

## APPENDIX H – VISUAL RESOURCES SUPPORTING DATA

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Information in this appendix was compiled to support the discussion of visual resources in Chapter 3 and Chapter 4. Included as aids are photographs representing selected project-level scenery rating units, a table listing the agency-approved key observation points (KOPs), contrast rating worksheets from each KOP location, and associated visual simulations. Further information regarding the development of the Energy Gateway South Transmission Project’s (Project) visual resource assessment including methods and results is provided in the Project’s Visual Resource Technical Report.

As described in Section 3.2.16.4, project-level scenery rating units were developed within a 6-mile-wide corridor centered on the reference centerlines across all jurisdictions (visual resource study corridor). To aid the reader in understanding the scenery crossed by the Project, photographs representing selected project-level scenery rating units have been included in this appendix (Exhibit H1). The selected scenery rating units include typical landscapes representing Class A, Class B, and Class C landscapes (as applicable) in each state as well as key landscapes described in Section 3.2.16. For a complete set of project-level scenery rating unit worksheets, including representative photographs, please refer to the Project’s Visual Resource Technical Report.

To comply with *BLM Manual Section 8400 – Visual Resource Management*, in particular Visual Resource Management (VRM) Handbook 8431-1, contrast rating worksheets were developed from each agency-approved KOP location. To maintain consistency across all jurisdictions crossed by the Project, contrast rating worksheets were completed for Bureau of Land Management (BLM), U.S. Forest Service (USFS), tribal, and state-administered lands as well as from private lands. These contrast rating worksheets were used to verify the impact model, document visual contrast resulting from the Project, and identify areas where the Project would not meet the definition of the federal agency visual management objective (BLM VRM Objectives or USFS Visual Quality Objectives [VQO]), which may require an amendment to the applicable agency management plan (BLM resource management plan [RMP] or USFS land and resource management plan [LRMP], referred to in this document as land-use plan amendments).

A total of 145 KOPs were identified for analysis and are listed in Table H-1 (Exhibit H2). The table includes nine components for each KOP:

1. KOP identification number,
2. KOP name (viewing location name),
3. concern level factors (viewing duration, volume of use, concern for aesthetics, scenic or historic status, type of use, and overall concern level),
4. the associated Project link number(s),
5. whether the view is from BLM- or USFS-administered lands, view of BLM- or USFS-administered lands, or would both be located on and view non-federally administered lands (e.g., state-administered lands and private lands),
6. whether the KOP is of national significance,
7. whether a visual simulation was identified,
8. approximate distance from the Project, and
9. a brief rationale describing why each KOP was selected.

Please note, the concern levels identified for viewing locations not represented by a KOP can be found in the Project's Visual Resource Technical Report. Following the table, each KOP has a completed contrast rating worksheet (Exhibit H2) and where applicable, a visual simulation depicting the existing condition and simulated condition with the addition of the Project (Exhibit H3). Visual simulations were developed to demonstrate the potential impacts and associated contrast generated by the addition of the Project in a variety of landscape settings. A total of 47 simulations were prepared from 45 viewpoints throughout the Project area including views from residential areas, travel routes, recreation areas, and special designations. In addition, a total of 35 cumulative effect simulations were prepared from 33 viewpoints to present the cumulative effect associated with the incremental modification of views through the addition of the Project, TransWest Express Project, and/or the Energy Gateway West Project.

**Exhibit H1 –  
Selected Project-level  
Scenery Rating Unit Photographs**

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## Wyoming



**Typical Class B Scenery**



**Typical Class C Scenery**

## Colorado



**Typical Class B Scenery**



**Class B Scenery: Little Snake River**



**Class B Scenery: Tavaputs Plateau**



**Class B Scenery: Yampa River**



**Typical Class C Scenery**

## Utah



**Class A Scenery: Argyle Canyon**



**Class A Scenery: Green River (Uinta Basin physiographic section)**



**Class A Scenery: Strawberry River**



**Class A Scenery: Wasatch Plateau Alpine**



**Class A Scenery: Wasatch Plateau Park**



**Typical Class B Scenery**



**Class B Scenery: Bad Land Cliffs**



**Class B Scenery: Book Cliffs**



**Class B Scenery: Wasatch Plateau**



**Typical Class C Scenery**

**Exhibit H2 –  
Key Observation Point  
Contrast Rating Worksheets**

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## LIST OF ACRONYMS AND ABBREVIATIONS<sup>1</sup>

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Dr	Drive
FR	Forest Road
HWY	Highway
NF	National Forest
NHD	National Historic District
SB	Scenic Byway
SRMA	Special Recreation Management Area
WMA	Wildlife Management Area
WSA	Wilderness Study Area

Note: <sup>1</sup>These acronyms and abbreviations were used as needed, due to space limitations in the name field, on the visual contrast rating worksheets.

**TABLE H-1  
KEY OBSERVATION POINTS AND SIMULATION LOCATIONS**

KOP ID	Viewing Location Name	Concern Level Factors						Link(s)	Key Observation Point				Simulation <sup>1</sup>	Distance from Project	KOP or Simulation Selection Rationale
		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			
<b>WYOMING</b>															
<b>Bureau of Land Management Rawlins Field Office</b>															
73	Baggs residential	Long	Moderate	High		Residential	High	W300		✓				2.2 miles	Residential views of the Project through BLM VRM Class III land
177	Overland Trail historical monument (Wyoming Highway 789)	Long	Moderate	High	Historic	Recreation	High	W110		✓		✓		0.4 mile	View from Overland Trail ruts interpretive pull out (Wyoming Highway 789) of the Project through BLM VRM Class IV land
197	Hanna residential	Long	Moderate	High		Residential	High	W22			✓		✓	0.3 mile	Residential views
198	U.S. Highway 30 (east of Hanna)	Moderate	High	Moderate		Travel Route	Moderate	W22		✓				1.0 mile	Travel route views of the Project through BLM VRM Class IV land
220	North Platte River Special Recreation Management Area	Long	Moderate	High		Recreation	High	W30		✓			✓✓	0.5 mile	Special Recreation Management Area/North Platte River Crossing views of the Project through BLM VRM Class IV land
222	Hanna Draw Road	Moderate-Long	Low-Moderate	Moderate		Travel Route	Moderate	W21	✓					0.6 mile	Travel route/recreation access road views of the Project through BLM VRM Class IV land
224	U.S. Highway 30 (Walcott)	Moderate	High	Moderate		Travel Route	Moderate	W35	✓					1.0 mile	Travel route views of the Project through BLM VRM Class III land
225	Outlaw Trail Loop Scenic Drive (Wyoming Highway 789 north of Baggs)	Long	High	High	Scenic	Travel Route/Recreation	High	W111	✓				✓✓	0.1 mile	Long duration travel route view of the Project through BLM VRM Class IV land
226	Interstate 80 (east of Sinclair)	Short	High	Moderate		Travel Route	Moderate	W30	✓					0.3 mile	Travel route views of the Project through BLM VRM Class IV land
227	Wyoming Highway 71	Moderate	High	Moderate		Travel Route	Moderate	W30		✓				0.2 mile	Travel route views of the Project through BLM VRM Class IV land
228	Outlaw Trail Loop Scenic Drive (Wyoming Highway 789 south of Interstate-80)	Long	High	High	Scenic	Travel Route/Recreation	High	W32	✓					0.6 mile	Travel route views of the Project through BLM VRM Class IV land
229	Wamsutter residential	Long	Moderate	High		Residential	High	W102		✓				2.9 miles	Residential views of the Project through BLM VRM Class III and IV land
275	Overland Historic Trail	Long	Low	High	Historic	Recreation	High	W27		✓		✓		0.5 mile	Historic trail view of the Project through BLM VRM Class III land
276	Cherokee Historic Trail	Long	Low	High	Historic	Recreation	High	W409	✓			✓		0.7 mile	Historic trail view of the Project through BLM VRM Class III land
281	Rawlins to Baggs Historic Trail (Twenty Mile Road)	Long	Low	High	Historic	Recreation	High	W30	✓					0.5 mile	Historic trail view of the Project through BLM VRM Class IV land
286	Adobe Town Wilderness Study Area Destination Route (BLM Road 4411 )	Moderate-Long	Moderate	Moderate		Travel Route	Moderate	W27	✓					6.5 miles	Travel route views of the Project through BLM VRM Class III land
295	Fort Fred Steele Historic Site	Long	Moderate-High	High	Historic	Recreation	High	W30		✓				2.3 miles	Historic site views of the Project through BLM VRM Class IV land

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		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			
<b>COLORADO</b>															
<b>Bureau of Land Management Little Snake Field Office</b>															
50	Dispersed Maybell residential (Juniper Mountain)	Long	Low	High		Residential	High	C106		✓				1.0 mile	Dispersed residential views along the Yampa river of the Project through BLM VRM Class III land
51	Juniper Canyon Recreation Area	Long	Moderate	High		Recreation	High	C106		✓				0.3 mile	View from boat launch and day use picnic site of the Project through BLM VRM Class III land
52	Dispersed residences southwest of Craig	Long	Moderate	High		Residential	High	C105			✓		✓	1.1 miles	Dispersed residential views
54	South Beach Recreation Area	Long	Moderate	High		Recreation	Moderate	C105			✓			0.1 mile	Recreation views of Yampa River crossing
56	Colorado State Highway 13 (south of Craig)	Moderate	High	Moderate		Travel Route	Moderate	C105			✓			0.5 mile	View from travel route
58	Dispersed residences south of Craig	Long	Low	High		Residential	High	C101			✓			0.5 mile	Dispersed residential views
59	Dispersed residence southeast of Craig	Long	Low	High		Residential	High	C101			✓			0.3 mile	Dispersed residential views
63	Dispersed residence along Colorado State Highway 13	Long	Low	High		Residential	High	C100			✓			0.9 mile	Dispersed residential views
64	Access to Routt National Forest recreation	Moderate	Moderate	Moderate		Travel Route	Moderate	C100			✓			0.4 mile	View from access to Routt National Forrest
66	Dispersed residence along Colorado State Highway 13	Long	Low	High		Residential	High	C13		✓			✓	0.3 mile	Dispersed residential views through BLM VRM Class III land
67	Dispersed residences south of Baggs	Long	Low	High		Residential	High	C27			✓			0.5 mile	Dispersed residential views
83	Moffat County Road 57	Moderate	Moderate	Moderate		Travel Route	Moderate	C106			✓			0.6 mile	View from travel route
150	Dinosaur National Monument (Deerlodge Road)	Long	High	High		Recreation	High	C93			✓	✓		0.5 mile	View from National Monument recreation access
223	U.S. Highway 40 (viewpoint pullout east of Craig)	Long	Low-Moderate	Moderate		Recreation	Moderate	C100			✓			1.6 miles	View from Yampa River/wildlife observation deck
251	U.S. Highway 40 (east of Craig)	Moderate	High	Moderate		Travel Route	Moderate	C100			✓			0.4 mile	View from travel route
252	Colorado State Highway 318 (west of Maybell)	Moderate	High	Moderate		Travel Route	Moderate	C91	✓					0.2 mile	Travel route view of the Project through BLM VRM Class III land
287	Moffat County Road 10	Moderate	Moderate	Moderate		Travel Route	Moderate	C91	✓					0.7miles	View from travel route toward Cross Mountain and the Project through BLM VRM Class III land
288	Colorado State Highway 13 (south of Baggs)	Moderate	High	Moderate		Travel Route	Moderate	C20		✓				1.8 mile	Travel route view of the Project through BLM VRM Class III land
289	Godiva Rim	Moderate	Low-Moderate	Moderate		Travel Route	Moderate	C91	✓					1.2 miles	Proposed scenic road view of the Project through BLM VRM Class III land
290	Sevenmile Ridge Destination Route	Moderate	Low-Moderate	Moderate		Travel Route	Moderate	C91	✓					5.0 miles	View from recreation access of the Project through BLM VRM Class III land
291	Yampa River State Park	Long	Moderate-High	High		Recreation	High	C100			✓			5.2 miles	View from campground within the State Park

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		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			
297	Elkhead Reservoir Campground	Long	Moderate-High	High		Recreation	High	C100			✓			2.6 miles	View from campground
299	East Cross Mountain River Access	Moderate-Long	Moderate	Moderate-High		Recreation	Moderate	C91	✓				✓✓	2.5 miles	View from Yampa River access of the Project through BLM VRM Class III land
302	Yampa River (Juniper Canyon)	Long	Moderate	High		Recreation	High	C106	✓					0.3 mile	View from canyon of the Project through BLM VRM Class III land
<b>Bureau of Land Management White River Field Office</b>															
147	Rangely residential	Long	High	High		Residential	High	C185		✓				0.7 mile	Residential views of the Project through BLM VRM Class III land
210	Dinosaur residential	Long	High	High		Residential	High	C187		✓				1.1 miles	Residential views of the Project through BLM VRM Class III land
211	Dinosaur Visitor Center	Long	High	High		Recreation	High	C187		✓		✓	✓✓	1.4 miles	Recreation area view of the Project through BLM VRM Class III land
239	Dinosaur Diamond Scenic Byway (Colorado State Highway 64)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	C188	✓			✓		0.4 mile	View from scenic byway of the Project through BLM Class III land
240	Colorado State Highway 64	Moderate	High	Moderate		Travel Route	Moderate	C185	✓					1.0 mile	Travel route view of the Project through BLM VRM Class III land
241	Dinosaur Diamond Scenic Byway in Canyon Pintado National Historic District (Colorado State Highway 139)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	C185	✓			✓	✓✓	0.5 mile	View from scenic byway of the Project through BLM Class III land in the Canyon Pintado National Historic District.
242	Whiskey Creek residential	Long	Low	High		Residential	High	C196		✓				0.3 mile	Residential view of the Project adjacent to Whiskey Creek and BLM VRM Class III land
254	U.S. Highway 40 (east of Dinosaur)	Long	High	Moderate		Travel Route	Moderate	C175	✓					0.2 mile	Travel route view of Project in parallel condition through BLM VRM Class III land
310	Crook's Brand Rock Art Site	Long	Moderate	High	Historic	Recreation	High	C195	✓				✓✓	0.4 mile	Recreation view of the Project through BLM VRM Class IV land
<b>Bureau of Land Management Grand Junction Field Office</b>															
153	Mack residential	Long	Low	High		Residential	High	C270		✓				0.3 mile	Residential view of Project through BLM VRM Class IV land
243	Baxter Pass Road	Moderate-Long	Moderate	High		Travel Route/Recreation	High	C196	✓					1.4 mile	View from Baxter Pass Overlook of Project through BLM VRM Class IV land
244	Garfield County Road 201 (south of Baxter Pass)	Moderate-Long	Moderate	High		Travel Route/Recreation	High	C197	✓				✓✓	0.1 mile	Travel route view of Project in parallel condition through BLM VRM Class III land. Access to Demaree Wilderness Study Area
312	Rabbit Valley Dispersed Campsite (McInnis Canyons National Conservation Area)	Long	Moderate	High		Recreation	High	C270	✓					1.4 mile	Recreation view of Project through BLM VRM Class IV land
<b>Utah</b>															
<b>Bureau of Land Management Vernal Field Office</b>															
86	Utah State Route 45 (north of Bonanza)	Moderate	High	Moderate		Travel Route/Recreation	Moderate	U242	✓					0.6 mile	Travel route view of the Project through BLM VRM Class III and IV land

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		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			
87	Enron Recreation Area (on White River)	Long	Moderate	High		Recreation	High	U300	✓				✓✓	0.2 mile	Recreation (boat launch/take out) view of the Project crossing the White River through BLM Class III land
88	Fantasy Canyon	Long	Moderate	High		Recreation	High	U300	✓					1.0 mile	Recreation view of the Project through BLM VRM Class IV land from Fantasy Canyon (unique rock formation)
100	Dispersed residences along Utah State Route 88	Long	Moderate	High		Residential	High	U390		✓				1.3 miles	Dispersed residential view of the Project through BLMVRM Class III land
103	Dinosaur Diamond Scenic Byway (U.S. Highway 40 south of Bridgeland)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U430			✓	✓		0.6 mile	Scenic byway views
105	Dispersed residences south of Duchesne	Long	Moderate	High		Residential	High	U430 U431			✓			2.0 miles	Dispersed residential views from cabin development
107	Ioka residential	Long	Moderate	High		Residential	High	U430			✓			0.3 mile	Residential views
108	Dinosaur Diamond Scenic Byway (U.S. Highway 40 southwest of Roosevelt)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U410			✓	✓		1.4 miles	Scenic byway views
109	Dispersed residences south of Roosevelt	Long	Moderate	High		Residential	High	U410			✓		✓	0.2 mile	Dispersed residential views
110	Roosevelt residential	Long	Moderate	High		Residential	High	U410			✓			1.4 miles	Residential views
111	Bottle Hollow Reservoir	Long	Moderate	Moderate		Recreation	Moderate	U410			✓			0.9 mile	Recreation views
113	Utah State Route 88 (north of Leota)	Moderate	Moderate-High	Moderate		Travel Route/Recreation	Moderate	U390	✓					1.4 miles	Travel route view of the Project through BLM VRM Class III land
200	Argyle Canyon Road	Moderate	Low-Moderate	Moderate		Travel Route	Moderate	U404	✓				✓	0.1 mile	Travel route view of Project crossing BLM VRM Class III land
203	Fourmile Bottom	Moderate	Low-Moderate	High	Scenic	Recreation	High	U400	✓				✓✓	1.0 mile	Recreation views from Fourmile Bottom and Green River (Wild and Scenic River eligible) of the Project crossing through BLM VRM Class II land
268	U.S. Highway 40 Pullout (west of Fruitland)	Moderate	High	Moderate		Travel Route/Recreation	Moderate	U426			✓			0.4 mile	Travel route pullout views
269	Fruitland residential	Long	Moderate	High		Residential	High	U426			✓		✓	0.3 mile	Residential views
270	Starvation Reservoir	Long	High	High		Recreation	High	U420			✓			2.4 miles	Recreation views
271	Bridgeland residential	Long	Moderate	High		Residential	High	U430			✓			0.2 mile	Residential views
272	Sand Wash North Destination Route	Moderate	Moderate	High		Travel Route/Recreation	High	U400	✓				✓✓	0.6 mile	Travel route view of the Project through BLM Class IV land. Destination route to Sand Wash Rafting Launch for Desolation/Grey Canyon on Green River.
273	Nine Mile Canyon Scenic Backway	Moderate-Long	Moderate-High	High	Scenic	Travel Route/Recreation	High	U401	✓			✓		0.4 mile	Scenic backway view of the Project through BLM VRM Class III land
325	Argyle Canyon residences	Long	Moderate	High		Residential	High	U432			✓		✓	0.2 mile	Residential views

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328	Indian Canyon Scenic Byway	Moderate-Long	High	High	Scenic	Travel Route/Recreation	High	U520			✓✓		✓✓	0.4 mile	Scenic byway view of the Project in parallel condition
330	Dispersed residences north of Emma Park	Long	Moderate	High		Residential	High	U512			✓			0.3 mile	Residential views
<b>Bureau of Land Management Moab Field Office</b>															
145	Thompson Springs residential	Long	High	High		Residential	High	U486			✓			0.3 mile	Residential views
152	Interstate 70 Harley Dome Rest Area (Dinosaur Diamond Scenic Byway)	Long	High	Moderate-High	Scenic	Recreation	High	U490		✓		✓	✓✓	1.0 mile	Scenic byway overlook views of the Project through BLM VRM Class III land
193	Interstate 70 Crescent Junction Rest Stop (Dinosaur Diamond Scenic Byway)	Long	High	Moderate-High	Scenic	Recreation	High	U486		✓		✓	✓✓	1.0 mile	Scenic byway overlook views of the Project through BLM VRM Class III land
245	Old U.S. Highway 6 (west of Mack)	Moderate	Moderate	Moderate		Travel Route	Moderate	U490	✓					0.4 mile	Travel route view of the Project in a parallel condition through BLM VRM Class III land
246	Dinosaur Diamond Scenic Byway (I-70 east of Thompson Springs)	Moderate	High	Moderate-High	Scenic	Travel Route / Recreation	High	U490	✓			✓		0.5 mile	Scenic route view of the Project in parallel condition through BLM VRM Class III land
279	Old Spanish National Historic Trail (Near Thompson Springs Utah)	Long	Low	High	Historic	Recreation	High	U486	✓			✓	✓✓	0.7 mile	National Historic Trail view of the Project through BLM VRM Class III land
282	Interstate 70 Thompson Welcome Center (Dinosaur Diamond Scenic Byway)	Long	High	Moderate-High	Scenic	Recreation	High	U490	✓			✓	✓✓	1.2 miles	Recreation view of the Project through BLM Class III land
301	Arches National Park boundary (Salt Valley)	Long	Moderate	High		Recreation	High	U490		✓		✓		13.4 miles	Distant view of the Project through BLM Class III land from the boundary of Arches National Park
306	Upper Colorado River Scenic Byway	Moderate	High	High	Scenic	Travel Route / Recreation	High	U486		✓		✓	✓✓	0.6 mile	Scenic route view of the Project through BLM VRM Class II land
313	Dinosaur Diamond Scenic Byway (Interstate 70 crossing)	Moderate	High	Moderate-High	Scenic	Travel Route / Recreation	High	U487	✓					1.7 mile	Scenic route view of the Project through BLM Class III land
319	Green River	Long	Moderate	High		Recreation	High	U487		✓			✓✓	0.7 mile	River recreation view of the Project through BLM VRM Class II land
<b>Bureau of Land Management Price Field Office</b>															
26	Huntington State Park	Long	Moderate-High	High		Recreation	High	U498 U587			✓			3.8 miles	State Park recreation views
27	Huntington residential	Long	High	High		Residential	High	U628			✓			1.9 miles	Residential views
32	Cedar Mountain Overlook (San Rafael Swell)	Long	Moderate	High		Recreation	High	U729	✓				✓✓	1.1 miles	Recreation view of the Project through BLM VRM Class III land
40	Dispersed residences northeast of Wellington	Long	Low	High		Residential	High	U492		✓				0.5 mile	Dispersed residential view of the Project through BLM Class IV land
41	Dinosaur Diamond Scenic Byway (U.S. Highway 6)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U489	✓			✓	✓	0.2 mile	Scenic byway view of the Project through BLM VRM Class III land
201	Crystal Geyser	Long	Low-Moderate	High		Recreation	High	U487		✓				0.3 mile	Recreation views of the Project through BLM VRM Class III land from a unique geologic formation. View of Project crossing Green River

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207	Dispersed residences northeast of Castle Dale	Long	Low	High		Residential	High	U765			✓			0.7 mile	Dispersed residential views
208	West Helper residences	Long	High	High		Residential	High	U546		✓			✓✓	0.2 mile	Residential view of the Project through BLM VRM Class III land
213	Clear Creek residences	Long	Moderate	High		Residential	High	U600			✓			0.4 mile	Residential views
218	Wedge Overlook Scenic Backway	Moderate-Long	Moderate	High	Scenic	Travel Route/Recreation	High	U731	✓			✓		0.6 mile	Scenic backway views of the Project through BLM VRM Class III land
255	Mexican Mountain Wilderness Study Area	Long	Low	High		Recreation	High	U730	✓					0.5 mile	Views from Wilderness Study Area of the Project through BLM VRM Class III land
256	Dinosaur Diamond Scenic Byway (U.S. Highway 6 east of Wellington)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U494		✓		✓	✓	0.4 mile	Scenic travel route views of the Project through BLM VRM Class III land
257	Dispersed residences east of Wellington	Long	High	High		Residential	High	U494		✓				1.5 miles	Dispersed residential view of the Project on BLM Class III land
258	Martin residential	Long	High	High		Residential	High	U545 U546		✓				0.3 mile	Residential views of the Project through BLM VRM Class III land
259	Energy Loop Scenic Byway (Utah State Route 96)	Moderate	High	High	Scenic	Travel Route/Recreation	High	U600			✓	✓		0.5 mile	Scenic byway views
274	Indian Canyon Scenic Byway (U.S. Highway 191)	Moderate-Long	High	High	Scenic	Travel Route/Recreation	High	U435			✓	✓	✓✓	0.3 mile	Scenic byway view of the Project in parallel condition
305	Wedge Overlook Scenic Backway	Moderate-Long	Moderate	High	Scenic	Travel Route/Recreation	High	U732	✓			✓	✓✓	2.2 miles	Scenic backway views of the Project through BLM VRM Class III land
314	Little Grand Canyon Overlook	Long	Moderate	High		Recreation	High	U733	✓					5.1 miles	Distant recreation view of the Project through BLM VRM Class III land.
320	Junction of Road to Buckhorn Wash (Buckhorn Draw Road Scenic Backway)	Moderate-Long	Moderate	High	Scenic	Travel Route	High	U732	✓				✓✓	0.7 mile	Scenic backway view of the Project through BLM VRM Class III land
322	U.S. Highway 6 Rest Area (Dinosaur Diamond Scenic Byway)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U489	✓			✓	✓✓	1.0 mile	Rest area view of the Project through BLM VRM Class IV land
323	Old Railroad Grade (adjacent to Mexican Mountain Wilderness Study Area)	Moderate-Long	Low-Moderate	High		Travel route	High	U730	✓				✓	0.2 mile	Travel route view along historic railroad grade of the Project through BLM VRM Class III land
324	Dinosaur Diamond Scenic Byway (U.S. Highway 6 north of Woodside)	Moderate	High	Moderate-High	Scenic	Travel Route/Recreation	High	U489	✓			✓	✓✓	0.6 mile	Travel route view of the Project through BLM VRM Class III land
326	San Rafael Swell Destination Route (Green River Cutoff Road)	Moderate	Moderate	High		Travel Route	High	U734	✓					0.1 mile	Travel route view of the Project through BLM VRM Class III lands
<b>Bureau of Land Management Salt Lake Field Office</b>															
22	Soldier Summit	High	Low	High		Residential	High	U530			✓			0.5 mile	Residential views
266	U.S. Highway 6 (Spanish Fork Canyon)	Moderate	High	Moderate		Travel Route	Moderate	U460			✓		✓✓	1.2 mile	Travel route views
<b>Bureau of Land Management Richfield Field Office</b>															
205	Fountain Green residential	Long	High	High		Residential	High	U631		✓				1.5 miles	Residential view of the Project through BLM VRM Class III land
206	Dispersed residences north of Mount Pleasant	Long	Low	High		Residential	High	U630			✓			0.4 mile	Dispersed residential views

