation for enhancing County and community relations, pursuing economic development activities, coordinating infrastructure planning, encouraging natural resource use, and fostering County and federal/state cooperation.	General plan	Adopted in 2017	Land use, minerals, socioeconomics,	Uintah County
	Vernal City General Plan Update 2009 to 2029 ³	The Vernal City General Plan Update (2009- 2029) is an official document intended to help the public understand the broad planning goals of the city, and to help decision makers evaluate development proposals in accordance to a coordinated vision for the community. Typically, the General Plan identifies future land uses (residential, commercial, public, parks, etc.), transportation and traffic options (highways and trails), and other elements that make up a community.	General plan	Adopted May 19, 2010	Land use, sensitive lands, parks recreation & tourism, economic development, infrastructure, transportation,	Vernal, Utah
	Ashley Valley Watershed Project ⁴	Improvements under consideration will address flood protection, watershed protection, agricultural water management, and public recreation development. An evaluation of potential alternatives and associated environmental impacts is required and will be documented in the form of an Environmental Assessment.	Watershed improvement project	In planning phase	Water resources, public utilities, farmland/agriculture, land use	Uintah County
	Enefit American Oil Utility Corridor Project ⁵	Construction and operation of 19 miles of water supply pipeline, 9 miles of natural gas supply pipeline, 11 miles of oil product line, 30 miles of single or dual overhead 138-kilovolt H-frame power lines, and 6 miles of Dragon Road upgrade and pavement across BLM- and State-administered lands in the BLM Vernal Field Office.	Utility project	ROD signed 9/26/2018	GHG, air quality, soil resources, mineral resources, water resources, vegetation, SSS, wildlife, cultural resources, paleontological resources, visual resources, land use, travel management, recreation, social and economic conditions	The Utility Project area is located in the southern portion of Township 8-10 South, Range 24-25 East, Salt Lake Meridian, in Uintah County, Utah, approximately 12 miles southeast of Bonanza, Utah. Vernal, Utah, is the nearest major municipality, located approximately 40 miles north of the Utility Project area. The community of Rangely, Colorado, is located approximately 25 miles northeast of the Utility Project study area.

¹ Uintah County. 2018. *Uintah County Trails Master Plan*. Available at: http://co.uintah.ut.us/document_center/CommunityDevelopment/Resolution%2012-10-2018%20R2.pdf. Accessed: December 9, 2019.

² Uintah County. 2017. *Uintah County General Plan 2017*. Available at: http://co.uintah.ut.us/document_center/CommunityDevelopment/Uintah_General_Plan_8_21_17_Public_Draft.pdf. Accessed: December 9, 2019.

³ Vernal City. 2010. *Vernal City General Plan Update – 2009 to 2029*. Available at: <https://vernalcity.org/DocumentCenter/View/143/General-Plan-PDF>. Accessed: December 16, 2019.

⁴ Uintah County. 2019. *Ashley Valley Watershed Project*. Available: http://co.uintah.ut.us/departments/a_-_e_departments/community_development/ashley_valley_watershed_project/index.php. Accessed: December 9, 2019.

⁵ BLM. 2018. *Final Environmental Impact Statement Enefit American Oil Utility Corridor Project*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=49830>. Accessed: December 9, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Gateway South Transmission Line ⁶	The Applicant proposes to construct, operate, and maintain a 500-kilovolt (kV), overhead, single-circuit, alternating-current, transmission line.	Transmission Line	FEIS published 2016, Estimated line in service for customers – 2024	GHG, air quality, soil resources, mineral resources, water resources, vegetation, SSS, wildlife, cultural resources, paleontological resources, visual resources, land use, travel management, recreation, social and economic conditions	Uinta County
	Pelican Lake Sediment Control Construction ⁷	Pelican Lake has severe sedimentation issues which need to be addressed to help restore this once Blue Ribbon Fishery. Three specific projects have been identified and are undergoing engineering and design in FY 2018 with completion of this phase scheduled for Spring of 2018. Projects includes: creation of sediment catch basin near Pelican Lake, improvements to the 1.5 miles of canal directly above Pelican Lake and creation of a Biofilter/wetland complex at the mouth Pelican Lake.	Water restoration project	2021	Water resources, wetlands, fisheries	Pelican Lake, 20 miles southwest of Vernal Utah
	Woods Road Reconstruction ⁸	This project will reconstruct the existing roadway to improve pavement condition and improve safety including wider shoulders. Construction is anticipated in 2023.	Road reconstruction	Construction in 2023	Transportation	FA-1552 / Start Milepost: 13.424 - End Milepost: 15.454
	1500 East Improvements in Ballard ⁹	Widen the existing roadway to provide shoulders that will accommodate pedestrian and bicycle access. The project will also address drainage and rehabilitate the roadway surface. Construction will occur in 2022.	Road widening	Construction in 2022	Transportation	FA-1550 / Start Milepost: 7.405 - End Milepost: 8.408
	Eastern Utah Regional Connection ¹⁰	The absence of a developed transportation corridor between the Uinta Basin and I-70 has long been a limiting factor for recreation, tourism, energy development, and land management efforts. The existing unpaved roads are insufficient to accommodate the traffic that would otherwise use the route to move people and products. The roads are impassible and dangerous during inclement weather. There is no all-weather alternative other than using SR-191 (Indian Canyon) or Colorado SR-139 (Douglas Pass – Loma to Rangely). These alternate routes are 244 and 201 miles longer, respectively, than the proposed corridor. The Eastern Utah Regional Connection would provide a more direct route between nationally important recreation areas such Yellowstone, Flaming Gorge, Dinosaur National Monument, Arches, Canyonlands, and the Grand Canyon.	New road construction	Priority evaluation planned	Transportation	Road would connect the Uintah Basin with 1-70

⁶ BLM. 2016. *Energy Gateway South Transmission Line Project*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=69112>. Accessed: December 9, 2019.

