# Exhibit M2
# Key Observation Point
# Contrast Rating Worksheets

# LIST OF ACRONYMS AND ABBREVIATIONS[1]

| | |
|---|---|
| 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: [1]These acronyms and abbreviations were used as needed, due to space limitations in the name field, on the visual contrast rating worksheets.

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

| KOP ID | Viewing Location Name | Concern Level Factors | | | | | | Link(s) | Key Observation Point | | | | Simulation[1] | 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 | | | |
| **WYOMING** | | | | | | | | | | | | | | | |
| **Bureau of Land Management Rawlins Field Office** | | | | | | | | | | | | | | | |
| 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 | ✓ | | | | | 0.75 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 | ✓ | | | | | 0.5 mile | Travel route views of the Project through BLM VRM Class IV 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 | | ✓ | | | | 0.5 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 | ✓ | | | | | 1.0 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 | ✓ | | | | | 0.25 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 | | | |
| **COLORADO** | | | | | | | | | | | | | | | |
| **Bureau of Land Management Little Snake Field Office** | | | | | | | | | | | | | | | |
| 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, C173 | | | ✓ | ✓ | ✓✓ | 0.1 mile | View from National Monument recreation kiosk |
| 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 | ✓ | | | | | 0.3 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 |
| 331 | Dinosaur National Monument (Deerlodge Road/Yampa Valley Trail) | Long | High | High | | Recreation | High | C95 | | ✓ | | ✓ | ✓✓ | 0.4 mile | View from National Monument entrance road through BLM VRM Class III land |
| 332 | Dinosaur National Monument (Deerlodge Road) | Long | High | High | | Recreation | High | C95 | | | ✓ | ✓ | | 0.4 mile | View from National Monument entrance road |
| **Bureau of Land Management White River Field Office** | | | | | | | | | | | | | | | |
| 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, C188 | | ✓ | | ✓ | ✓✓ | 1.5 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 | ✓ | | | ✓ | | 0.75 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 | ✓ | | | | | 1.0 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 |
| **Bureau of Land Management Grand Junction Field Office** | | | | | | | | | | | | | | | |
| 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 |

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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 | | | |
| **Utah** | | | | | | | | | | | | | | | |
| **Bureau of Land Management Vernal Field Office** | | | | | | | | | | | | | | | |
| 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 |
| 87 | Enron Recreation Area (on White River) | Long | Moderate | High | | Recreation | High | U300 | ✓ | | | | ✓✓ | 0.5 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 | U407, U413 | ✓ | | | | ✓✓ | 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 | ✓ | | | | ✓✓ | 0.75 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 | ✓ | | | | ✓✓ | 1.0 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. |

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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 | | | |
| 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 |
| 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 | U520 | | | ✓ | | | 0.4 mile | Residential views |
| **Bureau of Land Management Moab Field Office** | | | | | | | | | | | | | | | |
| 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 |
| **Bureau of Land Management Price Field Office** | | | | | | | | | | | | | | | |
| 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, U733 | ✓ | | | | ✓✓ | 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 |

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| 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 |
| 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. Highway191) | 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 |
| **Bureau of Land Management Salt Lake Field Office** | | | | | | | | | | | | | | | |
| 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 | | | ✓ | | ✓✓ | 1.5 mile | Travel route views |
| **Bureau of Land Management Richfield Field Office** | | | | | | | | | | | | | | | |

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

| KOP ID | Viewing Location Name | Concern Level Factors | | | | | | Link(s) | Key Observation Point | | | | Simulation[1] | 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 | | | |
| 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 |
| 212 | Fairview residential | Long | Moderate | High | | Residential | High | U600<br>U636 | | | ✓ | | | 1.1 mile | Residential views |
| 261 | Fairview residential | Long | High | High | | Residential | High | U600<br>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 |
| **Bureau of Land Management Fillmore Field Office** | | | | | | | | | | | | | | | |
| 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 | | | ✓ | | ✓✓ | 0.3 mile | Travel route views |
| **Ashley National Forest** | | | | | | | | | | | | | | | |
| 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 |
| **Manti-La Sal National Forest** | | | | | | | | | | | | | | | |
| 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 | | ✓ | | | | 0.9 mile | 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 |

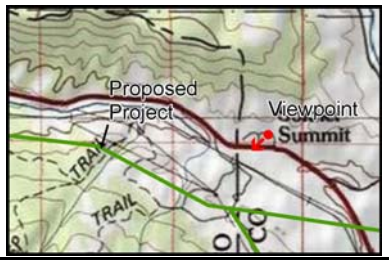
**TABLE N-1**
**KEY OBSERVATION POINTS AND SIMULATION LOCATIONS**

| KOP ID | Viewing Location Name | Concern Level Factors | | | | | | Link(s) | Key Observation Point | | | | Simulation[1] | 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 | | | |
| 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 |
| 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. |
| **Uinta-Wasatch-Cache National Forest** | | | | | | | | | | | | | | | |
| 216 | U.S. Highway 6 (west of Soldier Summit) | Moderate | High | Moderate | | Travel Route | Moderate | U533, U535 | ✓ | | | | | 0.3 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 | U428, U429, U433 | ✓ | | | | ✓✓ | 0.4 mile | Recreation destination route view of the Project through USFS Partial Retention VQO |

NOTES:
[1]✓ = 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Salt Lake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

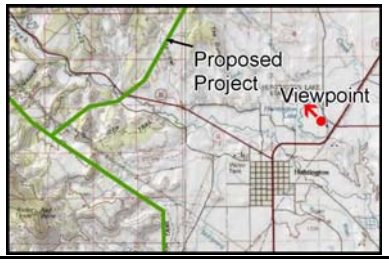
| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Salt Lake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View southwest from residences in Soldier Summit, Utah*

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with residences in Soldier 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 17S | Location Sketch |
| **Key Observation Point** # 26 Huntington State Park | Range: 9E |   |
| **VRM Class/VQO:** n/a | Section: 17 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Prominent, bold, rugged (Wasatch Plateau); level, horizontal (valley) | Amorphous patches, stippled areas | Vertical, geometric, rectangular (homes) |
| **Line** | Angular, complex, jagged (Wasatch Plateau); horizontal, smooth (valley) | Butt and diffuse edges, indistinct in valley | Vertical, angular |
| **Color** | Grays, tans, browns, reds | Dark greens, tans | Gray, transparent, reflective, white |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin; geometric, triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Uniform coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

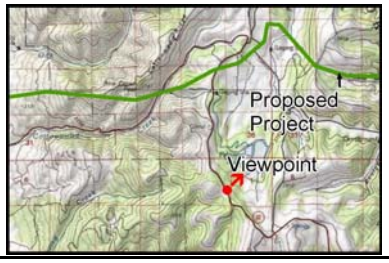
| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

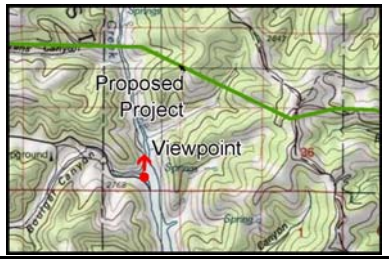
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 13S | Location Sketch |
| **Key Observation Point** # 30 Electric Lake | Range: 6E |   |
| **VRM Class/VQO:** Partial Retention | Section: 34 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, horizontal | Horizontal, butt edge | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

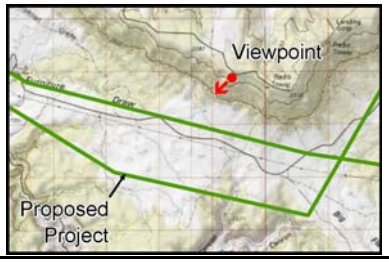
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Indistinct, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Light tans, browns, reds | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 10S | Location Sketch |
| **Key Observation Point** # 36 Birdseye residential | Range: 3E | |
| **VRM Class/VQO:** Partial Retention | Section: 26 | |


## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin, triangular |
| **Line** | Curvilinear, geometric | Horizontal, butt edge | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Reds, tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

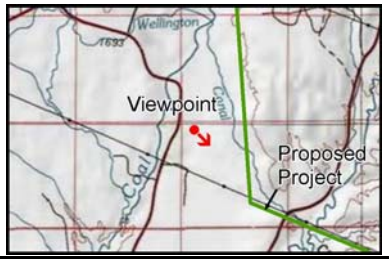
| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

Weak-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 0.9 mile 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

| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

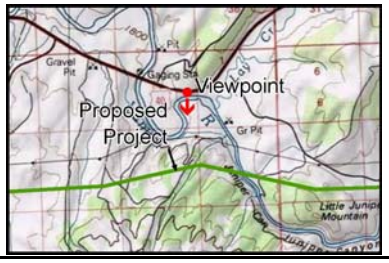
| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 6N | Location Sketch |
| **Key Observation Point** # 50 Maybell residential | Range: 95W |   |
| **VRM Class/VQO:** III | Section: 2 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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 skylined 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Minimal disturbance from geometric clearings for tower pads | Geometric areas of reestablished low growing vegetation | Vertical, rhythmic; geometric/triangular |
| **Line** | Diagonal, horizontal | Horizontal, diagonal butt edge created at clearings for tower pads | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tan | Greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 2/7/2012 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

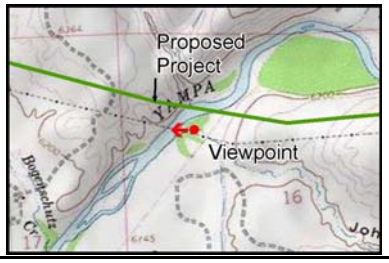
| | |
|---|---|
| **Date:** | 2/7/2012 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 2/7/2012 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical; complex, triangular, geometric |
| **Line** | n/a | n/a | Diagonal, horizontal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | n/a | n/a | Coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 2/7/2012 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

**Project Name:**
Energy Gateway South Transmission Project

**Key Observation Point**
**#** 56 Colorado State Highway 13 (south of Craig)

**VRM Class/VQO:**
n/a

**Location:**
Township: 6N
Range: 91W
Section: 9

Location Sketch


## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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?**

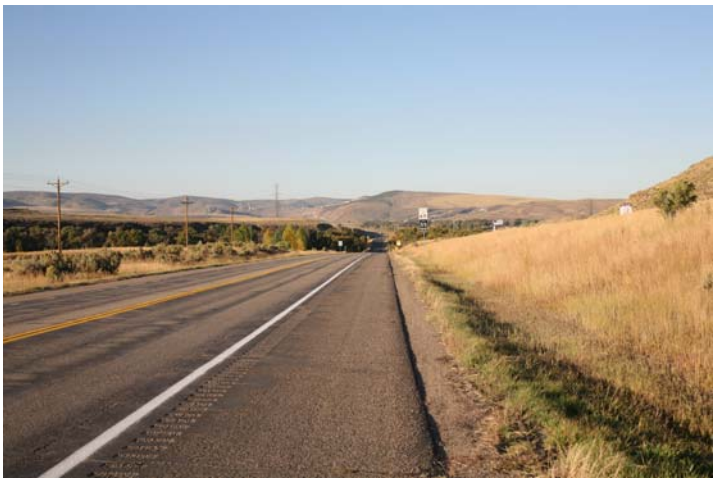
Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |



*View southwest from Colorado State Highway 13*

Weak contrast would result form 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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 | | | ■ | | | | ■ | | | | ■ | |

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

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

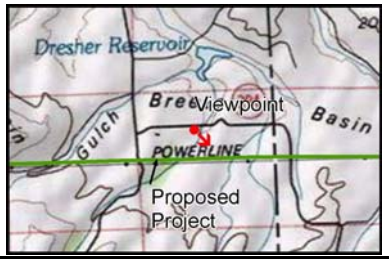
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

