

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	November 23, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mojave County Wind Project	4. Location	5. Location Sketch
2. Key Observation Point KOP 1 – U.S. 93 at Householder Pass – Alt. A	Township <u>28N</u>	
3. VRM Class IV for BLM land and NA for Bureau of Reclamation land	Range <u>17W</u>	
	Section <u>29</u>	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rolling, undulating Far: Bold, prominent, pyramidal	Near: Low, small with some taller interspersed vegetation. Far: Indistinct	Near: Tall, thin, angular Far: Tall, thin, angular
LINE	Near: Horizontal, flowing Far: Diagonal and horizontal with mountainous silhouettes	Near: Not present Far: Not present	Near: Vertical, horizontal, geometric Far: Vertical, horizontal, geometric
COLOR	Near: Brown, light tan Far: Brown, dark gray with bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan Far: Brown hues, indistinct	Near: Dark gray with light chromas Far: Dark gray with light chromas
TEXTURE	Near: Smooth to medium Far: Course, random	Near: Stippled, medium Far: Indistinct	Near: Uniform, smooth Far: Uniform, smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change Far: Possible simple geometric shapes created by cut/fill for pads and roads	Near: No Change Far: Linear	Near: No change Far: Tall, symmetrical, geometric, ordered, rotating
LINE	Near: No Change Far: Horizontal, broken to continuous	Near: No Change Far: Possibly bold to weak depending on viewing angle, straight to curving where visible, geometric where visible	Near: No change Far: Vertical, perpendicular, angular, geometric, ordered
COLOR	Near: No Change Far: Beige, tan. Depends upon color of gravel cover and depth of cut	Near: No Change Far: Contrasts created by vegetation clearing for roads and pads where visible	Near: No Change Far: White, contrasting
TEXTURE	Near: No Change Far: Smooth	Near: No Change Far: Directional, continuous or discontinuous depending on viewing angle	Near: No Change Far: Smooth, indistinct

SECTION D. CONTRAST RATING															
<input type="checkbox"/> SHORT TERM <input checked="" type="checkbox"/> LONG TERM															
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
ELEMENTS	Form			X			X			X				Evaluator's Names Date Richard Stuhan November 23, 2009 David Lawrence May, 18, 2011 David Konopka January 3, 2012	
	Line		X			X			X						
	Color			X		X			X						
	Texture			X			X				X				

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

Structure contrast is very strong due to the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades.

Vegetation contrast depends upon angle of view and success of vegetation restoration. Contrast could be weak to strong.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

UNITED STATES
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VISUAL CONTRAST RATING WORKSHEET

Date	January 3, 2012
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mojave County Wind Project	4. Location	5. Location Sketch
2. Key Observation Point KOP 2 – Entrance to Lake Mead NRA – Alt. A	Township <u>30N</u>	
3. VRM Class NA for Bureau of Reclamation land and Class IV for BLM land	Range <u>21W</u>	
	Section <u>23</u>	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Flat to rolling, undulating, triangular Far: Bold, prominent, pyramidal, conical, flat	Near: Low, rounded Far: Indistinct	Near: Tall, vertical, rolling, linear, parallel Far: Tall, vertical, geometric, parallel
LINE	Near: Horizontal, diagonal, parallel Far: Diagonal, horizontal, curvilinear	Near: Horizontal, soft Far: Not present	Near: Vertical, angular Far: Vertical, angular, geometric
COLOR	Near: Light brown, reddish tan, light gray Far: Brown, dark brown, tan with bluish hues caused by atmospheric conditions	Near: Olive, dark and light green, brown, tan Far: Brown hues, indistinct	Near: Dark gray to black, dark brown Far: Gray, brown
TEXTURE	Near: Course to indistinct, striated Far: Course to smooth, random, striated	Near: Stippled, medium Far: Medium to fine	Near: Smooth Far: Indistinct, smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Flat to rolling linear and curving cuts/fills for pads and roads Far: Simple linear shapes created by cut/fill for pads and roads	Near: Flat to rolling, linear Far: Linear	Near: Tall, vertical, symmetrical, ordered, rotating Far: Tall, vertical, symmetrical, ordered, rotating
LINE	Near: Horizontal to diagonal, straight to curving Far: Horizontal to diagonal, straight to curving	Near: Horizontal to diagonal, straight to curving Far: Horizontal to slightly diagonal, straight to slightly curving	Near: Vertical, perpendicular, angular, ordered Far: Vertical, perpendicular, angular, ordered
COLOR	Near: Light tan. Depends upon color of gravel cover and depth of cut Far: Light tan. Depends upon color of gravel cover and depth of cut	Near: Contrast between soil/gravel in cleared areas and vegetation Far: Contrast between soil/gravel in cleared areas and vegetation	Near: White, contrasting Far: White, contrasting
TEXTURE	Near: Fine to medium Far: Fine	Near: Directional Far: Directional	Near: Smooth Far: Smooth, indistinct