**TABLE H-1  
KEY OBSERVATION POINTS AND SIMULATION LOCATIONS**

KOP ID	Viewing Location Name	Concern Level Factors						Link(s)	Key Observation Point				Simulation <sup>1</sup>	Distance from Project	KOP or Simulation Selection Rationale
		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			
212	Fairview residential	Long	Moderate	High		Residential	High	U600 U636			✓			1.1 mile	Residential views
261	Fairview residential	Long	High	High		Residential	High	U600 U636			✓		✓✓	1.7 miles	Residential views
262	Mount Pleasant dispersed residences	Long	Low	High		Residential	High	U630			✓		✓✓	0.3 mile	Dispersed residential views
263	Mount Pleasant residential	Long	High	High		Residential	High	U630			✓			1.1 mile	Residential views
264	Big Hollow Wildlife Management Area Destination Route (Fountain Green)	Moderate-Long	Moderate	Moderate		Travel Route	Moderate	U631		✓				0.6 mile	Travel route view of the Project through BLM VRM Class III land
<b>Bureau of Land Management Fillmore Field Office</b>															
131	Mount Nebo Loop Scenic Byway	Moderate-Long	High	High	Scenic	Travel Route/ Recreation	High	U639			✓	✓		0.5 mile	Scenic byway views
204	Nephi residential	Long	High	High		Residential	High	U650			✓			0.2 mile	Residential views
214	Utah State Route 132 (north of Fountain Green)	Moderate	High	Moderate		Travel Route	Moderate	U639		✓				0.5 mile	Travel route view of the Project through BLM VRM Class IV land
215	Mona residential	Long	High	High		Residential	High	U640		✓				2.0 miles	Residential view of the Project through BLM VRM Class III land
265	Interstate 15 (Nephi)	Short	High	Low-Moderate		Travel Route	Moderate	U650			✓		✓✓	0.2 mile	Travel route views
<b>Ashley National Forest</b>															
315	Sowers Canyon Road	Long	Low-Moderate	Moderate-High		Travel Route	Moderate	U431	✓					0.1 mile	Travel route view of the Project in a parallel condition through USFS Modification VQO
327	Avintaquin Campground	Long	Moderate	High		Recreation	High	U513	✓					0.4 mile	Recreation view of the Project through USFS Retention VQO
329	Reservation Ridge Scenic Backway	Moderate-Long	Moderate	High	Scenic	Travel Route/ Recreation	High	U515	✓					0.4 mile	Travel route view of the Project in a parallel condition through USFS Partial Retention VQO
<b>Manti-La Sal National Forest</b>															
28	Fairview Lakes Overlook (Energy Loop Scenic Byway)	Long	High	High	Scenic	Recreation	High	U600	✓			✓		2.8 miles	Recreation view of the Project through USFS Partial Retention VQO
30	Electric Lake	Long	Moderate	Moderate		Recreation	Moderate	U600	✓					1.7 miles	Recreation view of the Project through USFS Partial Retention VQO
36	Birdseye residential	Long	Moderate	High		Residential	High	U621		✓				1.1 miles	Residential view of the Project through USFS Partial Retention VQO
194	Potters Ponds	Long	Moderate	High		Recreation	High	U630	✓					0.6 mile	Recreation view of the Project through USFS Partial Retention and Modification VQO
195	Indian Creek Campground	Long	Moderate	High		Recreation	High	U630	✓				✓✓	0.3 mile	Recreation view of the Project through USFS Modification and Partial Retention VQO
196	Fairview Lakes residential	Long	High	High		Residential	High	U600		✓				1.4 miles	Residential view of the Project through USFS Partial Retention VQO
217	Skyline Drive Scenic Backway	Moderate-Long	High	High	Scenic	Travel Route/ Recreation	High	U630	✓			✓	✓	0.3 mile	Scenic route view of the Project through USFS Partial Retention VQO

**TABLE H-1  
KEY OBSERVATION POINTS AND SIMULATION LOCATIONS**

KOP ID	Viewing Location Name	Concern Level Factors						Link(s)	Key Observation Point				Distance from Project	KOP or Simulation Selection Rationale	
		Viewing Duration	Volume of Use	Concern for Aesthetics	Scenic or Historic Status	Type of Use	Overall Concern Level		View from BLM/USFS Administered Land)	View of BLM/USFS Administered Land)	Other	National Significance			Simulation <sup>1</sup>
260	Energy Loop Scenic Byway (Utah State Route 31)	Moderate	High	High	Scenic	Travel Route/Recreation	High	U600	✓			✓	✓✓	0.3 mile	Scenic byway view of the Project through USFS Partial Retention VQO
283	Energy Loop Scenic Byway (Utah State Route 31)	Moderate	High	High	Scenic	Travel Route/Recreation	High	U600			✓	✓		0.5 mile	Scenic byway views
284	Energy Loop Scenic Byway (Utah State Route 264)	Moderate	High	High	Scenic	Travel Route/Recreation	High	U600		✓		✓	✓✓	0.5 mile	Scenic byway view of the Project through USFS Partial Retention VQO
307	Energy Loop Scenic Byway (Utah State Route 264)	Moderate	High	High	Scenic	Travel Route/Recreation	High	U600	✓			✓		0.6 mile	Scenic byway view of the Project through USFS Partial Retention VQO.
308	Millers Flat Road	Moderate-Long	Moderate	High		Travel Route/Recreation	High	U630	✓					0.8 mile	Recreation destination route view of the Project through USFS Modification VQO.
309	Bear Creek Campground	Long	Moderate	High		Recreation	High	U629		✓			✓	2.2 miles	Recreation view of the Project through USFS Partial Retention VQO.
<b>Uinta-Wasatch-Cache National Forest</b>															
216	U.S. Highway 6 (west of Soldier Summit)	Moderate	High	Moderate		Travel Route	Moderate	U539	✓					0.4 mile	Travel route view of the Project through USFS Partial Retention VQO
267	Battle Flats Recreation Area (Strawberry Reservoir)	Long	High	High		Recreation	High	U424	✓					1.9 miles	Recreation views
285	Aspen Grove Campground	Long	Moderate-High	High		Recreation	High	U424	✓				✓✓	0.4 mile	Recreation views
304	Sheep Creek Road (Forest Road 042)	Moderate	Moderate	Moderate-High		Travel Route/Recreation	Moderate	U433	✓				✓✓	0.4 mile	Recreation destination route view of the Project through USFS Partial Retention VQO

NOTES:  
<sup>1</sup>✓ = direct effect simulation only; ✓✓ = direct and cumulative effect simulation  
 BLM = Bureau of Land Management  
 KOP ID = Key Observation Point Identification  
 USFS = U.S. Forest Service  
 VQO = Visual Quality Objective (USFS)  
 VRM = Visual Resource Management (BLM)

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> Salt Lake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10S Range: 7E Section: 24	<b>Location Sketch</b> 
<b>Key Observation Point #</b> 22 Soldier Summit		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rolling, domed, smooth	Diverse, numerous amorphous patches	Vertical, geometric
<b>Line</b>	Smooth, angular, simple	Butt and diffuse edges	Vertical, diagonal, weak concave/horizontal
<b>Color</b>	Tans	Dark greens, sage greens, tans, seasonal variety	Grays, browns
<b>Texture</b>	Medium grain	Medium to coarse grain	Ordered, medium grain, dense

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features													
		Landform/Water Body				Vegetation				Structures					
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
Elements	Form														
	Line														
	Color														
	Texture														

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	Salt Lake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from residences in Solider Summit, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with residences in Solider Summit, Utah. The proposed Project would be seen from a level position in a backdropped condition through rolling terrain. Disturbance associated with construction access and tower pads would weakly contrast with existing landform and vegetation characteristics since the proposed Project would be viewed in context with other landscape modifications. The proposed structures and conductors would be seen 0.5 mile away and would have moderate contrast with structural elements of form, line, color, and texture as the proposed Project would be seen with other structures and modifications in this landscape.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point #</b> 26 Huntington State Park  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 17S  Range: 9E  Section: 17	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Prominent, bold, rugged; level, horizontal	Amorphous patches, stippled areas, band of vegetation along reservoir	Vertical, geometric
<b>Line</b>	Angular, complex, jagged; horizontal, smooth	Butt, digitate, and diffuse edges, vertical, indistinct in valley	Vertical, angular
<b>Color</b>	Grays, tans, browns, reds, blues, reflective	Dark greens, sage greens, tans	Gray, transparent, reflective, white
<b>Texture</b>	Fine to coarse grain	Fine to medium grain	Fine to medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from dock at Huntington State Park*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape viewed from the dock at the Huntington State Park. The proposed Project would cross relatively flat to slightly rolling terrain and would be backdropped by the Wasatch Plateau. Disturbance associated with construction access and vegetation clearing would not be visible from the KOP due to topographic screening. The proposed structures would be located approximately 4 miles away, beyond two existing 345kV transmission lines, and would be mostly screened by topography. Therefore, structure contrast was assessed to be weak from this viewpoint.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point #</b> 27 Huntington residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 17S  Range: 8E  Section: 24	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Prominent, bold, rugged (Wasatch Plateau); level, horizontal (valley)	Amorphous patches, stippled areas	Vertical, geometric, rectangular (homes)
<b>Line</b>	Angular, complex, jagged (Wasatch Plateau); horizontal, smooth (valley)	Butt and diffuse edges, indistinct in valley	Vertical, angular
<b>Color</b>	Grays, tans, browns, reds	Dark greens, tans	Gray, transparent, reflective, white
<b>Texture</b>	Fine (valley) to coarse (Wasatch Plateau) grain	Fine to medium grain	Fine to medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from residences in Huntington, Utah*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting viewed from residences in Huntington, Utah. The proposed Project would cross relatively flat to slightly rolling terrain and would be backdropped by adjacent terrain. Disturbances associated with the construction of access roads and right-of-way vegetation clearing would be mostly screened from this KOP. Where visible, these project components would weakly contrast with the existing landscape character. The proposed structures would be seen approximately 2 miles away beyond three existing 345kV transmission lines. Due to the presence of multiple existing transmission lines, structure contrast was assessed to be at a weak level.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14S  Range: 5E  Section: 2	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 28 Fairview Lakes Overlook-The Energy Loop Scenic Byway		
<b>VRM Class/VQO:</b> Partial Retention		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Wide trough-shaped, rolling, rounded	Amorphous patches, distinct, vertical, complex, pyramidal	Low, geometric
<b>Line</b>	Continuous, curving, horizontal, diagonal	Flowing, complex, irregular, butt edges	Angular, vertical
<b>Color</b>	Tans, grays, blue	Vivid, greens, tans, seasonal variety	Greens, browns, whites
<b>Texture</b>	Fine to medium grain	Medium to coarse grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Thin, vertical
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Thin vertical
<b>Color</b>	Tans	Tans, gray-green	Dull gray
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform repeating medium grain, sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northeast from Fairview Lakes Overlook, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting designated by the Manti-La Sal National Forest as a partial retention VQO as viewed from the Fairview Lakes Overlook. The proposed Project would traverse moderately steep terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access and right-of-way vegetation clearing would produce weak/moderate landscape contrast through the development of geometric forms and curvilinear lines incongruent with the existing landscape character. The proposed structures would be seen approximately 3 miles away from this KOP and due to the distance of these views, the structures would introduce a weak contrast.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point #</b> 30 Electric Lake  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 13S  Range: 6E  Section: 34	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous, horizontal	Flowing, complex, irregular, background butt edge (right-of-way)	n/a
<b>Color</b>	Tans, blues, reflective	Vivid, tans, greens, gray-green, white	n/a
<b>Texture</b>	Smooth surface on reservoir, medium grain	Coarse, stippled, scattered	n/a

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, horizontal	Horizontal, butt edge	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Electric Lake recreation area, Utah*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated as a partial retention VQO by the Manti-La Sal National Forest as seen from Electric Lake. The proposed Project would cross moderately steep terrain with views partially screened by topography. Disturbance associated with construction access would generally be screened by vegetation except near the top of the slope where the cleared right-of-way would be visible as well as construction access. The proposed structures would be seen approximately 1.5 miles away and would be skylined since the proposed Project is located on the top of the ridgeline before descending into a side canyon.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 32 Cedar Mountain Overlook  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 19S  Range: 12E  Section: 18	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Simple, rolling, flat to bold, definite, V-shaped canyons	Amorphous patches and stippled areas	Vertical, geometric
<b>Line</b>	Simple to complex, bold, horizontal, diagonal, vertical	Weak, diffuse and butt edges	Thin, vertical
<b>Color</b>	Light tans, browns, reds	Juniper greens, tans	Brown
<b>Texture</b>	Fine to rough grain	Medium grain	Fine grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Light tans, browns, reds	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Cedar Mountain Overlook, UT*

Moderate contrast would result from the construction and operation of the proposed Project, within a panoramic landscape designated as VRM Class III viewed from the Cedar Mountain Overlook. The proposed Project crosses flat to gently rolling terrain and would be backdropped due to the superior view from the overlook. Disturbance associated with construction access would introduce curvilinear lines and geometric forms similar to the disturbances associated with the existing transmission line. Vegetation clearing would be mostly limited to tower pads and access roads which due to the superior viewing position, would produce distinct geometric forms. The proposed structures would be seen at approximately 1 mile and are adjacent to an existing 345kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point #</b> # 36 Birdseye residential  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 10S  Range: 3E  Section: 26	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, prominent, rugged	Dense to scattered vegetation, amorphous clearings	Vertical, geometric
<b>Line</b>	Diagonal, undulating, bold	Diffuse edges	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Reds, tans	Light and dark greens	Dull gray, transparent
<b>Texture</b>	Medium to coarse grain	Fine to medium grain	Uniform medium grain, medium to sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin, triangular
<b>Line</b>	Curvilinear, geometric	Horizontal, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Reds, tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Birdseye Road adjacent to residences, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape designated by the Manti-La Sal NF as a partial retention VQO as viewed from residences in Birdseye. The proposed Project would cross steep terrain and include right-of-way clearing producing geometric forms which would be more dominant than the vegetation clearing associated with the existing transmission line. Disturbance associated with construction access would also produce geometric forms as well as curvilinear lines that are incongruent with the existing landscape. The proposed structures would be seen 1.2 miles away and would produce a weak/moderate structure contrast due to the adjacent existing 345kV transmission line. Selective mitigation measure #3 (minimize cut and fill) and #4 (minimize tree clearing) would be applied to reduce contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/12/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14S  Range: 11E  Section: 34	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 40 Dispersed residences northeast of Wellington		
<b>VRM Class/VQO:</b> IV		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric plateaus, level	Indistinct, patches, stippled	Geometric, low
<b>Line</b>	Horizontal, broken diagonal	Indistinct	Vertical, diagonal
<b>Color</b>	Tans	Gray-greens, tans	White, gray
<b>Texture</b>	Fine to medium grain	Medium grain	Medium grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds, light brown	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/12/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from residences northeast of Wellington, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting with a VRM Class IV designation associated with views from residences northeast of Wellington. The proposed Project would cross flat to gently rolling terrain and be viewed in a partially backdropped condition from a level viewing position. Earthwork associated with the construction of access roads as well as right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines. The proposed structures would be seen at approximately 0.5 mile from these residences. Since there are no adjacent major existing structural elements in the landscape, the proposed structures would introduce strong structure contrast and would dominate views from these residences.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S  Range: 14E  Section: 3	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 41 Dinosaur Diamond Scenic Byway (U.S. Highway 6)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Flat, smooth BG: Bold vertical, horizontal, rugged	FG: Short, patchy BG: Few, stippled	Vertical, geometric
<b>Line</b>	FG: Horizontal BG: Horizontal banding, diagonal,	FG: Angular, broken, diffuse edges BG: Weak diffuse, indistinct	Vertical, horizontal; concave (conductors)
<b>Color</b>	FG: Tans, beiges BG: Tans, grays, reds	FG: Gray-greens, dull BG: Juniper greens	Brown
<b>Texture</b>	FG: Fine grain BG: Banded, course grain	FG: Even, medium grain BG: Fine to medium grain	Medium grain, dense, ordered, repeating

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from Dinosaur Diamond Scenic Byway (U.S. Highway 6), Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project, within a panoramic landscape designated by the BLM as VRM Class III and viewed from U.S. Highway 6. The proposed Project crosses flat to gently rolling terrain and would be mostly skylined due to proximity to the viewer. Construction access would introduce curvilinear lines and geometric forms into the landscape. Vegetation clearing in the right-of-way would be minimal and if seen, would introduce weak geometric forms slightly contrasting with existing vegetation patterns. The proposed structures would be seen directly adjacent to the road in context with a smaller, 138kV transmission line and due to the long duration view, would introduce a moderate/strong structure contrast. To further mitigate contrast on views from this scenic highway, the proposed Project would need to be located further to the east which would place it outside of the designated utility corridor.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point #</b> 50 Maybell residential  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 6N  Range: 95W  Section: 2	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Moderately rolling to slightly concave, blocky, pyramidal	Amorphous patches, stippled	Vertical, geometric, triangular
<b>Line</b>	Horizontal, diagonal	Irregular butt and diffuse edges	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, browns, grays, reds	Greens yellow, tan	Dull gray, transparent, browns
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Repeating medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric tower pads and access through moderately steep side slope	Geometric clearings with reestablished low vegetation, most	Vertical, geometric, triangular
<b>Line</b>	Horizontal, diagonal	Horizontal and diagonal butt edges created at clearing through pinyon-	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Browns	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Little Snake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from U.S. Highway 40, Colorado*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape associated with dispersed residences along U.S. Highway 40 near Maybell, Colorado. The proposed Project would traverse dissected, sloping terrain in both a backdropped and sky-lined condition. Construction access and tower pad disturbance would weakly contrast with existing landform characteristics since access for the existing transmission lines and surface mining operations both occur within this view. Weak/moderate contrast with existing vegetation patterns would occur where right-of-way clearing through pinyon-juniper vegetation would create geometric forms. Weak structure contrast would be generated since the proposed Project would be viewed beyond an existing 345kV and 138kV transmission line. To further reduce contrast on views from these residences, selective mitigation measure #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 94W  Section: 17	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 51 Juniper Canyon Recreation Area		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, meandering to blocky/pyramidal	Mottled/stippled to amorphous patch, strip, clumped groupings	Geometric, vertical
<b>Line</b>	Horizontal, diagonal	Indistinguishable, diffuse and butt edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, browns	Greens, yellows, reds, sage	Grays, browns
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Repeating medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance from geometric clearings for tower pads	Geometric areas of reestablished low growing vegetation	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Diagonal, horizontal	Horizontal, diagonal butt edge created at clearings for tower pads	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tan	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Juniper Canyon Recreation Area, Colorado*

Moderate contrast would result from the construction and operation of the proposed Project within a feature landscape setting with VRM Class III designation and associated with the Juniper Canyon Recreation Area. The proposed Project would be viewed from an inferior position as it traverses through rolling terrain in a skylined condition. Disturbance associated with construction access and tower pads would have moderate contrast with existing landform and vegetation features as the new access and right-of-way clearing would be visible in rolling terrain. Moderate structure contrast would occur where recreationists would have unobstructed views of the structures and conductors skylined above the horizon. Two existing transmission lines are viewed in a partially screened condition beyond the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 2/7/2012
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 92W  Section: 13	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 52 Dispersed residences southwest of Craig		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently sloping, rolling	Low, amorphous and geometric patches, tall clumping	Vertical, thin, triangular
<b>Line</b>	Undulating horizontal, diagonal	Straight diagonal and horizontal butt edges	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Browns, tans	Variations of greens, tans, yellow	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to coarse grain	Uniform coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal	Low, flat	Vertical, thin, triangular
<b>Line</b>	Curvilinear, horizontal	Regular, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	n/a	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**  
n/a

**Additional mitigating measures recommended?**  
No

**Evaluator(s):**  
EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 2/7/2012
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Moffat County Road 30 (Round Bottom Road), Colorado*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape associated with dispersed residences along Moffat County Road 30, west of Craig, Colorado. The proposed Project would cross rolling terrain in a backdropped condition. Earthwork associated with the construction of access roads and right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines in the landform and vegetation. The proposed structures and conductors would be seen at approximately 1 mile with existing structures of similar scale and size visible in front of the proposed Project. The proposed Project would introduce weak structure contrast due to the dominance of the existing transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 2/7/2012
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 91W  Section: 16	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 54 South Beach Recreation Area		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, meandering to blocky	Mottled/stippled, strip, clumped groupings	Bold, vertical; complex geometric/triangular
<b>Line</b>	Horizontal, diagonal	Indistinguishable to butt edge (at river)	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, browns, reds	Greens, yellows, reds, sage	Dull gray, transparent
<b>Texture</b>	Fine to medium grain	Fine to coarse grain	Coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 2/7/2012
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



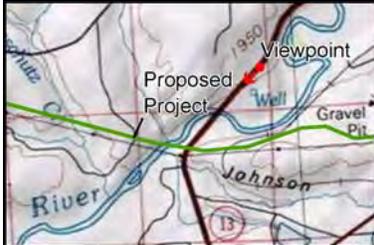
*View west from South Beach Recreation Area, Yampa River, Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting associated with the South Beach Recreation Area along the Yampa River. The proposed Project would be seen from an inferior viewing position as it crosses over elevated terrain in a skylined condition. Disturbance associated with construction access and tower pads would not be visible from this KOP. The proposed structures and conductors would be seen directly adjacent to the recreation area and would have weak/moderate contrast due to the presence of two existing 345kV transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 91W  Section: 9	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 56 Colorado State Highway 13 (south of Craig)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently sloping, rolling, geometric/blocky	Low, amorphous geometric patches, concentrated thick band	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Strong diagonal, straight and undulating horizontal	Butt edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans grays	Variations of greens, tans, yellows, reds	Grays, browns, white
<b>Texture</b>	Fine to medium grain	Fine to coarse grain	Repeating coarse to medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance for geometric tower pads and access roads	Thin horizontal patch of reestablished vegetation at tower	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Thin, horizontal	Horizontal butt edge created at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southwest from Colorado State Highway 13*

Weak contrast would result from the construction and operation of the proposed Project in a modified, panoramic landscape setting. The proposed Project would cross through rolling terrain as viewed from Colorado State Highway 13, near Craig, from a level view. Disturbance to landform and vegetation associated with construction access would introduce weak contrast with existing features. Weak structure contrast would occur from the introduction of the structures and conductors in this landscape since the proposed Project parallels similar structures. To reduce contrast, selective mitigation measure #8 (match tower spans) would be applied to decrease the visual space occupied by the transmission structures when viewed in context with the existing transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 90W  Section: 18	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 58 Dispersed residences south of Craig		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently sloping, rolling	Low, amorphous geometric patches	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Gently curving horizontal	Strong geometric lines created by grazing development	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Browns	Variations of greens, tans, sage, reds	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Moffat County Road 35*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape associated with dispersed residences along Moffat County Road 35. The proposed Project would cross rolling terrain in backdropped and skylined conditions. Earthwork associated with the construction of access roads and right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines in the landform and vegetation components of contrast. The proposed structures and conductors would be seen at approximately 1 mile in context with existing transmission lines of similar scale and size, and therefore, would introduce weak structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 90W  Section: 13	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 59 Dispersed residences southeast of Craig		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently sloping, rolling	Low, amorphous and geometric patches	Thin vertical, rectangular
<b>Line</b>	Gently curving horizontal	Butt diagonal and horizontal edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns	Variations of greens, tans, yellows	Brown
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance for geometric clearings for tower pads and access	Geometric patches of low reestablished vegetation	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Diagonal, horizontal	Diagonal and horizontal butt edges at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>n/a</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southeast from Colorado State Route 394*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with a dispersed residence along Colorado State Route 394, southeast of Craig, Colorado. The proposed Project would traverse rolling terrain and would be viewed in a skylined condition from an inferior viewing position. Earthwork associated with the construction of access roads and right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines in the landform and vegetation. The proposed structures and conductors would be seen at approximately 0.25 mile in context with an existing 138kV transmission line and would introduce strong structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 8N  Range: 90W  Section: 23	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 63 Dispersed residences north of Craig		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Slightly concave to gently rolling, blocky/pyramidal	Low, amorphous and geometric patches, group/clumped areas	Rectangular, triangular
<b>Line</b>	Gently curving, horizontal, diagonal,	Strong diagonal butt edges	Horizontal, diagonal
<b>Color</b>	Browns/ tans	Greens, yellows, tans, sage, grays, reds	Grays, whites, reds, browns
<b>Texture</b>	Fine grain	Fine to coarse grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features												
		Landform/ Water Body				Vegetation				Structures				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
Elements	Form													
	Line													
	Color													
	Texture													