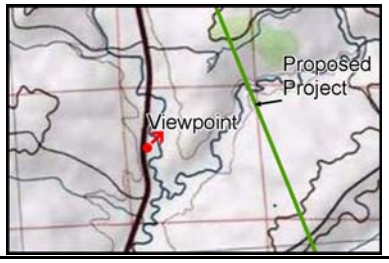
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

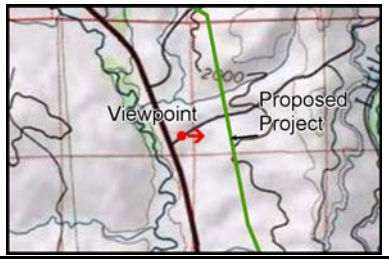
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 form 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Minimal disturbance for geometric clearings for tower pads and access | Geometric patches of reestablished low vegetation on clearings | Vertical; complex, triangular, geometric |
| **Line** | Horizontal, gently undulating | Horizontal butt edge created at clearing | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans | Greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, rhythmic and diminishing; complex, triangular, geometric |
| **Line** | n/a | n/a | Diagonal, horizontal; concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | n/a | n/a | Repeating coarse to medium grain and density |

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

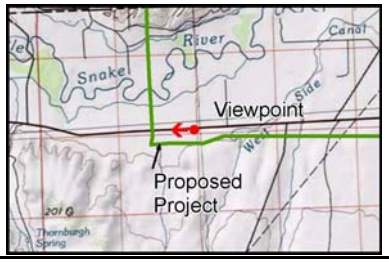
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans, grays | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

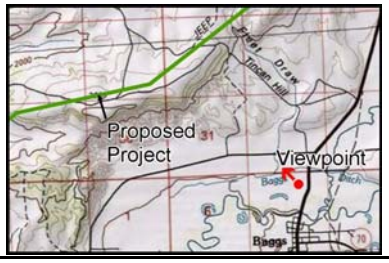
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 73 Baggs residential | Township: 12N |   |
| **VRM Class/VQO:** III | Range: 91W | |
| | Section: 5 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin vertical |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | n/a | n/a | Uniform repeating medium grain, sparse density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

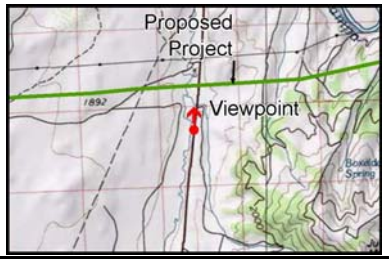
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 83 Moffat County Road 57 | Township: 6N |   |
| **VRM Class/VQO:** n/a | Range: 95W | |
| | Section: 16 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

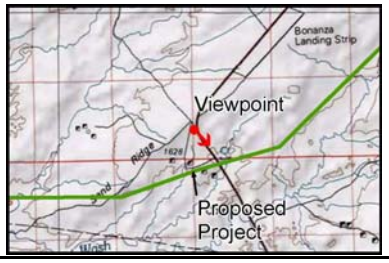
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, grays, light brown | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

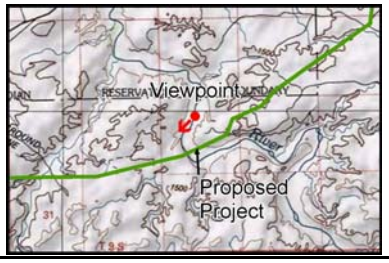
| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical; complex, triangular, geometric |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | Fine | Fine grain | Coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

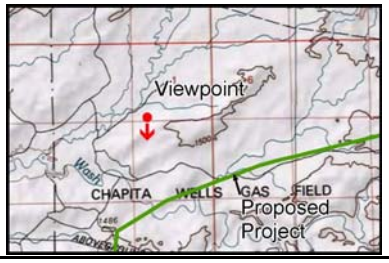
| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 0.5 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

| | |
|---|---|
| **Date:** | 8/24/2009 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | n/a |
| **Line** | n/a | n/a | n/a |
| **Color** | n/a | n/a | n/a |
| **Texture** | n/a | n/a | n/a |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 8/24/2009 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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 for oil and gas extraction.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/10/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans, browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

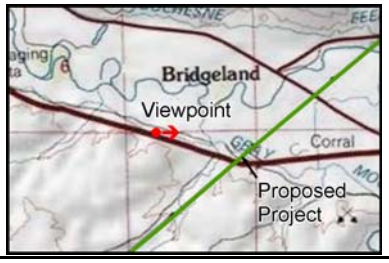
| | |
|---|---|
| **Date:** | 10/10/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

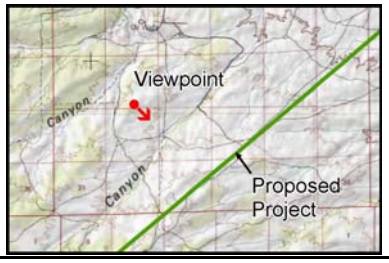
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 5/21/2009 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, horizontal | Linear vegetation clearing in right-of-way | Thin, vertical |
| **Line** | Curvilinear, horizontal | Butt edge along edge of right-of-way | Thin, vertical; thin/weak concave (conductors) |
| **Color** | Tans | Light tan (grasses) | Dull gray |
| **Texture** | 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 | | | ■ | | | | ■ | | | | ■ | |

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

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 5/21/2009 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 3S | Location Sketch |
| **Key Observation Point** # 107 Ioka residential | Range: 2W |   |
| **VRM Class/VQO:** n/a | Section: 5 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, horizontal, slightly rolling, plateaus | Low and flat to tall, vertical | Tall, vertical, geometric, transparent |
| **Line** | Weak, horizontal | Regular, vertical, horizontal, butt edges | Complex, angular, concave, horizontal |
| **Color** | Browns, reds | Vivid greens, tans | Reflective, gray |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Low, flat | Vertical; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Weak, horizontal | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Browns | Tans, gray-greens | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Uniform coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, horizontal | Low, flat | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, horizontal | Regular, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Red, brown | Greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 110 Roosevelt residential | Township: 2S |   |
| **VRM Class/VQO:** n/a | Range: 1W | |
| | Section: 27 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

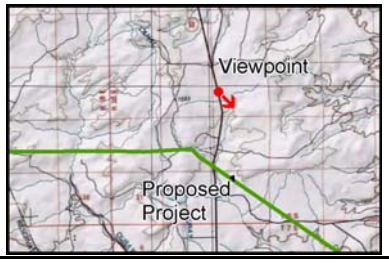
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/10/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/10/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body | | | | Features: Vegetation | | | | Features: 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans, grays | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 147 Rangely residential | Township: 1N |   |
| **VRM Class/VQO:** III | Range: 102W | |
| | Section: 12 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

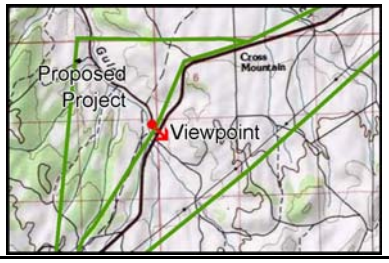
| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Pyramidal, low rolling | Amorphous patches and strips | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Undulating horizontal, curving band | Diffuse to butt edges | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Brown-tans, grays/black (road) | Light tans, yellow, dark green, and light greens | Dull gray, transparent |
| **Texture** | Fine to medium | Fine to medium | Repeating/diminishing medium grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; concave (conductors) |
| **Color** | Brown-tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View south from the kiosk on Deerlodge Road (Dinosaur National Monument), Colorado*

Strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting as viewed from the kiosk on Deerlodge Road adjacent to the turnoff into Dinosaur National Monument from U.S. Highway 40. The proposed Project would cross through level to rolling terrain in a mostly skylined condition. Earthwork associated with construction access and tower pads would produce weak landform and moderate vegetation contrast through the introduction of additional geometric forms into the landscape. The transmission structures would be seen from less than 0.25 mile away, directly adjacent to U.S. Highway 40, with two existing transmission lines located another 1 mile away. Due to the proximity of the Project to this viewpoint, structure contrast was assessed to be strong. There are limited selective mitigation measures which could be applied to reduce contrast, other than moving the Project further away,due to proximity of the Project structures which will dominate views from the kiosk.

It is important to note that another route variation is located over 1 mile away and on the other side of the two existing transmission lines where the Project would be backdropped by terrain producing a weaker level of contrast.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

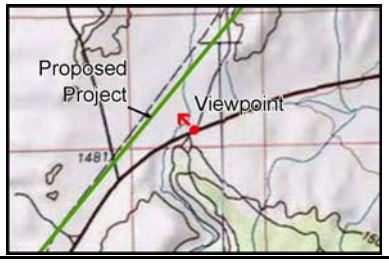
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Minimal disturbance for geometric tower pads and access through flat | Thin horizontal band of low growing reestablished vegetation at tower | Vertical; complex, triangular, geometric |
| **Line** | Horizontal | Horizontal | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans | Tans, greens | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

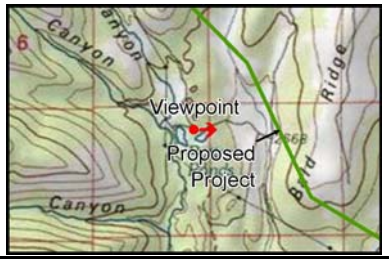
*View north from picnic area at Crescent Junction Rest Area, Utah*

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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 16S | Location Sketch |
| **Key Observation Point** # 194 Potters Ponds | Range: 6E | |
| **VRM Class/VQO:** Partial Retention | Section: 8 | |




## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin; geometric, triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

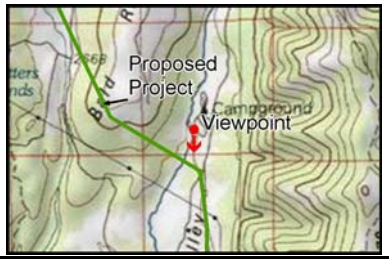
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 16S | Location Sketch |
| **Key Observation Point** # 195 Indian Creek Campground | Range: 6E |   |
| **VRM Class/VQO:** Partial Retention | Section: 10 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Angular, bold, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

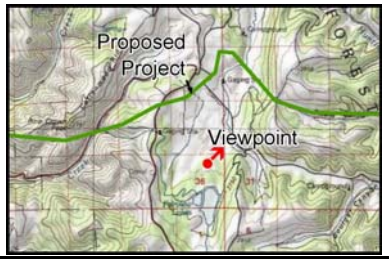
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin, triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric, thin horizontal clearing(s) for tower pads and | Cleared geometric, horizontal clearings for tower pads and access | Vertical, rhythmic and diminishing; complex, triangular, geometric |
| **Line** | Diagonal, horizontal and undulating | Creating butt edge(s) at clearings | Diagonal, horizontal; concave (conductors) |
| **Color** | Contrasting tans from soil disturbance for clearings | Greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

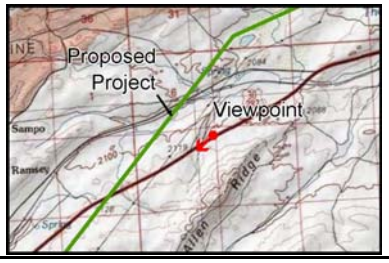
| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/24/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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



## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 7/24/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

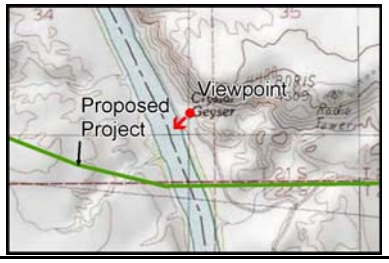
*View east from Argyle Canyon Road, Utah*

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 algon the flat valley floor between 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.