SECTION D. CONTRAST RATING													<input type="checkbox"/> SHORT TERM	<input checked="" type="checkbox"/> LONG TERM		
1. DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)			
	LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)							
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)			
ELEMENTS	Form		X			X				X						Evaluator's Names Date David Konopka January 3, 2012
	Line	X				X			X							
	Color			X		X			X							
	Texture			X		X					X					

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

Structure contrast is very strong due to the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades. There are mainly color and form contrasts between the turbines and the existing utility poles and transmission towers.

Vegetation contrast is strong due to distance and viewing angle

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

Eliminating the rows on the north end could slightly lessen the overall contrast, but it would still remain high.

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VISUAL CONTRAST RATING WORKSHEET

Date	November 23, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mojave County Wind Project	4. Location	5. Location Sketch
2. Key Observation Point KOP 4 – Temple Bar Road – Alt.A	Township _____ 28N	
3. VRM Class NA for Bureau of Reclamation land and Class IV for BLM land	Range _____ 17W Section _____ 29	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Flat to rolling, undulating Far: Bold, prominent, pyramidal, conical	Near: Low Far: Indistinct	Near: Tall, vertical Far: Tall, vertical
LINE	Near: Not present Far: Diagonal and curvilinear	Near: Horizontal Far: Not present	Near: Vertical, angular, geometric Far: Vertical, angular, geometric
COLOR	Near: Light brown, tan Far: Brown, dark brown, tan with bluish hues caused by atmospheric conditions	Near: Olive, dark and light green, brown Far: Brown hues, indistinct	Near: Dark gray to black Far: Dark gray to black
TEXTURE	Near: Course to indistinct Far: Course, random, striated	Near: Stippled, medium Far: Patchy	Near: Indistinct, smooth Far: Indistinct, smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change Far: Simple geometric shapes created by cut/fill for pads and roads	Near: No Change Far: Linear	Near: No change Far: Tall, vertical, symmetrical, geometric, ordered, rotating
LINE	Near: No Change Far: Horizontal to diagonal, straight to curving	Near: No Change Far: Horizontal to diagonal, straight to curving	Near: No Change Far: Vertical, perpendicular, angular, geometric, ordered
COLOR	Near: No Change Far: Light tan	Near: No Change Far: Contrast between soil/gravel in cleared areas and vegetation	Near: No Change Far: White, contrasting
TEXTURE	Near: No Change Far: Smooth	Near: No Change Far: Discontinuous	Near: No Change Far: Smooth, indistinct

SECTION D. CONTRAST RATING														
<input type="checkbox"/> SHORT TERM <input checked="" type="checkbox"/> LONG TERM														
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
ELEMENTS	Form			X			X			X				Evaluator's Names Date Richard Stuhan November 23, 2009 David Konopka January 3, 2012
	Line		X				X			X				
	Color			X			X			X				
	Texture			X				X				X		

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

Structure contrast is very strong due to the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades.

Vegetation contrast depends upon angle of view and success of vegetation restoration. Contrast could be weak to strong.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

The white cliffs to the north are a relatively unique scenic feature in the area and closer to Lake Mead NRA. Eliminating the rows on the north end could slightly lessen the overall contrast, but it would still remain high.

