

WHISTLING RIDGE ENERGY LLC  
TOM WATSON  
VISUAL SIMULATIONS  
EXHIBIT NO. 8.08r



**Visualization Exhibit**

**Viewpoint 1**

**Pucker Huddle**

**Figure 4.2-6 in the ASC**

**December 2010**

**Viewpoint Information**

August 8, 2007, 2:15 PM  
 45°44'21" N 121°30'44" W  
 Elevation: 201 meters  
 Bearing: 301° (WNW)  
 Photo Focal Length: 70 mm  
 Panorama Focal Length: 51 mm  
 Field of View: 38.5°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 22  
 6.41 km to the nearest turbine  
 3.98 miles to the nearest turbine

**Turbines with Some Visibility**

B11-B21, C1-C8, D1-D3, E1-E2

**When printed on 11"x17" paper:**

Hold the print 23 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.46" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text (from Section 4.2.3 of the ASC)**

**Scenic Quality**

Viewpoint 1 is taken from SR 141, which is approximately 4 miles from the project and is a small connector providing access to the Indian Heaven Wilderness in the Gifford Pinchot National Forest. This highway also allows access to several rural communities including White Salmon, Husum, and Pucker Huddle. Most areas are unincorporated and several of the residences are recreational in nature with some year-round residences. As discussed in the review of the regional and local landscapes, no public roads pass through or are immediately adjacent to the project. Viewpoint 1 is a wide panoramic view of Underwood Mountain from SR 141 adjacent to the Pucker Huddle area.

The view encompasses the east side of the project area and the ridged lines of forest management areas are visible in the middleground of the viewshed. Natural openings are prevalent from this viewpoint with several natural appearing features of openings and vegetation that provide an interesting view. The BPA transmission lines bisecting the project area on the north and south ends can be seen from this viewpoint. The quality of the views from this viewpoint along SR 141 was rated as moderate, reflecting the fact that the landscape visible is relatively common in the region and has average scenic value. The ridge line along Underwood Mountain, which is in the area of the project, provides a degree of topographic interest when viewed with the other natural appearing features. The landscape visual scenic quality from this viewpoint is moderate.

**Viewer Sensitivity**

Traffic volumes along SR 141 are minimal and used for local traffic and recreating traffic in the summer months. Considering the distance of the project from this viewpoint (less than 5 miles), the minimal use of the highway, and the portion of the project that is visible from the viewpoint, the level of view sensitivity is considered low. This is based on the duration of the view from SR 141 and the low level of residential viewers from this viewpoint and the scenic quality rating.

**Impacts**

From Viewpoint 1, approximately 25 turbines would be visible on the ridge tops at distances of 0.8 to 3 or more miles. Figure 4.2-6 illustrates the simulated views from Viewpoint 1 on SR 141 above Pucker Huddle, looking west into Underwood Mountain for the most conservative scenario of a 50-turbine project, with 426-foot high turbines. At the distance depicted in the photo, the visual clutter of more turbines has more impact than the considerable scale of the larger turbines. The composition would be silhouetted against the sky, increasing their visual impact. However, the distance and the line of sight from the residential areas would minimize the contrast. The presence of the turbines would reduce the scene's degree of intactness by introducing a large number of highly visible engineered vertical elements. The potential visual impact from Viewpoint 1 would range from low to moderate.



**Visualization Exhibit**

**Viewpoint 2**

**Strawberry Mountain**

**Figure 4.2-7 in the ASC**

**December 2010**

**Viewpoint Information**

August 8, 2007, 2:24 PM  
 45°44'07" N 121°29'50" W  
 Elevation: 297 meters  
 Bearing: 296° (WNW)  
 Photo Focal Length: 67 mm  
 Panorama Focal Length: 56 mm  
 Field of View: 35.5°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 30  
 7.65 km to the nearest turbine  
 4.75 miles to the nearest turbine

**Turbines with Some Visibility**

B5-B21, C1-C8, D1-D3, E1-E2

**When printed on 11"x17" paper:**

Hold the print 24 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.39" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

Viewpoint 2 is an elevated view of the project from Strawberry Mountain east of the project area. The viewpoint encompasses the view that many of the residence would see from an elevated position above SR 141. This view is similar to Viewpoint 1 except that the man-made lines and features from forest management and power transmission are more prevalent. Several natural appearing features, including openings and vegetation, provide an interesting view in the middle ground with Underwood Mountain in the background. The quality of the views from this viewpoint above SR 141 was rated as moderate, reflecting the fact that the landscape visible is relatively common in the region and has average scenic value.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles) and the portion of the project that is visible from the viewpoint, the viewer types (residential/ recreational), and the scenic quality rating, the level of visual sensitivity is considered moderate.

**Impacts**

From Viewpoint 2, approximately 22 turbines would be visible on the ridge tops at distances greater than five or more miles. Figure 4.2-7 illustrates the simulated views from Viewpoint 2 on SR 141 above Pucker Huddle, looking west into Underwood Mountain for the most conservative scenario of a 50-turbine project, with 426-foot high turbines. At the distance depicted in the photo, the background is silhouetted against the sky, increasing the impact of the number of turbines as opposed to the size of the large turbines. The introduction of vertical structures in the background of the view would add to the horizontal and vertical disruptions already within the existing view. The intactness would be compromised minimally with the addition of these features. The potential visual impact from Viewpoint 2 would range from low to moderate.



