APPENDIX Q: VISUAL SIMULATIONS
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 6 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 6 inches from the eye.

View direction (deg): 244
Horizontal field of view (deg): 75
Vertical field of view (deg): 20
Max. WTGs within field of view: 244 / 150
Max. Visible WTGs at tip height: 199 / 137
Max. Visible WTGs at hub height: 148 / 107
Closest WTG (mi): 5.2 / 5.8
Furthest WTG (mi): 26.8 / 26.5
Closest Solar Array (mi): No view
Closest Transmission Line (mi): No view

1 inch = 5 miles at 11x17

NOT FOR CONSTRUCTION
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.

View direction (deg): ___________________ 132
Horizontal field of view (deg): __________ 57
Vertical field of view (deg): ____________ 15
Max. WTGs within field of view: 75 / 38
Max. Visible WTGs at tip height: 56 / 29
Max. Visible WTGs at hub height: 50 / 24
Closest WTG (mi): ______________ 3.9 / 4.8
Furthest WTG (mi): __________ 13.4 / 13.0
Closest Solar Array (mi): __________ No view
Closest Transmission Line (mi): __________ No view

Figure 2
Representative Viewpoint 2a
Existing Conditions
and Project Simulations

Benton County, WA
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.

View direction (deg): 189
Horizontal field of view (deg): 57
Vertical field of view (deg): 15
Max. WTGs within field of view: 37 / 19
Max. Visible WTGs at tip height: 36 / 19
Max. Visible WTGs at hub height: 30 / 17
Closest WTG (mi): 3.0 / 3.5
Furthest WTG (mi): 6.2 / 5.9
Closest Solar Array (mi): No view
Closest Transmission Line (mi): No view

1 inch = 5 miles at 11x17
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.

View direction (deg): ........................... 128
Horizontal field of view (deg): ............... 56
Vertical field of view (deg): .................. 15
Max. WTGs within field of view: .... 244 / 150
Max. Visible WTGs at tip height: .... 239 / 150
Max. Visible WTGs at hub height: 219 / 139
Closest WTG (mi): ......................... 2.5 / 2.8
Furthest WTG (mi): ....................... 28.1 / 27.6
Closest Solar Array (mi): .................. 2.1
Closest Transmission Line (mi): ........... 4.2

1 inch = 5 miles at 11x17

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- View direction (deg): 350
- Horizontal field of view (deg): 57
- Vertical field of view (deg): 15
- Max. WTGs within field of view: 163 / 110
- Max. Visible WTGs at tip height: 51 / 40
- Max. Visible WTGs at hub height: 34 / 26
- Closest WTG (mi): 7.3 / 7.3
- Furthest WTG (mi): 19.6 / 19.4
- Closest Solar Array (mi): No view
- Closest Transmission Line (mi): 6.5

1 inch = 8 miles at 11x17
To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.
Project Simulation Option 1
244 WTG

Project Simulation Option 2
150 WTG

Existing Conditions

View direction (deg): .................. 236
Horizontal field of view (deg): .... 58
Vertical field of view (deg): ......... 15
Max. WTGs within field of view: 101 / 76
Max. Visible WTGs at tip height: 101 / 76
Max. Visible WTGs at hub height: 101 / 76
Closest WTG (mi): ..................... 4.7 / 4.7
Farthest WTG (mi): ................. 9.9 / 9.8
Closest Solar Array (mi): ........ No view
Closest Transmission Line (mi): . No view

To approximate how the project will appear to a
viewer in the natural setting, this sheet should be
printed at 11 x 17 inches, full size with no scaling,
and viewed at 8 inches from the eye. If viewed
on a computer monitor, the document should be
scaled at 100% and viewed at 8 inches from the
eye.

NOT FOR CONSTRUCTION

1 inch = 5 miles
at 11x17

Figure 8
Representative Viewpoint 5
Existing Conditions
and Project Simulations
BENTON COUNTY, WA

Viewpoint Location and
Photo Direction
- Project Lease Boundary
- Proposed Turbine Location
- Proposed Substation
- Proposed Transmission Line

View direction (deg): .................. 236
Horizontal field of view (deg): .... 58
Vertical field of view (deg): ......... 15
Max. WTGs within field of view: 101 / 76
Max. Visible WTGs at tip height: 101 / 76
Max. Visible WTGs at hub height: 101 / 76
Closest WTG (mi): ..................... 4.7 / 4.7
Farthest WTG (mi): ................. 9.9 / 9.8
Closest Solar Array (mi): ........ No view
Closest Transmission Line (mi): . No view

To approximate how the project will appear to a
viewer in the natural setting, this sheet should be
printed at 11 x 17 inches, full size with no scaling,
and viewed at 8 inches from the eye. If viewed
on a computer monitor, the document should be
scaled at 100% and viewed at 8 inches from the
eye.

NOT FOR CONSTRUCTION

1 inch = 5 miles
at 11x17

Figure 8
Representative Viewpoint 5
Existing Conditions
and Project Simulations
BENTON COUNTY, WA

Viewpoint Location and
Photo Direction
- Project Lease Boundary
- Proposed Turbine Location
- Proposed Substation
- Proposed Transmission Line

View direction (deg): .................. 236
Horizontal field of view (deg): .... 58
Vertical field of view (deg): ......... 15
Max. WTGs within field of view: 101 / 76
Max. Visible WTGs at tip height: 101 / 76
Max. Visible WTGs at hub height: 101 / 76
Closest WTG (mi): ..................... 4.7 / 4.7
Farthest WTG (mi): ................. 9.9 / 9.8
Closest Solar Array (mi): ........ No view
Closest Transmission Line (mi): . No view

To approximate how the project will appear to a
viewer in the natural setting, this sheet should be
printed at 11 x 17 inches, full size with no scaling,
and viewed at 8 inches from the eye. If viewed
on a computer monitor, the document should be
scaled at 100% and viewed at 8 inches from the
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To approximate how the project will appear to a viewer in the natural setting, this sheet should be printed at 11 x 17 inches, full size with no scaling, and viewed at 8 inches from the eye. If viewed on a computer monitor, the document should be scaled at 100% and viewed at 8 inches from the eye.

View direction (deg): ........................... 60
Horizontal field of view (deg): .................... 58
Vertical field of view (deg): ...................... 15
Max. WTGs within field of view: ... 122 / 90
Max. Visible WTGs at tip height: ... 118 / 87
Max. Visible WTGs at hub height: ... 110 / 85
Closest WTG (mi): ....................... 5.8 / 5.8
Furthest WTG (mi): .................... 11.9 / 11.8
Closest Solar Array (mi): .............. 3.1
Closest Transmission Line (mi): ...... 2.2

NOT FOR CONSTRUCTION