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VISUAL CONTRAST RATING WORKSHEET

Date	November 23, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION

1. Project Name BP Mojave County Wind Project	4. Location Township <u>28N</u> Range <u>17W</u> Section <u>29</u>	5. Location Sketch
2. Key Observation Point KOP 7 – Kiosk on Temple Basin – Alt. A		
3. VRM Class Looking towards BLM Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rolling, undulating Far: Prominent, rolling	Near: Low, short Far: Indistinct	Near: None in view towards project Far: Linear, thin
LINE	Near: Horizontal, diagonal Far: Curvilinear with mountainous silhouettes	Near: Not present Far: Not present	Near: None Far: Vertical, angular, simple
COLOR	Near: Medium tan, beige Far: Grays and tans with bluish hues caused by atmospheric conditions	Near: Olive, gold, brown Far: Brown hues, indistinct	Near: None Far: Brown
TEXTURE	Near: Stippled, medium Far: Medium	Near: Stippled, patchy Far: Indistinct	Near: None Far: Indistinct, smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change Far: Possible linear shapes created by cut/fill for pads and roads	Near: No Change Far: No Change	Near: No change Far: Tall, vertical, symmetrical, geometric, angular, oscillating
LINE	Near: No Change Far: possible horizontal lines created by cut/fill for pads and roads	Near: No Change Far: No Change	Near: No Change Far: Vertical, angular, geometric, ordered
COLOR	Near: No Change Far: Light tan and gray	Near: No Change Far: No Change	Near: No Change Far: White, contrasting
TEXTURE	Near: No Change Far: Smooth	Near: No Change Far: No Change	Near: No Change Far: Smooth, indistinct

SECTION D. CONTRAST RATING SHORT TERM LONG TERM

1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
ELEMENTS	Form				X			X			X			
	Line			X			X			X				
	Color			X			X				X			
	Texture				X			X				X		

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

Structure contrast is moderate because of the distance and the narrower view of the project. Topography hides the lower portions of the turbines.

Vegetation contrasts would only be visible on the hills, and at this distance are expected to be moderate to weak.

Land contrasts would only be visible on the hills and are expected to be weak to none at this distance because the cuts and fills are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

Removing about ten of the most visible turbines would reduce the structure contrast within the landscape.

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VISUAL CONTRAST RATING WORKSHEET

Date	November 23, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION				
1. Project Name BP Mojave County Wind Project	4. Location		5. Location Sketch	
2. Key Observation Point KOP 13 – Rosie’s Den on U.S. 93 – Alt. A	Township _____	28N		
3. VRM Class Looking into Class IV	Range _____	17W		
	Section _____	29		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION				
1. LAND/WATER		2. VEGETATION		3. STRUCTURES
FORM	Near: Rolling, undulating Far: Bold, prominent, pyramidal, angular, numerous silhouettes	Near: Low, small with some taller interspersed vegetation. Far: Indistinct		Near: Tall, thin, angular Far: Angular, not very apparant
LINE	Near: Horizontal, flowing Far: Diagonal, angular, and horizontal with mountainous silhouettes	Near: Horizontal undulating lines with a digitate edge Far: Not apparant		Near: Vertical, geometric, horizontal, ordered, with divergent bands Far: Geometric and not very apparant
COLOR	Near: Brown, gray, light tan Far: Brown, burnt and raw sienna, dark gray with red hues and bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan Far: Brown and sienna hues, indistinct		Near: White and green with light chromas Far: Not present
TEXTURE	Near: Smooth to medium Far: Course, random	Near: Stippled, medium Far: Indistinct to smooth		Near: Uniform, smooth Far: Not apparant