**Visualization Exhibit**

**Viewpoint 3**

**Husum**

**Figure 4.2-8 in the ASC**

**December 2010**

**Viewpoint Information**

August 8, 2007, 2:41 PM  
 45°47'30" N 121°29'38" W  
 Elevation: 152 meters  
 Bearing: 250° (WSW)  
 Photo Focal Length: 68 mm  
 Panorama Focal Length: 57 mm  
 Field of View: 35°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 30  
 7.66 km to the nearest turbine  
 4.76 miles to the nearest turbine

**Turbines with Some Visibility**

B1-B16, C1-C8, D1-D3,  
 E1-E2, F1-F3

**When printed on 11"x17" paper:**

Hold the print 25 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.39" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text (from Section 4.2.3 of the ASC)**

**Scenic Quality**

This viewpoint captures the view from SR 141 northeast of the project area. This viewpoint would be the first view of the project from travelers moving south into the project area. The viewpoint encompasses the northern portion of the project from the highway, which is the closest viewing area from that vantage point. The foreground of the viewpoint is pastoral with a middle ground view of the hillsides and a background view of Underwood Mountain and the project area. The view is natural appearing with moderate to high levels of vividness, unity, and intactness in the foreground, middle ground, and background of the photo. The quality of the view from this viewpoint was rated moderately high because of the above-average quality and the unity of the man-made and natural features on the landscape.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the duration of the view (roadway travelers), the portion of the project that is visible from the viewpoint, the viewer types (minimal residential/recreational), and the scenic quality rating, the level of visual sensitivity is considered moderate.

**Impacts**

From Viewpoint 3, approximately 27 turbines would be visible on the ridge tips at a distance greater than five miles. Figure 4.2-8 illustrates the simulated views from SR 141 traveling south into the project area. Travelers moving along this highway are generally using the road to access recreation areas or for leisurely drives. Residential viewers would be screened to some degree from the view based on vegetation, landscaping, and the line of sight from the valley floor. Introduction of these vertical structures in the background of this view would decrease the intactness of the landscape, based on the numbers of turbines that would be visible. The composition of the view would be altered with the introduction of these engineered structures and would be apparent on the horizon to the travelers and residence in the area. Due to the low levels of viewers, duration of the views, and viewer awareness, the visual impact from Viewpoint 3 is considered moderate.



**Visualization Exhibit**

**Viewpoint 4**

**Ausplund Road and Cook-Underwood Road**

Figure 4.2-9 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 3:05 PM  
 45°43'40" N 121°35'56" W  
 Elevation: 411 meters  
 Bearing: 331° (NNW)  
 Photo Focal Length: 70 mm  
 Panorama Focal Length: 39 mm  
 Field of View: 50°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 7  
 1.98 km to the nearest turbine  
 1.23 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A8

**When printed on 11"x17" paper:**

Hold the print 17 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 1.47" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from the Ausplund, Cook-Underwood Roads where they meet and provide residential, agricultural, and forest management access to the area. These roads are connector and feeder roads that can be accessed from SR 14. This area is elevated from the Columbia River Gorge National Scenic Area but is within its boundaries. The area has a mix of uses including agriculture, forest management, and some recreation. The foreground from the roadway is an agricultural setting with the middle and background views of forest vegetation and forest management areas. The view is natural appearing with moderate levels of vividness, unity, and intactness. The quality of the view from this viewpoint was rated moderate because of the average or typical views of this type in the project area.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (0.5 to 5 miles), the viewer types (roadway travelers), the portion of the project that is visible from the viewpoint, the viewer types (residential/roadway), and the scenic quality rating, the level of visual sensitivity is considered moderate.

**Impacts**

From Viewpoint 4 approximately 14 turbines would be visible looking northwest from the roadway. Figure 4.2-9 illustrates the simulated view from the roadway at the intersections of Ausplund and Cook-Underwood Roads. Because of the position of this viewpoint (direct line of sight) and its distance from the turbines, the turbines apparent scale would be visible and apparent. The presence of the turbines would likely have a moderate effect on the vividness of the existing view and a moderate impact on the overall sense of unity and intactness by the roadway and residential viewers. The potential visual impact from Viewpoint 4 would be moderate.



**Visualization Exhibit**

**Viewpoint 5**

**Willard**

**Figure 4.2-10 in the ASC**

**December 2010**

**Viewpoint Information**

August 8, 2007, 3:22 PM  
 45°46'48" N 121°38'02" W  
 Elevation: 408 meters  
 Bearing: 124° (SE)  
 Photo Focal Length: 70 mm  
 Panorama Focal Length: 46 mm  
 Field of View: 43°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 19  
 2.17 km to the nearest turbine  
 1.35 miles to the nearest turbine

**Turbines with Some Visibility**

A10-A13, B1-B16, F1-F3  
 (as cropped from ASC)

**When printed on 11"x17" paper:**

Hold the print 19 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 1.34"-tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from the small residential community of Willard. This area is accessible by a county road from SR 14 and used by residential and private forest management users. The view looks southeast into the project area and provides a panorama of the longest string of turbines. The foreground is a mixture of mixed conifer second growth stands and the middle ground is of mixed timber harvest openings and a transmission corridor. The background view is similar and the mixture of vertical and horizon lines and formations detracts from the overall vividness and unity of the view. The intactness of the views is moderated by the changes in line and form. The quality of the view from this viewpoint was rated moderately low to moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (0.5 to 5 miles), the duration of the view (foreground screening), the portion of the project that is visible from the viewpoint, the viewer types (minimal residential), and the scenic quality rating, the level of sensitivity is considered moderate.