⁷ Utah’s Watershed Restoration Initiative. 2019. *Pelican Lake Sediment Control Construction*. Available at: <https://wri.utah.gov/wri/project/title.html?id=4437>. Accessed: December 10, 2019.

⁸ UDOT. 2019. *Woods Road*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13850,A. Accessed: December 10, 2019.

⁹ UDOT. 2019. *1500 East Improvements in Ballard*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13838,A. Accessed: December 10, 2019.

¹⁰ Seven County Infrastructure Coalition. 2019. *Eastern Utah Regional Connection*. Available at: <https://scic-utah.org/projects/eastern-utah-regional-connection>. Accessed: December 16, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	TransWest Express Transmission Project ¹¹	The TransWest Express Transmission Project will provide the transmission infrastructure and transmission capacity necessary to reliably and cost-effectively deliver approximately 20,000 GWh/yr of clean and sustainable electric energy generated in Wyoming to the Desert Southwest region, which for the purposes of the project is Arizona, Nevada and southern California.	Transmission infrastructure	In permitting and siting process. Estimated construction 2020-2023	Wildland fire, wildlife, SSS, LWC, wild horses, human health and safety, social and economic resources, transportation, special designations, land use, recreation, visual resources, cultural resources, vegetation, water resources, soils, geology, paleontology resources, mineral resources, air quality	Extending from south-central Wyoming to southern Nevada. The proposed transmission line (and alternatives) cross four states (Wyoming, Colorado, Utah, and Nevada). In Duchesne and Vernal Counties.
	DC Express Pipeline ¹²	The 20-inch petroleum pipeline will be capable of transporting between 30,000 and 120,000 barrels of crude oil per day (Uintah Basin production) from Duchesne County to existing rail facilities in Carbon County. The waxy crude oil will be blended with synthetic crude oil (syncrude) generated on the Myton side of the pipeline to control the viscosity and pour point of product in the pipeline. Typically, Uintah Basin crude oils require heating to be transported via pipeline. The syncrude production in Myton will allow the waxy crude to be blended and piped at temperatures as low as 35 degrees Fahrenheit without supplemental heating. In addition, the syncrude process breaks some of the longer, less valuable components of the crude oil, which reduces the burden on refinery and increases the market value.	Fluid minerals pipeline	Project on hold	Fluid minerals, land use	Duchesne County to Carbon County
	Finley Resources Inc. FD Federal Wells ¹³	Finley Resources Inc. proposes to directionally drill ten new oil wells on three new well pads and one existing well pad in Sections 25 and 35, T. 6 S., R. 19 E., Uintah County, Utah. The project area is located approximately 16 straight-line miles southwest of Vernal, Utah. The well pads, access roads, and pipelines would create approximately 17.40 acres in new surface disturbance.	Fluid minerals project	Final EA in progress	Fluid minerals	Approximately 16 straight-line miles southwest of Vernal, Utah
	Liberty Pioneer FSU 19-16 Gas Well ¹⁴	Liberty Pioneer Energy Source Proposes to drill one gas well in Township 12 South, Range 21 East, Section 19 in Uintah County, Utah. The well site would be located on BLM surface and mineral (UTU-84656) and is proposed as a vertical well bore. The entire access road and a portion of the pipeline corridor would be located on BLM surface with a 5,240-foot segment of the pipeline crossing adjacent SITLA surface. A right-of-way would be required for a 2,000 foot off-lease pipeline segment on BLM lands. Total potential for disturbance on BLM lands would be 10.55 acres.	Fluid minerals project	FONSI signed July 2019	Fluid minerals	Township 12 South, Range 21 East, Section 19 in Uintah County

¹¹ TransWest Express LLC. 2019. *TransWest Express: About the Project*. Available at: <http://www.transwestexpress.net/about/index.shtml>. Accessed: December 16, 2019.

¹² BLM. 2019. *DC Express Pipeline*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=41138&dctmId=0b0003e8807a6da3>. Accessed: December 16, 2019.

¹³ BLM. 2019. *Finley Resources Inc. FD Federal Wells*. Available at: https://eplanning.blm.gov/epl-front-office/projects/nepa/123973/20008196/250009707/Draft_DOI-BLM-UT-G010-2019-0068-EA_Public_Comment.pdf. Accessed: December 16, 2019.

¹⁴ BLM. 2019. *Liberty Pioneer FSU 19-16 Gas Well*. Available at: https://eplanning.blm.gov/epl-front-office/projects/nepa/123722/20000285/250000361/2019-0065-EA_FINAL.pdf. Accessed: December 16, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	EOG's East Chapita 83-03 Flexpipe Injection Line ¹⁵	EOG Resources Inc. proposes to connect the East Chapita 83-03 to the Cat G379TA compressor that is currently located on the East Chapita 84-03. The project is located in Section 3, T. 9 S., R. 23 E., Uintah County, Utah (Figure 2-1). A 2-inch 601 (1,500 psi rated) flexpipe injection line will be laid along the surface. Portions of this line will follow other existing surface lines in the area. There will be no new surface disturbance associated with the project. The line will be spooled out onto the roadway and then be boomed over onto the rights-of-way. The pipe will be fed through one culvert that is not actively being used for runoff purposes. The line will be trenched across the access road to the East Chapita 83-03. The trenching disturbance will take place on previously disturbed ground where the road was built. The project area is located approximately 30 miles south of Vernal, Utah.	Injection pipeline	In planning phase	Fluid minerals	30 miles south of Vernal, Utah
	State Protocol Agreement between BLM Utah and Utah SHPO ¹⁶	The Bureau of Land Management - is developing a State Protocol Agreement with the Utah State Historic Preservation Office (SHPO). The purpose of this Protocol is to outline how the BLM-Utah and the Utah SHPO will comply with Section 106 of the National Historic Preservation Act. The authority and requirements of this Protocol are contained within the National Programmatic Agreement between the BLM, the National Conference of State Historic Preservation Officers, and the Advisory Council on Historic Preservation.	Agreement	Final Protocol Agreement in process	Cultural Resources	Utah