The location of a route variation, which crosses the canyon perpendicularly, would greatly reduce contrast and due to the short-duration view, would be compliant with the definition of BLM VRM Class III.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 201 Crystal Geyser | Township: 21S |   |
| **VRM Class/VQO:** III | Range: 16E | |
| | Section: 34 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Curving band (river), rolling to level | Continuous strip of riparian vegetation, stippled | Vertical, geometric |
| **Line** | Complex, diagonal, horizontal | Undulating, weak, diffuse edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans, reds | Variety of greens, browns | Brown, gray |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans, reds | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View southwest from Crystal Geyser, 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 Geyser. 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

| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 7/25/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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. To further reduce impacts, the tower located on the top of the ridge should be moved f to the north into the saddle. This will site the Project away from a focal point in the landscape, reducing its level of dominance in this view.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

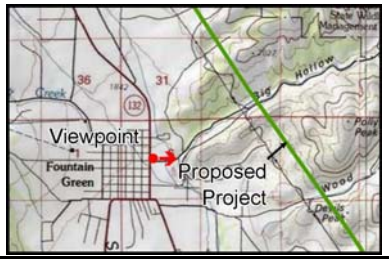
| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin, triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans, reds | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Bold, vertical, rhythmic; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic ; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Stippled vegetation | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Diffuse edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, grays, reds | Tans, gray-greens | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 210 Dinosaur residential | Township: 3N |   |
| **VRM Class/VQO:** III | Range: 103W | |
| | Section: 7 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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 1.5 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 212 Fairview residential | Township: 13S |   |
| **VRM Class/VQO:** n/a | Range: 4E | |
| | Section: 36 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin, triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans, whites | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Bold, vertical; complex geometric/triangular |
| **Line** | n/a | n/a | Vertical/diagonal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

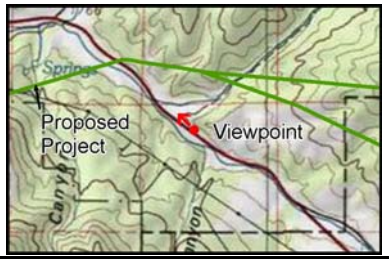
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

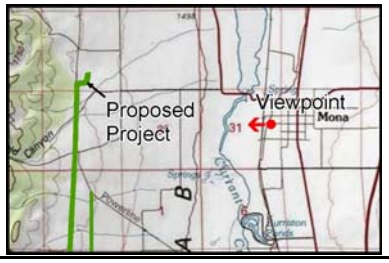
| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

Moderate/strong 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 0.5 miles away with views of the existing transmission lines screened by topography; therefore, a moderate/strong structure contrast would be produced by the proposed Project.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 345kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 215 Mona residential | Township: 11S |   |
| **VRM Class/VQO:** III | Range: 1E | |
| | Section: 31 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 216 U.S. Highway 6 (west of Soldier Summit) | Township: 10S<br>Range: 6E |  |
| **VRM Class/VQO:** Partial Retention | Section: 15 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Domed, bold, rugged | Stippled areas on slopes, amorphous patches | Vertical, geometric |
| **Line** | Diagonal, hard | Diffuse edges, irregular | Vertical; thin concave (conductors) |
| **Color** | Grays, tans | Dark greens, tans | Grays, transparent, browns |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | n/a | n/a | Bold, vertical; complex geometric/triangular |
| **Line** | n/a | n/a | Vertical/diagonal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | n/a | n/a | Uniform coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

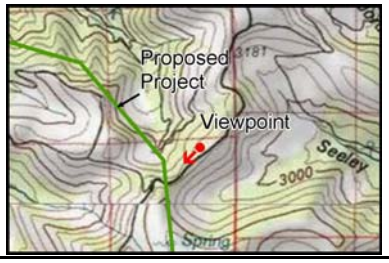
*View west from U.S. Highway 6 west of Soldier Summit, Utah*

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 to the north 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).

Additionally, there is a route variation located south of U.S. Highway 6 on privately-owned lands. The Project would introduce geometric vegetation clearing within the Project right-of-way and unobstructed views of proposed structures. These modifications would result in a moderate to moderate/strong level contrast. 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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 15S | Location Sketch |
| **Key Observation Point** **# 217** Skyline Drive Scenic Backway | Range: 5E |   |
| **VRM Class/VQO:** Partial Retention | Section: 24 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, rhythmic; geometric/triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

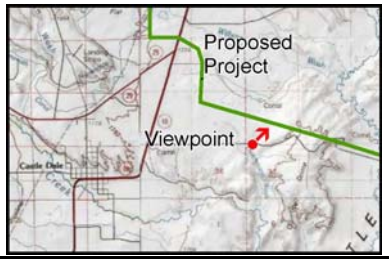
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

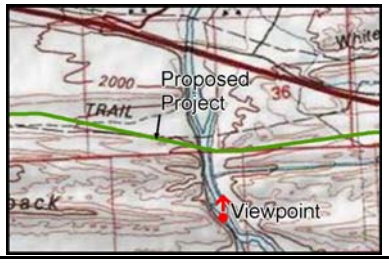
| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/7/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 220 North Platte River SRMA | Township: 20N |   |
| **VRM Class/VQO:** III | Range: 85W | |
| | Section: 3 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

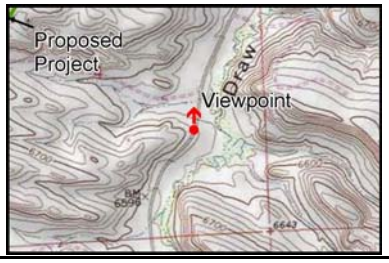
| | |
|---|---|
| **Date:** | 10/7/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |


*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

| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric clearing for tower pad and access | Cleared geometric portions for tower pads and access | Vertical, thin; geometric, triangular |
| **Line** | Horizontal, diagonal | Creating straight, diagonal butt edges at clearings | Vertical/diagonal; thin concave (conductors) |
| **Color** | Contrasting tan from soil disturbance for clearings | Remaining low growing vegetation, greens, tans | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Uniform coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

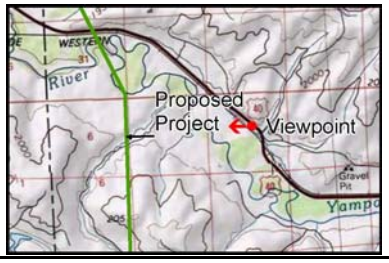
| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View north from Hanna Draw Road, Wyoming*

Moderate/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 0.75 mile and introduce moderate/strong structure contrast as a few structures would be skylined with other structures being backdropped by distant ridges. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance) and #9 (maximize span length) would be applied.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

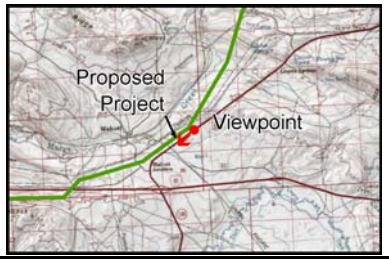
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

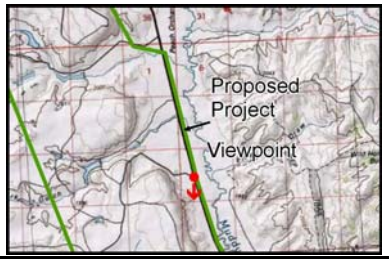
| | |
|---|---|
| **Date:** | 10/6/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

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 0.5 mile away and would introduce a moderate/strong contrast with existing structural elements in view due to the parallel viewing angle.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

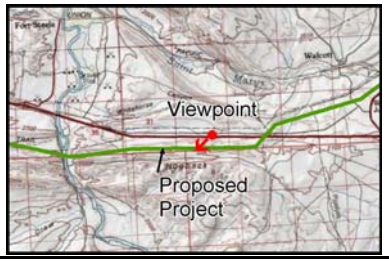
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical; complex, triangular, geometric |
| **Line** | n/a | n/a | Diagonal, horizontal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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 | | | | | | | | | | | | |

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

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View southwest from Interstate 80, Wyoming*

Weak/moderate to moderate contrast would result form 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

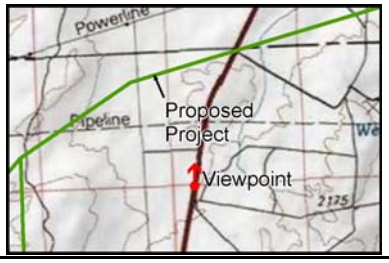
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 partially skylined condition from approximately 0.5 mile away and would introduce moderate/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 moderate/strong as the structures and conductors would still be seen in a partially skylined condition.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, thin; geometric, triangular |
| **Line** | n/a | n/a | Vertical/diagonal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View north 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 a 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 1 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 229 Wamsutter residential | Township: 20N |   |
| **VRM Class/VQO:** III | Range: 94W | |
| | Section: 34 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin vertical |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | 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

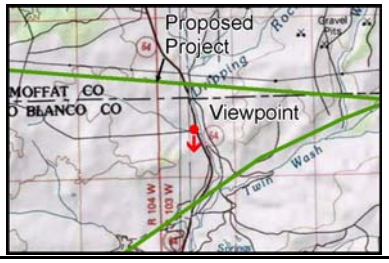
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, rhythmic; geometric/triangular |
| **Line** | n/a | n/a | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | n/a | n/a | Uniform coarse grain, medium density |

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

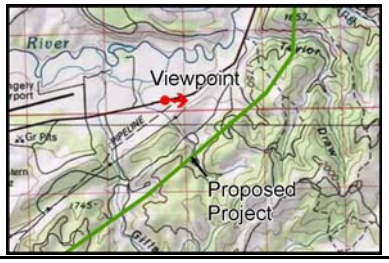
| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View south from Colorado State Highway 64*

Weak/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 mostly backdropped 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 0.75 miles and introduce weak/moderate structure contrast. The proposed Project would parallel an existing transmission line, with the existing transmission line located closer to this viewpoint than the Project. 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

Nate Ferguson

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** **# 241** Dinosaur Diamond SB in Canyon Pintado NHD | Township: 1N |   |
| **VRM Class/VQO:** III | Range: 101W | |
| | Section: 18 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric tower pads and access | Cleared portions for tower pads and access | Bold, vertical; complex geometric/triangular |
| **Line** | Diagonal, horizontal | Creating butt edge at clearing | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Contrasting tans from soil disturbance for clearings | Light and dark greens, tans | Dull gray, transparent |
| **Texture** | 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

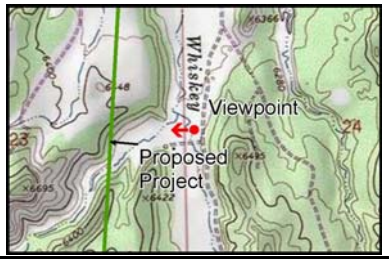
| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

Strong contrast would result form 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

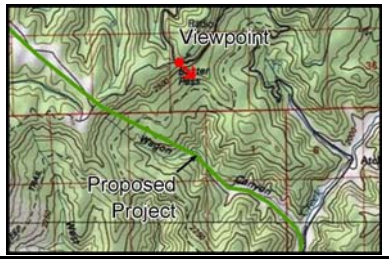
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 243 Baxter Pass Road | Township: 5S |   |
| **VRM Class/VQO:** IV | Range: 103W | |
| | Section: 34 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Diagonal, butt edge | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans, grays | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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 | | | ■ | | | | ■ | | | | ■ | |

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

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads), stippled vegetation | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, regular, diffuse edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Light tans, browns, reds | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

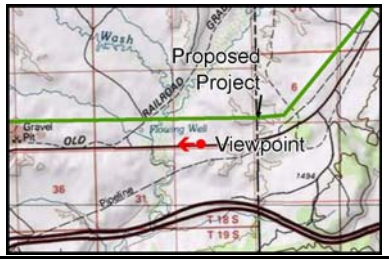
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