**Impacts**

From Viewpoint 5, approximately 24 turbines in turbine strings A and B would be visible from screened views from residences in the area of Willard. Figure 4.2-10 shows the simulated view from Viewpoint 5 in the northern portion of the project looking southeast. These turbines would be located in the ridge tops at distances ranging from 1 to 3 miles from this viewpoint. Because the turbines would be seen against the sky at medium range and screened in many residential views, they would still be visible in the background. This would reduce the visual unity and intactness minimally when compared to the existing components in the landscape. The wind turbines would be arrayed uniformly along the ridgeline and would create a moderate change in the setting's existing low to moderate visual quality. The potential visual impact from Viewpoint 5 would be moderate.



**Visualization Exhibit**

**Viewpoint 7**

**Mill A**

Figure 4.2-11 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 3:43 PM  
 45°44'35" N 121°38'45" W  
 Elevation: 287 meters  
 Bearing: 65° (ENE)  
 Photo Focal Length: 67 mm  
 Panorama Focal Length: 41 mm  
 Field of View: 47°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 30  
 2.61 km to the nearest turbine  
 1.62 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A13, B1-13, F1-F3  
 (as cropped from ASC)

**When printed on 11"x17" paper:**

Hold the print 19 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 1.11" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from the old mill property west of the project area. This area is accessible from Willard Road and has a mixture of uses. The view is looking northeast into the southern end of the A turbine string. The foreground view is obstructed by the vertical lines of transmission towers. The middle ground view is of transmission corridors and extensive timber harvest openings. Many of the residential views are partially screened from the valley floor. There is a visual discord with the man-made alterations. The vividness, unity, and intactness appear uninviting and of moderate to low visual quality. The scenic quality rating for this viewpoint is moderately low.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (0.5 to 5 miles), the duration of the view (foreground screening), the portion of the project that is visible from the viewpoint, the viewer types (minimal residential), and the scenic quality rating, the level of sensitivity is considered moderate.

**Impacts**

From Viewpoint 7, approximately 35 turbines in strings A and B would be visible in the foreground, middle ground, and background of this view. The ridgeline is located 1.5 miles or more from Viewpoint at Mill A. Figure 4.2-11 shows the simulated view. The turbines would be seen against the sky. The presence of the long line of turbines may create a slight increase in the vividness of this view. The unity of the view would be decreased further by the long turbine line and the intactness of the view would be moderately compromised compared to the existing view. The potential visual impact from Viewpoint 7 is considered to be low to moderate.



**Visualization Exhibit**

**Viewpoint 8**

**Windance**

Figure 4.2-12 in the ASC

December 2010

**Viewpoint Information**

May 27, 2008, 5:32 PM  
 45°42'31" N 121°30'11" W  
 Elevation: 41 meters  
 Bearing: 306° (WNW)  
 Photo Focal Length: 50 mm  
 Panorama Focal Length: 63 mm  
 Field of View: 32°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 9  
 8.97 km to the nearest turbine  
 5.57 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A4, C1-C8

**When printed on 11"x17" paper:**

Hold the print 27 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.33" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from the parking lot of the Windance Sailing Shop in Hood River. This area is across the Columbia River looking south into the project area from within the Scenic Area. Foreground views are of the City of Hood River and the middle ground captures portions of the Columbia River and the northern bank. The background is of Underwood Mountain and the project area. Beyond the foreground elements in the view the levels of vividness, unity, and intactness are considered average or above average in the context of the setting. The scenic quality rating for this viewpoint is moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway, residential, urban area, and river recreation), and the scenic quality rating, the level of sensitivity is considered low to moderate.

**Impacts**

From Viewpoint 8, fewer than seven turbines can be seen in the background of the landscape and more than 5 miles from the viewpoint. Figure 4.2-12 shows the simulated view. The scenic quality with advent of the turbines when seen from this distance is expected to minimally decrease the level of vividness, unity, or intactness of the landscape view. Recreational users in the Gorge area are water related and their line of sight is generally along the river and river banks. Although the turbines would be visible on the far horizon it is not expected to decrease the existing quality of this view.

The potential visual impact from Viewpoint 8 is considered to be low.