SECTION C. PROPOSED ACTIVITY DESCRIPTION				
1. LAND/WATER		2. VEGETATION		3. STRUCTURES
FORM	Near: No change Far: Possible simple geometric shapes created by cut/fill for pads and roads	Near: No change Far: Linear		Near: No change Far: Tall, symetrical, geometric, ordered, rotating
LINE	Near: No change Far: Horizontal lines created by cuts and fills	Near: No change Far: Geometric and possibly linear lines created by vegetative clearing for roads and pads		Near: No change Far: Vertical, perpendicular, angular, geometric, ordered
COLOR	Near: No change Far: Beige, tan. Depends upon color of gravel cover and depth of cut	Near: No Change Far: Contrasts created by vegetation clearing for roads and pads		Near: No change Far: White, contrasting
TEXTURE	Near: No change Far: Smooth	Near: No change Far: Bare areas are directional at this viewing height, ordered		Near: No change Far: Smooth, indistinct

SECTION D. CONTRAST RATING															
<input type="checkbox"/> SHORT TERM <input checked="" type="checkbox"/> LONG TERM															
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
Form			X			X				X					
ELEMENTS	Line		X			X				X					
	Color			X			X			X					
	Texture			X			X					X			
Evaluator's Names Date Richard Stuhan November 23, 2009 David Konopka January 3, 2012															

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

The road, road signs, and passing traffic are considered part of the "viewer platform" and are not a part of the evaluation.

For structure contrast, although there are light colored structures to each side of the project area, they are relatively horizontal. The turbine contrast is very strong due to the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades.

For vegetation contrast, due to the viewing angle and height relative to the project, the turbine pads may be more visible than the roads due to their width. The pads may appear to be linear.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

See additional contrast form for this KOP that evaluates the photographic simulation of gray turbines.

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VISUAL CONTRAST RATING WORKSHEET

Date	November 23, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mojave County Wind Project	4. Location	5. Location Sketch
2. Key Observation Point KOP 13 – Rosie’s Den on U.S. 93 – Alt. A – Gray turbines	Township <u>28N</u>	
3. VRM Class Looking into Class IV	Range <u>17W</u> Section <u>29</u>	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rolling, undulating Far: Bold, prominent, pyramidal, angular, numerous silhouettes	Near: Low, small with some taller interspersed vegetation. Far: Indistinct	Near: Tall, thin, angular Far: Angular, not very apparent
LINE	Near: Horizontal, flowing Far: Diagonal, angular, and horizontal with mountainous silhouettes	Near: Horizontal undulating lines with a digitate edge Far: Not apparent	Near: Vertical, geometric, horizontal, ordered, with divergent bands Far: Geometric and not very apparent
COLOR	Near: Brown, gray, light tan Far: Brown, burnt and raw sienna, dark gray with red hues and bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan Far: Brown and sienna hues, indistinct	Near: White and green with light chromas Far: Not present
TEXTURE	Near: Smooth to medium Far: Course, random	Near: Stippled, medium Far: Indistinct to smooth	Near: Uniform, smooth Far: Not apparent

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change Far: Possible simple geometric shapes created by cut/fill for pads and roads	Near: No change Far: Linear	Near: No change Far: Tall, symmetrical, geometric, ordered, rotating
LINE	Near: No change Far: Horizontal lines created by cuts and fills	Near: No change Far: Geometric and possibly linear lines created by vegetative clearing for roads and pads	Near: No change Far: Vertical, perpendicular, angular, geometric, ordered
COLOR	Near: No change Far: Beige, tan. Depends upon color of gravel cover and depth of cut	Near: No Change Far: Contrasts created by vegetation clearing for roads and pads	Near: No change Far: BLM Shadow Gray for turbines, flashing white lights during day
TEXTURE	Near: No change Far: Smooth	Near: No change Far: Bare areas are directional at this viewing height, ordered	Near: No change Far: Smooth, indistinct

SECTION D. CONTRAST RATING														
												<input type="checkbox"/> SHORT TERM	<input checked="" type="checkbox"/> LONG TERM	
1.	DEGREE OF CONTRAST	FEATURES											2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
ELEMENTS	Form			X			X			X				Evaluator’s Names Date David Konopka January 3, 2012
	Line		X			X				X				
	Color			X		X					X			
	Texture			X			X					X		

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

The road, road signs, and passing traffic are considered part of the "viewer platform" and are not a part of the evaluation.