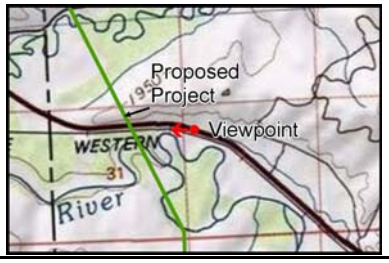
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric clearing for tower pad | Geometric patch at clearing of reestablished low vegetation | Vertical; complex, triangular, geometric |
| **Line** | Horizontal | Horizontal | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tan | Green, tan | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric clearings for tower pad and access | Cleared portions for tower pads and access creating geometric | Vertical; complex, triangular, geometric |
| **Line** | Diagonal, horizontal | Horizontal and or diagonal butt edges at clearings | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans | Tans and greens of remaining vegetation after clearing for tower | Dull gray, transparent |
| **Texture** | 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?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

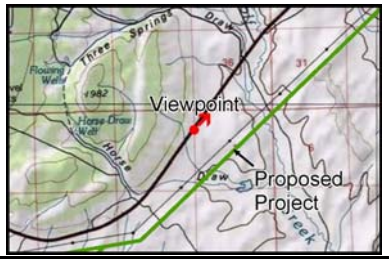
| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 0.3 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Thin continuous diagonal and geometric clearings for tower pads | Thin continuous strip of low reestablished vegetation at clearing | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Diagonal | Diagonal butt edge created at clearing | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans | Tans, greens | Dull gray, transparent |
| **Texture** | 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 | | | ■ | | | | ■ | | | | ■ | |

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

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

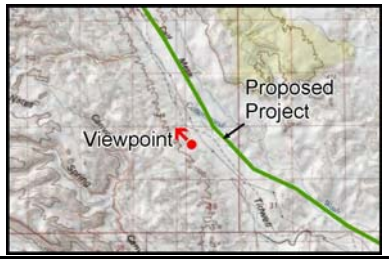
| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View northeast from U.S. Highway 40, 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 U.S. Highway 40 east of Massadona, Colorado. The proposed Project would be seen from a level view with the majority of the structures backdropped 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 1 mile, which would have a weak/moderate contrast with existing structural elements visible in this landscape including two existing transmission lines. The existing transmission lines are located approximately 250 feet closer to this viewpoint than the proposed Project.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 255 Mexican Mountain WSA | Township: 20S |   |
| **VRM Class/VQO:** III | Range: 13E | |
| | Section: 25 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, reds, lighter colored soils | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

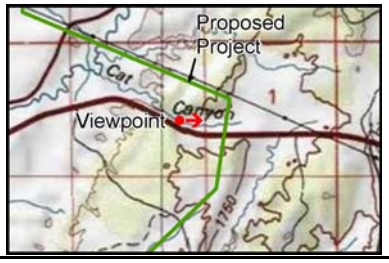
| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Light tans, browns | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

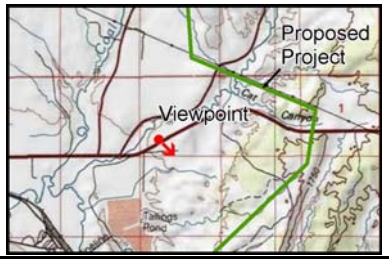
| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | n/a | n/a | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | n/a | n/a | 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 | | | | ■ | | | | ■ | | ■ | | |

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

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

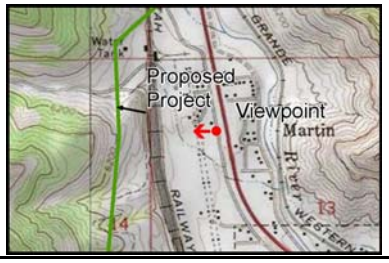
| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

| | |
|---|---|
| **Date:** | 10/3/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, thin; geometric, triangular |
| **Line** | n/a | n/a | Vertical/diagonal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

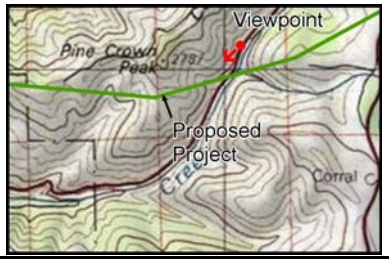
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

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

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 14S | Location Sketch |
| **Key Observation Point** # 261 Fairview residential | Range: 4E |   |
| **VRM Class/VQO:** n/a | Section: 2 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 262 Dispersed residences east of Mount Pleasant | Township: 15S<br>Range: 4E |  |
| **VRM Class/VQO:** n/a | Section: 1 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | FG: Flat/slightly concave to gently rolling | FG: Low indistinct patches, stippled areas | Vertical, geometric |
| **Line** | FG: Continuous, horizontal, simple<br>BG: Diagonal, undulating | FG: Indistinct, weak diffuse edges<br>BG: Butt edges, complex | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | FG: Tans (not visible)<br>BG: Tans (not visible) and grays | FG: Sage greens, tans<br>BG: Light and dark greens, seasonal | Brown |
| **Texture** | FG: Fine grain<br>BG: Moderate to coarse grain | FG: Fine to medium grain<br>BG: Moderate to coarse grain | Fine grain, medium density, ordered |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body | | | | Features: Vegetation | | | | Features: 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 263 Mount Pleasant residential | Township: 14S<br>Range: 4E |  |
| **VRM Class/VQO:** n/a | Section: 34 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level to slightly rolling, prominent Wasatch Plateau in the background | Low grassland, moderately tall trees | Rectangular, geometric |
| **Line** | Horizontal | Vertical, smooth | Angular, horizontal |
| **Color** | Tans | Greens, tans | Gray, white, red, brown |
| **Texture** | Smooth | Fine to medium grain | Medium to coarse grain, dense |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, rhythmic; geometric/triangular |
| **Line** | n/a | n/a | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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 | | | | ■ | | | | ■ | | | ■ | |

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

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

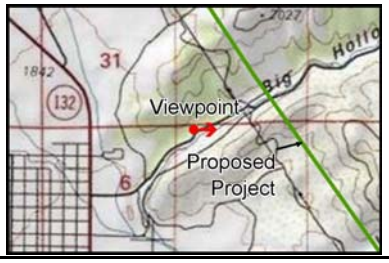
| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View northeast 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

| | |
|---|---|
| **Date:** | 5/12/2009 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 264 Big Hollow WMA Destination Route | Township: 14S<br>Range: 3E |  |
| **VRM Class/VQO:** III | Section: 5 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Domed, pyramidal, rolling | Dense vegetation transitioning to stippled areas along ridges | Vertical, rhythmic; geometric |
| **Line** | Diagonal, horizontal, curvilinear | Diagonal, butt to diffuse edges | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, light browns | Light and dark greens | Reflective, gray, dark brown |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Diagonal, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, light browns | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

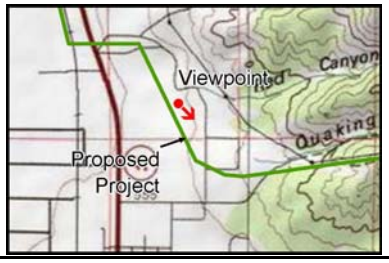
| | |
|---|---|
| **Date:** | 5/12/2009 |
| **BLM Field Office/National Forest:** | Richfield Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 12S | Location Sketch |
| **Key Observation Point** # 265 Interstate 15 (Nephi) | Range: 1E |   |
| **VRM Class/VQO:** n/a | Section: 28 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Angular, undulating, steep | Amorphous patches, stippled areas | Tall, vertical, geometric, transparent |
| **Line** | Diagonal, hard, rolling | Flowing, diffuse and butt edges | Vertical, complex |
| **Color** | Grays, tans | Dark greens, tans, gray-green | Dull gray |
| **Texture** | Fine to medium grain | Medium grain | Medium grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical, rhythmic and diminishing; complex |
| **Line** | Curvilinear, geometric | Bold, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/26/2011 |
| **BLM Field Office/National Forest:** | Fillmore Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Salt Lake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 266 U.S. Highway 6 (Spanish Fork Canyon) | Township: 9S<br>Range: 4E |  |
| **VRM Class/VQO:** n/a | Section: 27 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Bold, prominent, rugged | Amorphous patches, stippled areas | Vertical, thin, triangular |
| **Line** | Diagonal, undulating, bold | Complex, butt and diffuse edges | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans, grays | Greens, tans, seasonal variation | Grays, browns |
| **Texture** | Medium to coarse grain | Medium to coarse grain | Medium grain, medium to sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin, triangular |
| **Line** | Curvilinear, geometric | Angular, butt edge | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans, grays | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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 | | ■ | | | | ■ | | | | ■ | | |

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

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

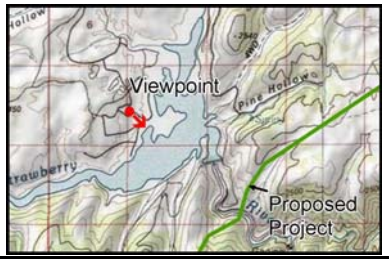
| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Salt Lake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 partially 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 267 Battle Flats Recreation Area (Strawberry Reservoir) | Township: 4S<br>Range: 10W |  |
| **VRM Class/VQO:** n/a | Section: 8 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, moderate slope | Diverse, numerous amorphous patches | Thin, vertical |
| **Line** | Curving, undulating, angular | Butt and diffuse edges | Thin, vertical; thin/weak concave (conductors) |
| **Color** | Tans, blues, reflective | Dark greens, sage greens, tans, seasonal variety | Dull gray |
| **Texture** | Medium grain | Medium to coarse grain | Uniform repeating medium grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Thin, vertical |
| **Line** | Curvilinear, geometric | Bold, butt edge | Thin, vertical; thin/weak concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray |
| **Texture** | 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 | | | ■ | | | | ■ | | | ■ | | |

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

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

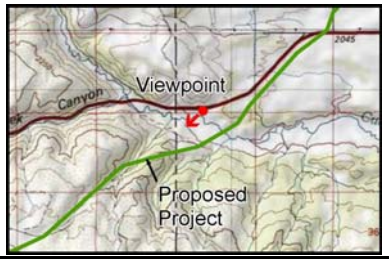
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 3S | Location Sketch |
| **Key Observation Point** # 268 U.S. Highway 40 Pullout (west of Fruitland) | Range: 9W |   |
| **VRM Class/VQO:** n/a | Section: 22 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, moderate slope | Diverse, numerous amorphous patches | Vertical, rhythmic; complex geometric/triangular |
| **Line** | Curving, undulating, angular | Butt and diffuse edges | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, reds | Dark greens, sage greens, tans, seasonal variety | Dull gray, transparent |
| **Texture** | Medium grain | Medium to coarse grain | Repeating coarse to medium grain and density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric tower pads and access through moderately steep slope | Geometric clearings with reestablished low vegetation | Bold, vertical, rhythmic; complex geometric/triangular |
| **Line** | Thin diagonal, horizontal | Diagonal and horizontal butt edges created at clearing | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 3S | Location Sketch |
| **Key Observation Point** # 269 Fruitland residential | Range: 9W |   |
| **VRM Class/VQO:** n/a | Section: 23 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Horizontal, level to rolling | Low indistinct patches, stippled areas | Vertical, rhythmic and diminishing; geometric |
| **Line** | Weak, horizontal, undulating, continuous | Indistinct, weak diffuse edges | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans | Tans, browns, greens | Dull gray, transparent |
| **Texture** | Fine to medium grain | Fine to medium grain | Repeating/diminishing coarse to medium grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

