

DOMINION VIRGINIA POWER

**Surry-Skiffes Creek 500 kV Transmission Line,
Skiffes Creek-Wheaton 230 kV Transmission Line, and
Skiffes Creek 500 kV-230 kV-115 kV Switching Station**

APPENDIX C

Visual Simulations



Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station



Existing and Proposed Booklet
May 2012

Viewpoint Locations

Viewpoint 01 - State Route 603 (Old Union Road)

Viewpoint 02 - The Glebe Lane

Viewpoint 03 - State Route 611 (Jelly Pond Road)

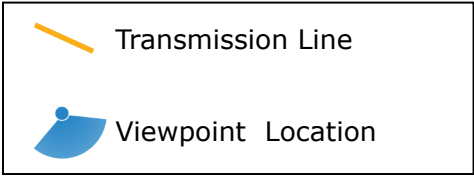
Viewpoint 04 - Opportunity Way

Viewpoint 05 - State Route 60 (Richmond Road)

Viewpoint 06 - Tadich Drive

Viewpoint 07 - Industrial Park Drive

Viewpoint 08 - Devore Avenue



Viewpoint Locations



- Viewpoint 09** - Colonial Parkway
- Viewpoint 10** - Kingsmill Resort and Golf Club from Dock Area
- Viewpoint 11** - Kingsmill Resort and Golf Club from Overlook
- Viewpoint 12** - East End of Jamestown Island
- Viewpoint 13** - Chickahominy River
- Viewpoint 14** - State Route 60 (Pocahontas Trail)
- Viewpoint 15** - View from Main House at Carter's Grove

-  Viewpoint Location
-  Surry Alternative
-  James River Crossing Variation 1
-  James River Crossing Variation 2
-  James River Crossing Variation 3





Viewpoint 01 - State Route 603 (Old Union Road) - Looking Southwest - Existing View



Viewpoint 01 - State Route 603 (Old Union Road) - Looking Southwest - Proposed View



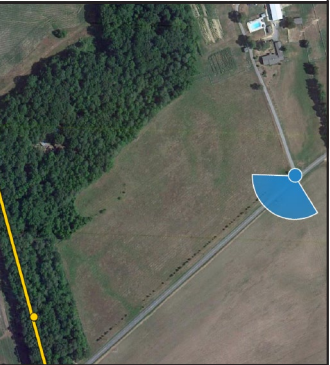
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Viewpoint 01
State Route 603
(Old Union Road)
Looking Southwest

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83)11874532.64

Northing position (Virginia South Zone NAD83)3683557.27

Elevation of viewpoint position (NAD 83) (ft):128.73

Height of camera above ground (ft):5.4

Date of photography:24th November 2011 at 12:39 p.m.

Orientation of view:SW

Horizontal field of view:124°

Vertical field of view:55°

NOTES:

Viewpoint locations have been precision surveyed by
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Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 02 - The Glebe Lane - Looking South - Existing View



Viewpoint 02 - The Glebe Lane - Looking South - Proposed View



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 02

The Glebe Lane
Looking South

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83) **11926711.14**

Northing position (Virginia South Zone NAD83) **3663079.66**

Elevation of viewpoint position (NAD 83) (ft): **112.28**

Height of camera above ground (ft): **5.4**

Date of photography: **26th November 2011 at 10:26 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

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Viewpoint 03 - State Route 611 (Jolly Pond Road) - Looking East - Existing View



Viewpoint 03 - State Route 611 (Jolly Pond Road) - Looking East - Proposed View



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Viewpoint 03

State Route 611
(Jolly Pond Road) - Looking East

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83)**11975622.78**

Northing position(Virginia South Zone NAD83)**3649635.38**

Elevation of viewpoint position (NAD 83) (ft): **105.33**

Height of camera above ground (ft): **5.4**

Date of photography: **25th November 2011 at 3:38 p.m.**

Orientation of view: **E**

Horizontal field of view: **124°**

Vertical field of view: **55°**

NOTES:

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Viewpoint 04 - Opportunity Way - Looking Northeast - Existing View



Viewpoint 04 - Opportunity Way - Looking Northeast - Proposed View

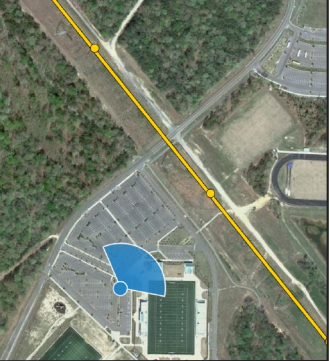


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Viewpoint 04
Opportunity Way - Looking Northeast
Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83)**11988172.46**
Northing position(Virginia South Zone NAD83)**3648281.07**
Elevation of viewpoint position (NAD 83) (ft): **88.42**
Height of camera above ground (ft): **5.4**
Date of photography: **25th November 2011 at 3:15 p.m.**
Orientation of view: **NE**
Horizontal field of view: **124°**
Vertical field of view: **55°**

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Viewpoint 05 - State Route 60 (Richmond Road) - Looking Southeast - Existing View