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



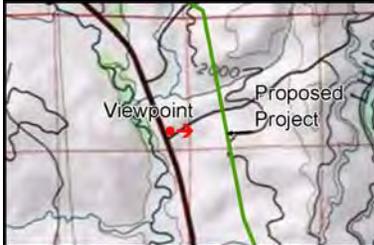
*View northeast from Colorado State Route 13*

Moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with a dispersed residence along Colorado State Route 13, north of Craig. The proposed Project would cross rolling terrain and be visible in a partially screened and backdropped condition. Construction access and tower pad disturbance to landform and vegetation would not be visible from this KOP due to topographic screening. The proposed Project structures and conductors would be visible at approximately 1 mile and introduce moderate structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 64 Access to Routt NF recreation  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 8N  Range: 90W  Section: 3	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rolling	Amorphous patches, stippled in areas	Weak, simple vertical
<b>Line</b>	Curving, diagonal, undulating horizontal	Curving butt (at road) and diffuse edges	Vertical, thin, straight
<b>Color</b>	Tan, beige, gray	Greens, tans, yellow sage	Light browns
<b>Texture</b>	Fine grain	Fine to medium grain, dense	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance for geometric clearings for tower pads and access	Geometric patches of reestablished low vegetation on clearings	Bold, vertical; complex geometric/triangular
<b>Line</b>	Horizontal, gently undulating	Horizontal butt edge created at clearing	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  Yes
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View east from Moffat County Road 27, Colorado*

Strong contrast would result from the construction and operation of the proposed Project within this enclosed landscape setting. The proposed Project would cross rolling terrain in a partially backdropped condition from an access route for the Routt National Forest. Disturbance associated with construction access and tower pad earthwork would be intermittently visible and introduce moderate contrast to landform and vegetation elements of form and line with a weak contrast with color and texture as thin, broken horizontal and diagonal lines would be visible. The proposed structures and conductors would be seen at approximately 0.4 mile and introduce strong contrast in the structure elements of form, line, color and texture in a landscape with minimal disturbance and influence from existing structures. Minimizing slope cut and fill in steeper areas (selective mitigation #3) seen from this KOP would reduce contrast with existing landform and vegetation characteristics, however strong structure contrast would remain because of the skylined structures and conductors.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10N  Range: 91W  Section: 25	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 66 Dispersed residence along Colorado State Highway 13		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat to rolling and blocky, low meandering band	Amorphous and geometric patches, stippled and clumped areas	Thin vertical, geometric/rectangular, triangular
<b>Line</b>	Curving, diagonal, horizontal	Straight, diagonal butt and diffuse edges	Vertical, horizontal, diagonal, weak concave/horizontal
<b>Color</b>	Tan, beige, blue-gray	Greens, sage, tan, yellow reds	Browns, grays, whites
<b>Texture</b>	Fine to medium, reflective, smooth	Fine to coarse	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Little Snake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Colorado State Highway 13*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with a dispersed residence along Colorado State Highway 13, north of Craig. The proposed Project would cross rolling terrain and would be viewed in both backdropped and skylined conditions. Construction access and tower pad disturbances to landform and vegetation would not be seen from this KOP due to topographic screening. The proposed Project structures and conductors would be visible at approximately 0.25 mile and introduce a strong structure contrast where skylined transmission structures would be viewed from an inferior position.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 12N  Range: 92W  Section: 20	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 67 Dispersed residences south of Baggs		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling, blocky	Geometric strips, low amorphous clump/groups	Thin low repeating vertical, geometric, rectangular, triangular
<b>Line</b>	Gently curving, horizontal, straight, diagonal, layered	Butt edges (at road and fence line)	Vertical, diagonal, horizontal
<b>Color</b>	Browns, tans, grays	Greens, tans, yellow	Subtle grays, browns, reds
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, grays	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Little Snake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from Moffat County Road 4*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape associated with dispersed residences along Moffat County Road 4, southwest of Baggs, Wyoming. The proposed Project would traverse flat slopes paralleling the road and then cross perpendicular approximately 0.5 mile from this viewpoint. Earthwork associated with the construction of access roads as well as right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines in the landform and vegetation. The proposed Project would be visible in the foreground out to approximately a 0.5 mile and introduce strong structure contrast where the structures and conductors would be skylined.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 12N  Range: 91W  Section: 5	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 73 Bags residential		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat to low rugged, blocky, horizontal	Indistinct, some stippled areas	Geometric, rectangular, cylindrical, horizontal
<b>Line</b>	Irregular, angular, banding	Indistinct, diffuse	Horizontal, vertical, diagonal
<b>Color</b>	Browns, tans	Dull and dark green	Browns, grays, tans, reds, white
<b>Texture</b>	Medium to coarse grain	Fine to medium grain	Medium to coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin vertical
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating medium grain, sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Cowpoke Road, Baggs, Wyoming*

Weak contrast would result from the construction and operation of the proposed Project in this panoramic landscape setting viewed from residences in Baggs, Wyoming of land designated as VRM Class III. The Project would be intermittently to fully screened by topography in the background with cultural modifications associated with rural development visible in the immediate foreground. In locations where the structures may be visible, only the top of the structures would be seen 2.4 miles away which would introduce weak structure contrast into the landscape.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project <b>Key Observation Point #</b> # 83 Moffat County Road 57 <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 6N Range: 95W Section: 16	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling	Indistinct, with areas of stippling	Vertical, geometric
<b>Line</b>	Gently curving, horizontal	Indistinct, weak diffuse edges and butt edge (at road)	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns, tans, grays (road)	Greens, tans, grays	Grays, transparent, brown
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Uniform medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View north from Moffat County Road 57, Colorado*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with views along Moffat County Road 57. The proposed Project would be viewed from a level position as it crosses flat terrain in a partially skylined condition. Modification of landform and vegetation patterns associated with construction access and tower pads would not be visible from this viewpoint. The proposed structures and conductors would be seen at approximately a 0.5 paralleling both an existing 345kV and 138kV transmission line. The proposed structures would be larger and closer to this KOP than the existing transmission lines, therefore, the proposed Project would introduce a moderate level of structure contrast. To reduce contrast on views from this road, selective mitigation measure #9 (maximize span length) would be applied to reduce dominance of structures being located adjacent to the road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 8S  Range: 24E  Section: 34	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 86 Utah State Route 45 (north of Bonanza)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly concave to gently rolling, small butte features	Low indistinct patches, stippled areas	Vertical, thin; geometric, triangular, cylindrical
<b>Line</b>	Continuous, horizontal, undulating, diagonal	Indistinct, weak diffuse edges	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays, light brown	Sage greens, tans	Grays, transparent, browns
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays, light brown	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from Utah State Route 45 north of Bonanza*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated by the BLM as VRM Class III and viewed from Utah State Route 45. The proposed Project crosses rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access would introduce additional curvilinear lines and geometric forms into the landscape. Vegetation clearing would be limited to areas around tower pads and access roads, and these geometric forms would over time blend with existing vegetation patterns. The proposed structures would be seen at 0.6 mile in context with existing 345kV and 138kV transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/25/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 9S  Range: 22E  Section: 28	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 87 Enron Recreation Area (on White River)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, rolling to steep	Band along riparian corridor, stippled canyon walls	n/a
<b>Line</b>	Continuous, curving, flowing, horizontal, parallel	Butt edge between riparian vegetation and canyon wall	n/a
<b>Color</b>	Reflective, gray-green, browns, reds	Variety of greens, tans	n/a
<b>Texture</b>	Fine, glossy, rippled, medium to coarse grain canyon walls	Medium to coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine	Fine grain	Coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/25/2012
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Enron Recreation Area (White River), Utah*

Strong contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting associated with the Enron Recreation Area along the White River. The proposed Project would cross the White River through an area of rolling terrain and would be visible in a skylined condition from an inferior viewing position. Disturbance associated with the construction of access roads and tower pads would be visible and would produce a weak/moderate contrast with existing landform characteristics. Due to the low-growing vegetation crossed by the proposed Project, which would require limited vegetation clearing, contrast resulting from the modification of the vegetation's form, line, color, and texture would be weak. The proposed structures and conductors would be seen at approximately 0.25 mile and introduce strong structure contrast. Selective mitigation measures #2 (limit construction of new access roads), #3 (minimize ground disturbance), and #9 (maximize span length) would be applied to reduce contrast as viewed from this recreation area.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 8/24/2009
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 9S  Range: 22E  Section: 1	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 88 Fantasy Canyon		
<b>VRM Class/VQO:</b> IV		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, complex	Low, amorphous patches and stippled areas	Low, geometric
<b>Line</b>	Horizontal, diagonal, angular	Weak indistinct and diffuse edges	Diagonal, vertical
<b>Color</b>	Red-browns, tans, grays	Subtle, greens/yellows	Browns
<b>Texture</b>	Medium to coarse grain, striated	Fine grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	n/a
<b>Line</b>	n/a	n/a	n/a
<b>Color</b>	n/a	n/a	n/a
<b>Texture</b>	n/a	n/a	n/a

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 8/24/2009
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View south from Fantasy Canyon parking area, Utah*

Views of the proposed Project, located south of Fantasy Canyon, would be completely screened by topography. If the proposed Project were visible, it would be seen crossing land designated as VRM Class IV in an area developed by oil and gas extraction.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/10/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 7S  Range: 20E  Section: 5	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 100 Dispersed residences along Utah State Route 88		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly concave to gently rolling	FG: Rounded, pyramidal MG: Low indistinct patches,	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Continuous, horizontal, undulating, simple	FG: Vertical, geometric MG: Indistinct, weak diffuse edges	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, browns, reds, subtle	FG: Vibrant greens MG: Tans	Dull gray, transparent
<b>Texture</b>	Fine grain	FG: Fine to coarse grain MG: Fine to medium grain	Repeating medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/10/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from Utah State Route 88 adjacent to residence, Utah*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III and associated with a residence along Utah State Route 88. The proposed Project would cross relatively flat terrain with intermittent vegetation screening. Disturbance associated with construction access and tower pads would weakly contrast with the landform and vegetation elements of contrast since the thin horizontal lines from these disturbances are similar to lines present in the existing landscape character. The proposed Project structures and conductors would be visible at approximately one mile paralleling a transmission line with similar design characteristics.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 4S  Range: 3W  Section: 8	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 103 Dinosaur Diamond SB (U.S. HWY 40 S of Bridgeland)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/rolling, rounded	Low, amorphous patches and stippled areas	Vertical, geometric
<b>Line</b>	Horizontal, undulating, continuous	Weak indistinct and diffuse edges	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Beige, tans	Subtle, greens, tans, bright greens along riparian corridor	Brown, gray
<b>Texture</b>	Medium grain	Fine to medium grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Beige, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from U.S. Highway 40 east of Duchesne, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from U.S. Highway 40. The proposed Project crosses rolling terrain in a partially backdropped condition. Weak vegetation contrast would occur as thin diagonal lines and geometric patches of cleared vegetation may be visible. The construction of access roads and tower pads would produce geometric forms and curvilinear lines which would minimally contrast with the rolling terrain viewed from this point. The proposed structures would be seen 0.7 mile away on the other side of an existing 138kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/21/2009
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 4S  Range: 4W  Section: 20	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 105 Dispersed residences south of Duchesne		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, rounded	Amorphous patches	Vertical, thin
<b>Line</b>	Continuous, horizontal	Diffuse to butt edges from juniper stands	Thin vertical
<b>Color</b>	Tans	Light tan (grasses), dark green (juniper)	Brown
<b>Texture</b>	Fine to medium	Fine to patchy, coarse	Fine grain, sparse density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal	Linear vegetation clearing in right-of-way	Thin, vertical
<b>Line</b>	Curvilinear, horizontal	Butt edge along edge of right-of-way	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	Tans	Light tan (grasses)	Dull gray
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating medium grain, sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/21/2009
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



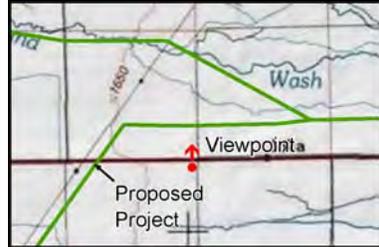
*View southeast from residences south of Duchesne, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project, within a panoramic landscape as viewed from residences south of Duchesne. The proposed Project crosses rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access in addition to right-of-way vegetation clearing would introduce weak contrast due to the proposed Project being located approximately 2 miles away. The proposed structures would be seen adjacent to an existing 138kV transmission line and due to the distance from these viewers, would introduce a weak/moderate structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 107 Ioka residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 3S  Range: 2W  Section: 5	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal, slightly rolling, plateaus	Low and flat to tall, vertical	Tall, vertical, geometric, transparent
<b>Line</b>	Weak, horizontal	Regular, vertical, horizontal, butt edges	Complex, angular, concave, horizontal
<b>Color</b>	Browns, reds	Vivid greens, tans	Reflective, gray
<b>Texture</b>	Fine grain, smooth	Fine grained grasslands; dense, medium grained trees	Medium grain, sparse density, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, flat	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Weak, horizontal	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from 7000 West adjacent to residences in Ioka, Utah*

Moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting viewed from residences in Ioka, Utah. The proposed Project would cross relatively flat to slightly rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access roads and vegetation clearing in the right-of-way would be mostly screened by vegetation, but where visible would introduce additional geometric forms and curvilinear lines into the landscape. The proposed structures would be seen at 0.3 mile and in context with an existing 345kV transmission line. The proposed structures would introduce a moderate/strong structure contrast due to their proximity to this viewpoint.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 108 Dinosaur Diamond SB (U.S. HWY 40 SW of Roosevelt)  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 2S  Range: 1W  Section: 31	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/rolling, rounded	Low, amorphous patches and stippled areas	Vertical, geometric, rectangular
<b>Line</b>	Horizontal, undulating, continuous	Weak indistinct and diffuse edges	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Beige, tans	Subtle, greens, tans, bright greens along riparian corridor and in	Brown, gray, blue, white
<b>Texture</b>	Medium grain	Fine to medium grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Beige, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>n/a</p> <p><b>Additional mitigating measures recommended?</b></p> <p>No</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from U.S. Highway 40 southwest of Roosevelt, Utah*

Weak contrast would result from the construction and operation of the proposed Project, within a panoramic landscape setting viewed from U.S. Highway 40. The proposed Project crosses rolling terrain and would be skylined as it crosses the plateau in the distance. Earthwork associated with construction access and tower pads would be visible and introduce thin diagonal lines and geometric pads on the plateau. Vegetation clearing in the right-of-way would be limited due to the low-growing vegetation and if seen, would introduce weak geometric vegetative forms. The proposed structures would be seen approximately 2 miles away adjacent to an existing 345kV transmission past an area of industrial development.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/25/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 3S  Range: 1E  Section: 6	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 109 Dispersed residences south of Roosevelt		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal, terraces	Low, flat	Low, geometric
<b>Line</b>	Undulating, horizontal, angular	Regular, linear, butt edges	Vertical, angular, horizontal
<b>Color</b>	Red, brown	Vivid greens, tans	Reflective, gray, white
<b>Texture</b>	Stippled, patchy, matte	Dense, granular	Fine grain, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal	Low, flat	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, horizontal	Regular, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Red, brown	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/25/2012
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from residences south of Roosevelt, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting from residences south of Roosevelt. The proposed Project would be mostly skylined as it traverses the land beyond the agricultural fields at the edge of the escarpment. Earthwork associated with the construction of access roads and right-of-way clearing would be mostly screened but where visible, would produce geometric forms and curvilinear lines in the landform and vegetation. The proposed structures would be seen at approximately 0.25 mile and due to separation between the proposed Project and the existing 345kV transmission line, the existing transmission line would be seen behind this viewpoint approximately 0.5 mile away. Due to the proximity of these residences to the proposed Project, structure contrast was assessed to be at a high level.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 110 Roosevelt residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 2S  Range: 1W  Section: 27	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, horizontal, plateaus	Low, flat	Vertical, geometric,
<b>Line</b>	Horizontal, angular	Regular, straight, horizontal	Complex, angular; thin/weak concave (conductors)
<b>Color</b>	Browns	Vivid greens, tans	Gray, transparent
<b>Texture</b>	Fine to medium grain	Dense, granular	Uniform medium grain, medium to sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin, triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
<b>Elements</b>	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south adjacent to residences south of Roosevelt, Utah*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from residences south of Roosevelt, Utah. The proposed Project crosses flat to gently rolling terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with construction access and right-of-way vegetation clearing would be mostly screened by topography from this viewpoint but where visible, would introduce geometric forms which would weakly contrast with the existing landscape character. The proposed structures would be seen 1.4 miles away beyond an existing transmission line and would be partially screened by topography. Due to the dominance of the existing transmission line, the proposed Project would introduce a weak structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 2S  Range: 1E  Section: 28	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 111 Bottle Hollow Reservoir		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly rolling with terraces	Low indistinct patches, stippled areas	Vertical, thin; geometric, triangular
<b>Line</b>	Continuous, horizontal to angular, undulating	Indistinct, weak diffuse edges	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds, light brown	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds, light brown	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from recreation area at the south side of Bottle Hollow Reservoir, UT*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting viewed from the Bottle Hollow recreation area. The proposed Project crosses rolling terrain and is located further from the viewer than the existing 345kV transmission line. Disturbance associated with construction access as well as vegetation clearing in the right-of-way would be mostly screened from view but where visible, would introduce curvilinear lines and geometric forms. The proposed structures would be seen approximately 1 mile away in a partially backdropped condition beyond an existing 345kV transmission line.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/10/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 113 Utah State Route 88 (north of Leota)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 6S  Range: 20E  Section: 21	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently rolling, jagged edges on edges of terraces	Low indistinct patches, stippled areas	Vertical, thin; geometric, triangular
<b>Line</b>	Continuous, horizontal, undulating, angular	Indistinct, weak diffuse edges	Complex, vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds	Sage greens, tans	Reflective, gray
<b>Texture</b>	Medium grain	Fine to medium grain	Uniform coarse grain, medium density, repeating

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density, repeating

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/10/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from Utah State Route 88 north of Pelican Lake*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III viewed from Utah State Route 88. The proposed Project crosses rolling terrain and due to the slightly superior viewing position, the proposed project would be backdropped. Disturbance associated with construction access and vegetation clearing within the right-of-way would be mostly screened by topography but where visible, would introduce weak contrast. The proposed structures would be seen partially screened 1.4 miles away, beyond an existing 345kV transmission line.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Fillmore Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 2E  Section: 5	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 131 Mount Nebo Loop Scenic Byway		
<b>VRM Class/VQO:</b> n/a		

## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Prominent, steep, undulating	Geometric and amorphous patches, stippled areas	Vertical, geometric
<b>Line</b>	Complex, diagonal, curving	Irregular butt and diffuse edges	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Variety of greens, tans, seasonal color	Reflective, gray, brown, transparent
<b>Texture</b>	Medium grain	Fine to medium grain	Medium grain, medium density, matted, uniform, ordered

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine texture	Fine grain	Uniform coarse grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Fillmore Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from intersection of Mount Nebo Scenic Byway and Utah State Route 132*

Moderate contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting viewed from the Mount Nebo Scenic Byway. The proposed Project would cross steep terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with the construction of access roads and vegetation clearing within the right-of-way would introduce additional geometric forms into the landscape. The proposed structures would be seen at approximately 0.5 mile in context with existing 345kV and 138kV transmission lines from an inferior viewing position. Therefore, the structures would introduce moderate structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S Range: 20E Section: 21	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 145 Thompson Springs residential		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, Book Cliffs are prominent in view	Short, patchy	Low, geometric
<b>Line</b>	Horizontal	Angular, broken, diffuse edges	Horizontal, diagonal
<b>Color</b>	Tans, grays	Gray-greens, tans	White, browns
<b>Texture</b>	Fine grain	Even, medium grain	Medium grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/5/2011
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from residences in Thompson Springs, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from residences in Thompson Springs, Utah. The proposed Project crosses level to gently rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access as well as right-of-way vegetation clearing would be mostly screened by vegetation and where visible, would introduce weak horizontal lines and geometric forms in both the landform and vegetation components of this landscape. The proposed structures would be seen 0.3 mile away and due to this proximity, would introduce a strong structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 147 Rangely residential  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 1N  Range: 102W  Section: 12	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, rounded, blocky	Amorphous patches, stippled	Geometric, rectangular, triangular, thin vertical
<b>Line</b>	Undulating horizontal, diagonal	Diffuse and butt edges	Angular, vertical, horizontal
<b>Color</b>	Brown-tans	Tan, dark greens, sage	Dark browns, tans, whites
<b>Texture</b>	Fine grain	Fine to medium grain	Coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Thin clearing for access road	Low thin strip of reestablished vegetation	Vertical, thin; geometric, triangular
<b>Line</b>	Horizontal, diagonal	Horizontal and diagonal butt edge created at clearing	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Brown-tan	Tans, greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from La Mesa Circle, Rangely, Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with residences in southeast Rangely, Colorado. The proposed Project would be seen from an inferior viewing position and would be mostly screened by topography. Disturbance associated with construction access roads and tower pads would also be mostly screened by topography but where visible, would weakly contrast with existing landform and vegetation characteristics. The proposed structures and conductors would be seen 0.7 mile away and would be almost entirely screened from view but where visible, would be skylined in a moderately modified landscape setting.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 5N  Range: 98W  Section: 1	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 150 Dinosaur National Monument (SE Entrance)		
<b>VRM Class/VQO:</b> n/a		

## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Pyramidal, low rolling	Amorphous patches and strips	Vertical, geometric
<b>Line</b>	Undulating horizontal, curving band	Diffuse to butt edges	Vertical, diagonal, weak concave/horizontal
<b>Color</b>	Brown-tans, grays/black (road)	Light tans, yellow, dark green, and light greens	Browns, subtle grays
<b>Texture</b>	Fine to medium	Fine to medium	Medium grain, sparse density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Brown-tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing medium grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southeast from Deerlodge Road (Dinosaur National Monument), Colorado*

Moderate to moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from Deerlodge Road, which provides access into Dinosaur National Monument. The proposed Project would cross through level to rolling terrain in a partially skylined condition. Earthwork associated with construction access and tower pads would introduce both weak landform and vegetation contrast as these modifications would be similar to existing landscape character deviations. The transmission structures would be seen from approximately 0.5 mile away with two existing transmission lines located another 1 mile beyond the proposed Project and due to the proximity of the Project, structure contrast was assessed to be strong. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to limit dominance of transmission structures being located adjacent to Deerlodge Road. It is important to note that two other route variations are under study in the Draft EIS and would introduce a weaker level of contrast. This weaker contrast is a result of these alternatives being located beyond the existing transmission line and therefore, the existing features would be more dominant from this viewing location than the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S  Range: 25E  Section: 2	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 152 I-70 Harley Dome Rest Area (Dinosaur Diamond SB)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow to moderate slopes, rounded	Indistinct, stippled	n/a
<b>Line</b>	Horizontal, diagonal, undulating	Indistinct, irregular	n/a
<b>Color</b>	Tans, reds, grays	Dark greens	n/a
<b>Texture</b>	Fine to medium grain	Medium grain, uneven/random	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from overlook at Harley Dome Rest Area, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with the Harley Dome Rest Area that provides views of the Book Cliffs. The proposed Project would cross through rolling terrain in backdropped and intermittently screened conditions and would be viewed from a superior position. Disturbance associated with construction access and tower pads would have weak contrast with landform and vegetation elements of form, line, color, and texture due to the rolling terrain and low-growing vegetation. The proposed structures and conductors would be visible at 0.6 mile and would have moderate/strong contrast with existing structural elements in a natural landscape setting.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Grand Junction Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 9S  Range: 104W  Section: 28	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 153 Mack residential		
<b>VRM Class/VQO:</b> IV		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow slopes, rugged in areas	Indistinct, patches, stippled	n/a
<b>Line</b>	Horizontal, broken diagonal	Indistinct	n/a
<b>Color</b>	Tans	Gray-greens	n/a
<b>Texture</b>	Fine to medium grain	Medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance for geometric tower pads and access through flat	Thin horizontal band of low growing reestablished vegetation at tower	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Horizontal	Horizontal	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Grand Junction Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from dispersed residences west of Mack, Colorado*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape with VRM Class IV designation and associated with a residences near Mack, Colorado. The proposed Project would be viewed in a skylined condition from a level position as it traverses through relatively flat terrain. Disturbance associated with construction access and tower pads as well as any right-of-way vegetation clearing would weakly contrast with existing landform and vegetation characteristics. The proposed structures and conductors would be seen 0.3 mile away and would strongly contrast with existing structural elements as they would be seen above the horizon in a setting with limited visible cultural modifications.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 177 Overland Trail historical monument (WY HWY 789)  <b>VRM Class/VQO:</b> IV	<b>Location:</b>  Township: 17N  Range: 92W  Section: 9	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, rolling	Low, amorphous patches	Thin, vertical
<b>Line</b>	Undulating, horizontal	Irregular, diffuse, indistinguishable to strong butt edge (at road)	Vertical, horizontal, weak horizontal
<b>Color</b>	Browns, tans, grays (road)	Greens, tans, grays	Light browns, subtle grays
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, sparse

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features															
		Landform/Water Body				Vegetation				Structures							
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None				
Elements	Form																
	Line																
	Color																
	Texture																

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p> <p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