¹⁵ BLM. 2019. *EOG's East Chapita 83-03 Flexpipe Injection Line*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=124357&dctmId=0b0003e88144e658>. Accessed: December 16, 2019.

¹⁶ BLM. 2019. *State Protocol Agreement between BLM Utah and Utah SHPO*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=124110&dctmId=0b0003e881444c1a>. Accessed: December 12, 2019.

Table 2 Duchesne County Plans and Projects List

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	2019 Watershed Plan ¹⁷	Plan for implementing several component projects for the purpose of increasing water supply, improving water quality, and enhancing the environment within Duchesne County. Includes the following proposed actions: • Yellowstone Feeder Canal • Roosevelt City and Ballard City Flood Control • Gray Mountain Canal • Dry Gulch Irrigation Company Class “B” • Uintah Indian Irrigation Project (UIIP) • Myton City Flood Control • Dry Gulch Irrigation Company Class “C” • Altamont City Flood Control • Lake Fork Western Canal • South Boneta Canal • Uintah Basin Irrigation Company • Duchesne County Noxious Weed Control	Watershed plan	EA contract awarded	Water resources	Duchesne County
	Duchesne County General Plan ¹⁸	The Duchesne County General Plan is an effort by the County and its citizens to address the present and future needs of Duchesne County. This Plan addresses specific issues identified by County residents as County priorities and outlines a series of strategies designed to accomplish County goals and objectives.	General Plan	Adopted in 1997, amended July 2017	Land use, cultural resources, tribal relations, socioeconomic resources, housing, transportation, mineral resources, agriculture, livestock & grazing, wildlife, forest management, vegetation, water resources, wild & scenic rivers, recreation, fire management, land access, geo and paleo resources, T&E species, wilderness areas, safety and security	Duchesne County
	Roosevelt Library ¹⁹	A 14,000 SF new library branch to be built in Roosevelt or an 8,500 SF expansion of the exiting library to adequately facility and promote growth and opportunity for learning for the community of Roosevelt.	Library	Feasibility study completed in 2018	Socioeconomics	Roosevelt
	Roosevelt Main Street Revitalization Plan ²⁰	Revitalization strategy to ensure Main Street remains a functional commercial center for Roosevelt.	Redevelopment plan	2016	Land use, transportation	Downtown Roosevelt - the four blocks at the intersection of Main Street and Lagoon Street
	Myton Diversion Fish Passage Structure Monitoring ²¹	Construction of the Myton Diversion fish passage structure in 2015 eliminated an impassable barrier, opening over 20 miles of habitat to native fishes in the Duchesne River. Prior to construction, funds for long-term operation and maintenance were not clearly identified. UDWR's Northeastern Region was subsequently tasked with monitoring success of this fish passage structure (operation and post-passage in-stream surveys), yet limited ESMF funds need to be supplemented to carry out these tasks.	Fish passage structure/ladder	Planning phase	Water resources, wildlife	Duchesne River

¹⁷ Duchesne Water Conservancy District. 2019. *Duchesne Water Conservancy District Watershed Plan EA SOW*. Available at: http://dcwcd.org/assets/15/DCWCD_Statement_of_Work_3-25-19_updated_.pdf. Accessed: December 9, 2019.

¹⁸ Duchesne County. 2017. *Duchesne County General Plan*. Available at: <http://www.duchesne.utah.gov/wp-content/uploads/2017/01/General-Plan-2017-w-RMP.pdf>. Accessed: December 10, 2019.

¹⁹ Duchesne County Library System. 2018. *Roosevelt Library Feasibility Study*. Available at: <https://www.duchesne.utah.gov/your-government-2/county-departments/library/new-roosevelt-branch-project/>. Accessed: December 10, 2019.

²⁰ Roosevelt City. 2016. *Roosevelt Main Street Revitalization Plan*. Available at: <http://rooseveltcity.com/DocumentCenter/View/2576/Roosevelt-Main-Street-Plan>. Accessed: December 10, 2019.