For structure contrast, the gray turbines would not contrast as much in color with the vegetation and landforms as the white turbines would. The turbine contrast is still very strong due to the extent of the project area, the height and shape of the turbines, and the motion of the rotating blades.

For vegetation contrast, due to the viewing angle and height relative to the project, the turbine pads may be more visible than the roads due to their width. The pads may appear to be linear. The pad for the substation and switchyard would be visible as a long line.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

The gray turbines would have less of a color contrast compared to the white turbines. However, if the gray turbines are required to have continuously flashing white lights during the daytime, then the lights would attract more attention and provide more of an overall contrast than the white turbines.

UNITED STATES
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VISUAL CONTRAST RATING WORKSHEET

Date	November 24, 2009
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mojave County Wind Project	4. Location Township <u>28N</u> Range <u>17W</u> Section <u>29</u>	5. Location Sketch
2. Key Observation Point KOP 27 – 11025 Indian Peak Rd. – Alt. A		
3. VRM Class Looking into Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Gentle, undulating Far: Convex, diagonal, angular, bold and prominent	Near: Low, small with some tall interspersed, amorphous Far: Indistinct and stippled	Near: Small scale geometric Far: Indistinct
LINE	Near: Horizontal, undulating Far: Diagonal, pyramidal, angular with mountainous silhouettes	Near: Horizontal with bold diffuse edges Far: Indistinct	Near: Small scale vertical Far: Indistinct
COLOR	Near: Brown, sandy brown, light tan Far: Brown, Gray with raw sienna hues and bluish hues caused by atmospheric conditions	Near: Olive, brown, green and tan Far: Brown hues	Near: Gray Far: Not apparent
TEXTURE	Near: Medium, directional Far: Medium to smooth	Near: Course and patchy Far: Indistinct, smooth	Near: Smooth Far: Indistinct

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change, cuts and fills for pads and roads not visible from this viewing angle Far: Simple geometric shapes created by cut/fill for pads and roads that might be visible to the west	Near: No change, vegetation disturbance is not visible from this viewing angle Far: Simple geometric shapes created by vegetative clearings for pads and roads that might be visible to the west	Near: Bold, ordered, vertical, rotating, angular Far: Bold, rotating, angular
LINE	Near: No change Far: Broken, possible horizontal lines created by cut/fill for pads and roads that might be visible to the west	Near: No change Far: Broken, possible horizontal lines created by vegetative clearing for pads and roads	Near: Bold, vertical, perpendicular, ordered, geometric Far: Vertical, perpendicular, ordered, geometric, circular motion
COLOR	Near: No change Far: Tan. Depends upon color of gravel cover and depth of cuts that might be visible to the west	Near: No change Far: Contrasts created by vegetation clearing for roads and pads might be visible to the west	Near: White, contrasting Far: White, contrasting
TEXTURE	Near: No change Far: Scattered, smooth to fine that might be visible to the west	Near: No change Far: Directional and uniform bare areas might be visible to the west	Near: Smooth Far: Smooth

SECTION D. CONTRAST RATING														
<input type="checkbox"/> SHORT TERM														
<input checked="" type="checkbox"/> LONG TERM														
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
ELEMENTS	Form		X				X			X				Evaluator's Names Date Richard Stuhan November 24, 2009 David Konopka January 3, 2012
	Line			X			X			X				
	Color			X				X		X				
	Texture			X				X				X		

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

The structure contrast is very strong due to the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades.