**Visualization Exhibit**

**Viewpoint 10**

**Panorama Point**

Figure 4.2-13 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 5:27 PM  
 45°41'14" N 121°29'59" W  
 Elevation: 212 meters  
 Bearing: 321° (NW)  
 Photo Focal Length: 50 mm  
 Panorama Focal Length: 40 mm  
 Field of View: 48°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 12  
 10.75 km to the nearest turbine  
 6.68 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A7, C1-C8

**When printed on 11"x17" paper:**

Hold the print 19 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.28" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from above Hood River at the Panorama Point within the Columbia River Gorge National Scenic Area looking north across the Columbia River into the project area. Foreground views are a composition of vegetation and residential dwellings. The middle ground encompasses the Hood River and the Columbia River area with the Underwood Mountain in the background. The levels of vividness, unity, and intactness are considered above average with the combinations of man-made structures and natural features in harmony with the view. The scenic quality rating for this viewpoint was rated moderately high.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (8–10 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway, residential), and the scenic quality rating, the level of sensitivity was rated low.

**Impacts**

From Viewpoint 10, approximately 11 turbines can be seen in the distant background of the view. Figure 4.2-13 shows the simulated view. Although the turbines would be visible on the far horizon it is not expected to decrease the existing quality of this view. However, because of their relatively small size at this viewing distance, they would not likely detract from views across the Columbia River Gorge National Scenic Area. The visible turbines would have little effect on this view's vividness, unity, and intactness. The potential visual impact from Viewpoint 10 would be low.



**Visualization Exhibit**

**Viewpoint 11**

**I-84 Westbound**

Figure 4.2-14 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 5:52 PM  
 45°41'40" N 121°26'40" W  
 Elevation: 31 meters  
 Bearing: 307° (WNW)  
 Photo Focal Length: 55 mm  
 Panorama Focal Length: 97 mm  
 Field of View: 21°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 25  
 13.50 km to the nearest turbine  
 8.39 miles to the nearest turbine

**Turbines with Some Visibility**

B9-B21, C1-C8, D1-D3, E1-E2

**When printed on 11"x17" paper:**

Hold the print 42 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.22" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from I-84 traveling westbound towards the project area from the east. I-84 is along the Columbia River Gorge National Scenic Area and views along this portion of the highway are generally directed towards the river and the distant scenery. Beyond the foreground view of the highway and other corresponding structures the view is generally intact with average or above vividness, unity, and intactness. Viewers traveling along this corridor have multiple line of sight transitions and this is considered to be average within those views. The scenic quality rating for this viewpoint was rated moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (8–10 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway), and the scenic quality rating, the level of sensitivity was rated moderate.

**Impacts**

From Viewpoint 11, approximately 19 turbines would be visible in the distance background to roadway travelers looking west into the project area from I-84. Figure 4.2-14 shows the simulated view. Although the turbines would be visible to travelers on the far horizon, their presence is not expected to decrease the existing quality of this view, because of their relatively small size at this viewing distance. The visible turbines would have a minimal effect on this view's vividness, unity, and intactness. The potential visual impact from Viewpoint 11 was rated as moderate to low.



**Visualization Exhibit**

**Viewpoint 12**

**Koberg Beach State Park**

Figure 4.2-15 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 6:58 PM  
 45°42'20" N 121°28'43" W  
 Elevation: 25 meters  
 Bearing: 315° (WNW)  
 Photo Focal Length: 70 mm  
 Panorama Focal Length: 67 mm  
 Field of View: 30°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 15  
 10.61 km to the nearest turbine  
 6.59 miles to the nearest turbine

**Turbines with Some Visibility**

B13-B21, C1-C8, D1-D3, E1-E2

**When printed on 11"x17" paper:**

Hold the print 29 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.28" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

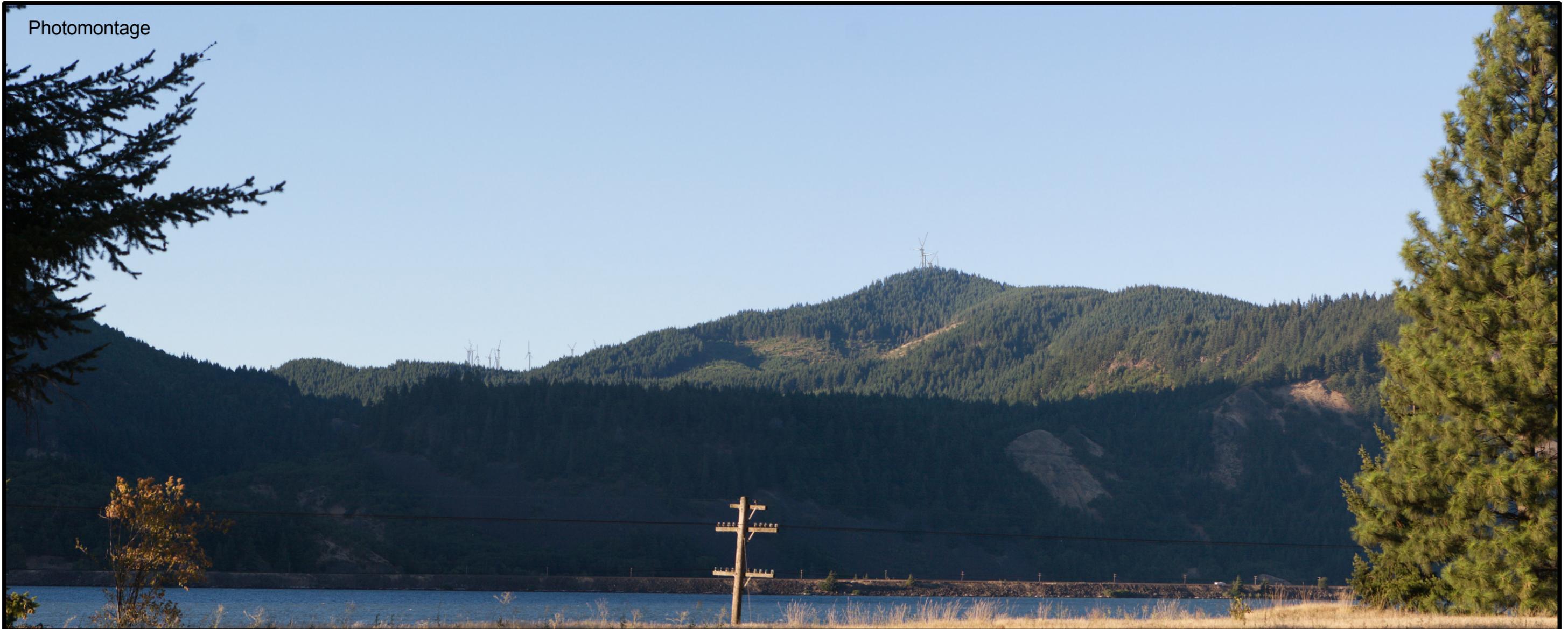
This viewpoint captures the view across the Columbia River from Koberg Park. The foreground view of the river is a complete composition indicative of the area and the middle and backgrounds have a high level of vividness, unity, and intactness. The rail-line that bisects the view in the middle ground tends to blend into the scenery without distraction. This view is considered to be above average for the types of views that are throughout the Scenic Area. The scenic quality rating for this viewpoint was rated moderately high.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (8–10 miles), the portion of the project that is visible from the viewpoint, the viewer types (recreational), and the scenic quality rating, the level of sensitivity was rated moderate.