²¹ Utah's Watershed Restoration Initiative. 2019. *Myton Diversion Fish Passage Structure Monitoring*. Available at: <https://wri.utah.gov/wri/project/title.html?id=4653>. Accessed: December 10, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Duchesne County Trails Master Plan ²²	Develop a countywide pedestrian and bicycle trails master plan for Duchesne County. The master plan will incorporate other agency trail plans and input into a single document. The document will identify locations where trails can be improved as well as potential future corridors. Completed master plan will be available by early 2020.	Pedestrian/bicycle trails master plan	Available by 2020	Transportation	Duchesne County
	State Street; 800 South to 300 South road widening project ²³	Widen the existing roadway to provide shoulders that will accommodate pedestrian and bicycle access. The project will also address drainage and rehabilitate the roadway surface. Construction will occur in 2022.	Road widening project	Construction in 2020	Transportation	State Street between 800 South and 300 South
	Myton Main Street ²⁴	Reconstruct the existing roadway by milling existing asphalt surface and replacing with 4-inch surface course. Shoulders will be modified to tie into existing curb and gutter to improve drainage. Construction is scheduled for 2022.	Road reconstruction	Construction in 2022	Transportation	Main Street, Myton, Utah
	US-40; Pleasant Valley to Myton ²⁵	This project will extend the life of the pavement by milling 3" of asphalt and replacing it with 3" of HMA and a microsurface.	Road resurfacing	Construction start date 2020	Transportation	US-40/ Start Milepost: 103.494 – End Milepost: 106.282
	SR-87; MP 10.86-19.95, Roadside Improvements ²⁶	Construct safety improvements along SR-87 MP 10.8 to MP 19.7 including shoulder widening, guardrail, and drainage improvements. Construction is scheduled during 2019.	Road improvements	Construction Start date March 2020	Transportation	SR-87 / Start Milepost: 10.8 - End Milepost: 20.2
	Badlands Lop and Scatter Project ²⁷	Wildlife habitat improvement project targeting the removal of encroaching conifers (pinyon, juniper, and Douglas fir), located on the South Unit of the Ashley National Forest. Treatment would be done through mechanical means using chainsaws.	Vegetation/forestry project	Under analysis	Vegetation, forestry	The project is located on the west side of the South Unit of the Duchesne/Roosevelt Ranger District of the Ashley National Forest, approximately 20 miles southwest of Duchesne Utah.
	Badlands Trail Project – Part 2 ²⁸	Construction of an OHV trail connection on the South Unit of the Duchesne/Roosevelt Ranger District. The segment would connect Sowers Canyon Road to Forest Service Road 497. This segment would be approximately 3.3 miles.	OHV Trail	Under analysis	OHV, transportation, vegetation	he project is located south of Highway 40 at the junction of Sowers Canyon Road and Forest Service Road 497, approximately 6.15 miles south of the Bridgeland turn off.
	Ashley National Forest Aspen Restoration Project ²⁹	Programmatic restoration of aspen stands on the Ashley National Forest outside of Wilderness.	Forest restoration project	In scoping	Forestry, vegetation	All aspens stands on the Ashley National Forest outside of wilderness
	Ashley National Forest – Forest Plan Revision ³⁰	The Ashley National Forest is currently revising the Forest Plan. The Ashley's existing Forest Plan is from 1986 and needs to be updated to reflect current natural resource conditions.	Forest Plan	In scoping	Land use, forestry, wilderness, water resources, air quality, transportation	All lands in Ashley National Forest

²² UDOT. 2019. *Duchesne County Trails Master Plan*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13842,A. Accessed: December 10, 2019.

²³ UDOT. 2019. *State Street; 800 South to 300 South, Roosevelt*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13835,A. Accessed: December 10, 2019.

²⁴ UDOT. 2019. *Myton Main Street*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13848,A. Accessed: December 10, 2019.

²⁵ UOT. 2019. *US-40; Pleasant Valley Int to Myton*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:14699,A. Accessed: December 11, 2019.

²⁶ UDOT. 2019. *SR-87; MP 10.86-19.95, Roadside Improvements*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:12795,A. Accessed: December 11, 2019.

²⁷ U.S. Forest Service. 2019. *Badlands Lop and Scatter Project*. Available at: <https://www.fs.usda.gov/project/?project=57243&exp=detail>. Accessed: December 12, 2019.

²⁸ U.S. Forest Service. 2019. *Badlands Trail Project – Part 2*. Available at: <https://www.fs.usda.gov/project/?project=57244>. Accessed: December 12, 2019.

²⁹ U.S. Forest Service. 2019. *Ashley National Forest Aspen Restoration Project*. Available at: <https://www.fs.usda.gov/project/?project=57075>. Accessed: December 12, 2019.

³⁰ U. S. Forest Service. 2019. *Ashley National Forest – Forest Plan Revision*. Available at: <https://www.fs.usda.gov/project/?project=49606>. Accessed: December 12, 2019.

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	TransWest Express Transmission Project ³¹	The TransWest Express Transmission Project will provide the transmission infrastructure and transmission capacity necessary to reliably and cost-effectively deliver approximately 20,000 GWh/yr of clean and sustainable electric energy generated in Wyoming to the Desert Southwest region, which for the purposes of the project is Arizona, Nevada and southern California.	Transmission infrastructure	In permitting and siting process. Estimated construction 2020-2023	Wildland fire, wildlife, SSS, LWC, wild horses, human health and safety, social and economic resources, transportation, special designations, land use, recreation, visual resources, cultural resources, vegetation, water resources, soils, geology, paleontology resources, mineral resources, air quality	Extending from south-central Wyoming to southern Nevada. The proposed transmission line (and alternatives) cross four states (Wyoming, Colorado, Utah, and Nevada). In Duchesne and Vernal Counties.
	Gateway South Transmission Line ³²	The Applicant proposes to construct, operate, and maintain a 500-kilovolt (kV), overhead, single-circuit, alternating-current, transmission line.	Transmission Line	FEIS published 2016, Estimated line in service for customers – 2024	GHG, air quality, soil resources, mineral resources, water resources, vegetation, SSS, wildlife, cultural resources, paleontological resources, visual resources, land use, travel management, recreation, social and economic conditions	Uinta County
	Finley Resources Seven Proposed Aurora Federal Wells ³³	The drilling seven new oil wells. Five of these wells are proposed to be drilled on two, newly constructed well pads while the other two wells would be drilled on two existing well pads with no new surface disturbance anticipated.	Fluid minerals project	EA and FONSI published November 2019	Fluid minerals	These wells are proposed on private surface approximately one mile east of Pelican Lake.
	Finley Resources Inc. Aurora Federal Split Estate Wells ³⁴	Finley Resources Inc. proposed new surface disturbance from the construction of two new well pads that would result in approximately 6.89 acres of new disturbance. All nine Appendix A Page 4 wells would be drilling within 4 years of an approved permit to drill.	Fluid minerals project	EA and FONSI published October 2019	Fluid minerals	Sections 17, 19, 21, 22, 26, 27, 28, and 34 Township 7 South, Range 20 East
	Finley Resources In. Aurora Federal 1-7D-7-20 ³⁵	Approximately 2,896 feet of pipeline corridor containing up to four lines; one natural gas pipeline up to 12-inch in diameter, one water line up to 8-inch in diameter, one residue line up to 4-inch in diameter and one 8-inch fresh water/completion water pipeline. Pipelines would be constructed of steel or polyethylene and would connect to the proposed pipelines servicing nearby Finley wells. There will be 1.99 acres of new surface disturbance associated with the proposed pipeline(s).	Fluid minerals project	EA and FONSI published July 2019	Fluid minerals	Section 7, Township 7 South, Range 20 East