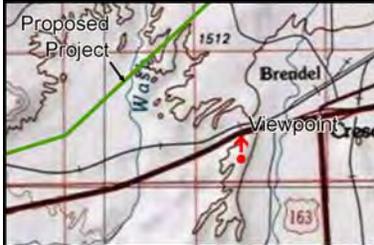
*View east from Overland Trail Historic Marker on Wyoming 789*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting designated as VRM Class IV associated with views from the Overland Historic Trail as it crosses Wyoming 789. The proposed Project would be seen from a level position with intermittent to partially screened views of partially skylined structures and conductors through rolling terrain. Disturbance associated with construction access and tower pads would weakly contrast with existing landform and vegetation patterns. The proposed structures and conductors would be visible at approximately a 0.5 mile and would produce a moderate/strong structure contrast as portions of the project structures and conductors would be visible above the horizon. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to limit dominance of transmission structures being located adjacent to the trail/historic marker.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 193 I-70 Crescent Junction Rest Stop (Dinosaur Diamond SB)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 21S  Range: 19E  Section: 33	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, vertical, horizontal, rolling, rugged, plateaus	Few, stippled	Geometric, vertical
<b>Line</b>	Parallel, horizontal, curving, diagonal, angular	Weak diffuse, indistinct	Straight, horizontal
<b>Color</b>	Tans, grays, reds	Tans, greens	Light tan, brown, gray
<b>Texture</b>	Banded, medium to coarse grain	Fine grain	Medium grain, medium density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View north from picnic area at Crescent Junction Rest Area, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with the Crescent Junction Rest Area that provides views of the Book Cliffs. The proposed Project would cross through rolling terrain in a backdropped condition and would be viewed from a superior position. Disturbance associated with construction access and tower pads would produce a weak contrast due to the flat terrain and low-growing existing vegetation communities. The proposed structures and conductors would be visible at approximately 1 mile and would have moderate contrast due to the number of existing structures located closer to the viewpoint than the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 194 Potters Ponds  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 16S  Range: 6E  Section: 8	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded, level ridgeline	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous, horizontal	Flowing, complex, irregular	n/a
<b>Color</b>	Tans	Vivid, greens, tans, seasonal variation	n/a
<b>Texture</b>	Medium to coarse grain	Coarse, stippled, scattered	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin; geometric, triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Potters Pond, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated by the Manti-La Sal NF as a partial retention VQO. The proposed Project crosses moderately steep terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access would introduce curvilinear lines into the landscape as roads would be built to access towers on moderately steep slopes. Vegetation clearing within the right-of-way would create geometric forms and a butt edge in the vegetation. The proposed structures would be seen at approximately 0.75 mile and introduce a strong structure contrast. Through the application of selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing), contrast associated with the proposed Project would be reduced.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 195 Indian Creek Campground  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 16S  Range: 6E  Section: 10	<b>Location Sketch</b>  
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	Vertical, geometric
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	Complex, angular
<b>Color</b>	Tans, grays	Vivid, greens, tans, seasonal variation	Gray, transparent
<b>Texture</b>	Medium to coarse grain	Coarse grain, dense	Medium grain, sparse density, matted, uniform

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Angular, bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Indian Creek Campground, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting viewed from the Indian Creek Campground within lands designated by the Manti-La Sal NF as a partial retention VQO. The proposed Project would cross steep terrain as it descends into the Wasatch Plateau Park landscape where level to rolling terrain would be traversed. Disturbance associated with the construction of access roads and vegetation clearing in the right-of-way would be mostly screened by vegetation except on steep terrain across the Wasatch Plateau landscape. In this area, these disturbances would introduce additional geometric forms in the landscape generating a moderate/strong contrast. The proposed structures would be seen from 0.3 mile away and would be skylined above the trees in the foreground. Through modification of the proposed structure type in this area, shorter H-frame structures would be utilized to reduce the dominance of skylined structures. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would also be applied to reduce landscape contrast where the proposed Project traverses steeper terrain.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 5E  Section: 36	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 196 Fairview Lakes residential		
<b>VRM Class/VQO:</b> Partial Retention		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Wide trough-shaped, rolling, rounded	Vertical, complex, pyramidal, amorphous patches	Low, geometric
<b>Line</b>	Curving, continuous, diagonal	Flowing, complex, irregular, butt edges	Angular, vertical
<b>Color</b>	Tans	Vivid, greens, tans, seasonal variation	Browns and greens
<b>Texture</b>	Fine to medium grain	Medium to coarse grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin, triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northeast from residences north of the Fairview Lakes, Utah*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting designated by the Manti-La Sal NF as a partial retention VQO as viewed from residences adjacent to Fairview Lakes. The proposed Project would cross moderately steep terrain and would be backdropped by adjacent terrain. Disturbance generated from the construction of access roads tower pads as well as right-of-way vegetation clearing would primarily be screened by vegetation except where the proposed Project crosses the saddle between the two mountains on the east side of the valley. In this location, these disturbances would develop a weak/moderate landscape contrast through the introduction of geometric forms and curvilinear lines incongruent with the existing landscape character. The proposed structures would be seen at approximately 1.8 miles in a level to slightly inferior viewer position and would produce a moderate level of structure contrast. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/6/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 22N  Range: 81W  Section: 20	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 197 Hanna residential		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling	Tall pyramidal, low amorphous patch	Vertical, geometric, rectangular (homes)
<b>Line</b>	Gently undulating, horizontal	Indistinct, weak diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, grays (road)	Greens, tans	Grays and browns, varying color (homes)
<b>Texture</b>	Fine grain, smooth	Coarse to fine grain	Medium density and grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric, thin horizontal clearing(s) for tower pads and	Cleared geometric, horizontal clearings for tower pads and access	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Diagonal, horizontal and undulating	Creating butt edge(s) at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Contrasting tans from soil disturbance for clearings	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features													
		Landform/Water Body				Vegetation				Structures					
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
Elements	Form														
	Line														
	Color														
	Texture														

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/6/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Linda Drive, Hanna, Wyoming*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with residences in Hanna, Wyoming. The proposed Project would cross through rolling terrain in a skylined condition. Disturbance associated with construction access and tower pads would weakly contrast with the existing landform's form, line, color, and texture. Weak contrast with existing vegetation patterns would occur because after revegetation, the areas cleared for construction would begin to blend with the existing low-growing vegetation. The proposed structures and conductors would be seen at approximately 0.5 mile as it parallels an existing transmission line. The proposed structures would be much larger than the existing; therefore, would strongly contrast with the existing structural elements in the landscape.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/6/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 198 U.S. Highway 30 (east of Hanna)  <b>VRM Class/VQO:</b> IV	<b>Location:</b> Township: 22N  Range: 80W  Section: 7	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling	Indistinct, amorphous and geometric patches	Vertical, geometric
<b>Line</b>	Gently curving, undulating horizontal	Butt and weak diffuse edges	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Browns, tans, grays (roads)	Greens, tans, grays, yellow	Brown, gray
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/6/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from U.S. Highway 30, Wyoming*

Weak/moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with U.S. Highway 30. The proposed Project would be seen from a level position with intermittent screening with portions of structures and conductors skylined through rolling terrain. Disturbance associated with construction access and tower pads would not be visible from this KOP. The proposed structures and conductors would be visible at approximately 1.5 miles and would generate a weak/moderate structure contrast as portions of the project structures would be visible above the horizon behind an existing 230kV transmission line. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to decrease dominance of transmission structures being located adjacent to the highway.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/24/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 200 Argyle Canyon Road  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 11S  Range: 13E  Section: 27	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	V-shaped, bold, steep, level valley	Numerous, irregular	n/a
<b>Line</b>	Diagonal, angular, jagged, horizontal	Broken, flowing, angular	n/a
<b>Color</b>	Tans and grays	Variety of greens, tans, little seasonal variation	n/a
<b>Texture</b>	Medium, granular, fine grain in valley	Random, scattered, fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal, pyramidal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans and grays	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating/diminishing coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/24/2012
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Argyle Canyon Road, Utah*

Strong contrast would result from the construction and operation of the proposed Project within this enclosed landscape setting designated as VRM Class III viewed from Argyle Canyon Road. The proposed Project would be located where the flat valley floor meets the steep side slopes of the canyon. Disturbance associated with right-of-way clearing would be minimal due to the low-growing vegetation present along the valley floor. The proposed structures, located less than 0.25 mile away, would become a dominant feature and produce an ordered, rhythmic element in this landscape. Due to the proximity to the viewer, the proposed Project would not be compliant with the definition of BLM VRM Class III. There are limited opportunities to mitigate the proposed Project as any adjustment of the alignment would move the proposed Project into extremely steep terrain which would further increase visual contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S  Range: 16E  Section: 34	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 201 Crystal Geysers		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Curving band (river), rolling to level	Continuous strip of riparian vegetation, stippled	Vertical, geometric
<b>Line</b>	Complex, diagonal, horizontal	Undulating, weak, diffuse edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, reds	Variety of greens, browns	Brown, gray
<b>Texture</b>	Rippled to smooth, glossy (river), rough, striated	Fine to medium grain (river corridor), sparse, medium grain	Repeating coarse to medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, reds	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/5/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Crystal Geysers, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III and viewed from Crystal Geysers. The proposed Project traverses gently rolling terrain and due to the low-growing vegetation in the right-of-way, contrast from vegetation clearing would be minimal. Construction access roads would introduce curvilinear lines into the landscape that would produce a weak/moderate landscape contrast. The proposed structures would be seen approximately 0.5 mile away in a skylined condition adjacent to an existing 345kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/25/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10S  Range: 19E  Section: 19	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 203 Fourmile Bottom		
<b>VRM Class/VQO:</b> II		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, domed, rolling to rugged	Typically low except for scattered trees in riparian corridor	n/a
<b>Line</b>	Undulating, angular, diagonal, horizontal	Undulating, continuous in along river; indistinct on hills	n/a
<b>Color</b>	Tans, browns	Variety of greens, subtle tans	n/a
<b>Texture</b>	Medium to coarse grain	Fine to medium grain, dense in riparian corridor, sparse and	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 7/25/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northeast from Fourmile Bottom adjacent to the Green River, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a landscape setting designated as VRM Class II as viewed from the Fourmile Bottom River Access Area on the Green River. The proposed Project would traverse moderately steep rolling terrain and would be skylined as it crosses the canyon ridgeline. Disturbance associated with construction access and grading of tower pads would introduce a weak/moderate contrast due to the geometric forms created by these project features. Due to the limited amount of vegetation clearing that would be seen from this KOP, contrast associated with the modification of vegetation patterns would be weak. The proposed structures would be seen at approximately 0.75 mile and would dominate views since there are few structural elements in the landscape. The application of selective mitigation measures #3 (minimize ground disturbance) and #9 (maximize span length) would reduce contrast generated by the proposed Project as viewed from the Green River.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Fillmore Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 204 Nephi residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 12S  Range: 1E  Section: 33	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, moderately steep, rolling	Amorphous and geometric patches	Vertical, geometric
<b>Line</b>	Undulating, diagonal, curving	Butt and diffuse edges	Complex, angular
<b>Color</b>	Tans	Dark greens, tans	Brown
<b>Texture</b>	Medium grain, continuous	Medium grain, dense to sparse	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

		Features														
		Landform/Water Body				Vegetation				Structures						
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None			
Elements	Form															
	Line															
	Color															
	Texture															

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  Yes
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Fillmore Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from residences along 1450 North in Nephi, Utah*

Moderate contrast would result from the construction of the proposed Project within an enclosed landscape setting as viewed from residences within Nephi, Utah. The proposed Project would cross steep terrain and would be partially skylined across the foothills landscape. Disturbance associated with construction access roads and clearing of vegetation within the right-of-way would introduce additional geometric forms into the landscape. The proposed structures would be seen 0.6 mile away from an inferior viewing position in context with existing transmission lines. Due to the proximity of the existing transmission lines, a weak/moderate structure contrast is anticipated from this viewpoint. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14S  Range: 3E  Section: 6	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 205 Fountain Green residential		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Domed, rolling, undulating	Stippled areas and amorphous patches	Low, geometric
<b>Line</b>	Curving, angular	Butt to diffuse edges	Horizontal, diagonal
<b>Color</b>	Tans, reds	Dark greens, gray-green, tans	Grays, browns
<b>Texture</b>	Medium grain	Fine to medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin, triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans, reds	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from residences on east side of Fountain Green, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III viewed from residences in Fountain Green. The proposed Project crosses moderately steep terrain and would be backdropped by the adjacent terrain. Disturbance related to the construction of access roads and clearing of vegetation in the right-of-way would be partially screened by terrain in the foreground but where visible, would produce weak/moderate landscape contrast. The proposed structures would be viewed from an inferior viewing position approximately 1.5 miles away in context with an existing 345kV and 138kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14S  Range: 4E  Section: 26	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 206 Dispersed residences north of Mt. Pleasant		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly concave to gently rolling	Low distinct patches, with areas of stippling	Weak vertical, geometric
<b>Line</b>	Continuous, horizontal, undulating, simple	Butt edges between agricultural fields,	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, browns	Greens, tans	Tans, whites, browns
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, medium density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from road adjacent to residence north of Mount Pleasant, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project, within a panoramic landscape setting as viewed from residences north of Mount Pleasant. The proposed Project crosses flat to gently rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access and right-of-way clearing would be mostly screened by topography but where visible, would introduce geometric forms and curvilinear lines into the landscape. The proposed structures would be seen at approximately 0.5 mile with an existing 345kV transmission line visible 0.8 mile away. The proposed Project would introduce moderate to moderate/strong structure contrast due to the proximity of the proposed Project to these viewers with unobstructed views.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 18S  Range: 8E  Section: 23	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 207 Dispersed residences northeast of Castle Dale		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow slopes, level to rolling slopes	Indistinct, patches, stippled	Geometric, transparent
<b>Line</b>	Horizontal, broken diagonal	Indistinct, diffuse edges	Vertical, horizontal; concave (conductors)
<b>Color</b>	Tans	Gray-greens, yellows, tans	Dull gray, transparent
<b>Texture</b>	Fine to medium grain	Medium grain	Medium grain, medium density, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic ; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from residence along Utah State Route 10, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with views from residences northeast of Castle Dale. The proposed Project would cross flat terrain and would be partially backdropped by adjacent terrain. Disturbance generated by construction access roads and tower pads as well as right-of-way vegetation clearing would mostly be screened from view but where visible, would introduce geometric forms and curvilinear lines into the landscape. The proposed structures would be seen 0.6 mile away in context with two existing 345kV transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 208 west Helper residential	Range: 9E	
<b>VRM Class/VQO:</b> n/a	Section: 23	

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Plateaus, level BG: Bold vertical, horizontal, rugged	Amorphous masses, stippled areas	Geometric, vertical
<b>Line</b>	Vertical, diagonal, angular	Weak, diffuse, indistinct	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays, reds	Dark greens	Brown
<b>Texture</b>	Banded, course grain	Fine to medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Stippled vegetation	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Diffuse edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays, reds	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/23/2012
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from residences on the west side of Helper, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a focal landscape viewed from residences located along the west side of Helper, Utah. The proposed Project crosses rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access would introduce additional curvilinear lines and geometric forms into the landscape. Clearing of vegetation within the right-of-way would be mostly screened from view but where visible, would produce geometric forms incongruent with existing vegetation patterns. The proposed structures would be seen at 0.3 mile and due to the proximity to the viewers, would introduce a strong structure contrast even though the proposed Project would be seen in context with an existing small transmission line and railroad line. Skylined structures would be viewed on the distant ridge adjacent to the existing transmission line as well as skylined over the rooflines of residences viewed from this location. Due to the scattered residences located further up the canyon, there are limited opportunities to mitigate the proposed Project through an adjustment of the centerline without transferring impacts to another group of residences. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied but these would not reduce contrast associated with the introduction of the additional transmission structures.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 210 Dinosaur residential  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 3N  Range: 103W  Section: 7	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly concave to gently rolling	Low indistinct and geometric patches, stippled and clumped areas	Vertical, geometric, rectangular
<b>Line</b>	Continuous, horizontal, undulating, simple	Indistinct, weak diffuse and butt edges	Vertical, horizontal
<b>Color</b>	Light gray, tans, light brown, subtle	Sage, greens, tans	Subtle grays, browns greens, whites
<b>Texture</b>	Fine grain	Fine to medium grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View south from Brachiosaurus Street, Dinosaur, Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with residential views from Dinosaur, Colorado. The proposed Project would cross low rolling terrain in a partially backdropped condition. Construction access and tower pad disturbance to landform and vegetation would not be visible from the KOP. The proposed structures and conductors would be seen at approximately 1 mile paralleling an existing transmission line. The proposed structures would be larger and introduce moderate contrast due to the relative scale when compared to the existing transmission line structures.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 3N  Range: 103W  Section: 8	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 211 Dinosaur National Monument Visitor Center		
<b>VRM Class/VQO:</b> III		

## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat gently rolling, layered horizontal	Low indistinct patches, stippled and clumped in areas	Thin vertical, geometric, rectangular
<b>Line</b>	Horizontal, undulating, simple	Indistinct, weak diffuse edges and butt edges	Vertical, horizontal
<b>Color</b>	Tans, light brown, gray, black	Sage, greens, tans, yellow	Grays, brown
<b>Texture</b>	Fine grain	Fine to medium grain	Coarse grain, medium density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform medium grain, medium to sparse density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Canyon Visitor Center for Dinosaur National Monument, Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III and associated with views from the Canyon Visitor Center at Dinosaur National Monument. The proposed Project would cross low rolling terrain in a skylined condition. Construction access and tower pad disturbance to landform and vegetation would not be visible from the KOP. The proposed Project structures and conductors would be seen at approximately 1.3 miles and introduce a moderate structure contrast. The proposed Project would parallel an existing transmission line, but the existing transmission is backdropped and intermittently screened while the proposed Project would be viewed in an unobstructed and skylined condition.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 212 Fairview residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 13S  Range: 4E  Section: 36	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, undulating, rolling	Vertical, amorphous patches, stippled areas	Thin, geometric
<b>Line</b>	Diagonal, curving	Flowing, complex, diffuse and butt edges	Vertical, horizontal
<b>Color</b>	Tans, whites	Greens, tans, seasonal variation	Browns
<b>Texture</b>	Medium to fine grain	Medium grain	Medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin, triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans, whites	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  Yes
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from Utah State Route 31 adjacent to residences east of Fairview, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from residences east of Fairview. The proposed Project crosses steep terrain and would be backdropped by adjacent terrain. Disturbances related to construction of access roads and clearing of vegetation in the right-of-way would be partially screened by vegetation in the foreground. Where visible, these elements would produce a moderate to moderate/strong landscape contrast through the introduction of geometric forms and curvilinear lines. The proposed structures would be seen from an inferior viewer position 1.2 miles away. Application of selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by access road construction and right-of-way vegetation clearing.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 7E  Section: 33	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 213 Clear Creek residential		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	Geometric, horizontal, rectangular
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	Vertical, angular, regular
<b>Color</b>	Tans, grays	Vivid, yellow, greens, seasonal variety	Brown, gray
<b>Texture</b>	Medium grain	Coarse, stippled, scattered	Coarse grain, sparse density, uniform

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View north from Clear Creek Residences, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting from residences in Clear Creek. The proposed Project crosses steep terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access and right-of-clearing would be screened by topography and vegetation; therefore, disturbance to these features would not be visible from this KOP. The proposed structures would be seen at approximately 0.5 mile with a small distribution power line in the foreground. Selective mitigation measure #9 (maximize span length) would reduce contrast by limiting the number of towers visible from this viewpoint by spacing the towers as far apart as practicable at the canyon crossing.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/26/2012
<b>BLM Field Office/National Forest:</b> Fillmore Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 214 Utah State Route 132 (north of Fountain Green)  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 13S  Range: 2E  Section: 10	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rolling, smooth, Mount Nebo is prominent in background	Stippled and loose amorphous patches	n/a
<b>Line</b>	Smooth, angular, simple, horizontal	Diffuse edges, irregular	n/a
<b>Color</b>	Tans	Dark greens, sage greens, tans, grays	n/a
<b>Texture</b>	Medium grain	Fine to medium grain, uneven/random	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>n/a</p> <p><b>Additional mitigating measures recommended?</b></p> <p>No</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/26/2012
<b>BLM Field Office/National Forest:</b>	Fillmore Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from Utah State Route 132 north of Fountain Green*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from Utah State Route 132. The proposed Project traverses moderately steep slopes and would be located along the top of the ridge, but would be backdropped by Mount Nebo in the background. Disturbance associated with construction access and vegetation clearing in the right-of-way would be mostly screened from view at this location but where visible, would introduce weak geometric forms. The proposed structures would be seen 1.2 miles away with views of the existing transmission lines screened by topography; therefore, a moderate structure contrast would be produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Fillmore Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 345kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 215 Mona residential  <b>VRM Class/VQO:</b> III	<b>Location:</b> Township: 11S  Range: 1E  Section: 31	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, slightly concave	Low geometric patches, stippled areas	Vertical, geometric
<b>Line</b>	Continuous, horizontal	Diagonal, horizontal, butt edges	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Grays, tans	Dark greens, bright greens, gray-greens, yellow, light brown	Grays, browns, tans
<b>Texture</b>	Uniform, fine grain	Fine to medium grain	Medium to coarse grain, medium density, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Fillmore Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	345kV Transmission Project



*View west from residences in Mona, Utah*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with residences in Mona, Utah. The proposed Project would be seen in a backdropped condition from a level viewing position as the proposed Project traverses through relatively flat terrain. Disturbance associated with construction access and tower pads would weakly contrast with existing landform and vegetation elements of form, line, color, and texture due to the level terrain and the low-growing vegetation. The proposed structures and conductors would be visible approximately 2 miles away and would weakly contrast with existing structural elements as existing transmission lines with similar design characteristics and energy generation facilities occur within this view.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10S  Range: 6E  Section: 16	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 216 U.S. Highway 6 (west of Soldier Summit)		
<b>VRM Class/VQO:</b> Partial Retention		

## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	V-shaped, bold, rugged	Stippled areas on slopes, amorphous patches	Vertical, geometric
<b>Line</b>	Diagonal, hard	Diffuse edges, irregular	Vertical; thin concave (conductors)
<b>Color</b>	Grays, reds	Dark greens, tans	Grays, transparent, browns
<b>Texture</b>	Medium to coarse grain, smooth surface texture	Medium to coarse grain, uneven/random	Medium grain, sparse density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View east from U.S. Highway 6 west of Solider Summit, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting in land designated by the Uinta-Wasatch-Cache National Forest as a partial retention VQO and viewed from U.S. Highway 6. The proposed Project crosses flat to gently rolling terrain and would be partially skylined as it crosses along the steep terrain located to the north of the highway. Disturbances associated with construction access and right-of-way vegetation clearing would be screened by topography from this location. The proposed structures would be seen approximately 0.5 mile away from an inferior viewing position in context with three existing transmission lines (two 345kV and one 138kV).