**Impacts**

From Viewpoint 12, approximately 17 turbines would be visible in the distant background to recreational users of the park and river. The view looks west into the project area. Figure 4.2-15 shows the simulated view. Although the turbines would be visible to the viewers on the far horizon it is not expected to decrease the existing quality of this view to a great degree, because of their relatively small size at this viewing distance. The visible turbines would have a minimal effect on this view's vividness, unity, and intactness. The potential visual impact from Viewpoint 12 was considered to be moderate.



**Visualization Exhibit**

**Viewpoint 13**

**I-84 Eastbound**

Figure 4.2-16 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 7:15 PM  
 45°41'55" N 121°39'04" W  
 Elevation: 44 meters  
 Bearing: 28° (NNE)  
 Photo Focal Length: 60 mm  
 Panorama Focal Length: 60 mm  
 Field of View: 33.5°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 12  
 5.52 km to the nearest turbine  
 3.43 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A5, B13-B21

**When printed on 11"x17" paper:**

Hold the print 24 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.53" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from I-84 traveling eastbound towards the project area from the west. I-84 is along the Scenic Area and views along this portion of the highway are generally directed towards the river and the distant scenery. Beyond the foreground view of transmission structures the view is generally intact with average or above-average vividness, unity, and intactness. Viewers traveling along this corridor have multiple line of sight transitions and this view is considered to be above average within the context of those multiple views. The scenic quality rating for this viewpoint was rated moderately high.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (3 to 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway travelers with fleeting views), and the scenic quality rating, the level of sensitivity was rated as moderately low.

**Impacts**

From Viewpoint 13 approximately eight turbines would be visible in the background to roadway travelers looking west into the project area from I-84. Figure 4.2-16 shows the simulated view. This view for travelers would be of short duration. Although the turbines would be visible to travelers on the horizon it is not expected to decrease the existing quality of this view because of the number of turbines visible and the partial screening from the middle ground ridgeline. The visible turbines would have a minimal effect on this view's vividness, unity, and intactness for these reasons. The potential visual impact from Viewpoint 13 was rated as moderate to low.



**Visualization Exhibit**

**Viewpoint 14**

**Viento State Park**

Figure 4.2-17 in the ASC

December 2010

**Viewpoint Information**

August 8, 2007, 12:33 PM  
 45°41'59" N 121°40'01" W  
 Elevation: 30 meters  
 Bearing: 36° (NE)  
 Photo Focal Length: 64 mm  
 Panorama Focal Length: 40 mm  
 Field of View: 49°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 18  
 6.43 km to the nearest turbine  
 4.00 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A13, B1-B9

**When printed on 11"x17" paper:**

Hold the print 17 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.46" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint captures the view from Viento State Park, a popular recreation and rest area along the Columbia River. Landscape features are diverse and intact and the contrasts of the features have a high level of unity. This view is the open waters of the Columbia River in the foreground with rock features and vegetation in the middle ground and a background of mountains which provides an overall pleasing composition that is inviting to the viewer. This view is one of the less common views along the Gorge and has an above average scenic value. The scenic quality rating for this viewpoint was rated moderately high to high.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (recreational), and the scenic quality rating, the level of sensitivity was rated as moderate to high.