³¹ TransWest Express LLC. 2019. *TransWest Express: About the Project*. Available at: <http://www.transwestexpress.net/about/index.shtml>. Accessed: December 16, 2019.

³² BLM. 2016. *Energy Gateway South Transmission Line Project*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=69112>. Accessed: December 9, 2019.

³³ BLM. 2019. *Finley Resources Seven Proposed Aurora Federal Wells*. Available at: <https://eplanning.blm.gov/epl-front-office/projects/nepa/1501987/20008210/250009721/2020-0005-EA-FINAL.pdf>. Accessed: December 13, 2019.

³⁴ BLM. 2019. *Finley Resources Inc. Aurora Federal Split Estate Wells*. Available at: <https://eplanning.blm.gov/epl-front-office/projects/nepa/1501854/20005624/250006534/2020-0002-EA.pdf>. Accessed: December 13, 2019.

³⁵ BLM. 2019. *Finley Resources Inc. Aurora Federal Split Estate Wells*. Available at: <https://eplanning.blm.gov/epl-front-office/projects/nepa/124401/20000294/250000370/2019-0072-EA-FINAL.pdf>. Accessed: December 13, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	DC Express Pipeline ³⁶	The 20-inch petroleum pipeline will be capable of transporting between 30,000 and 120,000 barrels of crude oil per day (Uintah Basin production) from Duchesne County to existing rail facilities in Carbon County. The waxy crude oil will be blended with synthetic crude oil (syncrude) generated on the Myton side of the pipeline to control the viscosity and pour point of product in the pipeline. Typically, Uintah Basin crude oils require heating to be transported via pipeline. The syncrude production in Myton will allow the waxy crude to be blended and piped at temperatures as low as 35 degrees Fahrenheit without supplemental heating. In addition, the syncrude process breaks some of the longer, less valuable components of the crude oil, which reduces the burden on refinery and increases the market value.	Fluid minerals pipeline	Project on hold	Fluid minerals, land use	Duchesne County to Carbon County
	March 2020 Utah Oil and Gas Lease Sale ³⁷	The Bureau of Land Management (BLM) proposes to offer 25 parcels totaling approximately 32,713.76 acres in BLM managed lands in the Green River District for the March 10, 2020, quarterly oil and gas lease sale. This notice initiates a 30-day public comment period on the environmental document beginning on December 3, 2019 and ends on January 3, 2020	Fluid minerals project	March 2020	Wildlife, air quality, water resources, mineral resources	Green River District
	State Protocol Agreement between BLM Utah and Utah SHPO ³⁸	The Bureau of Land Management - is developing a State Protocol Agreement with the Utah State Historic Preservation Office (SHPO). The purpose of this Protocol is to outline how the BLM-Utah and the Utah SHPO will comply with Section 106 of the National Historic Preservation Act. The authority and requirements of this Protocol are contained within the National Programmatic Agreement between the BLM, the National Conference of State Historic Preservation Officers, and the Advisory Council on Historic Preservation.	Agreement	Final Protocol Agreement in process	Cultural Resources	Utah

³⁶ BLM. 2019. *DC Express Pipeline*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=41138&dctmId=0b0003e8807a6da3>. Accessed: December 16, 2019.

³⁷ BLM. 2019. *2020 Utah March Competitive Oil and Gas Lease Sale*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=1501633>. Accessed: December 16, 2019.

³⁸ BLM. 2019. *State Protocol Agreement between BLM Utah and Utah SHPO*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=124110&dctmId=0b0003e881444c1a>. Accessed: December 12, 2019.