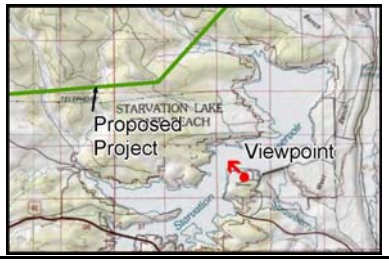
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 3S | Location Sketch |
| **Key Observation Point** # 270 Starvation Reservoir | Range: 5W |   |
| **VRM Class/VQO:** n/a | Section: 28 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Horizontal, angular | Amorphous patches, stippled areas | Vertical, geometric, cylindrical |
| **Line** | Horizontal, diagonal, parallel | Diffuse to bold edges from juniper stands | Vertical |
| **Color** | Tans, reds, blues | Light tan (grasses), dark green (juniper) | Reflective, gray, tans |
| **Texture** | Fine to medium texture | Medium grain, uneven/random | Uniform repeating medium grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Thin, vertical |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Thin, vertical; thin/weak concave (conductors) |
| **Color** | Tans, reds | Sage greens, tans | Dull gray |
| **Texture** | 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 | | | | | | | | | | | | |

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

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

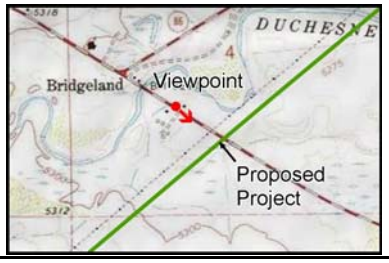
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 4S | Location Sketch |
| **Key Observation Point** # 271 Bridgeland residential | Range: 3W |   |
| **VRM Class/VQO:** n/a | Section: 4 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, indistinct | Amorphous, irregular | Vertical, geometric |
| **Line** | Horizontal, curving | Butt edge between riparian vegetation and agricultural fields | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, grays | Variety of greens (deep greens, sage greens, medium greens) and | Gray, brown |
| **Texture** | Fine grain | Fine to medium grain | Coarse grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans, grays | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

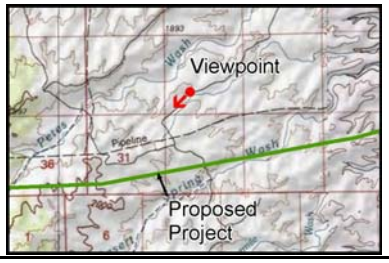
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 272 Sand Wash North Destination Route | Township: 10S<br>Range: 17E |  |
| **VRM Class/VQO:** IV | Section: 29 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat/rolling, simple | Low, amorphous patches and stippled areas | n/a |
| **Line** | Horizontal, undulating | Diffuse and butt edges between shrubland and grasslands | n/a |
| **Color** | Monotone, beige, tans | Subtle, greens/yellows | n/a |
| **Texture** | Fine to medium grain | Fine grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Beige, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

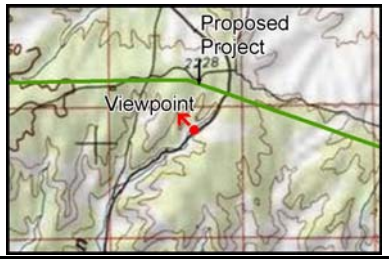
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 1 mile and would produce a moderate/strong contrast with existing structural elements of form, line, color, and texture.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 273 Nine Mile Canyon Scenic Backway | Township: 11S<br>Range: 15E |  |
| **VRM Class/VQO:** III | Section: 9 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Horizontal, rounded | Stippled, regular | n/a |
| **Line** | Continuous, horizontal, angular | Diffuse edges, continuous | n/a |
| **Color** | Tans | Light tan (grasses), dark green (juniper) | n/a |
| **Texture** | Fine to medium grain | Medium grain, dense | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical; complex geometric/triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

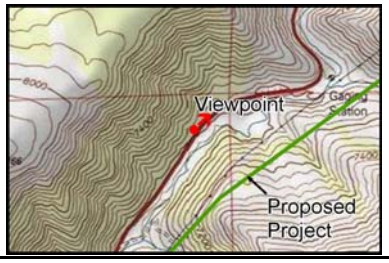
| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 0.4 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 274 Indian Canyon Scenic Byway (U.S. Highway 191) | Township: 12S<br>Range: 10E |  |
| **VRM Class/VQO:** n/a | Section: 21 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Vertical, prominent, v-shaped | Amorphous patches, pyramidal | Vertical, geometric |
| **Line** | Bold, diagonal, rugged | Irregular, broken, vertical, butt edge (existing right-of-way) | Vertical, concave/horizontal |
| **Color** | Grays, tans (little exposed soil) | Greens, tans, seasonal variation | Brown |
| **Texture** | Coarse grain | Medium grain | Ordered, fine grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal, geometric pads for towers, blocky | Geometric, rectangular | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Angular, bold, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Grays, tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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 | | ■ | | | | ■ | | | | ■ | | |

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

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

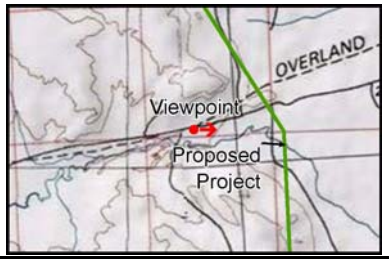
*View northeast from Indian Canyon Scenic Byway (U.S. Highway 191), Utah*

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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 17N | Location Sketch |
| **Key Observation Point** # 275 Overland Historic Trail | Range: 94W | |
| **VRM Class/VQO:** III | Section: 21 | |




## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Gently rolling to flat, level | Low, amorphous patches | Cylindrical, low |
| **Line** | Undulating horizontal, continuous | Irregular, diffuse, indistinguishable to butt edge (at road) | Short vertical and horizontal |
| **Color** | Browns, tans, grays (road) | Greens, tans, yellows | Dark, dull green, tans |
| **Texture** | Fine grain | Fine to medium grain | Fine grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric/horizontal clearings for tower pads and access | Geometric portions for tower pads and access | Vertical; complex, triangular, geometric |
| **Line** | Undulating horizontal | Creating butt edge at clearing | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Browns | Low growing greens, tans, yellows | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Uniform coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

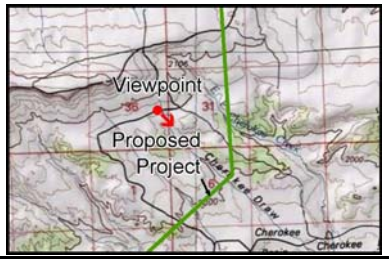
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 is 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

| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 13N | Location Sketch |
| **Key Observation Point** # 276 Cherokee Historic Trail | Range: 94W |   |
| **VRM Class/VQO:** III | Section: 31 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Low, rolling | Indistinct, amorphous and geometric patches, some stippled | n/a |
| **Line** | Undulating, layered, horizontal | Indistinct, diffuse and butt edges | n/a |
| **Color** | Browns, tans | Greens, yellows, sage, tan | n/a |
| **Texture** | Fine grain | Fine to medium grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Low, rolling | Geometric, horizontal cleared portions for tower pads and access | Vertical, rhythmic; geometric/triangular |
| **Line** | Undulating horizontal, diagonal | Creating butt horizontal and diagonal edges at clearings | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Greens, yellows, tan from remaining/reseeded vegetation | Dull gray, transparent |
| **Texture** | 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?**

No

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 5/3/2013 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View southeast towards Cherokee Historic Trail through the Cherokee Basin, Wyoming*

Moderate/strong contrast would result form 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

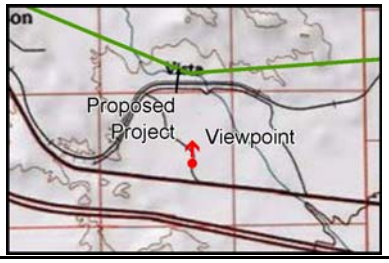
**Project Name:**
Energy Gateway South Transmission Project

**Key Observation Point**
# 279 Old Spanish National Historic Trail (near Thompson Springs)

**VRM Class/VQO:**
III

**Location:**
Township: 21S
Range: 20E
Section: 26

Location Sketch




## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, smooth, prominent Book Cliffs in background | Short, patchy | Vertical, regular |
| **Line** | Horizontal | Angular, broken, diffuse edges | Vertical, horizontal |
| **Color** | Tans, grays | Gray-greens, tans, browns, dull | Grays |
| **Texture** | Fine grain | Even, fine grain | Fine textured, medium density, ordered |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

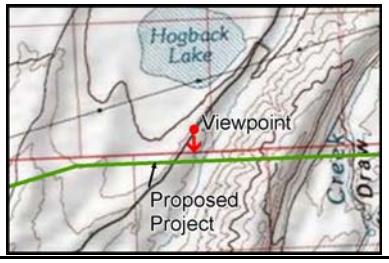
| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 281 Rawlins to Baggs Historic Trail | Township: 21N<br>Range: 88W |  |
| **VRM Class/VQO:** III | Section: 34 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, level to diagonal and pyramidal, concave sloping | Low, amorphous patches | n/a |
| **Line** | Horizontal, diagonal | Irregular, diffuse and indistinguishable to butt edge (at | n/a |
| **Color** | Browns, tans, light gray (road) | Greens, tans, yellows | n/a |
| **Texture** | Fine grain | Fine to medium grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Geometric clearing cut into slope for tower pad(s) and access | Cleared geometric portions for tower pads and access | Vertical, rhythmic; complex geometric/triangular |
| **Line** | Horizontal, diagonal | Creating butt edge with clearing | Diagonal, horizontal; concave (conductors) |
| **Color** | Contrasting tans from soil disturbance/exposure for clearings | Remaining or reestablished low vegetation, greens, tans, yellows | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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 0.25 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

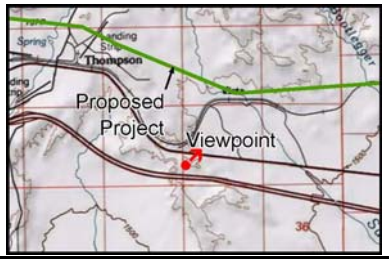
**Project Name:**
Energy Gateway South Transmission Project

**Key Observation Point**
**# 282** I-70 Thompson Welcome Center (Dinosaur Diamond SB)

**VRM Class/VQO:**
III

**Location:**
Township: 21S
Range: 20E
Section: 26

Location Sketch




## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Moderate slopes, plateaus, level Book Cliffs prominent in background | Indistinct, patches, stippled | n/a |
| **Line** | Horizontal, broken diagonal | Indistinct, irregular | n/a |
| **Color** | Tans, browns | gray-greens | n/a |
| **Texture** | Fine to medium grain | Medium grain, sparse/even | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

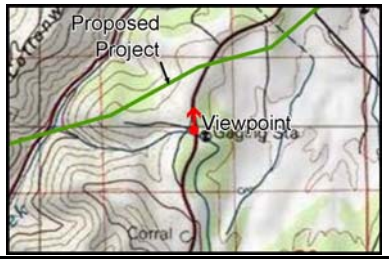
| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 13S | Location Sketch |
| **Key Observation Point** # 283 Energy Loop Scenic Byway (Utah State Route 31) | Range: 5E |   |
| **VRM Class/VQO:** n/a | Section: 26 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, rolling | Vertical, complex, amorphous | n/a |
| **Line** | Curving, continuous | Flowing, complex, irregular | n/a |
| **Color** | Tans, grays | Vivid, greens, tans, whites seasonal color | n/a |
| **Texture** | Smooth | Dense, medium grain | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 13S | Location Sketch |
| **Key Observation Point** # 284 Energy Loop Scenic Byway (Utah State Route 264) | Range: 6E |   |
| **VRM Class/VQO:** Partial Retention | Section: 30 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Domed, diagonal, rounded | Vertical, pyramidal, amorphous | n/a |
| **Line** | Curving, continuous | Flowing, complex, irregular, butt edge | n/a |
| **Color** | Tans | Tans, greens, seasonal color | n/a |
| **Texture** | Medium grain | Medium grain, stippled, scattered | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Bold, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