**Impacts**

From Viewpoint 14, approximately 20 turbines in the background would be visible to the recreational users of the area. Figure 4.2-17 shows the simulated view. Although the water related recreational activities would have the line of sight more related to the water and river banks, the recreational users moving through this area would be affected by this contrast in the view. The vividness of the scenic quality may be positively or negatively affected, depending on the user perception of turbines in the background. The unity and intactness of the existing view would be moderately compromised and the visible turbines would have a moderate effect on the view's scenic quality compared to existing conditions, due to the distance from the State Park and activities in the foreground and middle ground. The potential visual impact for Viewpoint 14 was considered to be moderate.



**Visualization Exhibit**

**Viewpoint 15**

**Frankton Road**

**Figure 4.2-18 in the ASC**

**December 2010**

**Viewpoint Information**

September 12, 2007, 8:31 AM  
 45°41'48" N 121°33'17" W  
 Elevation: 191 meters  
 Bearing: 331° (NNW)  
 Photo Focal Length: 50 mm  
 Panorama Focal Length: 35 mm  
 Field of View: 55°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 10  
 6.84 km to the nearest turbine  
 4.25 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A10

**When printed on 11"x17" paper:**

Hold the print 16 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.43" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

The viewpoints represent the view from the higher elevation residential areas west of Hood River. These views are across the Columbia River looking into the project area. Both of these roads are local access roads and traffic is considered low. Residential dwellings in these areas have developed based on the topographic and the views both north and south. Many of the views are screened to the north and take advantage of the view south into Oregon. Both of the photos have residential development in the foreground, which is common along these roadways. The middle ground is vegetation, some agriculture, and some forest management. The background is the ridge along the project area. These types of views are relatively common and of average scenic value when compared to the broader area. Vividness, unity, and intactness are moderate to high levels. The scenic quality rating for these viewpoints is moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (residential), and the scenic quality rating, the level of sensitivity was rated as moderate.

**Impacts**

From Viewpoints 15 and 16, approximately 10 and eight turbines can be seen, respectively. Figures 4.2-18 and 4.2-19 show the simulated view. At a distance of 5 miles or more this contrast would have a minor effect on the overall visual impact. Consequently, because the prominence of the turbines in the view would be low, the turbines would have a minor effect on the vividness, unity, and intactness from this viewpoint. The potential visual impact from this viewpoint would be moderate.



**Visualization Exhibit**

**Viewpoint 16**

**Fairview Road**

Figure 4.2-19 in the ASC

December 2010

**Viewpoint Information**

September 12, 2007, 8:28 AM  
 45°41'48" N 121°32'49" W  
 Elevation: 181 meters  
 Bearing: 326° (NNW)  
 Photo Focal Length: 50 mm  
 Panorama Focal Length: 45 mm  
 Field of View: 44°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 8  
 7.25 km to the nearest turbine  
 4.50 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A8

**When printed on 11"x17" paper:**

Hold the print 18 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.41" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

The viewpoints represent the view from the higher elevation residential areas west of Hood River. These views are across the Columbia River looking into the project area. Both of these roads are local access roads and traffic is considered low. Residential dwellings in these areas have developed based on the topographic and the views both north and south. Many of the views are screened to the north and take advantage of the view south into Oregon. Both of the photos have residential development in the foreground, which is common along these roadways. The middle ground is vegetation, some agriculture, and some forest management. The background is the ridge along the project area. These types of views are relatively common and of average scenic value when compared to the broader area. Vividness, unity, and intactness are moderate to high levels. The scenic quality rating for these viewpoints is moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (residential), and the scenic quality rating, the level of sensitivity was rated as moderate.

**Impacts**

From Viewpoints 15 and 16, approximately 10 and eight turbines can be seen, respectively. Figures 4.2-18 and 4.2-19 show the simulated view. At a distance of 5 miles or more this contrast would have a minor effect on the overall visual impact. Consequently, because the prominence of the turbines in the view would be low, the turbines would have a minor effect on the vividness, unity, and intactness from this viewpoint. The potential visual impact from this viewpoint would be moderate.



**Visualization Exhibit**

**Viewpoint 17**

**Providence Hospital**

Figure 4.2-20 in the ASC

December 2010

**Viewpoint Information**

May 27, 2008, 5:19 PM  
 45°42'13" N 121°31'25" W  
 Elevation: 143 meters  
 Bearing: 332° (NW)  
 Photo Focal Length: 51 mm  
 Panorama Focal Length: 32 mm  
 Field of View: 59°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 4  
 8.17 km to the nearest turbine  
 5.08 miles to the nearest turbine

**Turbines with Some Visibility**

A3-A6

**When printed on 11"x17" paper:**

Hold the print 17 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.36" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

The viewpoints represent the north and south views of the project from the City of Hood River. The foreground is an urban setting with a middle ground of vegetation that screen the background to some degree, providing a diverse composition of features. The views have a somewhat vivid appeal based mostly on the man-made features; however, the unity and intactness are below average and are visually discordant. This detracts from the background view. Viewers would generally be more focused on the business of the urban environment. The scenic quality of these viewpoints was rated moderately low.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (urban/residential), and the scenic quality rating, the level of sensitivity was rated as low.

**Impacts**

From Viewpoints 17 and 18, only two and three turbines can be seen, respectively, and they are diminished by the distance. Figures 4.2-20 and 4.2-21 show the simulated views. At this distance, viewers would have to scan the horizon to find the turbines. Consequently, minor effect or negligible effects to the scenic quality is expected to be low and was rated as low.