Table 3 Carbon County Plans and Projects List

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Price City General Plan ³⁹	Contains short and long-range goals and strategies to guide growth and development within the City. The Plan focuses on improving the physical environment of the City as well as the quality of life of citizens.	General plan	Updated/adopted on January 13, 2016	Land use, community design, transportation, economics, housing, parks and recreation, public facilities and services	The city of Price, Utah
	Helper General Plan ⁴⁰	The Helper City General Plan promotes the values of historic preservation, beauty, recreational opportunities, economic diversity, stability and promotion, and community involvement to direct the future growth and development of Helper City.	General plan	Adopted May 3, 2012	Land use, transportation, economic development, public facilities, arts and recreation, affordable housing	The city of Helper, Utah
	Price Municipal Corporation Community Affordable Housing Plan ⁴¹	As a fundamental need in the community, Price City desires to address affordable housing to meet its fundamental mission: the health, safety and welfare of all residents. The purpose of this plan is to provide information and a planning framework to assist Price City elected officials and professional staff in efforts to improve any affordable housing deficiencies experienced within the community.	Affordable housing plan	Revised June 2018	Socioeconomics, environmental justice	The city of Price
	Carbon County Master Plan ⁴²	The 1994-95 Carbon County Planning Project and the subsequent Carbon County General Plan are efforts by the County and its citizens to address the present and future needs of Carbon County. This Plan addresses specific issues identified by County residents as County priorities and outlines a series of strategies designed to accomplish County goals and objectives.	General plan	Adopted in 1995, updated in 1997	Land use, transportation, environmental issues, public services and facilities, rehabilitation and redevelopment, economic concerns	Carbon County
	Carbon County Trails Plan ⁴³	The purpose of the Carbon County Trails Plan is to identify key trail corridors within Carbon County available for public recreation use. This includes recreation opportunities for residents and visitors. Implementation of this plan will assist with community and economic development for the area.	Recreation plan	Adopted in 1995	Recreation, land use	Carbon County
	Road preventative damage treatment at 1900 East and 600 North to 800 North ⁴⁴	This project will rehabilitate the road by smoothing out rough spots, adding a layer of asphalt and improving the shoulders.	Road preservation project	Scheduled for 2020	Transportation	Start Milepost: .63 - End Milepost: .995 near Price, Utah
	Peerless Port of Entry ⁴⁵	Building new and improving existing maintenance, visitor and welcome facilities.	Port of entry project	Construction start date: March 2020	Transportation	US-6 / Start Milepost: 236.83 - End Milepost: 237.83
	US-6; 100 North Interchange Improvements ⁴⁶	Carbon County is making landscaping enhancements at the 100 North Interchange on route US-6 in Price. This is a multiple agency and entity partnership effort. UDOT is participating financially by contributing \$50,000 toward landscape materials.	Road landscaping enhancement project	In design phase	Transportation, visual resources	US-6 / Start Milepost: 239.5 - End Milepost: 240.2

³⁹ Price City. 2016. *Price City General Plan*. Available at: https://www.pricecityutah.com/uploads/1/1/9/7/119716550/price_city_general_plan_1-13-2016.pdf. Accessed: December 10, 2019.

⁴⁰ Helper City. 2012. *Helper General Plan*. Available at: <https://digitallibrary.utah.gov/awweb/awarchive?type=file&item=60321>. Accessed: December 16, 2019.

⁴¹ Price City. 2018. *Price Municipal Corporation Community Affordable Housing Plan*. Available at: https://www.pricecityutah.com/uploads/1/1/9/7/119716550/2018_price_city_affordable_housing_plan_9-12-18.pdf. Accessed: December 10, 2019.

⁴² Carbon County. 1997. *Carbon County Master Plan*. Available at: [file:///C:/Users/31651/Downloads/Master%20Plan%20Complete%20\(2\).pdf](file:///C:/Users/31651/Downloads/Master%20Plan%20Complete%20(2).pdf). Accessed: December 10, 2019.

⁴³ Carbon County. 1995. *Carbon County Trails Plan*. Available at: <file:///C:/Users/31651/Downloads/Trails%20Plan.pdf>. Accessed: December 10, 2019.

⁴⁴ UDOT. 2019. *1900 East Phase III, 600 North to 800 North*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:10347,A. Accessed: December 10, 2019.

⁴⁵ UDOT. 2019. *Peerless Port of Entry*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13985,A. Accessed: December 10, 2019.

⁴⁶ UDOT. 2019. *US-6 100 North Interchange Improvements*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:13558,A. Accessed: December 10, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Rehabilitation of high volume road damage at SR-157; Kenilworth Rd & SR-139; Spring Glen Rd ⁴⁷	Rehabilitation of high volume road damage at SR-157; Kenilworth Rd & SR-139; Spring Glen Rd.	Road rehabilitation project	Proposed construction start date: June 2020	Transportation	SR-157; Kenilworth Rd & SR-139; Spring Glen Rd
	MS4 stormwater infrastructure improvements ⁴⁸	Stormwater infrastructure improvements at SR-10 / Start Milepost: 67.666 - End Milepost: 67.785.	Stormwater management	In design phase	Water resources, utilities	SR-10 / Start Milepost: 67.666 - End Milepost: 67.785
	Tavaputs Plateau Sagegrouse Habitat Restoration 2.0 ⁴⁹	This project will promote resilience to Greater Sage Grouse habitat within a Priority Habitat Management Area (PHMA) on an approximately 2,145 acre footprint of the Tavaputs Plateau. Encroaching pinyon-juniper trees will be thinned, shredded utilizing various treatment methods including: lop & scatter (392 Acres), bullhog (1753 Acres), aerial grass seeding (1753 Acres). An additional 25 acres of high-diversity forb seeding will be implemented within the 56 acres of phase II woodland	Habitat restoration project	2020	Special status species, vegetation	The project is located approximately 15 miles northeast of Sunnyside, UT on the West Tavaputs Plateau, along Cedar Ridge and Cottonwood Ridge. The project vicinity is predominately in the lower half of T13S R16E, (Sec's 13, 14 & 21-35). The project vicinity is completely within the Southeast UT WRI focus area.
	1900 East Phase III, 600 North to 800 North ⁵⁰	This project will preserve Utah's infrastructure by applying cost effective treatments before major rehabilitation is required. The preservation efforts may include the resurfacing of the roadway and/or bridges and will seal cracks, improve ride quality and increase skid resistance.	Road preservation treatments	Proposed construction start date: July 2020	Transportation	1900 East Phase III, 600 North to 800 North
	Ridge Road Reconstruction ⁵¹	Ridge Road has experienced deterioration due to the heavy volume of truck traffic. Deterioration of the road has caused public safety concerns for vehicles using the road. Reconstructing the road for the heavier truck volume will increase public safety for users of the road and relieve truck traffic congestion in other residential areas throughout Carbon County.	Road reconstruction	Feasibility evaluation in process	Transportation	Ridge road
	Gateway South Transmission Line ⁵²	The Applicant proposes to construct, operate, and maintain a 500-kilovolt (kV), overhead, single-circuit, alternating-current, transmission line.	Transmission Line	FEIS published 2016, Estimated line in service for customers – 2024	GHG, air quality, soil resources, mineral resources, water resources, vegetation, SSS, wildlife, cultural resources, paleontological resources, visual resources, land use, travel management, recreation, social and economic conditions	Uinta County