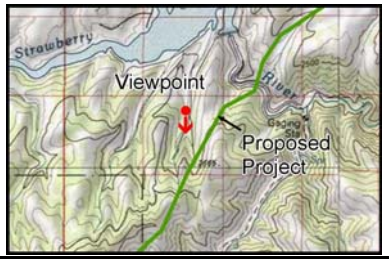
| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 4S | Location Sketch |
| **Key Observation Point** # 285 Aspen Grove Campground | Range: 10W |   |
| **VRM Class/VQO:** n/a | Section: 20 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, moderate slope | Diverse, numerous amorphous dense patches | Low, rectangular |
| **Line** | Curving, undulating, angular | Butt and diffuse edges | Horizontal and vertical |
| **Color** | Tans, limited exposed soil | Dark greens, sage greens, tans, seasonal variety | Greens and browns |
| **Texture** | Medium grain | Medium to coarse grain | Medium grain |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Tall, vertical, geometric, transparent |
| **Line** | Geometric, curvilinear | Bold, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, additional exposed soil | Tans, gray-green | Dull gray, transparent |
| **Texture** | Fine grain | Fine to medium 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

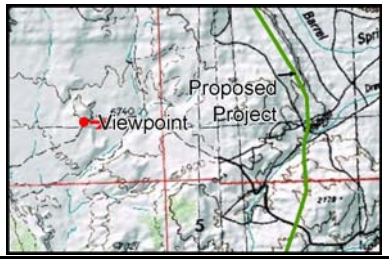
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/24/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 286 Adobe Town WSA Destination Route (BLM Road 4411 ) | Township: 16N<br>Range: 95W |  |
| **VRM Class/VQO:** III | Section: 22 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Indistinct, low, rolling | Indistinct, with areas of stippling and clumping | Cylindrical |
| **Line** | Gently curving, horizontal | Indistinct, weak diffuse edges, weak butt edge (at road) | Weak vertical and horizontal silhouette |
| **Color** | Browns, tans | Greens, tans, yellow, grays | Tan |
| **Texture** | Fine to medium grain | Fine to medium grain | Fine grain, sparse, random |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin vertical |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/24/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 287 Moffat County Road 10 (views to Cross Mountain) | Township: 7N<br>Range: 97W |  |
| **VRM Class/VQO:** III | Section: 23 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, level, rugged blocky | Indistinct, stippled | n/a |
| **Line** | Straight and undulating horizontal, diagonal | Diffuse and indistinguishable with butt edges (at roads) | n/a |
| **Color** | Browns, tans, grays | Greens, tans, yellow | n/a |
| **Texture** | Fine to coarse grain | Fine to medium grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 288 Colorado State Highway 13 (views to Bakers Peak) | Township: 12N<br>Range: 91W |  |
| **VRM Class/VQO:** III | Section: 8 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Indistinct, low, rolling, blocky | Indistinct, clumping with areas of stippling | Thin vertical, geometric, rectangular (buildings) |
| **Line** | Gently curving, straight and undulating horizontal | Indistinct, weak diffuse edges and butt edges (at roads, fence lines) | Vertical, diagonal, horizontal |
| **Color** | Browns, tans | Greens, tans, yellow | Subtle grays, browns, whites |
| **Texture** | Fine grain | Fine to medium grain | Fine grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Minimal disturbance for geometric tower pads and access through flat | Cleared geometric patches of low reestablished vegetation at tower | Vertical, thin, triangular |
| **Line** | Diagonal | Diagonal | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans | Tans, greens | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Uniform medium grain, medium to sparse density |

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

| | |
|---|---|
| **Date:** | 9/28/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*View south from Wyoming-Colorado Border on Colorado State Highway 13*

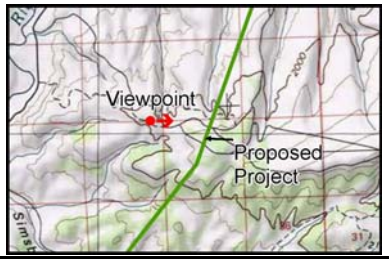
Weak/moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape designated by the BLM as VRM Class III as viewed from the Wyoming/Colorado border on Colorado State Highway 13. The proposed Project would cross flat to slightly rolling terrain 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 8N | Location Sketch |
| **Key Observation Point** # 289 Godiva Rim | Range: 97W | |
| **VRM Class/VQO:** III | Section: 20 | |




## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, moderate slopes | Amorphous patches and clumped groupings | n/a |
| **Line** | Diagonal, curving | Bold butt and Indistinct to weak diffuse edges a | n/a |
| **Color** | Tans, beige | Greens, tans, grays, yellow, tan | n/a |
| **Texture** | Fine to medium grain | Medium to coarse | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Thin continuous diagonal and geometric clearings for tower pads | Thin continuous diagonal patch(es) of low reestablished vegetation at | Vertical, rhythmic; geometric/triangular |
| **Line** | Diagonal | Diagonal thin butt edge at clearing for access and tower pads | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans | Greens, tans | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Repeating coarse to medium grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

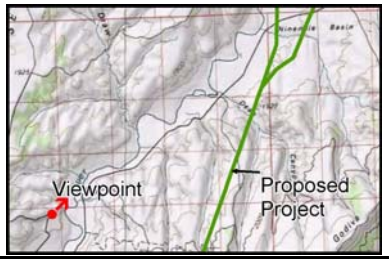
| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 290 Moffat County Road 75 (recreation access) | Township: 10N<br>Range: 97W |  |
| **VRM Class/VQO:** III | Section: 11 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | FG: Low, rugged, blocky, braided<br>BG: Indistinct, low, rolling | FG: Indistinct, amorphous with areas of stippling | n/a |
| **Line** | FG: Irregular, angular, banding, curving | FG: Indistinct, diffuse<br>BG: Curvilinear, weak diffuse edges | n/a |
| **Color** | FG: Browns, tans, reflective<br>BG: Browns, tans | FG: Sage greens, tans<br>BG: Dark greens, sage greens, tans | n/a |
| **Texture** | FG: Smooth, medium to coarse grain<br>BG: Fine grain | FG: Medium grain<br>BG: Fine to medium grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Thin, vertical |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical |
| **Color** | Browns, tans | Sage greens, tans | Dull gray |
| **Texture** | Fine grain | Fine grain | 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?**

No

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

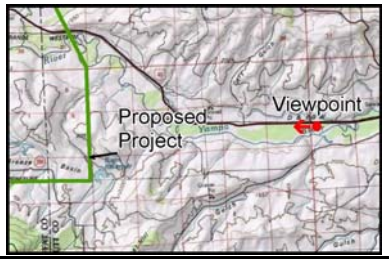
| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** **# 291** Yampa River State Park | Township: 6N<br>Range: 88W |  |
| **VRM Class/VQO:** n/a | Section: 7 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat to gently rolling | Amorphous and geometric patches, Clumped vertical/tall | Thin vertical, geometric/rectangular |
| **Line** | Horizontal, diagonal | Butt edges | Vertical, broken horizontal |
| **Color** | Light browns | Greens, yellow, tans, browns | Grays, brown |
| **Texture** | Fine grain | Fine to coarse grain | Medium grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | n/a |
| **Line** | n/a | n/a | n/a |
| **Color** | n/a | n/a | n/a |
| **Texture** | n/a | n/a | n/a |

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

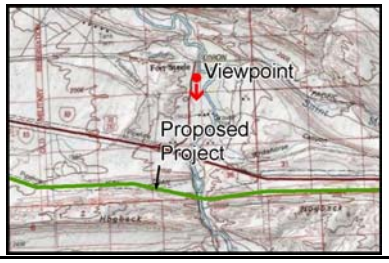
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/7/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 21N | Location Sketch |
| **Key Observation Point** # 295 Fort Steele Historic Site | Range: 85W |   |
| **VRM Class/VQO:** III | Section: 23 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Low blocky to flat | Band/strip, amorphous and geometric patches | Thin vertical and horizontal, geometric/rectangular |
| **Line** | Undulating horizontal, diagonal | Diffuse and butt edges | Vertical, horizontal, diagonal |
| **Color** | Browns, tans | Dull and dark greens, yellows | Browns, subtle grays, greens, whites, reds |
| **Texture** | Fine to medium grain | Fine to coarse grain | Coarse grain, medium density groupings |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin, vertical; thin/weak concave (conductors) |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | 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

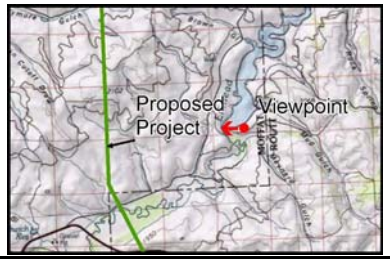
| | |
|---|---|
| **Date:** | 10/7/2011 |
| **BLM Field Office/National Forest:** | Rawlins Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 7N | Location Sketch |
| **Key Observation Point** # 297 Elkhead Reservoir Campground | Range: 89W |   |
| **VRM Class/VQO:** n/a | Section: 16 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Gently sloping, rolling, Flat | Low, amorphous patches, stippled in areas | Bold geometric |
| **Line** | Gently curving, undulating and straight horizontal | Diffuse ad butt edges | Straight, angular, vertical diagonal |
| **Color** | Browns, grays, bluish-gray, reflective | Variations of greens, yellow, tan, browns | Browns, tans, black |
| **Texture** | Fine grain, smooth | Fine to medium grain | Coarse grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin, vertical; thin/weak concave (conductors) |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

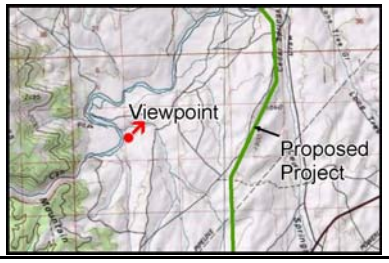
| | |
|---|---|
| **Date:** | 9/29/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 299 Yampa River Access for Cross Mountain | Township: 6N<br>Range: 97W |  |
| **VRM Class/VQO:** III | Section: 8 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Indistinct, low rolling, blocky | Indistinct, amorphous and geometric patches, areas of stippling | n/a |
| **Line** | Gently curving, sloping horizontal, layered horizontal | Butt edge (at road) to weak diffuse edges | n/a |
| **Color** | Browns, tans, reds | Greens, tans, yellow | n/a |
| **Texture** | Fine to medium gain | Fine grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Thin, vertical |
| **Line** | n/a | n/a | Thin, vertical; thin/weak concave (conductors) |
| **Color** | n/a | n/a | Dull gray |
| **Texture** | 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

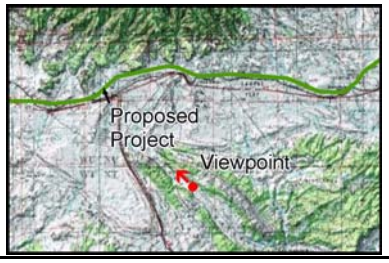
| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 301 Arches National Park (Salt Valley Road) | Township: 23S<br>Range: 20E |  |
| **VRM Class/VQO:** III | Section: 14 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | FG: Flat, smooth<br>BG: Bold and rectangular | FG: Short and uniform<br>BG: Scattered and diffuse | n/a |
| **Line** | FG: Horizontal<br>BG: Horizontal banding, angular | FG: Indistinct, weak<br>BG: Angular, broken, diffuse edges | n/a |
| **Color** | FG: Reds<br>BG: Reds, tans | FG: Tans grasses, green shrubs<br>Gray-greens, dull | n/a |
| **Texture** | FG: Smooth<br>BG: Moderate to rough textures | FG: Even, medium grain<br>BG: Rough textured scattered | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | n/a |
| **Line** | n/a | n/a | n/a |
| **Color** | n/a | n/a | n/a |
| **Texture** | n/a | n/a | n/a |