**Visualization Exhibit**

**Viewpoint 18**

**Rosauers**

Figure 4.2-21 in the ASC

December 2010

**Viewpoint Information**

May 27, 2008, 5:06 PM  
 45°41'42" N 121°31'24" W  
 Elevation: 154 meters  
 Bearing: 329° (NW)  
 Photo Focal Length: 50 mm  
 Panorama Focal Length: 55 mm  
 Field of View: 36°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 3  
 8.75 km to the nearest turbine  
 5.43 miles to the nearest turbine

**Turbines with Some Visibility**

A5-A7

**When printed on 11"x17" paper:**

Hold the print 25 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.34" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

The viewpoints represent the north and south views of the project from the City of Hood River. The foreground is an urban setting with a middle ground of vegetation that screen the background to some degree, providing a diverse composition of features. The views have a somewhat vivid appeal based mostly on the man-made features; however, the unity and intactness are below average and are visually discordant. This detracts from the background view. Viewers would generally be more focused on the business of the urban environment. The scenic quality of these viewpoints was rated moderately low.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (urban/residential), and the scenic quality rating, the level of sensitivity was rated as low.

**Impacts**

From Viewpoints 17 and 18, only two and three turbines can be seen, respectively, and they are diminished by the distance. Figures 4.2-20 and 4.2-21 show the simulated views. At this distance, viewers would have to scan the horizon to find the turbines. Consequently, minor effect or negligible effects to the scenic quality is expected to be low and was rated as low.



**Visualization Exhibit**

**Viewpoint 19**

**Columbia River Highway**

Figure 4.2-22 in the ASC

December 2010

**Viewpoint Information**

May 27, 2008, 3:49 PM  
 45°42'14" N 121°29'04" W  
 Elevation: 146 meters  
 Bearing: 317° (WNW)  
 Photo Focal Length: 40 mm  
 Panorama Focal Length: 29 mm  
 Field of View: 63°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 11  
 10.40 km to the nearest turbine  
 6.46 miles to the nearest turbine

**Turbines with Some Visibility**

B16-B21, C1-C8, D1-D3

**When printed on 11"x17" paper:**

Hold the print 13 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.29" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint represents the view of the roadway traveler on the Columbia River Highway (Highway 30) southeast of the project area. This view has a higher scenic quality and is more representative of the high quality views within the Columbia Gorge area. The foreground, middle ground, and background all have an above average arrangement of spaces in the landscape. The view appears intact and has a unity with the road and even the transmission line that is visible in the middle ground. The landscape provides diversity but not to the extent of clutter. This view is rated moderately high for scenic quality.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 5 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway travelers/sightseers), and the scenic quality rating, the level of sensitivity was rated as moderate.

**Impacts**

From Viewpoint 19, approximately nine turbines are visible in the distant background. Figure 4.2-22 shows the simulated view. Although the turbines would be visible in the background the viewer would have to have a focused orientation to see them in the landscape. The amount of turbines and the limited prominence based on the distance is expected to have a minimal effect on the scenic quality from this viewpoint. The potential visual impact from this viewpoint would be low.



**Visualization Exhibit**

**Viewpoint 20**

**State Route 35**

Figure 4.2-23 in the ASC

December 2010

**Viewpoint Information**

May 27, 2008, 4:12 PM  
 45°37'37" N 121°31'14" W  
 Elevation: 222 meters  
 Bearing: 342° (NNW)  
 Photo Focal Length: 40 mm  
 Panorama Focal Length: 88 mm  
 Field of View: 23°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 16  
 14.77 km to the nearest turbine  
 9.18 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A13, F1-F3

**When printed on 11"x17" paper:**

Hold the print 38 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 0.20" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint represents the view from SR 35, which is 4.6 miles south of Hood River. The viewpoint position is somewhat inferior with the industrial complex in the foreground. The middle and backgrounds looking into the project area from the southeast have an average scenic quality. The scenic quality rating for this viewpoint is moderately low.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (greater than 10 miles), the portion of the project that is visible from the viewpoint, the viewer types (roadway travelers/sightseers), and the scenic quality rating, the level of sensitivity was rated as low to moderate.

**Impacts**

From Viewpoint 20, approximately 20 turbines could potentially be seen. Figure 4.2-23 shows the simulated view. Given the distance of more than 10 miles from the viewpoint to the wind turbines, it would be difficult to see them out on the horizon unless the conditions and lighting were perfect. Implementation of the project is not expected to change the scenic quality from this viewpoint. The potential visual impact from this viewpoint would not change from existing.