⁴⁷ UDOT. 2019. *SR-157; Kenilworth Rd & SR-139; Spring Glen Rd*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:11710,A. Accessed: December 10, 2019.

⁴⁸ UDOT. 2019. *MS4 Improvements*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:14977,A. Accessed: December 10, 2019.

⁴⁹ Utah's Watershed Restoration Initiative. 2019. *Tavaputs Plateau Sagegrouse Habitat Restoration*. Available at: <https://wri.utah.gov/wri/project/title.html?id=5007>. Accessed: December 11, 2019.

⁵⁰ UDOT. 2019. *1900 East Phase III, 600 North to 800 North*. Available: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:10347,A. Accessed: December 11, 2019.

⁵¹ Seven County Infrastructure Coalition. 2019. *Ridge Road Reconstruction*. Available at: <https://scic-utah.org/projects/ridge-road-reconstruction>. Accessed: December 11, 2019.

⁵² BLM. 2016. *Energy Gateway South Transmission Line Project*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=69112>. Accessed: December 9, 2019.

Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	DC Express Pipeline ⁵³	The 20-inch petroleum pipeline will be capable of transporting between 30,000 and 120,000 barrels of crude oil per day (Uintah Basin production) from Duchesne County to existing rail facilities in Carbon County. The waxy crude oil will be blended with synthetic crude oil (syncrude) generated on the Myton side of the pipeline to control the viscosity and pour point of product in the pipeline. Typically, Uintah Basin crude oils require heating to be transported via pipeline. The syncrude production in Myton will allow the waxy crude to be blended and piped at temperatures as low as 35 degrees Fahrenheit without supplemental heating. In addition, the syncrude process breaks some of the longer, less valuable components of the crude oil, which reduces the burden on refinery and increases the market value.	Fluid minerals pipeline	Project on hold	Fluid minerals, land use	Duchesne County to Carbon County
	Finley 5-29D-7-20 ⁵⁴	Finley proposes to drill one split estate oil well using in Sections 29 of T. 7 S., R. 20 E. The well pad, access road, and pipeline will be constructed on private land and will produce federal minerals.	Fluid minerals	FONSI signed September 2019	Fluid minerals	Sections 29 of T. 7 S., R. 20 E
	State Protocol Agreement between BLM Utah and Utah SHPO ⁵⁵	The Bureau of Land Management - is developing a State Protocol Agreement with the Utah State Historic Preservation Office (SHPO). The purpose of this Protocol is to outline how the BLM-Utah and the Utah SHPO will comply with Section 106 of the National Historic Preservation Act. The authority and requirements of this Protocol are contained within the National Programmatic Agreement between the BLM, the National Conference of State Historic Preservation Officers, and the Advisory Council on Historic Preservation.	Agreement	Final Protocol Agreement in process	Cultural Resources	Utah

⁵³ BLM. 2019. *DC Express Pipeline*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=41138&dctmId=0b0003e8807a6da3>. Accessed: December 16, 2019.

⁵⁴ BLM. 2019. *Environmental Assessment for Finley 5-29D-7-20*. Available at: <https://eplanning.blm.gov/epl-front-office/projects/nepa/123638/20000809/250000942/2019-0063-DR-EA-FONSI.pdf>. Accessed: December 16, 2019.

⁵⁵ BLM. 2019. *State Protocol Agreement between BLM Utah and Utah SHPO*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=124110&dctmId=0b0003e881444c1a>. Accessed: December 12, 2019.