Because of the rise in elevation of the topography in front of the residence, the land and vegetation changes are not visible. The topography decreases in elevation to the west so views from the street in front of the residence might show the ground disturbance of the project. Land contrast depends upon depth of the cuts and fills that are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Elimination of the closest row of turbines could slightly reduce the structure contrast, but the contrast would still be strong.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	April 16, 2010
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name Mohave County Wind Farm Project	4. Location Township <u>27N</u> Range <u>19W</u> Section <u>17</u>	5. Location Sketch
2. Key Observation Point KOP 30 – White Hills Community Center – Alt.A		
3. VRM Class View is towards Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rolling, undulating, indistinct Far: Bold, prominent, numerous mountain silhouettes	Near: Low with taller interspersed vegetation, rough and scattered Far: Indistinct to stippled	Near: Vertical, horizontal, geometric, and angular Far: Vertical, horizontal, geometric, and angular
LINE	Near: Undulating, flowing Far: Diagonal, angular with mountainous silhouettes and strong horizon line	Near: Undulating lines with vertical clumps of more dominant vegetation and silhouettes Far: Undulating	Near: Vertical, horizontal, angular, and geometric Far: Vertical, horizontal, angular, and geometric
COLOR	Near: Brown, gray, light tan, red Far: Brown, burnt sienna, dark gray with red hues and bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan, gray Far: Brown and sienna hues, indistinct	Near: White, tan, green, olive Far: pink, tan, gray, white
TEX-TURE	Near: Medium to smooth Far: Smooth	Near: Stippled, course Far: Course to smooth	Near: Smooth Far: Smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: No change Far: No change seen from this view	Near: No Change Far: No change seen from this view	Near: No change Far: Tall, symmetrical, geometric, ordered, rotating upper part of the turbines
LINE	Near: No change Far: No change	Near: No change Far: No change	Near: No change Far: Vertical, perpendicular, angular, geometric, ordered upper part of the turbines
COLOR	Near: No change Far: No change	Near: No Change Far: No change	Near: No change Far: White, contrasting upper part of the turbines
TEX-TURE	Near: No Change Far: No change	Near: No Change Far: No change	Near: No change Far: Smooth, indistinct upper part of the turbines

SECTION D. CONTRAST RATING		<input type="checkbox"/> SHORT TERM												<input checked="" type="checkbox"/> LONG TERM											
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)											
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)						3. Additional mitigating measures recommended? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain on reverse side)									
ELEMENTS	Form				X					X					X			Evaluator's Names Date Robert Evans April 16, 2010 David Konopka January 3, 2012							
	Line				X					X					X										
	Color				X					X					X										
	Texture				X					X					X										

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

Due to the topography, vegetation, and structures in the immediate foreground, only the tops of a few turbines could be visible in the distance, depending upon where the viewer stands in the parking lot.

Additional Mitigating Measures (See item 3)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	April 15, 2010
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mohave County Wind Project	4. Location Township <u>28N</u> Range <u>19W</u> Section <u>4</u>	5. Location Sketch
2. Key Observation Point KOP 169 – Senator Mountain – Alt. A		
3. VRM Class VRM IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rugged with angular forms Far: Undulating with simple geometric forms and silhouettes	Near: Low, rugged and patchy Far: Stippled and undulating	Near: Tall, vertical, geometric, and angular Far: Simple geometric forms
LINE	Near: Undulating and rugged Far: Undulating with mountainous silhouettes	Near: Dominant silhouettes Far: Stippled, evenly distributed	Near: Vertical, angular, geometric Far: Numerous swooping bands (roads)
COLOR	Near: Brown, light tan, gray, raw sienna Far: Brown, tan, red and dark gray with bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan (seasonally very green) Far: Olive, green, brown, tan (seasonally very green)	Near: Dark gray and metallic with light chromas and white Far: Metallic with light chroma and white
TEXTURE	Near: Rugged Far: Smooth	Near: Course and rough Far: Smooth and stippled	Near: Smooth Far: Smooth

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Simple geometric shapes and bands created by cut/fill for pads and roads Far: Simple geometric shapes and bands created by cut/fill for pads and roads	Near: Simple geometric forms and rounded and angular clearings Far: Simple geometric forms and rounded and angular clearings	Near: Vertical and angular Far: Tall, vertical, ordered, rotating motion
LINE	Near: Possible edges created by cut/fill Far: Horizontal lines and edges created by cut/fill	Near: Bold straight to curving and oval and rectangular lines created by clearings for roads and pads Far: Straight to curving and oval to horizontal lines created by clearings for roads and pads	Near: Vertical, perpendicular, angular, geometric, ordered Far: Vertical, perpendicular, angular, geometric, ordered, rotating motion
COLOR	Near: Beige to a tan and red hues Far: Beige to a tan and red hues	Near: Bold contrasting color due to the clearing of vegetation for roads and pads Far: Contrasting color due to the clearing of vegetation for roads and pads	Near: White, contrasting Far: White, contrasting
TEXTURE	Near: Smooth Far: Smooth	Near: Patchy, uniform, ordered Far: Patchy, uniform, ordered	Near: Smooth Far: Smooth, indistinct