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 217 Skyline Drive Scenic Backway  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 15S  Range: 5E  Section: 24	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, diagonal, solid	Stippled areas, amorphous patches	n/a
<b>Line</b>	Diagonal, flowing, bold	Butt edges	n/a
<b>Color</b>	Tans, grays	Variety of greens, tans, grays	n/a
<b>Texture</b>	Coarse grain	Medium to coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Skyline Drive Scenic Backway, Utah*

Moderate/strong to strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated by the Manti-La Sal National Forest as a partial retention VQO. The proposed Project crosses steep terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access would produce curvilinear lines and large geometric forms in the landscape through associated earthwork. Areas of right-of-way vegetation clearing would introduce geometric vegetation patterns incongruent with the existing landscape character. The proposed structures would be seen 0.3 mile away from this location where the existing 345kV transmission line would not be visible. By relocating the proposed Project to be adjacent to the existing transmission line, through the application of selective mitigation measure #7, views of the proposed Project would be mostly screened from this viewpoint. To further reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S  Range: 9E  Section: 1	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 218 Wedge Overlook Scenic Backway		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow slopes, undulating, rugged edge	Indistinct, patches, stippled, mottled	Vertical, geometric
<b>Line</b>	Diagonal, horizontal, undulating	Indistinct	Vertical, concave
<b>Color</b>	Tans, grays	Tans, gray-greens	Brown
<b>Texture</b>	Medium grain	Medium grain	Medium grain, medium density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, grays	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



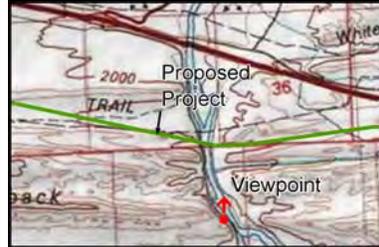
*View northeast from Wedge Overlook Scenic Backway, Utah*

Moderate to moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III viewed from the Wedge Overlook Scenic Backway. The proposed Project crosses rolling terrain and would be skylined from a slightly inferior viewer position. Disturbance associated with construction access would introduce a horizontal line and geometric forms into the landscape. Vegetation clearing would be limited to tower pads and access roads, which would introduce additional geometric forms contrasting with existing vegetation patterns. The proposed structures would be seen approximately 0.5 mile away introducing several skylined transmission structures and therefore, producing a moderate/strong structure contrast when compared to the small existing power line adjacent to the roadway. To effectively mitigate contrast on views from this scenic backway, the proposed Project would need to be located further to the north which would place the proposed Project outside of the designated utility corridor.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/7/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 220 North Platte River SRMA  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 20N  Range: 85W  Section: 3	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, rugged, blocky and flat (river)	Indistinct, some stippled areas and amorphous patches/strips	n/a
<b>Line</b>	Irregular, angular, banding and horizontal	Indistinct, diffuse and strong, irregular (butt edge along banks of	n/a
<b>Color</b>	Browns, tans, bluish-gray	Dull and dark greens, yellows	n/a
<b>Texture</b>	Medium to coarse grain and smooth, rippled, reflective	Fine to coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/7/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from CR 347, Rochelle Public Access Area of the North Platte River, Wyoming*

Moderate contrast would result from the construction and operation of the proposed Project in a feature/focal landscape setting associated with the Rochelle Public Access Area on the North Platte River with VRM Class IV designation. The proposed Project would be seen from a slightly inferior view as the proposed Project crosses rolling terrain in a partially backdropped and partially skylined condition. Disturbance associated with construction of access roads and tower pads would have a weak contrast with existing landforms since the majority of these ground disturbing activities would be screened from view. Weak contrast with existing vegetation patterns would occur because clearing of low-growing vegetation for access roads and tower pads would mostly be screened from view. The proposed structures and conductors would be seen 0.5 mile away and would have moderate/strong contrast with the existing landscape's structural elements due to partial topographic screening which would reduce the dominance of these structures. To further reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #9 (maximize span length) would be applied.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/3/2013
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 222 Hanna Draw Road  <b>VRM Class/VQO:</b> IV	<b>Location:</b> Township: 23N  Range: 81W  Section: 20	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, rugged, blocky	Indistinct, some stippled areas and amorphous patches	n/a
<b>Line</b>	Irregular, angular, curving, banding	Indistinct, diffuse and butt edge (at road)	n/a
<b>Color</b>	Browns, tans, reddish grays (gravel road)	Dull and dark greens, tans, yellow	n/a
<b>Texture</b>	Fine to medium grain	Medium grain	n/a

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearing for tower pad and access	Cleared geometric portions for tower pads and access	Bold, vertical; complex geometric/triangular
<b>Line</b>	Horizontal, diagonal	Creating straight, diagonal butt edges at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Contrasting tan from soil disturbance for clearings	Remaining low growing vegetation, greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Coarse to medium grain and density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	5/3/2013
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Hanna Draw Road, Wyoming*

Strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting viewed from Hanna Draw Road. The proposed Project would cross moderately steep to rolling terrain. Disturbance from the construction of access roads and tower pads would moderately contrast with the existing landforms. Weak/moderate contrast with existing vegetation patterns would occur because after revegetation, the areas cleared for construction would begin to blend with the existing low-growing vegetation. The proposed structures and conductors would be visible at approximately 0.5 mile and introduce strong structure contrast as several structures would be skylined. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #9 (maximize span length) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 89W  Section: 4	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 223 U.S. Highway 40 (viewpoint pullout east of Craig)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat to gently rolling, geometric/blocky	Tall clumping and low, amorphous and geometric patches, stippled in	Thin vertical
<b>Line</b>	Flat horizontal to undulating horizontal	Horizontal, vertical, diffuse and butt edges	Vertical
<b>Color</b>	Browns, tans, light reds	Variations of greens, tans, yellows, reds	Subtle grays
<b>Texture</b>	Fine grain	Medium to coarse grain	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View west from US Highway 40, Colorado*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with U.S. Highway 40 and the Yampa River valley, east of Craig, Colorado. The proposed Project would be seen from a level view in an intermittently screened condition with structures skylined as the proposed Project traverses rolling terrain. Disturbance associated with construction access and tower pads would not be visible from this KOP. The proposed structures and conductors would be visible approximately 1.5 miles away and due to the screening present from this viewpoint, these structures would weakly contrast with existing structures in this landscape.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/6/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 224 U.S. Highway 30 (Walcott)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 21N  Range: 84W  Section: 25	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling	Amorphous and geometric patches, areas of stippling	Thin repeating vertical, geometric/rectangular
<b>Line</b>	Gently curving/straight band, horizontal, diagonal	Indistinct to weak diffuse edges and strong butt edges (at road,	Vertical, diagonal, broken horizontal
<b>Color</b>	Browns, tans, grays	Greens, tans, grays, yellows	Subtle grays, browns, white
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Medium grain, sparse to medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/6/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from U.S. Highway 30, Wyoming*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class IV designation and associated with U.S. Highway 30 northeast of Walcott Junction, Wyoming. The proposed Project would be seen from a superior view with the top portions of structures and conductors skylined as it crosses through rolling terrain. Disturbance associated with construction access and tower pads would have weak contrast in the landform and vegetation elements of form, line, color, and texture as additional diagonal lines would be produced which would be similar to existing disturbances. The proposed structures would be seen approximately 1.5 miles away and would introduce a weak/moderate contrast with existing structural elements in view.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14N  Range: 91W  Section: 18	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 225 Outlaw Trail Loop Scenic Dr(WY 789 N of Baggs)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, gently rolling, blocky	Large, amorphous patches	Low, cylindrical and thin, vertical
<b>Line</b>	Horizontal, diagonal	Butt (at road) and diffuse edges	Vertical, horizontal
<b>Color</b>	Greenish-gray, tan, grays (road)	Greens, yellow, tans	Dark, dull green, tans, light grays, browns
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Fine grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rectangular tower pads and access parallel to highway	Cleared rectangular portions for tower pads and access	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Diagonal, horizontal	Creating butt edge at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Contrasting tans from exposed soil	Low growing reestablished vegetation; greens, yellow, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



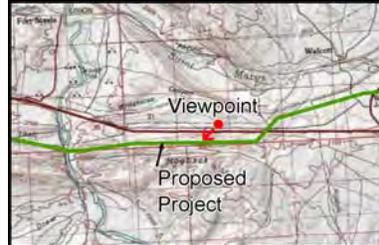
*View south on Wyoming Highway 789*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class IV designation and associated with long duration views along Wyoming Highway 789. The proposed Project would be seen from a level view with structures and conductors skylined as it crosses through relatively flat terrain. Disturbance associated with construction access and tower pads would have weak contrast in the landform and vegetation elements of form, line, color, and texture as broken diagonal lines from the disturbance would be intermittently visible. The proposed structures and conductors would be visible directly adjacent to the road and would strongly contrast with existing structural elements of form, line, color, and texture as the structures and conductors would be visible above the horizon for a long duration as they parallel the highway. Please note the proposed Project would traverse an area of VRM Class III approximately 3 miles to the north. Views from Wyoming Highway 789, of the proposed Project traversing this area approximately 0.5 mile away from the highway, would be partially screened by terrain traveling northbound. Due to the short view duration of the potential Project traversing this area, approximately 3 miles on a high-speed travel route and the partial screening, the Project would be compliant with VRM Class III objectives.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/3/2013
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21N  Range: 84W  Section: 32	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 226 Interstate 80 (east of Sinclair)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, pyramidal to blocky	Indistinct clumped, some stippled areas	Thin repeating vertical
<b>Line</b>	Irregular, angular, diagonal, layered	Indistinct, diffuse, diagonal	Vertical, horizontal, diagonal
<b>Color</b>	Browns, tans, grays	Dull and dark green, tans	Browns, subtle grays
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Fine grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	5/3/2013
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Interstate 80, Wyoming*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project in a focal landscape setting with VRM Class IV designation and associated with views from Interstate 80. The proposed Project would be located behind the adjacent ridge; therefore, the proposed Project would be mostly screened from view. Disturbance associated with construction access and tower pads as well as any right-of-way vegetation clearing would also be screened by the adjacent ridge. The proposed structures and conductors would be seen at approximately 0.75 mile and introduce moderate contrast as only the top portion of the structures would be visible, skylined over the ridge.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 227 Wyoming Highway 71  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 20N  Range: 88W  Section: 1	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, undulating	Amorphous patches, curving strip, mottled	n/a
<b>Line</b>	Undulating, horizontal	Curving and diagonal butt edges	n/a
<b>Color</b>	Tans, browns, grays (road)	Variations of greens, golden	n/a
<b>Texture</b>	Fine grain	Fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from Wyoming Highway 71*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape associated with Wyoming Highway 71. Disturbance associated with construction access as well as vegetation clearing in the right-of-way would be mostly screened from view but where visible, would introduce curvilinear lines and geometric forms. The proposed structures and conductors would be viewed in a skylined condition from less than 0.5 mile away and would introduce strong contrast for structure elements of form, line, color, and texture into the landscape. Selective mitigation measure #9 (maximize span length) would be applied at the highway crossing to reduce the dominance of the transmission line structures within the view, however structure contrast would remain strong as the structures and conductors would still be seen in a skylined condition.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 228 Outlaw Trail Loop Scenic Drive (WY HWY 789 S of I-80)  <b>VRM Class/VQO:</b> IV	<b>Location:</b>  Township: 19N  Range: 92W  Section: 3	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently rolling	Low, amorphous and geometric patches	Thin vertical
<b>Line</b>	Undulating horizontal, continuous	Diffuse and butt edges	Vertical, weak horizontal
<b>Color</b>	Browns, tans, grays (road)	Greens, tans, browns	Light browns, subtle gays, green
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, repeating

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p> <p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Wyoming Highway 789*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape with VRM Class IV designation and associated with Wyoming Highway 789. The proposed Project would be seen from a level view with structures and conductors skylined as it crosses through rolling terrain from an inferior viewing position. Earthwork associated with access road and tower pad construction as well as any right-of-way vegetation clearing would not be visible from this viewpoint because of topographic screening. The proposed structures and conductors would be seen along the horizon at 0.7 mile away and would introduce moderate/strong structure contrast. The span between structures at the crossing of the highway would be maximized (selective mitigation measure #9) to reduce their dominance on views from the highway and therefore, contrast would also be reduced.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 229 Wamsutter residential  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 20N  Range: 94W  Section: 34	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat and level to slightly rolling	Low, amorphous patches and tall pyramidal	Geometric rectangular (home), thin vertical, low vertical and horizontal
<b>Line</b>	Horizontal, continuous	Irregular, diffuse and indistinguishable	Vertical, horizontal, diagonal
<b>Color</b>	Browns, tans, grays	Greens, tans	Browns, whites, reds
<b>Texture</b>	Fine grain	Fine to medium grain	Medium to coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin vertical
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating medium grain, sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from residence along Wamsutter-Crooks Gap Road in Wamsutter, Wyoming*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting with VRM Class III designation and associated with residences in Wamsutter, Wyoming. The proposed Project would be seen from a level view and intermittently screened in nearly flat terrain. Disturbance associated with construction access and tower pads would not be visible from this KOP. The proposed structures and conductors would be visible approximately 3 miles away and would have a weak contrast with existing structural elements as viewed from this location.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 239 Dinosaur Diamond SB (Colorado St HWY 64)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 3N  Range: 103W  Section: 19	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/slightly concave to gently rolling, horizontal, geometric	Low indistinct amorphous and geometric patches	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Continuous, layered horizontal, simple, curving	Indistinct, butt and diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Light gray, tans, light brown	Sage, greens, tans, yellow	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating medium grain, sparse density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, rhythmic; geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating coarse to medium grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Colorado State Highway 64*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation as viewed from Colorado State Highway 64. The proposed Project would cross through relatively flat terrain in a skylined condition. Due to topographic screening in the rolling terrain, modifications to the landform and vegetation components of contrast would not be visible from this KOP. The Project structures and conductors would be visible at approximately 0.5 miles above the horizon and introduce moderate structure contrast. The proposed Project would parallel an existing transmission line, but the existing transmission line is backdropped and intermittently screened whereas the proposed Project would be viewed in a skylined condition. Selective mitigation measure #9 (maximize span length) would be applied at the highway crossing to reduce the visual dominance of the transmission line structures being located adjacent to the highway.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 240 Colorado State Highway 64  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 2N  Range: 101W  Section: 33	<b>Location Sketch</b>  
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, pyramidal/blocky with Horizontal/diagonal bands	Amorphous patches, stippled areas	Rectangular, triangular
<b>Line</b>	Horizontal, diagonal	Diffuse and butt edges	Horizontal, diagonal
<b>Color</b>	Brown-tans	Greens, grays, tans yellow	Grays, white, browns
<b>Texture</b>	Fine to coarse grain	Fine to coarse grain	Medium grain, sparse

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearings for tower pad and access	Cleared portions for tower pads and access creating geometric	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Diagonal, horizontal	Horizontal and or diagonal butt edges at clearings	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans	Tans and greens of remaining vegetation after clearing for tower	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

## Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="font-size: 1.2em;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="font-size: 1.2em;">No</p>
<p><b>Evaluator(s):</b></p> <p>Nate Ferguson</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View east from Colorado State Highway 64, east of Rangely Colorado*

Moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape associated with Colorado State Highway 64 near Rangely, Colorado. The proposed Project would traverse dissected, sloping terrain in partially screened and skylined conditions. Construction access and tower pad disturbance would weakly contrast with existing landform characteristics since much of the associated disturbance would be screened from viewers along the highway. Weak contrast with existing vegetation patterns would occur where right-of-way clearing through pinyon-juniper vegetation would create geometric forms. Moderate structure contrast would be generated since the proposed Project would be viewed intermittently above the horizon.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 241 Dinosaur Diamond SB in Canyon Pintado NHD  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 1N  Range: 101W  Section: 18	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, dissected, ridges and narrow valleys/drainages	Patches and stippled areas	Thin vertical, rectangular
<b>Line</b>	Complex, diagonal	Butt and diffuse edges	Vertical
<b>Color</b>	Tans, grays	Light and dark greens, tans	Browns, grays
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric tower pads and access	Cleared portions for tower pads and access	Bold, vertical; complex geometric/triangular
<b>Line</b>	Diagonal, horizontal	Creating butt edge at clearing	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Contrasting tans from soil disturbance for clearings	Light and dark greens, tans	Dull gray, transparent
<b>Texture</b>	Medium grain	Medium to coarse grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Colorado State Route 139, Dinosaur Diamond Scenic Byway*

Strong contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting with VRM Class III designation as viewed from the Dinosaur Diamond Scenic Byway near Rangely, Colorado. The proposed Project would cross rugged terrain in a skylined condition. Modifications to landform associated with construction access and tower pad earthwork would introduce moderate contrast to landform elements of form, line, color, and texture as thin contrasting diagonal lines would be introduced. Similarly, moderate contrast of vegetation elements of form, line, color, and texture would occur where geometric clearings produced by right-of-way clearing through pinyon-juniper would be visible. The proposed structures and conductors would be visible from 0.5 mile in a skylined condition which would introduce strong structure contrast. To reduce contrast, selective mitigation measures #3 (minimize earthwork), #4 (minimize vegetation clearing), and #9 (maximize span length) would be applied to decrease contrast to the extent practicable. To further reduce contrast, the proposed Project could be located closer to the existing 138kV transmission line which would mostly screen views of the proposed Project from this location.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 242 Whiskey Creek residential  <b>VRM Class/VQO:</b> III	<b>Location:</b> Township: 4S  Range: 104W  Section: 24	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, blocky, dissected, ridges and narrow valleys/drainages	Patches/clumped and stippled areas	n/a
<b>Line</b>	Complex, diagonal, horizontal	Diffuse edges	n/a
<b>Color</b>	Tans, grays, reds	Light and dark greens, tans, yellow	n/a
<b>Texture</b>	Medium to coarse grain	Coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearings for tower pads and access	Low geometric patches of reestablished vegetation	Bold, vertical; complex geometric/triangular
<b>Line</b>	Horizontal, diagonal	Horizontal and diagonal butt and diffuse edges created at clearings	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, reds	Tans, green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="font-size: 1.2em;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="font-size: 1.2em;">Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from Whiskey Creek Road, Colorado*

Moderate to moderate/strong contrast would result from the construction and operation of the proposed Project within a partially enclosed landscape designated as VRM Class III and viewed from a residence in Whiskey Canyon. The proposed Project crosses moderately steep terrain and would be skylined as it crosses along the top of the ridge. Disturbance associated with construction access would introduce curvilinear lines and geometric forms that would be incongruent with existing landscape patterns. Due to the scattered vegetation within the right-of-way, contrast produced by vegetation clearing in the right-of-way would be weak. The proposed structures would be seen 0.3 mile away from an inferior viewing position. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Grand Junction Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 243 Baxter Pass Road  <b>VRM Class/VQO:</b> IV	<b>Location:</b>  Township: 5S  Range: 103W  Section: 34	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, dissected, ridges and narrow valleys/drainages	Patches and stippled areas	n/a
<b>Line</b>	Complex, diagonal	Butt and diffuse edges	n/a
<b>Color</b>	Tans, grays	Light and dark greens, tans	n/a
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Diagonal, butt edge	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Grand Junction Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from Baxter Pass, Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated by the BLM as VRM Class IV viewed from Baxter Pass. The proposed Project traverses moderately steep to level terrain as it follows the drainage located below the viewpoint. Due to the superior viewer position, disturbance associated with construction road access would be visible and introduce curvilinear lines and geometric forms into the landscape. Vegetation clearing within the right-of-way would also introduce geometric forms, which would be incongruent with existing vegetation patterns. The proposed structures would be seen 1.2 miles away backdropped by the adjacent steep terrain.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Grand Junction Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 7S  Range: 104W  Section: 34	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 244 Garfield County Road 201 (south of Baxter Pass)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, dissected, ridges and narrow valleys/drainages	Patches and stippled areas	n/a
<b>Line</b>	Complex, diagonal	Butt and diffuse edges	n/a
<b>Color</b>	Tans, grays	Light and dark greens, tans	n/a
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads), stippled vegetation	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, regular, diffuse edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Light tans, browns, reds	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Grand Junction Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from Garfield County Road 201, Colorado*

Moderate/strong to strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting with a VRM Class III designation along Garfield County Road 201. The proposed Project would cross steep terrain and would require construction access roads to be built on the sides of the canyon producing large areas of earthwork. Vegetation clearing in the right-of-way would mostly be screened by adjacent vegetation but where visible, would introduce geometric forms into the landscape. The proposed structures would be located directly adjacent to the road and due to this proximity, structures may be skylined. Through the application of selective mitigation measure #7, which would relocate the project into the valley floor, contrast generated by constructing access roads on steep terrain would be reduced. To further reduce contrast on views from this road, selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 18S  Range: 26E  Section: 29	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 245 Old U.S. Highway 6 (west of Mack)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow slopes, rugged in areas	Indistinct, stippled, band along riparian corridor, geometric clearing	n/a
<b>Line</b>	Horizontal, broken diagonal	Indistinct, diffuse edges, butt edge adjacent to road	n/a
<b>Color</b>	Tans	gray-greens, tans	n/a
<b>Texture</b>	Fine to medium grain	Medium grain, uneven/random	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular in riparian corridor	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge through riparian corridor	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Evaluator(s):</b></p> <p style="margin-left: 20px;">EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west on Old U.S. Highway 6, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting with VRM Class III designation and associated with long duration views from Old US Highway 6. The project would be viewed in a backdropped condition from a level to superior position as it traverses through gently sloped terrain. Disturbance associated with construction access and tower pads would have weak contrast with landform and vegetation due to the rolling terrain and low-growing vegetation. The proposed structures and conductors would be visible at approximately 0.5 mile and would produce a moderate/strong contrast with structural elements in this natural landscape setting.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 246 Interstate 70 (east of Thompson Springs)  <b>VRM Class/VQO:</b> III	<b>Location:</b> Township: 20S  Range: 24E  Section: 21	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, level	Short, patchy	Vertical, thin
<b>Line</b>	Horizontal, continuous	Angular, broken, diffuse edges	Vertical, concave
<b>Color</b>	Tans, grays	Gray-greens, tans, browns, dull	Brown
<b>Texture</b>	Fine grain	Even, fine grain	Coarse grain, sparse density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain and density

## Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Interstate 70, Utah*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with viewers traveling along I-70. Motorists would have long duration views of the proposed Project as it parallels the interstate through flat terrain in a skylined condition. Disturbance associated with construction access and tower pads would weakly contrast with existing landform and vegetation elements of form, line, color, and texture due to the flat terrain and low-growing vegetation. The proposed structures and conductors would be visible at approximately a 0.5 mile and would have strong contrast with structure elements of form, line, color, and texture.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 7N  Range: 89W  Section: 32	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 251 U.S. Highway 40 (east of Craig)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Blocky to flat	Sparse and stippled to large clumps and low geometric patches	Low geometric/rectangular
<b>Line</b>	Curving, continuous, diagonal, horizontal	Diffuse to straight and curving butt edge	Weak horizontal and vertical
<b>Color</b>	Tans, beige, grays (railroad and road)	Variations of green, yellow, tan, reds	Grays, tan
<b>Texture</b>	Fine to medium grain	Fine to coarse, dense	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearing for tower pad	Geometric patch at clearing of reestablished low vegetation	Bold, vertical; complex geometric/triangular
<b>Line</b>	Horizontal	Horizontal	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tan	Green, tan	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Little Snake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from U.S. Highway 40, Colorado*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic/feature landscape setting associated with U.S. Highway 40 and the Yampa River Valley, east of Craig, Colorado. The proposed Project would be seen from an inferior position with the structures and conductors skylined as the proposed Project crosses over a ridge and continues down into the valley. Disturbance associated with construction access and tower pads would have weak/moderate contrast with existing landform characteristics. Contrast with existing vegetation elements of form, line, color, and texture would be weak. The proposed structures and conductors would be visible at approximately a 0.5 mile and would have strong contrast with structure elements of form, line, color, and texture as structures and conductors would be seen in a prominent, skylined position. To reduce contrast, selective mitigation measure #3 (minimize ground disturbance) would be applied to limit earthwork efforts on the ridge to the extent practicable.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 7N  Range: 97W  Section: 4	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 252 Colorado State Highway 318 (west of Maybell)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate to steep slopes	Amorphous patches and stippled areas	n/a
<b>Line</b>	Undulating horizontal	Indistinct to weak diffuse edges	n/a
<b>Color</b>	Tans, beige	Dark to light greens, tans	n/a
<b>Texture</b>	Fine to medium grain	Medium to coarse	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearings for tower pad and access	Cleared portions for tower pads and access creating geometric	Vertical; complex geometric/triangular
<b>Line</b>	Diagonal, horizontal	Horizontal and or diagonal butt edges at clearings	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans and greens of remaining vegetation after clearing for tower	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features												
		Landform/Water Body				Vegetation				Structures				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
Elements	Form													
	Line													
	Color													
	Texture													

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Evaluator(s):</b></p> <p style="margin-left: 20px;">EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



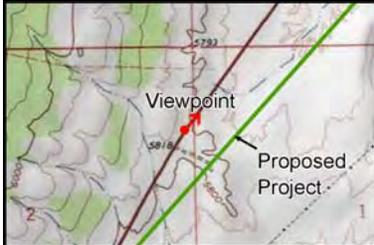
*View west from Colorado State Highway 318*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape associated with Colorado State Highway 318. The proposed Project would cross rolling terrain in partially screened and backdropped conditions from a slightly superior view. Construction access and tower pad earthwork would introduce weak contrast to landform and vegetation. The proposed structures and conductors would cross the road perpendicular approximately 0.5 mile and would introduce moderate structure contrast into the landscape for structure elements of form, line, color and texture into this natural landscape setting.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 3N  Range: 100W  Section: 2	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 254 U.S. Highway 40 (east of Dinosaur)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rolling, low relief, concave	Amorphous patches, stippled in areas, complex	Vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Undulating and layered horizontal, curving, straight	Irregular, diffuse and butt edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, grays, red-brown	Greens, yellow, tan, sage	Dull gray, transparent
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Repeating medium grain and density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Thin continuous diagonal and geometric clearings for tower pads	Thin continuous strip of low reestablished vegetation at clearing	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Diagonal	Diagonal butt edge created at clearing	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features													
		Landform/Water Body				Vegetation				Structures					
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
Elements	Form														
	Line														
	Color														
	Texture														

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from U.S. Highway 40, Colorado*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with U.S. Highway 40 east of Massadona, Colorado. The proposed Project would be seen from a level view with the top portions of structures and conductors skylined as it crosses through rolling terrain. Disturbance associated with construction access and tower pads would have weak contrast in the landform and vegetation elements of form, line, color, and texture as broken diagonal lines from the disturbance would be visible through the rolling terrain. The proposed structures and conductors would be visible at 0.3 mile, which would have a moderate/strong contrast with existing structural elements visible in this landscape including two existing transmission lines. The existing transmission lines are located approximately 1,500 feet further away from this viewpoint than the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/12/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 255 Mexican Mountain WSA  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 20S  Range: 13E  Section: 25	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, complex, rolling	Indistinct, patches, stippled	Vertical, geometric
<b>Line</b>	Horizontal, diagonal, angular, undulating	Indistinct	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Reds, browns, tans, whites	Dark greens, tans	Browns
<b>Texture</b>	Fine to medium grain, striated	Medium grain, uneven random	Repeating medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, reds, lighter colored soils	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/12/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from boundary of Mexican Mountain Wilderness Study Area, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated by the BLM as VRM Class III viewed from the Mexican Mountain Wilderness Study Area. The proposed Project traverses rolling terrain and would be backdropped by the adjacent landforms. Disturbance associated with construction access would be partially screened by terrain but where visible, would introduce a weak/moderate contrast with existing landforms due to the curvilinear forms generated by road construction. Due to the sparse, low-growing vegetation present in this landscape, there would be a weak contrast with existing vegetation patterns. The proposed structures would be seen at approximately 0.5 mile viewed beyond an existing transmission line and would introduce weak/moderate structure contrast. To reduce contrast, selective mitigation measure #3 (minimize ground disturbance) would be applied to limit the visual influence of construction access roads.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 15S  Range: 11E  Section: 2	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 256 Dinosaur Diamond SB (US 6 E of Wellington)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Terraced, rolling, level	Amorphous patches and stippled areas	Moderately tall, vertical, geometric, screened
<b>Line</b>	Bold, horizontal, diagonal	Diffuse edges	Angular, concave, horizontal
<b>Color</b>	Light tans, browns	Variety of greens, tans	Brown
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Fine grain, sparse density, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Light tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/23/2012
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