Table 4 Utah County Plans and Projects List

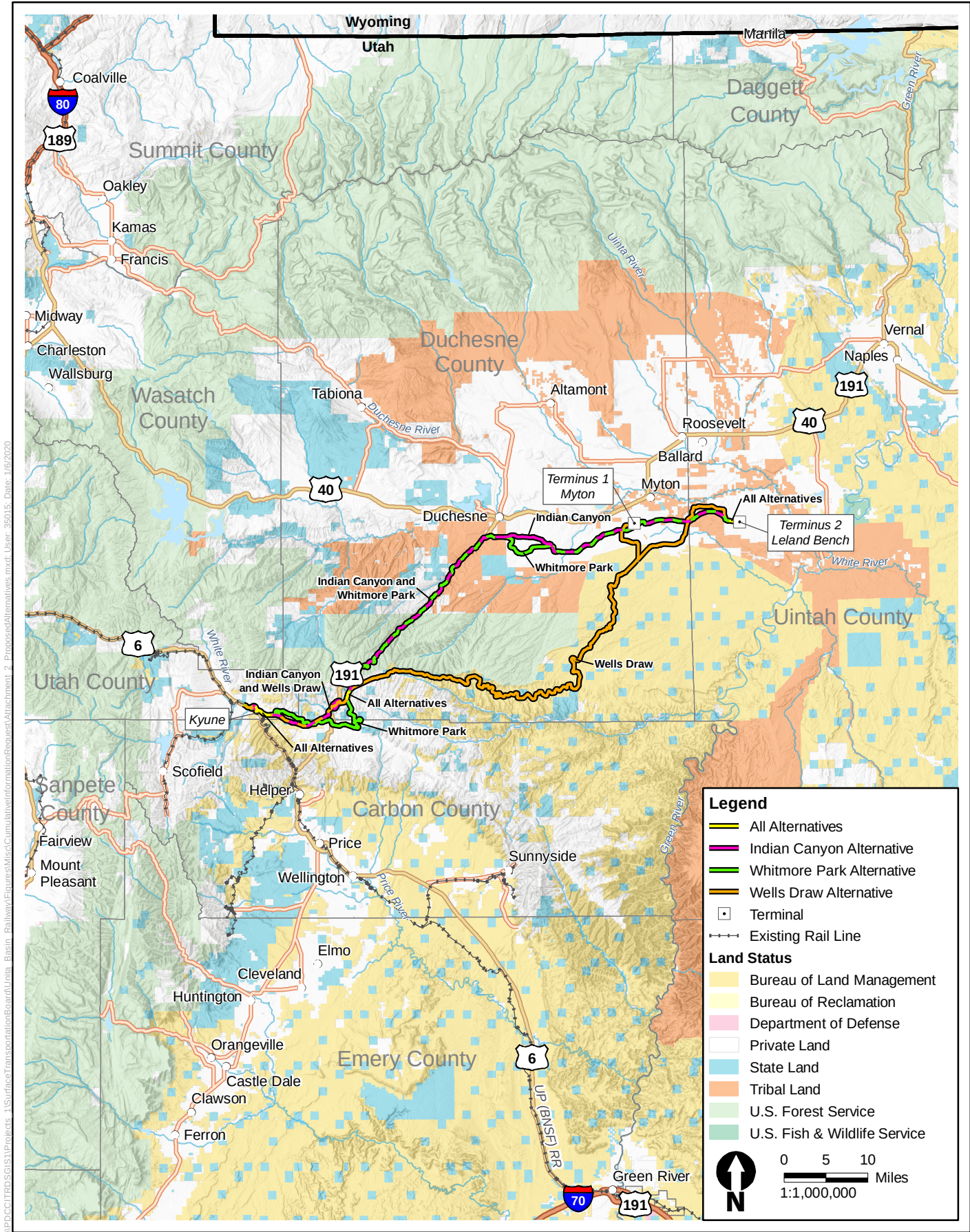
Map ID	Project Name	Description	Project Type	Status/Timing	Resources Potentially Affected	Location
	Utah County General Plan ⁵⁶	This general plan is an advisory guide for land use decisions that may be implemented through the Utah County Land Use Ordinance and other adopted county codes and ordinances.	Land use plan	Adopted in 2014	Land use, cultural resources, agricultural farmland, socioeconomics, water resources	Utah County
	US-6, MP 200 Bridge Ride Fix ⁵⁷	Fix for the rough ride over the structures near MP 200 in SF Canyon.	Bridge project	In planning phase	Transportation	US-6 / Start Milepost: 200.6 - End Milepost: 200.8
	Horse Bench Natural Gas Development Project ⁵⁸	XTO Energy submitted a proposal to develop the natural gas resources from its mineral lease in the Horse Bench Project Area. XTO indicated conceptual locations of approximately 16 potential well pads for up to 175 wells; from which natural gas resources could be developed from. XTO expects that a significant amount of the proposed development area would ultimately produce enough natural gas to be economically viable. Should the wells become producers, it is anticipated that the life of the individual well could last for approximately 30 years.	Fluid minerals project	FONSI signed 9/2018	Fluid minerals	6,565 acres including parts of Township 12 South, Range 16 East; and Township 12 South, Range 17 East; Salt Lake Meridian, Carbon County, Utah.
	State Protocol Agreement between BLM Utah and Utah SHPO ⁵⁹	The Bureau of Land Management - is developing a State Protocol Agreement with the Utah State Historic Preservation Office (SHPO). The purpose of this Protocol is to outline how the BLM-Utah and the Utah SHPO will comply with Section 106 of the National Historic Preservation Act. The authority and requirements of this Protocol are contained within the National Programmatic Agreement between the BLM, the National Conference of State Historic Preservation Officers, and the Advisory Council on Historic Preservation.	Agreement	Final Protocol Agreement in process	Cultural Resources	Utah

⁵⁶ UDOT. 2014. *Utah County General Plan*. Available at: <http://www.utahcounty.gov/Dept/ComDev/2014GeneralPlanUpdatedJan2015.pdf>. Accessed: December 11, 2019.

⁵⁷ UDOT. 2019. *US-6; MP 200 Bridge Ride Fix*. Available at: https://www.udot.utah.gov/projectpages/f?p=250:2007:::NO:2007:P2007_EPM_PROJ_XREF_NO,P2007_PROJECT_TYPE_IND_FLAG:12839,A. Accessed: December 10, 2019.

⁵⁸ BLM. 2018. *Horse Bench Natural Gas Development*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageld=139600>. Accessed: December 12, 2019.

⁵⁹ BLM. 2019. *State Protocol Agreement between BLM Utah and Utah SHPO*. Available at: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=124110&dctmId=0b0003e881444c1a>. Accessed: December 12, 2019.



Attachment 2
Proposed Alternatives