SECTION D. CONTRAST RATING														
											<input type="checkbox"/> SHORT TERM	<input checked="" type="checkbox"/> LONG TERM		
1.	DEGREE OF CONTRAST	FEATURES											2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
ELEMENTS	Form			X		X				X				Evaluator's Names Date Robert Evans April 15, 2010 David Konopka January 3, 2012
	Line		X			X				X				
	Color			X		X				X				
	Texture			X			X					X		

SECTION D. (Continued)

Comments from item 2.

BLM land is Class IV.

The communication site is considered a “viewer platform” and is not a part of the evaluation.

The turbine contrast is very strong due to the extent of the project area, the height and shape of the turbines, and the motion of the rotating blades

Because of the height of the viewpoint, the vegetation contrast is very strong and can be seen for long distances. The pads for the switchyard and substations are visible.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful especially closer to the viewpoint. Use gravel on roads and pads that is the same color as surrounding surface soil.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	April 15, 2010
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name BP Mohave County Wind Project	4. Location Township <u>28N</u> Range <u>20W</u> Section <u>15</u>	5. Location Sketch
2. Key Observation Point KOP 171 – Mata Thija – Alt. A		
3. VRM Class VRM IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rolling, undulating Far: Rugged with mountainous silhouettes	Near: Low, undulating, stippled Far: Stippled and undulating	Near: Tall, vertical, geometric, and angular Far: Angular, vertical, and geometric forms
LINE	Near: Undulating with simple weak edges Far: Undulating with silhouette lines and edges	Near: Undulating with weak edges, curving Far: Simple, weak digitate edges	Near: Vertical, angular, geometric, and swooping Far: Vertical, angular, geometric
COLOR	Near: Brown, light tan, red, raw sienna Far: Brown, tan, burnt and raw sienna with bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan, red (seasonally very green) Far: Olive, green, brown, tan, red (seasonally very green)	Near: Flat dull metallic Far: Flat metallic
TEXTURE	Near: Rugged Far: Smooth	Near: Rugged, stippled, discontinuous Far: Smooth, stippled	Near: Smooth, matte Far: Smooth, matte

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Simple geometric shapes and bands created by cut/fill for pads and roads Far: Simple geometric shapes and bands created by cut/fill for pads and roads	Near: Simple geometric forms and linear clearings Far: Simple geometric forms and linear clearings	Near: Vertical and angular, rotating Far: Tall, vertical, ordered, rotating motion
LINE	Near: Possible edges created by cut/fill Far: Horizontal lines created by cut/fill	Near: horizontal lines created by clearings for roads and pads Far: Indistinct but contrasting lines vegetative clearings by cut/fill for roads and pads	Near: Vertical, perpendicular, angular, ordered Far: Vertical, perpendicular, angular, ordered, rotating motion
COLOR	Near: Beige to tan with red hues Far: Beige to tan with red hues	Near: Indistinct but contrasting green color created by vegetation clearing for roads and pads Far: “ “	Near: White, contrasting Far: White, contrasting
TEXTURE	Near: Smooth Far: Smooth	Near: Patchy Far: Patchy, directional	Near: Smooth Far: Smooth, indistinct

SECTION D. CONTRAST RATING														
<input type="checkbox"/> SHORT TERM														
<input checked="" type="checkbox"/> LONG TERM														
1.	DEGREE OF CONTRAST	FEATURES											2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
ELEMENTS	Form			X				X		X				Evaluator's Names Date Robert Evans April 15, 2010 David Konopka January 3, 2012
	Line			X		X		X						
	Color			X		X		X						
	Texture			X				X				X		

SECTION D. (Continued)

Comments from item 2.