## Degree of Contrast

| Degree of Contrast | | Features: Landform/Water Body Strong | Moderate | Weak | None | Vegetation Strong | Moderate | Weak | None | Structures 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

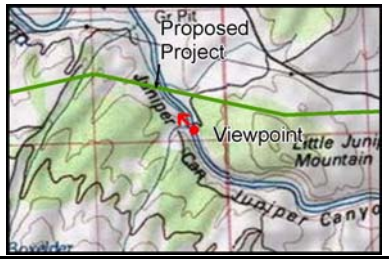
| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/14/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 6N | Location Sketch |
| **Key Observation Point** # 302 Yampa River (Juniper Canyon) | Range: 95W |   |
| **VRM Class/VQO:** III | Section: 12 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Bold meandering band, rugged/blocky, V-shaped | Amorphous patch, strips, stippled | Vertical; complex geometric/triangular |
| **Line** | Curving, angular, jagged, diagonal, horizontal | Weak, indistinct | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, browns, blue, reflective | Greens, yellow, tan | Gray, transparent |
| **Texture** | Medium to coarse grain to smooth | Medium grain | Medium to coarse grain, medium density |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

| | |
|---|---|
| **Date:** | 9/14/2011 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 9S | Location Sketch |
| **Key Observation Point** # 304 Sheep Creek Road (FR 042) | Range: 6E |   |
| **VRM Class/VQO:** Partial Retention | Section: 15 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Bold, prominent, rugged | Geometric and amorphous patches, stippled in areas | Vertical, rhythmic; complex geometric/triangular |
| **Line** | Diagonal, undulating, bold | Irregular and regular butt edges, diffuse edges | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Subtle, tans, grays | Dark green, grays (trees), light green and tans (grasses) | Gray, transparent |
| **Texture** | Medium to coarse grain | Medium to coarse grain | Repeating coarse to medium grain and density |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

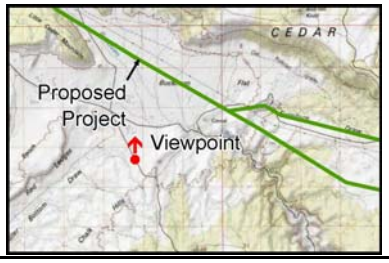
| | |
|---|---|
| **Date:** | 9/30/2011 |
| **BLM Field Office/National Forest:** | Uinta National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 305 Wedge Overlook Scenic Backway | Township: 19S<br>Range: 10E |  |
| **VRM Class/VQO:** III | Section: 22 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, smooth, Cedar Mountain prominent in background | Short, patchy | Thin, vertical |
| **Line** | Horizontal | Angular, broken, diffuse edges | Vertical |
| **Color** | Tans, beiges | Gray-greens, dull | Brown |
| **Texture** | Fine grain | Even, medium grain | Uniform repeating fine grain, medium to sparse density, ordered |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, thin, triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal; thin/weak concave (conductors) |
| **Color** | Tans, beiges | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 306 Upper Colorado River Scenic Byway | Township: 21S<br>Range: 23E |  |
| **VRM Class/VQO:** II | Section: 32 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, smooth, Book Cliffs prominent in background | Short, patchy | n/a |
| **Line** | Horizontal, elevated railroad line | Angular, broken, diffuse edges | n/a |
| **Color** | Tans, beiges, grays | Tans, gray-greens, dull | n/a |
| **Texture** | Fine grain | Even, medium grain | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 9/27/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 13S | Location Sketch |
| **Key Observation Point** # 307 Energy Loop Scenic Byway | Range: 6E |   |
| **VRM Class/VQO:** Partial Retention | Section: 27 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Diagonal, bold, rounded | Vertical, complex, pyramidal, amorphous | n/a |
| **Line** | Curving, continuous, angular | Flowing, complex, irregular, butt edge in background (right-of-way | n/a |
| **Color** | Tans | Vivid, tans, greens, gray-green | n/a |
| **Texture** | Medium grain | Coarse, stippled, scattered | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

| | |
|---|---|
| **Date:** | 9/27/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

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

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 16S | Location Sketch |
| **Key Observation Point** # 308 Millers Flat Road | Range: 6E |   |
| **VRM Class/VQO:** Modification | Section: 16 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, diagonal, bold | Vertical, complex, pyramidal, amorphous | Vertical, geometric, transparent |
| **Line** | Curving, continuous | Butt edge, flowing, complex, irregular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, grays | Vivid, greens, tans, seasonal variation | Brown, gray, transparent |
| **Texture** | Medium grain | Medium to coarse grain, dense | Uniform medium grain, medium density, |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, thin; geometric, triangular |
| **Line** | Curvilinear, geometric | Horizontal, bold, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans, grays | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 9/27/2011 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 16S | Location Sketch |
| **Key Observation Point** # 309 Bear Creek Campground | Range: 7E |   |
| **VRM Class/VQO:** Partial Retention | Section: 35 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rugged, dissected, ridges | Amorphous, stippled areas | Vertical, rhythmic; geometric/triangular |
| **Line** | Complex, diagonal, horizontal banding | Butt and diffuse edges | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans, grays | Light and dark greens, tans | Brown, reflective gray |
| **Texture** | Medium to coarse grain | Medium to coarse grain | Repeating fine to medium grain, medium density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Diagonal, butt edge | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans, grays | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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

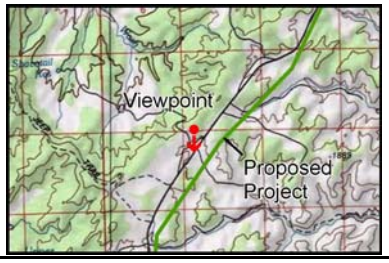
| | |
|---|---|
| **Date:** | 7/26/2012 |
| **BLM Field Office/National Forest:** | Manti-La Sal National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 310 Crooks Brand Rock Art Site | Township: 1S<br>Range: 102W |  |
| **VRM Class/VQO:** IV | Section: 8 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Horizontal, rounded | Amorphous patches | Cylindrical |
| **Line** | Continuous, horizontal | Diffuse to butt edges from juniper stands | Vertical |
| **Color** | Browns, tans | Light tan (grasses), dark green (juniper) | Tans |
| **Texture** | Fine to medium grain | Fine to patchy, coarse | Fine grain |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Butt edge, broken, regular | Vertical/diagonal; thin concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | White River Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 312 Rabbit Valley Dispersed Campsite | Township: 10S<br>Range: 104W |  |
| **VRM Class/VQO:** IV | Section: 17 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Shallow slopes, undulating | Indistinct, patches, stippled | n/a |
| **Line** | Horizontal, broken diagonal | Indistinct | n/a |
| **Color** | Tans | Tans, gray greens, dark greens | n/a |
| **Texture** | Fine to medium grain | Medium grain | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal, horizontal; weak concave (conductors) |
| **Color** | Tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/11/2011 |
| **BLM Field Office/National Forest:** | Grand Junction Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 313 Interstate 70 crossing | Township: 21S<br>Range: 17E |  |
| **VRM Class/VQO:** III | Section: 28 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rolling, horizontal, plateaus | Few, stippled | n/a |
| **Line** | Horizontal, curving, diagonal, angular | Weak diffuse, indistinct | n/a |
| **Color** | Tans, grays, reds | Tans, greens | n/a |
| **Texture** | Medium to course grain | Fine grain | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/4/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 314 Little Grand Canyon Overlook | Township: 20S<br>Range: 10E |  |
| **VRM Class/VQO:** III | Section: 12 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, smooth, Cedar Mountain prominent in background | Short, patchy, stippled | Thin, vertical |
| **Line** | Horizontal, angular | Angular, broken, diffuse edges | Thin Vertical |
| **Color** | Tans, reds, beiges | Dark greens, gray-greens | Brown |
| **Texture** | Fine grain | Even, medium grain | Fine grain, medium density, ordered |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Thin, vertical |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Thin vertical |
| **Color** | Tans, beiges | Sage greens, tans | Dull gray |
| **Texture** | Fine grain | Fine grain | Uniform repeating medium to fine 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

| | |
|---|---|
| **Date:** | 10/4/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Ashley National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 315 Sowers Canyon Road | Township: 6S |   |
| **VRM Class/VQO:** Modification | Range: 5W | |
| | Section: 8 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | V-shaped, bold, steep, level valley | Numerous, irregular | Vertical, geometric |
| **Line** | Diagonal, angular, jagged, horizontal | Butt and diffuse edges | Vertical, horizontal; concave (conductors) |
| **Color** | Tans, beiges | Variety of greens, tans, little seasonal variation | Brown |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Bold, vertical, rhythmic; complex geometric/triangular |
| **Line** | Geometric, curvilinear | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, beiges | Tans, gray-greens | Dull gray, transparent |
| **Texture** | Fine grain | Fine to medium grain | Repeating coarse to medium grain and density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 5/2/2013 |
| **BLM Field Office/National Forest:** | Ashley National Forest |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/24/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** Township: 21S | Location Sketch |
| **Key Observation Point** # 319 Green River | Range: 16E |   |
| **VRM Class/VQO:** III | Section: 34 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Curving band(river), rolling to level | Continuous strip of riparian vegetation, small stippled beyond | Vertical, geometric |
| **Line** | Complex, diagonal, horizontal | Undulating, weak, diffuse edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans, reds, reflective | Variety of greens, browns | Brown |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical; complex, triangular, geometric |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Browns, tans, reds | Sage greens, tans | Dull gray, transparent |
| **Texture** | Fine grain | Fine grain | Repeating coarse grain, medium density |

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 7/24/2012 |
| **BLM Field Office/National Forest:** | Moab Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

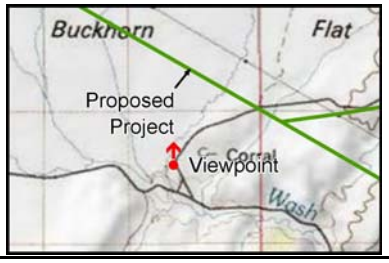
*View southeast from the Green River north of Crystal Geyser, Utah*

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

| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 320 Junction of Road to Buckhorn Wash | Township: 19S<br>Range: 10E |  |
| **VRM Class/VQO:** III | Section: 13 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Flat, smooth, Cedar Mountain prominent in background | Short, patchy | Vertical, geometric |
| **Line** | Horizontal | Angular, broken, diffuse edges | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, beiges, reds | Gray-greens, dull | Brown |
| **Texture** | Fine grain | Even, medium grain | Fine grain, medium density, repeating |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, beiges | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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?**

Yes

**Additional mitigating measures recommended?**

No

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

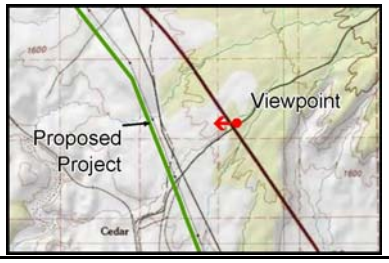
| | |
|---|---|
| **Date:** | 10/4/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 322 U.S. Highway 6 Rest Area (Dinosaur Diamond SB) | Township: 16S<br>Range: 13E |  |
| **VRM Class/VQO:** IV | Section: 23 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Shallow to moderate slopes, rolling | Indistinct, amorphous, stippled | Vertical, geometric |
| **Line** | Horizontal, diagonal, undulating | Indistinct, regular | Thin vertical, angular, horizontal |
| **Color** | Tans | Dark greens, tans | Brown |
| **Texture** | Fine to medium grain | Medium grain, grouped | Medium grain, sparse |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | n/a | n/a | Vertical, thin; geometric, triangular |
| **Line** | n/a | n/a | Vertical/diagonal; thin concave (conductors) |
| **Color** | n/a | n/a | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 10/5/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 323 Old Railroad Grade (adjacent to Mexican Mountain WSA) | Township: 20S<br>Range: 13E |  |
| **VRM Class/VQO:** III | Section: 11 | |