**Visualization Exhibit**

**Viewpoint 21**

**Kollock-Knapp and Scoggins Road**

Figure 4.2-24 in the ASC

December 2010

**Viewpoint Information**

September 10, 2008, 1:32 PM  
 45°43'54" N 121°35'22" W  
 Elevation: 451 meters  
 Bearing: 310° (NW)  
 Photo Focal Length: 48 mm  
 Panorama Focal Length: 78 mm  
 Field of View: 26°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 4  
 2.2 km to the nearest turbine  
 1.37 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A4

**When printed on 11"x17" paper:**

Hold the print 33 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 1.34" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint represents the view from local area roadways at specific intersections where local area travelers might converge. These roads are old logging roads that have been upgraded to meet the local residential use. However, they are still used for logging and would be used in the construction portion of this project. This would include upgrading and in some instances widening the roads, which can have an effect on visual quality. The viewpoint position is somewhat inferior with the orchard fence in the foreground. The middle and background views are lost due to the foreground screening. The scenic quality rating assigned to this view is moderately low.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (1.5 miles), the portion of the project that is visible from the viewpoint, the viewer types (local area workers and minimal residences), and the scenic quality rating, the level of sensitivity was rated as low to moderate.

**Impacts**

From Viewpoint 21, approximately three turbines can be seen. Figure 4.2-24 shows the simulated view. This area would be within 1.5 miles of the project and the turbines would be highly visible at these intersections. However, minimal use of these roads beyond a few residences and workers reduces the viewer types. Regardless, the impacts of the turbines on the landscape would affect the scenic quality of the view. The potential visual impact from this viewpoint would be moderate.



**Visualization Exhibit**

**Viewpoint 22**

**Cook-Underwood and King Road**

Figure 4.2-25 in the ASC

December 2010

**Viewpoint Information**

September 10, 2008, 2:12 PM  
 45°43'38" N 121°36'34" W  
 Elevation: 400 meters  
 Bearing: 7° (N)  
 Photo Focal Length: 48 mm  
 Panorama Focal Length: 49 mm  
 Field of View: 40°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 7  
 1.77 km to the nearest turbine  
 1.10 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A8

**When printed on 11"x17" paper:**

Hold the print 22 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 1.63"-tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint represents the view from local area roadways at specific intersections where local area travelers and workers might converge. These roads are old logging roads that have been upgraded to meet the local residential and commercial use. However, they are still used for logging and would be used in the construction portion of this project. This would include upgrading and in some instances widening the roads, which can have an effect on visual quality. The view from this intersection is very pastoral with a feeling of unity and intactness. Beyond the orchard in the middle ground, which adds some diversity to the composition, the view is above average for the area. The scenic quality rating assigned to this view is moderately high.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (1.5 miles), the portion of the project that is visible from the viewpoint, the viewer types (local area workers and minimal residences), and the scenic quality rating, the level of sensitivity was rated as moderate.

**Impacts**

From Viewpoint 22, approximately seven of the 22 turbines can be seen. Figure 4.2-25 shows the simulated view. This area would be within two miles of the project and the turbines would be highly visible at these intersections. However, minimal use of these roads beyond a few area residences and workers reduces the viewer types and the viewer numbers. Regardless, the impacts of the turbines on the landscape would affect the scenic quality of the view for those viewers. The potential visual impact from this viewpoint would be moderate.



**Visualization Exhibit**

**Viewpoint 23**

**Ausplund Road End**

Figure 4.2-26 in the ASC

December 2010

**Viewpoint Information**

September 10, 2008, 1:59 PM  
 45°44'15" N 121°36'07" W  
 Elevation: 482 meters  
 Bearing: 345° (NNW)  
 Photo Focal Length: 34 mm  
 Panorama Focal Length: 32 mm  
 Field of View: 58°

**Turbine Information**

Hub Height: 80 meters  
 Rotor Diameter: 93 meters  
 Number of hubs visible: 8  
 1.02 km to the nearest turbine  
 0.64 miles to the nearest turbine

**Turbines with Some Visibility**

A1-A8

**When printed on 11"x17" paper:**

Hold the print 15 inches from your eye to replicate the real-world visual size.

**When standing at viewpoint:**

the nearest turbine's apparent height would equal a 2.77" -tall object held 24" from your eye.

Note: The simulation above is based on the Project layout proposed in the ASC. However, because the original simulations in the ASC were mistakenly created using a slightly different Project layout, the number of visible turbines referenced in the text quoted to the right is not necessarily correct and the "Turbines with Some Visibility" identified to the left may differ from the ASC.

**Visual Impact Analysis Text** (from Section 4.2.3 of the ASC)

**Scenic Quality**

This viewpoint represents the view from local area roadways at specific intersections where local area travelers might converge. These roads are old logging roads that have been upgraded to meet the local residential use. However, they are still used for logging and would be used in the construction portion of this project. This would include upgrading and in some instances widening the roads which can have an affect on visual quality. This view is from the end of the Ausplund Road, which would be used to access the area for construction and maintenance. Very few viewers beyond those associated with the project would see this viewshed. Taking out the vehicles in the foreground, the scenic quality rating assigned to this view is moderate.

**Viewer Sensitivity**

When considering the distance of the project from this viewpoint (less than 1 mile), the portion of the project that is visible from the viewpoint, the viewer types (local area workers and residence), and the scenic quality rating, the level of sensitivity was rated as low to moderate.

**Impacts**

From Viewpoint 23, approximately eight turbines can be seen. Figure 4.2-26 shows the simulated view. This area would be within one mile of the project and the turbines would be highly visible at the end of this project access road. However, very minimal use of these roads beyond workers associated with forest management reduces the viewer types. Regardless, the impacts of the turbines on the landscape would affect the scenic quality of the view. The potential visual impact from this viewpoint would be moderate.