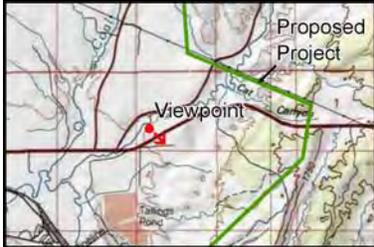
*View east from Dinosaur Diamond Scenic Byway (U.S. Highway 6), Utah*

Moderate contrast would result from the construction and operation of the proposed Project, within an enclosed landscape setting designated as VRM Class III and viewed from U.S. Highway 6. Disturbance associated with construction access would introduce a weak/moderate landscape contrast as roads would likely be constructed down the slope of the plateau. Weak contrast with existing vegetative patterns is anticipated after right-of-way vegetation clearing due to the low-growing, scattered vegetation which would be minimally modified. The proposed structures would be visible at approximately 0.5 mile and would introduce strong contrast as views of the existing 138kV are mostly screened by topography. Selective mitigation measure #9 (maximize span length) would reduce contrast in this area by limiting the number of proposed structures visible from this viewpoint and bring the proposed Project into compliance with VRM Class III.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 15S Range: 11E Section: 3	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 257 Dispersed residences east of Wellington		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Flat, horizontal MG: Simple, rolling, level	FG: Low amorphous to geometric patches	Low, geometric
<b>Line</b>	FG: Weak, horizontal MG: Simple, bold, horizontal,	FG: Regular, horizontal, straight MG: Diffuse edges	Horizontal and vertical
<b>Color</b>	FG: Browns (not visible) MG: Light tans, browns	FG: Greens to tans (seasonal) MG: Greens, tans	Tan
<b>Texture</b>	FG: Fine grain, matte MG: Fine to medium grain	FG: Fine to medium grain MG: Medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating/diminishing medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/5/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



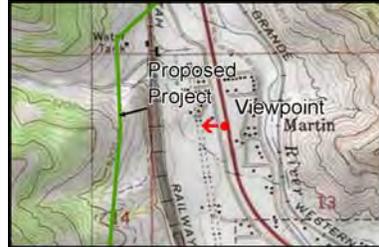
*View southeast from residences east of Wellington along U.S. Highway 6, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III and viewed from residences along U.S. Highway 6. The proposed Project crosses rolling terrain and the structures would be skylined along the distant ridge. Disturbance associated with construction access and right-of-way clearing would be screened by topography, therefore these disturbances would not be visible from the KOP. The proposed structures would be seen approximately 1.5 miles away partially skylined.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/3/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 9E  Section: 13	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 258 Martin residential		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Undulating, horizontal, bold vertical, rugged	Few, stippled, amorphous patches	Vertical, geometric
<b>Line</b>	Curving, vertical, diagonal, angular	Weak diffuse, indistinct, broken	Vertical, concave, horizontal
<b>Color</b>	Tans, browns, grays	Dark greens, tans, gray-greens	Brown, gray
<b>Texture</b>	Banded, coarse grain	Fine to medium grain, uneven/random	Medium grain, dense

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Stippled vegetation	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Diffuse edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, browns, grays	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine textured	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/3/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from residences in Martin, Utah*

Moderate contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting as viewed from residences in Martin, Utah toward land designated as VRM Class III. The proposed Project would cross moderately steep terrain and would be backdropped by adjacent terrain as viewed from an inferior position. Disturbance associated with the construction of access roads as well as clearing of vegetation within the right-of-way would introduce additional geometric forms into the landscape. The proposed structures would be seen at approximately 0.25 mile in context with an existing 138kV transmission line. The proposed structures would introduce moderate structure contrast and these structures would begin to dominate the landscape character due to the relative scale of the proposed Project. To reduce contrast associated with the construction of access roads and tower pads, selective mitigation measure #3 (minimize ground disturbance) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 7E  Section: 29	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 259 Energy Loop Scenic Byway (Utah State Route 96)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	Vertical, thin
<b>Line</b>	Curving, angular, continuous	Flowing, complex, irregular, butt edge	Vertical, angular
<b>Color</b>	Tans	Vivid, greens, tans, seasonal variation	Browns
<b>Texture</b>	Medium to coarse grain	Coarse, stippled, scattered	Fine grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Energy Loop Scenic Byway (Utah State Route 96), Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from the Energy Loop Scenic Byway. The proposed Project would cross steep terrain and would be partially backdropped by adjacent terrain. Construction access roads and right-of-way vegetation clearing would be screened by existing vegetation and topography from this KOP. The proposed structures would be located approximately 0.5 mile away with most of the structures screened by topography and vegetation, but where visible, these structures would introduce a moderate/strong structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 260 Energy Loop Scenic Byway (Utah State Route 31)  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 13S  Range: 5E  Section: 27	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	n/a
<b>Color</b>	Tans	Vivid, variety of greens, white, tans, seasonal variation	n/a
<b>Texture</b>	Medium to coarse grain	Dense, stippled	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Angular, bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Energy Loop Scenic Byway (Utah State Route 31), Utah*

Strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated by the Manti-La Sal National Forest as a partial retention VQO. The proposed Project would cross steep terrain and would be partially backdropped by the canyon walls. Construction access along the steep canyon slopes would generate a moderate/strong contrast with the existing landforms. The geometric form created by right-of-way vegetation clearing would produce a moderate/strong contrast with existing vegetation patterns. The proposed structures would be seen at approximately 0.3 mile away and introduce a strong structure contrast into the landscape. Selective mitigation measures #3 (minimize ground disturbance), #4 (minimize vegetation clearing), and #9 (maximize span length) would be applied to reduce contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 261 Fairview residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 14S  Range: 4E  Section: 2	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, undulating, rolling	Vertical, amorphous patches, stippled areas	Low, geometric
<b>Line</b>	Diagonal, curving	Flowing, complex, diffuse and butt edges	Diagonal, horizontal
<b>Color</b>	Tans, whites	Greens, tans, seasonal variation	Browns, grays
<b>Texture</b>	Medium to fine grain	Medium grain	Medium grain, dense

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Thin, vertical
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	Tans, whites	Tans, gray-green	Dull gray
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform repeating medium grain, sparse density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from 100 East adjacent to residences in Fairview, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from Fairview, Utah. The proposed Project crosses steep terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access and vegetation clearing in the right-of-way would be visible across the side of the mountain. These disturbances would introduce moderate to moderate/strong landscape contrast as a result of the geometric forms created by these activities. The proposed structures would be viewed from an inferior viewing position approximately 2 miles away which would introduce a weak/moderate structure contrast because of the distance between the proposed Project and this viewpoint. Selective mitigation measures #3 (minimize ground disturbance) and 4 (minimize vegetation clearing) would reduce landscape contrast generated by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 15S  Range: 4E  Section: 1	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 262 Dispersed residences east of Mount Pleasant		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Flat/slightly concave to gently rolling	FG: Low indistinct patches, stippled areas	Vertical, geometric
<b>Line</b>	FG: Continuous, horizontal, simple BG: Diagonal, undulating	FG: Indistinct, weak diffuse edges BG: Butt edges, complex	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	FG: Tans (not visible) BG: Tans (not visible) and grays	FG: Sage greens, tans BG: Light and dark greens, seasonal	Brown
<b>Texture</b>	FG: Fine grain BG: Moderate to coarse grain	FG: Fine to medium grain BG: Moderate to coarse grain	Fine grain, medium density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from residence east of Mount Pleasant, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from residences east of Mount Pleasant. The proposed Project crosses flat to moderately steep terrain and would be backdropped by adjacent terrain. Disturbances associated with construction access roads and tower pads would introduce geometric forms incongruent with the existing landscape character. Right-of-way vegetation clearing would create a bold, geometric form that would be similar to the cleared right-of-way for the existing 345kV transmission line. The proposed structures would be seen on the Wasatch Plateau 1.7 miles away but would be seen at approximately 0.25 mile in the adjacent valley landscape from a level to an inferior viewing position in context with an existing 345kV transmission line. Selective mitigation measures #3 (minimize cut and fill) and #4 (minimize tree clearing) would reduce contrast produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 263 Mount Pleasant residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 14S  Range: 4E  Section: 34	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level to slightly rolling, prominent Wasatch Plateau in the background	Low grassland, moderately tall trees	Rectangular, geometric
<b>Line</b>	Horizontal	Vertical, smooth	Angular, horizontal
<b>Color</b>	Tans	Greens, tans	Gray, white, red, brown
<b>Texture</b>	Smooth	Fine to medium grain	Medium to coarse grain, dense

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, rhythmic; geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from residences along 500 North in Mount Pleasant, Utah*

Weak contrast would result from the construction and operation of the proposed Project in a partially enclosed landscape setting from residences within Mount Pleasant, Utah. The proposed Project would cross relatively flat to slightly rolling terrain and where visible, would be backdropped by adjacent terrain. Disturbances associated with construction of access roads and clearing of vegetation within the right-of-way would not be visible from this KOP due to topographic and structural screening. The proposed structures would be located 1.2 miles away from this viewpoint and would be mostly screened from view. Where visible, the proposed structures would introduce a weak/moderate structure contrast into the landscape.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/12/2009
<b>BLM Field Office/National Forest:</b> Richfield Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 14S  Range: 3E  Section: 5	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 264 Big Hollow WMA Destination Route		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Domed, pyramidal, rolling	Dense vegetation transitioning to stippled areas along ridges	Vertical, rhythmic; geometric
<b>Line</b>	Diagonal, horizontal, curvilinear	Diagonal, butt to diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, light browns	Light and dark greens	Reflective, gray, dark brown
<b>Texture</b>	Fine to medium in exposed rocks	Fine to medium grain	Medium grain, medium density, matted, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Diagonal, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, light browns	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	5/12/2009
<b>BLM Field Office/National Forest:</b>	Richfield Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Big Hollow Road, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated as VRM Class III as viewed from Big Hollow Road. The proposed Project would cross moderately steep terrain and would include right-of-way clearing through pinyon-juniper vegetation which would introduce additional geometric forms similar to the existing transmission line corridor. Construction access would produce curvilinear lines consistent with the existing transmission line access roads. The proposed structures would be seen at approximately 0.75 mile and would produce a weak/moderate structure contrast due to the adjacent existing 345kV and 138kV transmission lines.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/26/2011
<b>BLM Field Office/National Forest:</b> Fillmore Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 265 Interstate 15 (Nephi)  <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 12S  Range: 1E  Section: 28	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Angular, undulating, steep	Amorphous patches, stippled areas	Tall, vertical, geometric, transparent
<b>Line</b>	Diagonal, hard, rolling	Flowing, diffuse and butt edges	Vertical, complex
<b>Color</b>	Grays, tans	Dark greens, tans, gray-green	Dull gray
<b>Texture</b>	Fine to medium grain	Medium grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/26/2011
<b>BLM Field Office/National Forest:</b>	Fillmore Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from Interstate 15 adjacent to Nephi, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from Interstate 15. The proposed Project crosses moderately steep terrain and would be skylined as it crosses the foothills. Disturbance associated with construction access would generate a weak/moderate contrast with existing landforms through the addition of geometric and curvilinear lines. The geometric form created by right-of-way vegetation clearing would produce a moderate level of landscape contrast. The proposed structures would be seen 0.3 mile away in an area with several existing transmission lines. Due to the proximity of the proposed Project to this viewpoint and the existing transmission lines, a moderate level of structure contrast was assessed. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by the proposed Project on the steep, pinyon-juniper foothills.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/26/2012
<b>BLM Field Office/National Forest:</b> Salt Lake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 266 U.S. Highway 6 (Spanish Fork Canyon)  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 9S  Range: 4E  Section: 27	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, prominent, rugged	Amorphous patches, stippled areas	Vertical, thin, triangular
<b>Line</b>	Diagonal, undulating, bold	Complex, butt and diffuse edges	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans, grays	Greens, tans, seasonal variation	Grays, browns
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	Medium grain, medium to sparse density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin, triangular
<b>Line</b>	Curvilinear, geometric	Angular, butt edge	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans, grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Medium grain, medium to sparse density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  Yes
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/26/2012
<b>BLM Field Office/National Forest:</b>	Salt Lake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast on U.S. Highway 6 in Spanish Fork Canyon, Utah*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from U.S. Highway 6. The proposed Project crosses steep terrain and would be skylined along the top of the ridge adjacent to an existing 345kV transmission line. Disturbance associated with the construction of an access road would introduce additional curvilinear lines into the existing landscape. Vegetation clearing in the right-of-way would produce additional geometric vegetation forms with angular, butt edges. The proposed structures would be seen at approximately 1.5 miles in context with an existing transmission line. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 267 Battle Flats Recreation Area (Strawberry Reservoir)  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 4S  Range: 10W  Section: 8	<b>Location Sketch</b>  
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate slope	Diverse, numerous amorphous patches	Thin, vertical
<b>Line</b>	Curving, undulating, angular	Butt and diffuse edges	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	Tans, blues, reflective	Dark greens, sage greens, tans, seasonal variety	Dull gray
<b>Texture</b>	Medium grain	Medium to coarse grain	Uniform repeating medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Thin, vertical
<b>Line</b>	Curvilinear, geometric	Bold, butt edge	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating medium grain, sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southeast from Battle Flats Recreation Area, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from the Battle Flats Recreation Area. The proposed Project crosses steep terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with construction access would introduce additional curvilinear lines and geometric forms into the landscape. Vegetation clearing within the right-of-way would produce a geometric shape and a butt edge with existing vegetation outside of the right-of-way. The proposed structures would be seen approximately 2 miles away with intermittent views of the adjacent existing 345kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 3S  Range: 9W  Section: 22	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 268 U.S. Highway 40 Pullout (west of Fruitland)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate slope	Diverse, numerous amorphous patches	Vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curving, undulating, angular	Butt and diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, reds	Dark greens, sage greens, tans, seasonal variety	Dull gray, transparent
<b>Texture</b>	Medium grain	Medium to coarse grain	Repeating coarse to medium grain and density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric tower pads and access through moderately steep slope	Geometric clearings with reestablished low vegetation	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Thin diagonal, horizontal	Diagonal and horizontal butt edges created at clearing	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from overlook along U.S. Highway 40 in Fruitland, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a partially enclosed landscape setting as viewed from the U.S. Highway 40 pullout west of Fruitland. The proposed Project crosses steep terrain and would be mostly backdropped by adjacent terrain, except for the towers located on the ridgeline. Disturbance associated with construction access would introduce curvilinear lines and geometric forms consistent with access roads for the adjacent 345kV transmission line. Vegetation clearing in the right-of-way would produce a geometric form with butt edges which would contrast with existing vegetation patterns. The proposed structures would be seen at approximately 0.5 mile from an inferior viewing position in context with an existing 345kV transmission line with similar form, line, color, and texture components.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 269 Fruitland residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 3S  Range: 9W  Section: 23	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, level to rolling	Low indistinct patches, stippled areas	Vertical, rhythmic and diminishing; geometric
<b>Line</b>	Weak, horizontal, undulating, continuous	Indistinct, weak diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans	Tans, browns, greens	Dull gray, transparent
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Repeating/diminishing coarse to medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from residences in Fruitland, Utah*

Weak contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting as viewed from residences in Fruitland. The proposed Project would traverse mostly level terrain and be viewed from a superior viewing position. As a result of this viewing position, ground disturbance associated with the construction of access roads and tower pads would be more apparent but would be consistent with existing landforms modifications; therefore, contrast with landforms was evaluated to be weak. Due to the low-growing vegetation located in the proposed right-of-way, vegetation clearing would be minimal and when revegetated, a weak contrast with existing vegetative patterns would occur. The proposed structures would be seen at approximately 0.5 mile behind an existing 345kV transmission line with similar design characteristics. Due to the dominance of the existing transmission line, structure contrast was assessed to be at a low level.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 3S  Range: 5W  Section: 28	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 270 Starvation Reservoir		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, angular	Amorphous patches, stippled areas	Vertical, geometric, cylindrical
<b>Line</b>	Horizontal, diagonal, parallel	Diffuse to bold edges from juniper stands	Vertical
<b>Color</b>	Tans, reds, blues	Light tan (grasses), dark green (juniper)	Reflective, gray, tans
<b>Texture</b>	Fine to medium texture	Medium grain, uneven/random	Uniform repeating medium grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Thin, vertical
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	Tans, reds	Sage greens, tans	Dull gray
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating medium grain, sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/29/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from Mountain View Campground in Starvation State Park, Utah*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from the Starvation State Park. The proposed Project crosses flat to gently rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with the construction of access roads as well as vegetation clearing in the right-of-way would be mostly screened. In locations where these project features would be visible, they would introduce weak horizontal lines and geometric forms. The proposed structures would be seen at approximately 2.5 miles from a level to slightly inferior viewing position in context with an existing 345kV transmission line, therefore, structure was assessed at a weak level.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 271 Bridgeland residential  <b>VRM Class/VQO:</b> n/a	<b>Location:</b>  Township: 4S  Range: 3W  Section: 4	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, indistinct	Amorphous, irregular	Vertical, geometric
<b>Line</b>	Horizontal, curving	Butt edge between riparian vegetation and agricultural fields	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays	Variety of greens (deep greens, sage greens, medium greens) and	Gray, brown
<b>Texture</b>	Fine grain	Fine to medium grain	Coarse grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  n/a
<b>Additional mitigating measures recommended?</b>  No
<b>Evaluator(s):</b>  EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from East River Road adjacent to residences in Bridgeland, UT*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting. The proposed Project crosses flat terrain and would be partially screened by vegetation. Views of disturbance associated with construction access and right-of-way vegetation clearing would be mostly screened but where visible, would introduce curvilinear lines and geometric forms into the landscape. The proposed structures would be seen at approximately 0.25 mile and in context with an existing 138kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10S  Range: 17E  Section: 29	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 272 Sand Wash North Destination Route		
<b>VRM Class/VQO:</b> IV		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat/rolling, simple	Low, amorphous patches and stippled areas	n/a
<b>Line</b>	Horizontal, undulating	Diffuse and butt edges between shrubland and grasslands	n/a
<b>Color</b>	Monotone, beige, tans	Subtle, greens/yellows	n/a
<b>Texture</b>	Fine to medium grain	Fine grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Beige, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from Sand Wash Road, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting with VRM Class IV land and associated with Sand Wash Road which provides access to North Desolation Canyon. The proposed Project would be viewed from a level position as it crosses rolling terrain in a skylined condition. Disturbance to existing landform and vegetation characteristics, associated with construction of access roads and tower pads, would not be visible from this viewpoint. The proposed structures and conductors would be seen at approximately 0.5 mile and would strongly contrast with existing structural elements of form, line, color, and texture.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 11S  Range: 15E  Section: 9	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 273 Nine Mile Canyon Scenic Backway		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, rounded	Stippled, regular	n/a
<b>Line</b>	Continuous, horizontal, angular	Diffuse edges, continuous	n/a
<b>Color</b>	Tans	Light tan (grasses), dark green (juniper)	n/a
<b>Texture</b>	Fine to medium grain	Medium grain, dense	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="margin-left: 20px;">Yes</p>
<p><b>Evaluator(s):</b></p> <p style="margin-left: 20px;">EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Nine Mile Canyon Scenic Backway, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from the Nine Mile Canyon Scenic Backway through lands designated as VRM Class III. The proposed Project would cross rolling terrain and would be skylined from an inferior viewing position. Disturbance associated with the construction access roads and right-of-way vegetation clearing would be mostly screened by topography. The proposed structures would be seen at 0.5 mile and would introduce a strong structure contrast in the landscape. To reduce contrast on views along this scenic road, selective mitigation measure #9 (maximize span length) would be applied to limit dominance of transmission structures being located adjacent to the road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 12S  Range: 10E  Section: 21	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 274 Indian Canyon Scenic Byway (U.S. Highway 191)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Vertical, prominent, v-shaped	Amorphous patches, pyramidal	Vertical, geometric
<b>Line</b>	Bold, diagonal, rugged	Irregular, broken, vertical, butt edge (existing right-of-way)	Vertical, concave/horizontal
<b>Color</b>	Grays, tans (little exposed soil)	Greens, tans, seasonal variation	Brown
<b>Texture</b>	Coarse grain	Medium grain	Ordered, fine grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal, geometric pads for towers, blocky	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Angular, bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Grays, tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine to medium grain	Fine grained	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from Indian Canyon Scenic Byway (U.S. Highway 191), Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting viewed from the Indian Canyon Scenic Byway. The proposed Project would cross steep terrain and would be predominately backdropped by the adjacent terrain from an inferior viewer position except where the distant ridge would be traversed. In this area, structures would be skylined in a manner similar to the existing 138kV transmission line. Disturbances associated with construction access roads and right-of-way vegetation clearing would introduce additional geometric forms into the landscape generating a moderate/strong level of contrast. The proposed structures would be seen approximately 0.5 mile away in context with a smaller 138kV transmission line. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied to reduce landscape contrast generated by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 17N  Range: 94W  Section: 21	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 275 Overland Historic Trail		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently rolling to flat, level	Low, amorphous patches	Cylindrical, low
<b>Line</b>	Undulating horizontal, continuous	Irregular, diffuse, indistinguishable to butt edge (at road)	Short vertical and horizontal
<b>Color</b>	Browns, tans, grays (road)	Greens, tans, yellows	Dark, dull green, tans
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric/horizontal clearings for tower pads and access	Geometric portions for tower pads and access	Bold, vertical; complex geometric/triangular
<b>Line</b>	Undulating horizontal	Creating butt edge at clearing	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns	Low growing greens, tans, yellows	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Eureka Headquarters Road (adjacent to Overland Historic Trail), Wyoming*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated with the Overland Historic Trail along Eureka Headquarters Road. The proposed Project would be seen from a level position as it crosses relatively flat terrain in a skylined condition. Disturbance associated with construction access and tower pads would have weak contrast with landform and vegetation elements of form, line, color, and texture. The proposed structures and conductors would be visible at approximately 1 mile and would introduce a moderate/strong structure contrast. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to limit dominance of transmission structures being located adjacent to the trail/road and bring the proposed Project into compliance with the definition of a VRM Class III objective.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/3/2013
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 276 Cherokee Historic Trail  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 13N  Range: 94W  Section: 31	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, rolling	Indistinct, amorphous and geometric patches, some stippled	n/a
<b>Line</b>	Undulating, layered, horizontal	Indistinct, diffuse and butt edges	n/a
<b>Color</b>	Browns, tans	Greens, yellows, sage, tan	n/a
<b>Texture</b>	Fine grain	Fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low, rolling	Geometric, horizontal cleared portions for tower pads and access	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Undulating horizontal, diagonal	Creating butt horizontal and diagonal edges at clearings	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Greens, yellows, tan from remaining/reseeded vegetation	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="font-size: 1.2em;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="font-size: 1.2em;">Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	5/3/2013
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast towards Cherokee Historic Trail through the Cherokee Basin, Wyoming*