## Characteristic Landscape Description

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

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

| | |
|---|---|
| **Date:** | 10/12/2011 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 324 Dinosaur Diamond SB (U.S. HWY 6 N of Woodside) | Township: 18S<br>Range: 14E |  |
| **VRM Class/VQO:** III | Section: 4 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | FG: Rolling, smooth<br>BG: Bold, vertical, rugged | FG: Short, patchy<br>BG: Few, stippled | Vertical, geometric |
| **Line** | FG: Undulating, angular<br>BG: Horizontal banding, diagonal, | FG: Angular, broken, diffuse edges<br>BG: Weak diffuse, indistinct | Angular, concave, horizontal |
| **Color** | FG: Tans, beiges<br>BG: Tans, grays, reds | FG: Gray-greens, brighter greens along riparian corridor | Brown |
| **Texture** | FG: Fine grain<br>BG: Banded, medium grain | FG: Random, medium grain<br>BG: Fine to medium grain | Medium grain, dense, matted, uniform, ordered |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Vertical, rhythmic and diminishing; geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans, beiges | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

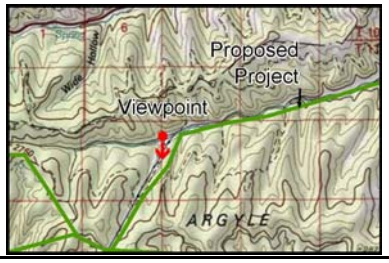
| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 9/28/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 325 Argyle Canyon Residences | Township: 11S<br>Range: 11E |  |
| **VRM Class/VQO:** n/a | Section: 9 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rounded, moderate slope | Numerous, irregular | Vertical, geometric |
| **Line** | Curving, undulating, angular | Broken, flowing, vertical, angular | Vertical, horizontal, concave (conductors) |
| **Color** | Tans | Variety of greens, tans, seasonal variation | Browns |
| **Texture** | Medium grain | Random, scattered, medium to coarse grain | Medium grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical, rhythmic and diminishing; complex |
| **Line** | Curvilinear, geometric | Angular, bold, butt edge | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Tans and grays | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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 | | ■ | | | | ■ | | | ■ | | | |

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

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

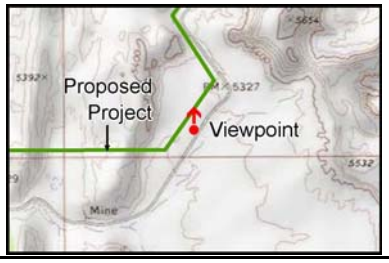
| | |
|---|---|
| **Date:** | 9/28/2012 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 326 San Rafael Swell Destination Route | Township: 19S<br>Range: 10E |  |
| **VRM Class/VQO:** III | Section: 13 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rugged, rolling, geometric | Indistinct, patches, stippled | n/a |
| **Line** | Horizontal, diagonal, angular, undulating | Indistinct | n/a |
| **Color** | Reds, browns, tans | Tans, dark greens | n/a |
| **Texture** | Fine to medium grain, striated | Fine to medium grain, uneven random | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Low, rectangular clearings (tower pads) | Bold, vertical; complex geometric/triangular |
| **Line** | Curvilinear, geometric | Indistinct, broken, regular | Vertical/diagonal, horizontal; concave (conductors) |
| **Color** | Browns, tans | Sage greens, tans | Dull gray, transparent |
| **Texture** | 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

| | |
|---|---|
| **Date:** | 7/23/2012 |
| **BLM Field Office/National Forest:** | Price Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Ashley National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** **# 327** Avintaquin Campground | Township: 7S |   |
| **VRM Class/VQO:** Retention | Range: 8W | |
| | Section: 10 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Diagonal, rounded | Vertical, complex, pyramidal, amorphous | n/a |
| **Line** | Curving, continuous | Flowing, complex, irregular | n/a |
| **Color** | Tans, grays | Vivid, greens, tans, seasonal variation | n/a |
| **Texture** | Medium grain | Coarse grain, dense | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | Degree of Contrast | Features: Landform/Water Body Strong | Landform/Water Body Moderate | Landform/Water Body Weak | Landform/Water Body None | Vegetation Strong | Vegetation Moderate | Vegetation Weak | Vegetation None | Structures Strong | Structures Moderate | Structures Weak | Structures 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

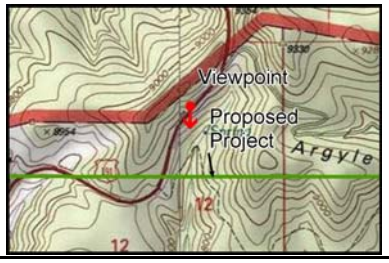
| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Ashley National Forest |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 328 Indian Canyon Scenic Byway (U.S. Highway 191) | Township: 11S<br>Range: 10E |  |
| **VRM Class/VQO:** n/a | Section: 12 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Diagonal, bold, rounded, level | Vertical, complex, pyramidal, amorphous | n/a |
| **Line** | Curving, continuous, angular, horizontal | Flowing, complex, irregular | n/a |
| **Color** | Tans, grays | Vivid, greens, tans, seasonal variation, grays | n/a |
| **Texture** | Medium to coarse grain | Coarse, dense | n/a |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical; complex geometric/triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 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

| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 329 Reservation Ridge Scenic Backway | Township: 7S<br>Range: 8W |  |
| **VRM Class/VQO:** III | Section: 9 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Diagonal, rounded, undulating | Vertical, complex, pyramidal, amorphous | n/a |
| **Line** | Curving, continuous | Flowing, complex, irregular | n/a |
| **Color** | Tans, grays | Vivid, variety of green, white, tans, seasonal variation, grays | n/a |
| **Texture** | Medium to coarse grain | Dense, fine (understory) to coarse (overstory) grain | n/a |

## Proposed Activity Description (Facility)

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

## Degree of Contrast

| | | Features | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landform/ Water Body | | | | Vegetation | | | | Structures | | | |
| Degree of Contrast | | 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

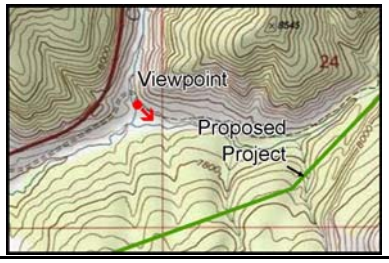
| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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

| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 330 Dispersed residences north of Emma Park | Township: 11S<br>Range: 10E |  |
| **VRM Class/VQO:** n/a | Section: 23 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Bold, rounded, level ridgetops and valley | Vertical, complex, pyramidal, amorphous | Low, geometric |
| **Line** | Curving, continuous, diagonal, horizontal | Flowing, complex, bands, irregular | Angular, vertical |
| **Color** | Tans, grays | Vivid green, tans, seasonal variation | Browns, black |
| **Texture** | 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 |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Bold, vertical; complex geometric/triangular |
| **Line** | Geometric, curvilinear | Angular, butt edge | Vertical/diagonal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

n/a

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

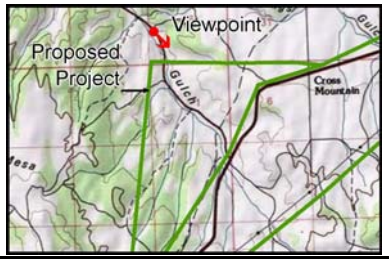
| | |
|---|---|
| **Date:** | 8/21/2013 |
| **BLM Field Office/National Forest:** | Vernal Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

*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 would cross rolling terrain and be visible in a partially backdropped condition with some towers mostly skylined. 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 incongruent with the existing landscape character. The proposed Project structures and conductors would be visible at approximately 0.5 mile and introduce strong structure contrast. 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.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/17/2014 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project<br>**Key Observation Point**<br>**# 331** Dinosaur NM (Deerlodge Road/Yampa Valley Trail)<br>**VRM Class/VQO:**<br>III | **Location:**<br>Township: 6N<br>Range: 98W<br>Section: 36 | Location Sketch<br>  |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Rolling, undulating | Stippled areas and amorphous patches | Thin, vertical |
| **Line** | Curving, angular | Butt to diffuse edges | Thin, vertical, concave (conductors) |
| **Color** | Tans | Dark greens, gray-green, tans | Brown, dull gray |
| **Texture** | Medium grain | Fine to medium grain | Medium grain |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical; complex, triangular, geometric |
| **Line** | Geometric, curvilinear | Angular, butt edge | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/17/2014 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

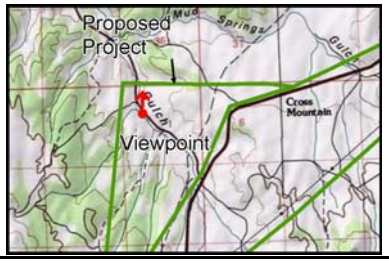
*View south from Deerlodge Road (Dinosaur National Monument), Colorado*

Moderate/strong to strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting viewed from Deerlodge Road, part of Dinosaur National Monument. The proposed Project crosses rolling terrain and would be skylined and partial screened by 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 but where visible, would produce weak/moderate landscape contrast. The proposed structures would be viewed from a level to slightly inferior viewing position approximately 0.5 mile away with the most apparent existing structural element being a distribution power line. Due to the scale of this existing power line, the Project would dominate views from this location. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance), #4 (minimize vegetation clearing), and #9 (maximize span length) would be applied but these would not reduce contrast associated with the introduction of the additional transmission structures.

Note, VRM Class III lands are viewed approximately 0.75 mile away where the Project would be partially to completely screened by topography. Due to this level of screening, the Project would be compliant with VRM Class III objectives.

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/17/2014 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

| | | |
|---|---|---|
| **Project Name:** Energy Gateway South Transmission Project | **Location:** | Location Sketch |
| **Key Observation Point** # 332 Dinosaur NM (Deerlodge Road) | Township: 5N |   |
| **VRM Class/VQO:** n/a | Range: 98W | |
| | Section: 1 | |

## Characteristic Landscape Description

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Horizontal, rounded | Amorphous patches | Low, geometric |
| **Line** | Continuous, horizontal | Diffuse to butt edges from juniper stands | Horizontal, diagonal |
| **Color** | Tans | Light tan, dark green | Grays, browns |
| **Texture** | Fine to medium grain | Fine to medium grain | Medium grain, sparse density |

## Proposed Activity Description (Facility)

| | Landform/Water | Vegetation | Structures |
|---|---|---|---|
| **Form** | Level, horizontal | Geometric, rectangular | Vertical; complex, triangular, geometric |
| **Line** | Geometric, curvilinear | Angular, butt edge | Diagonal, horizontal; thin concave (conductors) |
| **Color** | Tans | Tans, gray-green | Dull gray, transparent |
| **Texture** | 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?**

**Additional mitigating measures recommended?**

Yes

**Evaluator(s):**

EPG visual personnel

# VISUAL CONTRAST RATING WORKSHEET

| | |
|---|---|
| **Date:** | 10/17/2014 |
| **BLM Field Office/National Forest:** | Little Snake Field Office |
| **Resource Area:** | |
| **Activity (program):** | 500kV Transmission Project |

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

Moderate/strong to strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting viewed from Deerlodge Road, part of Dinosaur National Monument. The proposed Project crosses rolling terrain and would be skylined and partial screened by 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 but where visible, would produce weak/moderate landscape contrast. The proposed structures would be viewed from a level to slightly inferior viewing position approximately 0.5 mile away with the most apparent existing structural element being agricultural structures to the west of the road. Due to the scale of these buildings, the Project would dominate views from this location. To reduce contrast, selective mitigation measures #3 (minimize ground disturbance), #4 (minimize vegetation clearing), and #9 (maximize span length) would be applied but these would not reduce contrast associated with the introduction of the additional transmission structures.