BLM land in project area is Class IV.

For structure contrast, the turbines contrast in form, line, and color with the existing transmission lines. The turbines are a strong contrast also due to the extent of the project area, the height and shape of the turbines, and the motion of the rotating blades.

For vegetation contrast, due to the viewing angle the disturbances, including for the substation and switching yard complex appear to be linear.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep. The viewing angle would make the cuts and fills look linear.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the most visible locations. Use gravel on roads and pads that is the same color as surrounding surface soil.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	April 15, 2010
District	Colorado River
Resource Area	Kingman Field Office
Activity (program)	Realty

SECTION A. PROJECT INFORMATION		
1. Project Name Mohave County Wind Project	4. Location	5. Location Sketch
2. Key Observation Point KOP 173 – Squaw Peak – Alt. A	Township _____ 29N _____	
3. VRM Class VRM IV	Range _____ 20W _____ Section _____ 22 _____	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Rugged, undulating Far: Rugged with numerous peaks and mountainous silhouettes	Near: Low, undulating, stippled/mottled Far: Stippled, uniform, and undulating	Near: Vertical, angular Far: Not apparent
LINE	Near: Undulating with angular edges Far: Angular and pyramidal with numerous silhouette lines	Near: Mottled and undulating/random Far: Simple, weak digitate edges	Near: Vertical, angular Far: Not apparent
COLOR	Near: Brown, light tan, red, gray/black Far: Brown, tan, burnt sienna with bluish hues caused by atmospheric conditions	Near: Olive, green, brown, tan, red (seasonally very green with purple and yellow) Far: “ “	Near: Dull/flat metallic Far: Not apparent
TEXTURE	Near: Rough/rugged Far: Smooth	Near: Rough Far: Smooth	Near: Smooth Far: Not apparent

SECTION C. PROPOSED ACTIVITY DESCRIPTION			
	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Near: Simple geometric and linear shapes created by cut/fill for pads and roads Far: Linear shapes created by cut/fill for pads and roads	Near: Simple geometric forms and oval clearings Far: Linear clearings	Near: Vertical and angular, rotating blades Far: Tall, vertical, ordered, rotating motion
LINE	Near: Possible horizontal to diagonal edges created by cut/fill Far: Horizontal lines created by cut/fill	Near: Curving, horizontal to diagonal lines created by clearings for roads and pads Far: Horizontal, broken straight to curving lines	Near: Vertical, angular, geometric, ordered Far: Vertical, perpendicular, angular, geometric, ordered, rotating motion
COLOR	Near: Beige to tan with red hues Far: Beige to tan and red hues	Near: vivid contrast between vegetation and soil/gravel surface Far: contrast between vegetation and soil/gravel surface	Near: White, contrasting Far: White, contrasting
TEXTURE	Near: Smooth Far: Smooth	Near: Patchy, directional, smooth Far: Patchy, smooth	Near: Smooth Far: Smooth, indistinct

SECTION D. CONTRAST RATING													<input type="checkbox"/> SHORT TERM	<input checked="" type="checkbox"/> LONG TERM		
1.	DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)		
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					3. Additional mitigating measures recommended? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None			
ELEMENTS	Form	X				X					X					
Line	X					X					X					
Color		X				X					X					
Texture		X				X					X					

SECTION D. (Continued)

Comments from item 2.

BLM land is Class IV.

KOP is surrounded by turbines. KOP is on an existing road looking at proposed roads

Structure contrast is very strong due to the distance to the closest turbines, the extent of the project area, the height, shape, and color of the turbines, and the motion of the rotating blades.

Vegetation contrast is very strong close to the viewer. It is weak in the distance due to topography. The roads might be considered "viewer platforms" and not as negative an impact as the turbine pads.

Land contrast depends upon depth of cuts and fills which are not anticipated to be deep; however cuts and fills close to the viewer could be in strong contrast. Cuts and fills in the distance might not be seen due to topography.

Additional Mitigating Measures (See item 3)

Assure that revegetation is successful in the closest locations. Use gravel on roads and pads that is the same color as surrounding surface soil.