Moderate/strong contrast would result from the construction and operation of the proposed Project in an panoramic landscape setting with VRM Class III designation and viewed from the Cherokee Historic Trail. The proposed Project would cross varying terrain in a partially screened to skylined conditions. Disturbance to landform and vegetation associated with construction access and tower pad earthwork would have moderate contrast with landform elements of form and line with weak contrast for color and texture as thin contrasting diagonal lines would be introduced. The Project structures and conductors would be visible at 1 mile above the horizon and introduce strong contrast for structure elements of form and line with moderate contrast for color and texture. To reduce contrast, selective mitigation measure #3 (minimize ground disturbance) would be applied to minimizing slope cut and fill in the rolling terrain seen from this KOP; however, moderate/strong structure contrast would remain because of the skylined structures and conductors.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S  Range: 20E  Section: 26	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 279 Old Spanish National Historic Trail (near Thompson Springs)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, prominent Book Cliffs in background	Short, patchy	Vertical, regular
<b>Line</b>	Horizontal	Angular, broken, diffuse edges	Vertical, horizontal
<b>Color</b>	Tans, grays	Gray-greens, tans, browns, dull	Grays
<b>Texture</b>	Fine grain	Even, fine grain	Fine textured, medium density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View north from two-track road east of Thompson Springs at crossing of Old Spanish Trail, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from the Old Spanish National Historic Trail toward lands designated as VRM Class III. The proposed Project would cross level to rolling terrain and would be mostly backdropped by the Book Cliffs. Disturbance associated with the construction of access roads and right-of-way vegetation clearing would be intermittently screened by the raised railroad bed. Where visible, these disturbances would generate a weak landscape contrast. The proposed structures would be seen at approximately 0.7 mile from a level viewing position. The raised railroad bed and associated telegraph poles have introduced structural elements into the landscape, therefore the proposed Project would produce a moderate/strong structure contrast from this viewpoint.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 281 Rawlins to Baggs Historic Trail  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 21N  Range: 88W  Section: 34	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, level to diagonal and pyramidal, concave sloping	Low, amorphous patches	n/a
<b>Line</b>	Horizontal, diagonal	Irregular, diffuse and indistinguishable to butt edge (at	n/a
<b>Color</b>	Browns, tans, light gray (road)	Greens, tans, yellows	n/a
<b>Texture</b>	Fine grain	Fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Geometric clearing cut into slope for tower pad(s) and access	Cleared geometric portions for tower pads and access	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Horizontal, diagonal	Creating butt edge with clearing	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Contrasting tans from soil disturbance/exposure for clearings	Remaining or reestablished low vegetation, greens, tans, yellows	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Twenty Mile Road, Wyoming*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a focal/panoramic landscape setting associated with views from Twenty Mile Road and the Rawlins to Baggs Historic Trail. The proposed Project would be seen from an inferior to level viewing position as it crosses through varying sloped terrain in a skylined condition. Disturbance associated with construction access and tower pads would have weak/moderate contrast with existing landform and vegetation elements. The structures and conductors would be seen at approximately 0.5 mile and would have strong contrast with structure elements of form, line, color, and texture as portions of structures and conductors would be skylined above horizon in this natural landscape setting. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #9 (maximize span length) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 282 I-70 Thompson Welcome Center (Dinosaur Diamond SB)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 21S  Range: 20E  Section: 26	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Moderate slopes, plateaus, level Book Cliffs prominent in background	Indistinct, patches, stippled	n/a
<b>Line</b>	Horizontal, broken diagonal	Indistinct, irregular	n/a
<b>Color</b>	Tans, browns	gray-greens	n/a
<b>Texture</b>	Fine to medium grain	Medium grain, sparse/even	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from Thompson Welcome Center, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting viewed from the Thompson Welcome Center toward land designated as VRM Class III. The proposed Project would cross rolling terrain and would be backdropped by adjacent terrain from a level to slightly inferior viewing position. Disturbance associated with construction access roads and clearing of vegetation within the right-of-way would mostly be screened by the rolling terrain but where visible, would introduce geometric shapes and curvilinear lines. The proposed structures would be seen at approximately 1.1 miles and would be partially screened by topography.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 5E  Section: 26	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 283 Energy Loop Scenic Byway (Utah State Route 31)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, rolling	Vertical, complex, amorphous	n/a
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	n/a
<b>Color</b>	Tans, grays	Vivid, greens, tans, whites seasonal color	n/a
<b>Texture</b>	Smooth	Dense, medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Energy Loop Scenic Byway (Utah State Route 31), Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting as viewed from the Energy Loop Scenic Byway. The proposed Project would cross rolling terrain and views would be mostly screened by vegetation. Construction access roads and right-of-way vegetation clearing would not be visible from this KOP due to vegetative screening. The proposed structures would be seen from approximately 0.5 mile away and where visible, the structures would be skylined. Selective mitigation measure #9 (maximize span length) would reduce contrast generated by the skylined structures by placing the structures further from the road which would increase the level of screening by the adjacent aspen groves.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/26/2012
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 6E  Section: 30	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 284 Energy Loop Scenic Byway (Utah State Route 264)		
<b>VRM Class/VQO:</b> Partial Retention		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Domed, diagonal, rounded	Vertical, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous	Flowing, complex, irregular, butt edge	n/a
<b>Color</b>	Tans	Tans, greens, seasonal color	n/a
<b>Texture</b>	Medium grain	Medium grain, stippled, scattered	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Bold, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/26/2012
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from Energy Loop Scenic Byway (Utah State Route 264), Utah*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape designated by the Manti-La Sal National Forest as a partial retention VQO as viewed from the Energy Loop Scenic Byway. The proposed Project would cross rolling terrain and would be viewed from a slightly inferior position from this KOP. Ground disturbance associated with construction access would be visible and would introduce a moderate contrast with existing landforms. Right-of-way vegetation clearing would produce geometric forms into a landscape characterized by amorphous patches of aspen groves, therefore, the proposed Project would moderately contrast with existing vegetation patterns. The proposed structures would be seen at approximately 0.5 mile and would be partially backdropped by adjacent terrain. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce contrast on views from this scenic road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 4S  Range: 10W  Section: 20	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 285 Aspen Grove Campground		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate slope	Diverse, numerous amorphous dense patches	Low, rectangular
<b>Line</b>	Curving, undulating, angular	Butt and diffuse edges	Horizontal and vertical
<b>Color</b>	Tans, limited exposed soil	Dark greens, sage greens, tans, seasonal variety	Greens and browns
<b>Texture</b>	Medium grain	Medium to coarse grain	Medium grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Tall, vertical, geometric, transparent
<b>Line</b>	Geometric, curvilinear	Bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, additional exposed soil	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Uinta National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Aspen Grove Campground (Strawberry Reservoir), Utah*

Strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting from the Aspen Grove Campground. The proposed Project would cross steep terrain and due to the tall vegetation in the right-of-way, vegetation would be removed across the entire 250-foot wide right-of-way introducing a geometric form which is incongruent with existing vegetation patterns. The construction of construction access roads would produce curvilinear lines and geometric forms which would contrast with the existing landforms. The proposed structures would be seen at approximately 0.75 mile and would introduce strong contrast into the landscape since the existing 345kV transmission line is not visible from this campground. Selective mitigation measures #2 (limit construction of new access), #3 (minimize cut and fill) and #4 (minimize tree clearing) would be applied to reduce contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/24/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 286 Adobe Town WSA Destination Route (BLM Road 4411 )  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 16N  Range: 95W  Section: 22	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling	Indistinct, with areas of stippling and clumping	Cylindrical
<b>Line</b>	Gently curving, horizontal	Indistinct, weak diffuse edges, weak butt edge (at road)	Weak vertical and horizontal silhouette
<b>Color</b>	Browns, tans	Greens, tans, yellow, grays	Tan
<b>Texture</b>	Fine to medium grain	Fine to medium grain	Fine grain, sparse, random

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin vertical
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating fine grain, sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/24/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from BLM Road 4411 (access to Adobe Town), Wyoming*

Weak contrast would result from the construction and operation of the proposed Project in this panoramic landscape setting with VRM Class III designation as viewed from access to the Adobe Town Wilderness Study Area. The Project would be intermittently to fully screened by topography with few visible cultural modifications from oil and gas development. In locations where the proposed Project may be visible, only the top of the transmission structures would be seen approximately 6.5 miles away which would introduce a weak structure contrast.

This KOP location was chosen to represent the Adobe Town area because it is located in an area where transmission structures could be viewed in a skylined condition from a key access route for Adobe Town. Other areas where the Project could be viewed from within the Adobe Town Wilderness Study Area would likely occur where the Project would be viewed in a backdropped condition and therefore, would be visually absorbed into the landscape with less potential contrast associated with the Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 287 Moffat County Road 10 (views to Cross Mountain)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 7N  Range: 97W  Section: 23	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, level, rugged blocky	Indistinct, stippled	n/a
<b>Line</b>	Straight and undulating horizontal, diagonal	Diffuse and indistinguishable with butt edges (at roads)	n/a
<b>Color</b>	Browns, tans, grays	Greens, tans, yellow	n/a
<b>Texture</b>	Fine to coarse grain	Fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View west toward Cross Mountain from Moffat County Road 10, Colorado*

Moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation associated with recreation access to the Cross Mountain Wilderness Study Area. Views toward Cross Mountain, distant landscape in the photo, are especially important from this key observation point. The proposed Project would be viewed from a slightly inferior viewing position as it crosses flat to rolling terrain with partial backdropping. Disturbance associated with construction access as well as vegetation clearing in the right-of-way would be mostly screened from view but where visible, would introduce curvilinear lines and geometric forms. The proposed structures would be seen approximately 0.75 mile away with partial backdropping of the structures south of the road (Cross Mountain) while structures to the north of the road would be skylined. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to limit dominance of transmission structures being located adjacent to the road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 288 Colorado State Highway 13 (views to Bakers Peak)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 12N  Range: 91W  Section: 8	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low, rolling, blocky	Indistinct, clumping with areas of stippling	Thin vertical, geometric, rectangular (buildings)
<b>Line</b>	Gently curving, straight and undulating horizontal	Indistinct, weak diffuse edges and butt edges (at roads, fence lines)	Vertical, diagonal, horizontal
<b>Color</b>	Browns, tans	Greens, tans, yellow	Subtle grays, browns, whites
<b>Texture</b>	Fine grain	Fine to medium grain	Fine grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Minimal disturbance for geometric tower pads and access through flat	Cleared geometric patches of low reestablished vegetation at tower	Vertical, thin, triangular
<b>Line</b>	Diagonal	Diagonal	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans	Tans, greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform medium grain, medium to sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/28/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View south from Wyoming-Colorado Border on Colorado State Highway 13*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape designated by the BLM as VRM Class III as viewed from the Wyoming/Colorado border on Colorado State Highway 13. The proposed Project would cross flat to slightly rolling terrain and would be viewed from a superior position with the proposed Project in a backdropped condition. Disturbance associated with construction access to landform and vegetation would be visible and introduce weak contrast to landform and vegetation elements of form, line, color, and texture as similar conditions currently exist from this view. The proposed structures would be seen at approximately 2 miles and would introduce moderate contrast to structure elements of form and line with weak contrast to color and texture in a largely intact landscape with some modifications from oil/gas development and rangeland improvements.

Where the project would be viewed from Colorado State Highway 13 in close proximity and in a parallel condition to the highway, contrast would increase. The stronger contrast combined with the long duration views while traveling parallel to the Project would not be compliant with visual resource management objectives.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 289 Godiva Rim  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 8N  Range: 97W  Section: 20	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate slopes	Amorphous patches and clumped groupings	n/a
<b>Line</b>	Diagonal, curving	Bold butt and indistinct to weak diffuse edges	n/a
<b>Color</b>	Tans, beige	Greens, tans, grays, yellow, tan	n/a
<b>Texture</b>	Fine to medium grain	Medium to coarse	n/a

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Thin continuous diagonal and geometric clearings for tower pads	Thin continuous diagonal patch(es) of low reestablished vegetation at	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Diagonal	Diagonal thin butt edge at clearing for access and tower pads	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain, medium density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View east from Godiva Rim Road, Colorado*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a feature landscape setting associated with the Godiva Rim. The proposed Project would be visible from a level position as it crosses sloped terrain. Disturbance associated with construction access and tower pads would have weak contrast with landform and vegetation elements of form, line, color, and texture. The proposed structures and conductors would be visible at approximately 0.7 mile and have strong contrast with structure elements of form and line with moderate contrast with color, and texture as structures would be seen above the horizon in this natural landscape setting. Selective mitigation measure #3 (minimize ground disturbance) would reduce contrast on views resulting from the construction of access roads; however, moderate/strong structure contrast would remain because of the skylined structures and conductors.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 10N  Range: 97W  Section: 11	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 290 Moffat County Road 75 (recreation access)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Low, rugged, blocky, braided BG: Indistinct, low, rolling	FG: Indistinct, amorphous with areas of stippling	n/a
<b>Line</b>	FG: Irregular, angular, banding, curving	FG: Indistinct, diffuse BG: Curvilinear, weak diffuse edges	n/a
<b>Color</b>	FG: Browns, tans, reflective BG: Browns, tans	FG: Sage greens, tans BG: Dark greens, sage greens, tans	n/a
<b>Texture</b>	FG: Smooth, medium to coarse grain BG: Fine grain	FG: Medium grain BG: Fine to medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Thin, vertical
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating fine grain, sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Additional mitigating measures recommended?</b></p> <p style="margin-left: 20px;">No</p>
<p><b>Evaluator(s):</b></p> <p style="margin-left: 20px;">EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northeast from Moffat County Road 75, Colorado*

Due to the relocation of the Project off of Sevenmile Ridge, views toward the Project are mostly screened by topography along the Sevenmile Destination Route (proposed backcountry byway). As such, this key observation point was selected to display the potential contrast introduced by the Project at an overlook along this destination route with views of the Little Snake River. A weak contrast would result from the construction and operation of the proposed Project within a focal, panoramic landscape with VRM Class III designation and associated with Moffat County Road 75. The proposed Project would be seen from a superior viewing position as it crosses through a level area adjacent to the Little Snake River in the background beyond the two adjacent ridge landscapes. Disturbance associated with construction access and tower pads would introduce weak contrast into the landscape, where visible, through the geometric forms of these activities. The proposed structures and conductors would be visible 5 miles away and introduce a weak contrast since they would be backdropped by adjacent landscapes. The alternative route variation would introduce a lower level of contrast since the proposed Project would be located approximately 6 miles away from this viewpoint.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 291 Yampa River State Park  <b>VRM Class/VQO:</b> n/a	<b>Location:</b> Township: 6N  Range: 88W  Section: 7	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat to gently rolling	Amorphous and geometric patches, Clumped vertical/tall	Thin vertical, geometric/rectangular
<b>Line</b>	Horizontal, diagonal	Butt edges	Vertical, broken horizontal
<b>Color</b>	Light browns	Greens, yellow, tans, browns	Grays, brown
<b>Texture</b>	Fine grain	Fine to coarse grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	n/a
<b>Line</b>	n/a	n/a	n/a
<b>Color</b>	n/a	n/a	n/a
<b>Texture</b>	n/a	n/a	n/a

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View west from Yampa River State Park, Colorado*

Due to the distant view, over 5 miles from the proposed Project as well as vegetation and topographic screening, views from this portion of the Yampa River State Park would have no perceivable contrast from the construction and operation of the proposed Project.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/7/2011
<b>BLM Field Office/National Forest:</b> Rawlins Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 295 Fort Steele Historic Site  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 21N  Range: 85W  Section: 23	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Low blocky to flat	Band/strip, amorphous and geometric patches	Thin vertical and horizontal, geometric/rectangular
<b>Line</b>	Undulating horizontal, diagonal	Diffuse and butt edges	Vertical, horizontal, diagonal
<b>Color</b>	Browns, tans	Dull and dark greens, yellows	Browns, subtle grays, greens, whites, reds
<b>Texture</b>	Fine to medium grain	Fine to coarse grain	Coarse grain, medium density groupings

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating medium grain, sparse density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/7/2011
<b>BLM Field Office/National Forest:</b>	Rawlins Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



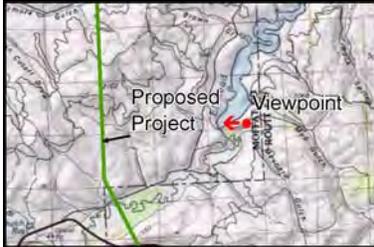
*View south from Fort Steele Cemetery, Wyoming*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with a VRM Class IV designation as viewed from the Fort Steele State Historic Site. The proposed Project would cross low rolling terrain in an intermittently screened condition with portions of the proposed Project occurring in both backdropped and skylined conditions. Construction access and tower pad disturbance in the landform and vegetation components of contrast would not be visible from this KOP. The proposed structures would be seen approximately 2.5 miles away beyond an existing 230kV transmission line and interstate highway. Due to the distance of these views to the proposed Project and the existing cultural modifications, the structures would introduce weak structure contrast.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 7N  Range: 89W  Section: 16	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 297 Elkhead Reservoir Campground		
<b>VRM Class/VQO:</b> n/a		

## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Gently sloping, rolling, Flat	Low, amorphous patches, stippled in areas	Bold geometric
<b>Line</b>	Gently curving, undulating and straight horizontal	Diffuse ad butt edges	Straight, angular, vertical diagonal
<b>Color</b>	Browns, grays, bluish-gray, reflective	Variations of greens, yellow, tan, browns	Browns, tans, black
<b>Texture</b>	Fine grain, smooth	Fine to medium grain	Coarse grain, medium density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating medium grain, sparse density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> No
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/29/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View west from Elkhead Reservoir Campground, Colorado*

Weak contrast would occur from the construction and operation of the proposed Project within a panoramic landscape setting associated with recreational users at Elkhead Reservoir. The proposed Project would be intermittent to entirely screened by topography including construction access roads and any vegetation clearing within the right-of-way. In locations where the transmission structures may be seen, only the top portions of the structures would be visible from approximately 2.5 miles away which would introduce a weak structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 97W  Section: 8	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 299 Yampa River Access for Cross Mountain		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Indistinct, low rolling, blocky	Indistinct, amorphous and geometric patches, areas of stippling	n/a
<b>Line</b>	Gently curving, sloping horizontal, layered horizontal	Butt edge (at road) to weak diffuse edges	n/a
<b>Color</b>	Browns, tans, reds	Greens, tans, yellow	n/a
<b>Texture</b>	Fine to medium grain	Fine grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Thin, vertical
<b>Line</b>	n/a	n/a	Thin, vertical; thin/weak concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray
<b>Texture</b>	n/a	n/a	Uniform repeating medium grain, sparse density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2011
<b>BLM Field Office/National Forest:</b>	Little Snake Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northeast from the East Cross Mountain/Yampa River access road, Colorado*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape with VRM Class III designation and associated with access to the Yampa River and Cross Mountain Gorge. The proposed Project would be viewed from a level position as it traverses through rolling terrain in a partially backdropped condition. Disturbance associated with construction access and tower pads as well as right-of-way vegetation clearing would not be visible from this viewpoint. The proposed structures and conductors would be seen along the horizon at 2.5 miles away and due to the distance from this viewpoint, would produce a weak structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 23S  Range: 20E  Section: 14	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 301 Arches National Park (Salt Valley Road)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Flat, smooth BG: Bold and rectangular	FG: Short and uniform BG: Scattered and diffuse	n/a
<b>Line</b>	FG: Horizontal BG: Horizontal banding, angular	FG: Indistinct, weak BG: Angular, broken, diffuse edges	n/a
<b>Color</b>	FG: Reds BG: Reds, tans	FG: Tans grasses, green shrubs Gray-greens, dull	n/a
<b>Texture</b>	FG: Smooth BG: Moderate to rough textures	FG: Even, medium grain BG: Rough textured scattered	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	n/a
<b>Line</b>	n/a	n/a	n/a
<b>Color</b>	n/a	n/a	n/a
<b>Texture</b>	n/a	n/a	n/a

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View northwest from Salt Valley Road (access to Arches National Park), Utah*

Due to the distant view, over 13 miles from the proposed Project and topographic screening, views from the Salt Valley portion of Arches National Park would have no perceivable contrast produced by the construction and operation of the proposed project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/14/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 6N  Range: 95W  Section: 12	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 302 Yampa River (Juniper Canyon)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold meandering band, rugged/blocky, V-shaped	Amorphous patch, strips, stippled	vertical; complex geometric/triangular
<b>Line</b>	Curving, angular, jagged, diagonal, horizontal	Weak, indistinct	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, browns, blue, reflective	Greens, yellow, tan	Gray, transparent
<b>Texture</b>	Medium to coarse grain to smooth	Medium grain	Medium to coarse grain, medium density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, browns	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/14/2011
<b>BLM Field Office/National Forest:</b> Little Snake Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



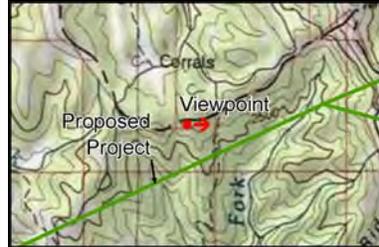
*View northwest from Juniper Canyon, Colorado*

Moderate contrast would result from the construction and operation of the proposed Project within a feature landscape setting with VRM Class III designation and associated with the Yampa River. The proposed Project would be viewed from a level position as it traverses rolling terrain in a skylined condition similar to the adjacent transmission lines. Disturbance associated with construction access and tower pads as well as right-of-way vegetation clearing would be mostly screened from this viewpoint but where visible, would introduce weak geometric forms. Moderate/strong structure contrast would occur where the structures would be skylined at the crossing of the river. Existing transmission lines of similar size and scale would be seen behind the proposed Project. To reduce contrast, selective mitigation measure #9 (maximize span length) would be applied to reduce the visual dominance of the proposed structures as viewed from the river and therefore, bring the proposed Project into compliance with a VRM Class III objective.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/30/2011
<b>BLM Field Office/National Forest:</b> Uinta National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 304 Sheep Creek Road (FR 042)  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 9S  Range: 6E  Section: 15	<b>Location Sketch</b>  
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, prominent, rugged	Geometric and amorphous patches, stippled in areas	Vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Diagonal, undulating, bold	Irregular and regular butt edges, diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Subtle, tans, grays	Dark green, grays (trees), light green and tans (grasses)	Gray, transparent
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	Repeating coarse to medium grain and density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/30/2011
<b>BLM Field Office/National Forest:</b>	Uinta National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View east from Sheep Creek Road in the Uinta National Forest, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated by the Uinta-Wasatch-Cache National Forest as a partial retention VQO as viewed from Sheep Creek Road. The proposed Project crosses steep terrain and would be backdropped by terrain except for the structures located along the top of the ridge. Disturbance associated with construction access would introduce curvilinear lines and geometric forms that would contrast with existing landform patterns. Vegetation clearing in the right-of-way would produce additional geometric forms consistent with the adjacent transmission line corridor. The proposed structures would be seen at approximately 0.5 mile in context with an existing 345kV transmission line. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S  Range: 10E  Section: 22	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 305 Wedge Overlook Scenic Backway		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, Cedar Mountain prominent in background	Short, patchy	Thin, vertical
<b>Line</b>	Horizontal	Angular, broken, diffuse edges	Vertical
<b>Color</b>	Tans, beiges	Gray-greens, dull	Brown
<b>Texture</b>	Fine grain	Even, medium grain	Uniform repeating fine grain, medium to sparse density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin/weak concave (conductors)
<b>Color</b>	Tans, beiges	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating, medium grain, medium to sparse density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Wedge Overlook Scenic Backway, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape designated as VRM Class III as viewed from the Wedge Overlook Scenic Backway. The proposed Project crosses flat terrain and would be mostly backdropped by the adjacent terrain. Disturbance associated with construction access would introduce a horizontal line and geometric forms into the landscape. Vegetation clearing would be limited to tower pads and access roads, which would introduce additional geometric forms contrasting with existing vegetation patterns. The proposed structures would be seen approximately 2 miles away adjacent to an existing 345kV transmission line, therefore, a weak/moderate structure contrast would be produced by the proposed Project.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S Range: 23E Section: 32	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 306 Upper Colorado River Scenic Byway		
<b>VRM Class/VQO:</b> II		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, Book Cliffs prominent in background	Short, patchy	n/a
<b>Line</b>	Horizontal, elevated railroad line	Angular, broken, diffuse edges	n/a
<b>Color</b>	Tans, beiges, grays	Tans, gray-greens, dull	n/a
<b>Texture</b>	Fine grain	Even, medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/23/2012
<b>BLM Field Office/National Forest:</b>	Moab Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from Upper Colorado River Scenic Byway west of Cisco, Utah*

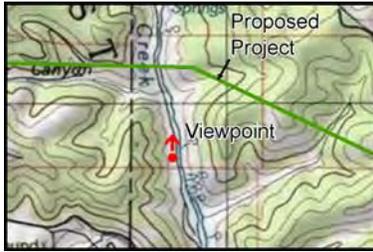
Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class II and viewed from the intersection of the Upper Colorado River Scenic Byway and Interstate 70. The proposed Project traverses level terrain and would be backdropped by the distant Book Cliffs landscape. Disturbance associated with construction access and vegetation clearing in the right-of-way would be mostly screened by the elevated railroad line but where visible, would introduce weak geometric forms into the landscape. The proposed structures would be seen at 0.6 mile from a level viewing position in context with an interstate highway and railroad line which have modified the local landscape character.

Note: The Moab Field Office manages VRM Class II areas within designated utility corridors as VRM Class III for utility projects as stated in their 2008 RMP.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2012
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 13S  Range: 6E  Section: 27	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 307 Energy Loop Scenic Byway		
<b>VRM Class/VQO:</b> Partial Retention		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous, angular	Flowing, complex, irregular, butt edge in background (right-of-way)	n/a
<b>Color</b>	Tans	Vivid, tans, greens, gray-green	n/a
<b>Texture</b>	Medium grain	Coarse, stippled, scattered	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, horizontal	Horizontal, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/27/2012
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Energy Loop Scenic Byway (Utah State Route 264), Utah*

Strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated by the Manti-La Sal National Forest as a partial retention VQO. The proposed Project crosses steep terrain and would be skylined along the top of adjacent ridgelines. Disturbance associated with the construction of access and tower pads would introduce curvilinear lines and geometric forms into the landscape. Vegetation clearing in the right-of-way would produce a geometric form with a butt edge against existing vegetation. The proposed structures would be seen at approximately 0.5 mile and would dominate views from the Energy Loop Scenic Byway. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast generated by the proposed Project. By maximizing the span length between towers across this scenic road (selective mitigation measure #9), structure contrast would be reduced by limiting the visual dominance of transmission structures being located adjacent to the road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 308 Millers Flat Road  <b>VRM Class/VQO:</b> Modification	<b>Location:</b>  Township: 16S  Range: 6E  Section: 16	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, diagonal, bold	Vertical, complex, pyramidal, amorphous	Vertical, geometric, transparent
<b>Line</b>	Curving, continuous	Butt edge, flowing, complex, irregular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays	Vivid, greens, tans, seasonal variation	Brown, gray, transparent
<b>Texture</b>	Medium grain	Medium to coarse grain, dense	Uniform medium grain, medium density,

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, thin; geometric, triangular
<b>Line</b>	Curvilinear, geometric	Horizontal, bold, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans, grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b>  Yes
<b>Additional mitigating measures recommended?</b>  Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 9/27/2011
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View north from Millers Flat Road, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a partially enclosed landscape setting designated by the Manti-La Sal National Forest as a modification VQO viewed from Miller Flat Road. The proposed Project crosses moderately steep terrain and would be partially skylined across the hill north of the viewpoint. Disturbance associated with construction access would introduce geometric forms and curvilinear lines not visible in the existing transmission line corridor. Right-of-way vegetation clearing associated with the proposed Project would be approximately twice as wide as the existing transmission line right-of-way. Due to this additional width, a more defined geometric form would be produced by the proposed Project. The proposed structures would be seen 0.8 mile away from an inferior viewing position in context with an existing 345kV transmission line. Application of selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce landscape contrast produced by access road construction and right-of-way vegetation clearing.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/26/2012
<b>BLM Field Office/National Forest:</b> Manti-La Sal National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 309 Bear Creek Campground  <b>VRM Class/VQO:</b> Partial Retention	<b>Location:</b>  Township: 16S  Range: 7E  Section: 35	<b>Location Sketch</b>  
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, dissected, ridges	Amorphous, stippled areas	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Complex, diagonal, horizontal banding	Butt and diffuse edges	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, grays	Light and dark greens, tans	Brown, reflective gray
<b>Texture</b>	Medium to coarse grain	Medium to coarse grain	Repeating fine to medium grain, medium density

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Diagonal, butt edge	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans, grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating fine grain, sparse density

## Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/26/2012
<b>BLM Field Office/National Forest:</b>	Manti-La Sal National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from the Bear Creek Campground, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a partially enclosed landscape setting designated by the Manti-La Sal National Forest as a partial retention VQO viewed from the Bear Creek Campground. The proposed Project crosses steep terrain and would be skylined on the distant ridgeline. Disturbance associated with construction access would produce geometric forms and curvilinear lines that would contrast with the existing landscape character. Vegetation clearing in the right-of-way would develop geometric forms that would be incongruent with the existing vegetative patterns. The proposed structures would be seen at approximately 2 miles from an inferior viewing position in context with existing transmission lines (which are screened from this viewing position but are visible at various locations within the campground).

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> White River Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 1S	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 310 Crooks Brand Rock Art Site	Range: 102W	
<b>VRM Class/VQO:</b> IV	Section: 8	

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Horizontal, rounded	Amorphous patches	Cylindrical
<b>Line</b>	Continuous, horizontal	Diffuse to butt edges from juniper stands	Vertical
<b>Color</b>	Browns, tans	Light tan (grasses), dark green (juniper)	Tans
<b>Texture</b>	Fine to medium grain	Fine to patchy, coarse	Fine grain

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Butt edge, broken, regular	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	5/2/2013
<b>BLM Field Office/National Forest:</b>	White River Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Crooks Band Rock Art Site*

Moderate to moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class IV as viewed from the Crook's Brand Rock Art Site. The proposed Project crosses gently rolling terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with construction access would introduce curvilinear forms consistent with the existing landscape character. Vegetation clearing in the right-of-way would produce geometric forms with butt edges through existing amorphous patches of pinyon-juniper. The proposed structures would be seen at approximately 0.4 mile from a level viewing position.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/11/2011
<b>BLM Field Office/National Forest:</b> Grand Junction Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 312 Rabbit Valley Dispersed Campsite  <b>VRM Class/VQO:</b> IV	<b>Location:</b>  Township: 10S  Range: 104W  Section: 17	<b>Location Sketch</b>  
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow slopes, undulating	Indistinct, patches, stippled	n/a
<b>Line</b>	Horizontal, broken diagonal	Indistinct	n/a
<b>Color</b>	Tans	Tans, gray greens, dark greens	n/a
<b>Texture</b>	Fine to medium grain	Medium grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/11/2011
<b>BLM Field Office/National Forest:</b>	Grand Junction Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from a dispersed campsite in Rabbit Valley (McInnis Canyons NCA), Colorado*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class IV as viewed from a dispersed recreation site adjacent to Rabbit Valley in the McInnis Canyons National Conservation Area. The proposed Project crosses rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access would introduce geometric forms and curvilinear lines into the landscape. Due to the low-growing existing vegetation, clearing would be limited to geometric forms as a result of the construction of access roads and tower pads. The proposed structures would be seen 1.4 miles away from a slightly superior viewing position and would produce a moderate level of structure contrast.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S  Range: 17E  Section: 28	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 313 Interstate 70 crossing		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rolling, horizontal, plateaus	Few, stippled	n/a
<b>Line</b>	Horizontal, curving, diagonal, angular	Weak diffuse, indistinct	n/a
<b>Color</b>	Tans, grays, reds	Tans, greens	n/a
<b>Texture</b>	Medium to course grain	Fine grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; weak concave (conductors)
<b>Color</b>	Tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating medium grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southeast from Interstate 70 east of Green River, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III viewed from Interstate 70. The proposed Project crosses flat to gently rolling terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with construction access would weakly introduce curvilinear lines and geometric forms into the landscape. Due to the presence of low-growing vegetation within the right-of-way, vegetation clearing would be mostly limited to tower pads and access roads where geometric forms would produce a weak landscape contrast. The proposed structures would be seen at approximately 1.5 miles from a slightly superior viewer position.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2012
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 314 Little Grand Canyon Overlook  <b>VRM Class/VQO:</b> III	<b>Location:</b> Township: 20S  Range: 10E  Section: 12	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, Cedar Mountain prominent in background	Short, patchy, stippled	Thin, vertical
<b>Line</b>	Horizontal, angular	Angular, broken, diffuse edges	Thin Vertical
<b>Color</b>	Tans, reds, beiges	Dark greens, gray-greens	Brown
<b>Texture</b>	Fine grain	Even, medium grain	Fine grain, medium density, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Thin, vertical
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Thin vertical
<b>Color</b>	Tans, beiges	Sage greens, tans	Dull gray
<b>Texture</b>	Fine grain	Fine grain	Uniform repeating medium to fine grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2012
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Little Grand Canyon Overlook, Utah*

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III viewed from the Little Grand Canyon Overlook. The proposed Project crosses flat to gently rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access and vegetation clearing within the right-of-way, if perceivable, would weakly introduce curvilinear lines and geometric forms consistent with those associated with the existing transmission line. The proposed structures would be seen over 5 miles away from a level viewing position in context with an existing 345kV transmission line. Due to the distance from the viewpoint to the proposed Project, structure contrast was assessed to be weak.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Ashley National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 315 Sowers Canyon Road  <b>VRM Class/VQO:</b> Modification	<b>Location:</b>  Township: 6S  Range: 5W  Section: 8	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	V-shaped, bold, steep, level valley	Numerous, irregular	Vertical, geometric
<b>Line</b>	Diagonal, angular, jagged, horizontal	Butt and diffuse edges	Vertical, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges	Variety of greens, tans, little seasonal variation	Brown
<b>Texture</b>	Medium, granular, fine grain in valley	Random, scattered, fine to medium grain	Repeating medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges	Tans, gray-greens	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 5/2/2013
<b>BLM Field Office/National Forest:</b> Ashley National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



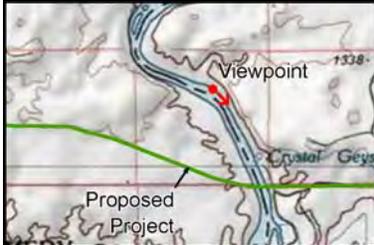
*View southwest from Sowers Canyon Road, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated by the Ashley National Forest as a modification VQO viewed from Sowers Canyon Road. The proposed Project crosses flat terrain along the bottom of the canyon and would be backdropped by the canyon walls. Disturbance associated with construction access would introduce geometric and curvilinear elements into the landscape which would weakly contrast with existing features. Due to the low-growing vegetation, right-of-way vegetation clearing would be mostly limited to construction access roads and tower pads which would produce weak geometric forms. The proposed structures would be located directly adjacent to this viewpoint and due to this proximity, would be skylined from a level viewing position.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/24/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 21S  Range: 16E  Section: 34	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 319 Green River		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Curving band(river), rolling to level	Continuous strip of riparian vegetation, small stippled beyond	Vertical, geometric
<b>Line</b>	Complex, diagonal, horizontal	Undulating, weak, diffuse edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, reds, reflective	Variety of greens, browns	Brown
<b>Texture</b>	Rippled to smooth, glossy (river), rough, striated	Fine to medium grain (river corridor), sparse, medium grain	Medium grain, sparse, uniform, ordered

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans, reds	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b> 7/24/2012
<b>BLM Field Office/National Forest:</b> Moab Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project



*View southeast from the Green River north of Crystal Geysers, Utah*

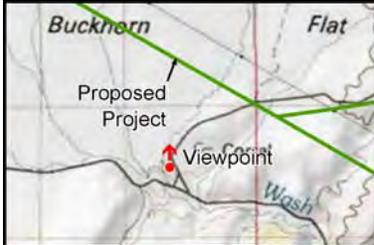
Moderate contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting with views toward VRM Class III lands from the Green River. The proposed Project would traverse rolling terrain and would be partially skylined on the west side of the river and mostly screened on the east side. Disturbance associated with construction access and vegetation clearing in the right-of-way would be mostly screened by topography. In locations where these disturbances would be visible, they would introduce weak geometric forms and curvilinear lines into a landscape characterized by rolling terrain and low-growing vegetation. The proposed structures would be seen at approximately 0.75 mile from an inferior viewing position in context with an existing 345kV transmission line. To reduce structure contrast, the towers crossing the river would be placed at their maximum span distance (selective mitigation measure #9) so fewer structures would be visible from this viewpoint.

Note: As stated in the 2008 Moab RMP, VRM Class II lands within the utility corridor are treated as VRM Class III for utility projects.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/4/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S  Range: 10E  Section: 13	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 320 Junction of Road to Buckhorn Wash		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Flat, smooth, Cedar Mountain prominent in background	Short, patchy	Vertical, geometric
<b>Line</b>	Horizontal	Angular, broken, diffuse edges	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges, reds	Gray-greens, dull	Brown
<b>Texture</b>	Fine grain	Even, medium grain	Fine grain, medium density, repeating

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>No</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/4/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Buckhorn Draw Scenic Backway*

Weak/moderate to moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III and viewed from the Buckhorn Draw Scenic Backway. The proposed Project crosses flat to gently rolling terrain and would be mostly backdropped by adjacent terrain. Disturbance associated with construction access would introduce geometric forms and curvilinear lines into the landscape, weakly contrasting with existing patterns. Due to the low-growing vegetation present in the right-of-way, vegetation clearing would be mostly limited to tower pads and access roads. The proposed structures would be seen at approximately 0.75 mile and viewed from a level viewing position with an existing 345kV transmission line located beyond the proposed Project. Therefore, structure contrast was assessed to be at a moderate level from this viewpoint.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/5/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 16S  Range: 13E  Section: 23	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 322 U.S. Highway 6 Rest Area (Dinosaur Diamond SB)		
<b>VRM Class/VQO:</b> IV		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Shallow to moderate slopes, rolling	Indistinct, amorphous, stippled	Vertical, geometric
<b>Line</b>	Horizontal, diagonal, undulating	Indistinct, regular	Thin vertical, angular, horizontal
<b>Color</b>	Tans	Dark greens, tans	Brown
<b>Texture</b>	Fine to medium grain	Medium grain, grouped	Medium grain, sparse

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Vertical, thin; geometric, triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/5/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View west from rest area on U.S. Highway 6 south of Wellington, Utah*

Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class IV as viewed from a rest area on U.S. Highway 6. The proposed Project crosses rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access and vegetation clearing in the right-of-way would be screened by topography and vegetation from this KOP. The proposed structures would be seen at approximately 1 mile from a slightly superior viewing position in context with an existing 138kV transmission line which is intermittently screened.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 10/12/2011
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 20S  Range: 13E  Section: 11	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 323 Old Railroad Grade (adjacent to Mexican Mountain WSA)		
<b>VRM Class/VQO:</b> III		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged to level, rolling	Indistinct, patches, stippled	Vertical, geometric, rhythmic
<b>Line</b>	Horizontal, diagonal, angular, undulating	Indistinct	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Reds, browns, tans, whites	Dark greens, tans	Browns
<b>Texture</b>	Fine to medium grain, striated	Medium grain, uneven random	Repeating medium grain, medium density,

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical, rhythmic; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, reds, lighter colored soils	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>Yes</p>
<p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p>
<p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	10/12/2011
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View northwest from the Old Railroad Grade adjacent to the Mexican Mountain WSA, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III as viewed from the Old Railroad Grade adjacent to the Mexican Mountain Wilderness Study Area. The proposed Project crosses rolling terrain and would be partially backdropped by the adjacent terrain except where the proposed structures would be located on top of the plateau northwest of the KOP. In this area, the proposed Project would be skylined. Disturbance associated with construction access would introduce dominant curvilinear lines that would expose lighter colored soils on the plateau. Contrast produced by vegetation clearing in the right-of-way would be weak due to the presence of scattered, low-growing vegetation. The proposed structures would be seen at 0.3 mile from a level to inferior viewing position in context with an existing 345kV transmission line. By rerouting the proposed Project off of the plateau (selective mitigation measure #7), the skylined structures would become more backdropped thereby reducing contrast and becoming compliant with VRM Class III. To further reduce contrast, the proposed Project would use the H-frame alternative structure type which would decrease the variety of different transmission structure types viewed in this area.

# VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 324 Dinosaur Diamond SB (U.S. HWY 6 N of Woodside)  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 18S  Range: 14E  Section: 4	<b>Location Sketch</b> 
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## Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	FG: Rolling, smooth BG: Bold, vertical, rugged	FG: Short, patchy BG: Few, stippled	Vertical, geometric
<b>Line</b>	FG: Undulating, angular BG: Horizontal banding, diagonal,	FG: Angular, broken, diffuse edges BG: Weak diffuse, indistinct	Angular, concave, horizontal
<b>Color</b>	FG: Tans, beiges BG: Tans, grays, reds	FG: Gray-greens, brighter greens along riparian corridor	Brown
<b>Texture</b>	FG: Fine grain BG: Banded, medium grain	FG: Random, medium grain BG: Fine to medium grain	Medium grain, dense, matted, uniform, ordered

## Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Vertical, rhythmic and diminishing; geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans, beiges	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse to medium grain, medium density

## Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p style="font-size: 1.2em;">No</p> <p><b>Additional mitigating measures recommended?</b></p> <p style="font-size: 1.2em;">No</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/23/2012
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Dinosaur Diamond Scenic Byway (U.S. Highway 6) north of Woodside, Utah*

Moderate to moderate/strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III as viewed from U.S. Highway 6. The proposed Project crosses rolling terrain and would be partially backdropped by adjacent terrain as it parallels the scenic highway. Disturbance associated with construction access would introduce curvilinear lines and geometric forms into the landscape. Due to the low-growing vegetation, right-of-way vegetation clearing would be mostly limited to tower pads and access roads. Therefore, the geometric shapes produced by vegetation clearing would weakly contrast with existing vegetation patterns. The proposed structures would be seen 0.7 mile away from a slightly superior viewing position in context with an existing 138kV transmission line.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 9/28/2012
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 11S  Range: 11E  Section: 9	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 325 Argyle Canyon Residences		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rounded, moderate slope	Numerous, irregular	Vertical, geometric
<b>Line</b>	Curving, undulating, angular	Broken, flowing, vertical, angular	Vertical, horizontal, concave (conductors)
<b>Color</b>	Tans	Variety of greens, tans, seasonal variation	Browns
<b>Texture</b>	Medium grain	Random, scattered, medium to coarse grain	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical, rhythmic and diminishing; complex
<b>Line</b>	Curvilinear, geometric	Angular, bold, butt edge	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Tans and grays	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating/diminishing coarse grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	9/28/2012
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from residences in Argyle Canyon, Utah*

Strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting viewed from residences in Argyle Canyon. The proposed Project would cross moderately steep slopes adjacent to an existing 138kV transmission line but since the proposed Project would be skylined on the ridgeline, it would dominate views from these residences. Due to the presence of tall vegetation in the right-of-way, vegetation would be removed across the entire 250-foot wide right-of-way introducing a geometric form which is incongruent with existing vegetation patterns as views of the existing transmission line right-of-way are mostly screened from view. The construction of access roads and tower pads would produce curvilinear lines and geometric forms which would contrast with the existing landforms. The proposed structures would be seen 0.2 mile away and would introduce strong contrast into the landscape since the existing 138kV transmission line is mostly screened from view at this location. Selective mitigation measures #3 (minimize cut and fill) and #4 (minimize tree clearing) would be applied to reduce contrast. To further reduce contrast, the proposed structure type would be modified to use the shorter, H-frame alternative structure type to utilize vegetation screening to the extent practicable.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 7/23/2012
<b>BLM Field Office/National Forest:</b> Price Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 19S	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 326 San Rafael Swell Destination Route	Range: 10E	
<b>VRM Class/VQO:</b> III	Section: 13	

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Rugged, rolling, geometric	Indistinct, patches, stippled	n/a
<b>Line</b>	Horizontal, diagonal, angular, undulating	Indistinct	n/a
<b>Color</b>	Reds, browns, tans	Tans, dark greens	n/a
<b>Texture</b>	Fine to medium grain, striated	Fine to medium grain, uneven random	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Low, rectangular clearings (tower pads)	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Indistinct, broken, regular	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	Browns, tans	Sage greens, tans	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Repeating coarse to medium grain and density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	7/23/2012
<b>BLM Field Office/National Forest:</b>	Price Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View north from Green River Cutoff Road (San Rafael Swell Destination Route), Utah*

Strong contrast would result from the construction and operation of the proposed Project within an enclosed landscape setting designated as VRM Class III and viewed from the Green River Cutoff Road which provides access into the San Rafael Swell from U.S. Highway 6. The proposed Project would be seen from a level view with structures and conductors skylined as it crosses through relatively flat terrain. Disturbance associated with construction access and tower pads would weakly contrast with existing landform characteristics. Contrast produced by vegetation clearing in the right-of-way was assessed to be weak due to the scattered, low-growing vegetation which would be modified minimally by the proposed Project. The proposed structures would be seen directly adjacent to the road and therefore, the skylined structures would dominate views from this road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 8/21/2013
<b>BLM Field Office/National Forest:</b> Ashley National Forest
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 327 Avintaquin Campground  <b>VRM Class/VQO:</b> Retention	<b>Location:</b>  Township: 7S  Range: 8W  Section: 10	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, rounded	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	n/a
<b>Color</b>	Tans, grays	Vivid, greens, tans, seasonal variation	n/a
<b>Texture</b>	Medium grain	Coarse grain, dense	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	n/a	n/a	Bold, vertical; complex geometric/triangular
<b>Line</b>	n/a	n/a	Vertical/diagonal, horizontal; concave (conductors)
<b>Color</b>	n/a	n/a	Dull gray, transparent
<b>Texture</b>	n/a	n/a	Repeating coarse to medium grain and density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	8/21/2013
<b>BLM Field Office/National Forest:</b>	Ashley National Forest
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from Avintaquin Campground, Utah*

Strong contrast would result from the construction and operation of the proposed Project in an enclosed landscape setting viewed from the Avintaquin Campground within lands designated by the Ashley National Forest as a retention VQO. The proposed Project would cross steep terrain as it traverses Reservation Ridge between the Reservation Ridge Scenic Backway and extremely steep terrain south of this ridge. Disturbance associated with construction access and right-of-way vegetation clearing would be screened by topography and vegetation and therefore, disturbance to these features would not be visible from this KOP. The proposed structures would be seen from 0.4 mile away and would be skylined above the trees on one of the domed peaks common along Reservation Ridge. By relocating the proposed Project behind the domed peak visible in this photograph, through the application of selective mitigation measure #7, the dominance of the transmission structures would be reduced through partial to complete landscape screening afforded by this topographic feature.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 8/21/2013
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 11S Range: 10E Section: 12	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 328 Indian Canyon Scenic Byway (U.S. Highway 191)		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, bold, rounded, level	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous, angular, horizontal	Flowing, complex, irregular	n/a
<b>Color</b>	Tans, grays	Vivid, greens, tans, seasonal variation, grays	n/a
<b>Texture</b>	Medium to coarse grain	Coarse, dense	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<b>Does project design meet visual resource management objectives?</b> n/a
<b>Additional mitigating measures recommended?</b> Yes
<b>Evaluator(s):</b> EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	8/21/2013
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View south from U.S. Highway 191, Utah*

Moderate/strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting as viewed from U.S. Highway 191 (designated as both the Dinosaur Diamond Scenic Byway and Indian Canyon Scenic Byway). The proposed Project would traverse steep terrain located between Reservation and Argyle ridges as it crosses this designated scenic road. Disturbance associated with the construction of access road and vegetation clearing in the right-of-way would be mostly screened by vegetation except for views perpendicular to U.S. Highway 191 toward the east, which is not the common viewing direction along the highway. In this area, these disturbances would introduce geometric forms and curvilinear lines incongruent with the existing landscape character. The proposed structures would be seen at approximately 0.2 mile from a level viewer position and would introduce a strong level of structure contrast. To reduce contrast on views to the east, selective mitigation measure #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would be applied.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 8/21/2013
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project  <b>Key Observation Point</b> # 329 Reservation Ridge Scenic Backway  <b>VRM Class/VQO:</b> III	<b>Location:</b>  Township: 7S  Range: 8W  Section: 9	<b>Location Sketch</b> 
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### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Diagonal, rounded, undulating	Vertical, complex, pyramidal, amorphous	n/a
<b>Line</b>	Curving, continuous	Flowing, complex, irregular	n/a
<b>Color</b>	Tans, grays	Vivid, variety of green, white, tans, seasonal variation, grays	n/a
<b>Texture</b>	Medium to coarse grain	Dense, fine (understory) to coarse (overstory) grain	n/a

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Curvilinear, geometric	Angular, bold, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features														
		Landform/Water Body				Vegetation				Structures						
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None			
Elements	Form															
	Line															
	Color															
	Texture															

**Does project design meet visual resource management objectives?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	8/21/2013
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southwest from the Reservation Ridge Scenic Backway, Utah*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class III. The proposed Project would cross rolling to steep terrain and would likely include a skylined structure on the intermediate ridge visible in the photograph. Disturbance associated with the construction of access roads would introduce additional curvilinear lines into the existing landscape with tower pads generating flat, geometric forms. Vegetation clearing in the right-of-way would produce geometric forms inconsistent with the existing amorphous vegetation patterns. The proposed structures would be seen at approximately 0.3 mile paralleling the Reservation Ridge Scenic Backway with structures intermittently skylined on ridges. Selective mitigation measures #3 (minimize ground disturbance) and #4 (minimize vegetation clearing) would reduce contrast on views from this scenic road.

## VISUAL CONTRAST RATING WORKSHEET

**DRAFT**

<b>Date:</b> 8/21/2013
<b>BLM Field Office/National Forest:</b> Vernal Field Office
<b>Resource Area:</b>
<b>Activity (program):</b> 500kV Transmission Project

<b>Project Name:</b> Energy Gateway South Transmission Project	<b>Location:</b> Township: 11S  Range: 10E  Section: 23	<b>Location Sketch</b> 
<b>Key Observation Point</b> # 330 Dispersed residences north of Emma Park		
<b>VRM Class/VQO:</b> n/a		

### Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
<b>Form</b>	Bold, rounded, level ridgetops and valley	Vertical, complex, pyramidal, amorphous	Low, geometric
<b>Line</b>	Curving, continuous, diagonal, horizontal	Flowing, complex, bands, irregular	Angular, vertical
<b>Color</b>	Tans, grays	Vivid green, tans, seasonal variation	Browns, black
<b>Texture</b>	Fine (valley) to coarse (mountain) grain	Coarse, even on slopes and scattered on ridges, stippled	Medium grain, sparse density

### Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
<b>Form</b>	Level, horizontal	Geometric, rectangular	Bold, vertical; complex geometric/triangular
<b>Line</b>	Geometric, curvilinear	Angular, butt edge	Vertical/diagonal; thin concave (conductors)
<b>Color</b>	Tans	Tans, gray-green	Dull gray, transparent
<b>Texture</b>	Fine grain	Fine to medium grain	Uniform coarse grain, medium density

### Degree of Contrast

Degree of Contrast		Features											
		Landform/Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

<p><b>Does project design meet visual resource management objectives?</b></p> <p>n/a</p> <p><b>Additional mitigating measures recommended?</b></p> <p>Yes</p> <p><b>Evaluator(s):</b></p> <p>EPG visual personnel</p>
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## VISUAL CONTRAST RATING WORKSHEET

<b>Date:</b>	8/21/2013
<b>BLM Field Office/National Forest:</b>	Vernal Field Office
<b>Resource Area:</b>	
<b>Activity (program):</b>	500kV Transmission Project



*View southeast from an area of cabin development east of U.S. Highway 191, Utah*

Strong contrast would result from the construction and operation of the proposed Project within this partially enclosed landscape setting associated with an area of cabin development east of U.S. Highway 191 along a tributary of Willow Creek. The proposed Project crosses level to rolling terrain adjacent to this tributary where due to the proximity of the Project, produces an inferior viewing position therefore skylining structures above the viewer. Disturbance associated with construction access would include building a series spur roads from existing roads to tower pads introducing additional curvilinear lines and geometric tower pads through associated earthwork efforts. Areas of right-of-way vegetation clearing would introduce geometric vegetation patterns, in particular to the east of the existing cabin, incongruent with the existing landscape character. The proposed structures would be seen immediately adjacent to this viewpoint, the entrance to this cabin development, in addition to paralleling this road for approximately 0.75 mile. This viewpoint, only 200 feet from the proposed centerline, was selected to describe the effect of the Project being located adjacent to residential areas where views would be completely dominated by the Project. Due to the proximity of the Project to these residences, including additional residences to the south, and limited opportunities to relocate the Project due to steep terrain to the north, minimizing these impacts through selective mitigation would be mostly associated with reducing the effects of right-of-way vegetation clearing through the application of selective mitigation measure #4.