Viewpoint 05 - State Route 60 (Richmond Road) - Looking Southeast - Proposed View



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 05

State route 60
(Richmond Road) - Looking Southeast

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83)**11998222.64**

Northing position(Virginia South Zone NAD83)**3638658.57**

Elevation of viewpoint position (NAD 83) (ft):**88.34**

Height of camera above ground (ft):**5.4**

Date of photography: **25th November 2011 at 2:33 p.m.**

Orientation of view:**SE**

Horizontal field of view:**124°**

Vertical field of view:**55°**

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Viewpoint 06 - Tadich Drive - Looking North - Existing View



Viewpoint 06 - Tadich Drive - Looking North - Proposed View



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Skiffes Creek 500-230-115 kV Switching Station

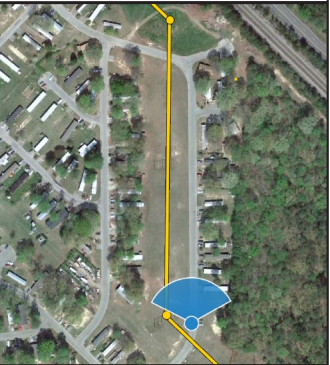
Viewpoint 06

Tadich Drive - Looking North

Existing and Proposed

● Viewpoint Location

— Transmission Line



Easting position (Virginia South Zone NAD83)**12023390.17**
Northing position(Virginia South Zone NAD83)**3609508.25**
Elevation of viewpoint position (NAD 83) (ft): **78.24**
Height of camera above ground (ft): **5.4**
Date of photography: **25th November 2011 at 12.26 p.m.**
Orientation of view: **N**
Horizontal field of view: **124°**
Vertical field of view: **55°**

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Viewpoint 07 - Industrial Park Drive - Looking Northwest - Existing View



Viewpoint 07 - Industrial Park Drive - Looking Northwest - Proposed View



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 07

Industrial Park Drive
Looking Northwest

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83)**12032432.96**

Northing position (Virginia South Zone NAD83) **3608598.23**

Elevation of viewpoint position (NAD 83) (ft): **74.75**

Height of camera above ground (ft): **5.4**

Date of photography: **25th November 2011 at 11.59 a.m.**

Orientation of view: **NW**

Horizontal field of view: **124°**

Vertical field of view: **55°**

NOTES:

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Viewpoint 08 - Devore Avenue - Looking North - Existing View



Viewpoint 08 - Devore Avenue - Looking North - Proposed View



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Skiffes Creek 500-230-115 kV Switching Station

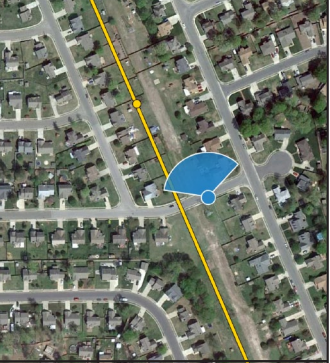
Viewpoint 08

Devore Avenue - Looking North

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83) **12082086.90**
Northing position (Virginia South Zone NAD83)**3551572.88**
Elevation of viewpoint position (NAD 83) (ft): **20.30**
Height of camera above ground (ft): **5.4**
Date of photography: **25th November 2011 at 9.35 a.m.**
Orientation of view: **N**
Horizontal field of view: **124°**
Vertical field of view: **55°**

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Viewpoint 09 - Colonial Parkway – Looking Southeast - Existing View



Viewpoint 09 - Colonial Parkway – Looking Southeast - Surry Alternative - Proposed View
White box indicates enlargement area (see next page)



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Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 09
Colonial Parkway – Looking Southeast
Surry Alternative

Existing and Proposed View

● Viewpoint Location

● Tower Position

— Surry Alternative



Easting position (Virginia South Zone NAD83) **12007386.5**
Northing position (Virginia South Zone NAD83) **3608577.6**
Elevation of viewpoint position (NAD 83 / ft): **7.4**
Height of camera above ground (ft): **5.4**
Date of photography: **7th February 2012 at 7:17 a.m.**
Orientation of view: **SE**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **4.4**

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Viewpoint 09 - Colonial Parkway – Looking Southeast - **Surry Alternative - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 09 - Colonial Parkway – Looking Southeast - Existing View



Viewpoint 09 - Colonial Parkway – Looking Southeast - James River Crossing Variation 1 - Proposed View
White box indicates enlargement area (see next page)



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 09
Colonial Parkway – Looking Southeast
James River Crossing Variation 1

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 1



Easting position (Virginia South Zone NAD83) **12007386.5**

Northing position (Virginia South Zone NAD83) **3608577.6**

Elevation of viewpoint position (NAD 83 / ft): **7.4**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 7:17 a.m.**

Orientation of view: **SE**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.57**

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Viewpoint 09 - Colonial Parkway – Looking Southeast - **James River Crossing Variation 1 - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 09 - Colonial Parkway – Looking Southeast - Existing View



Viewpoint 09 - Colonial Parkway – Looking Southeast - James River Crossing Variation 2 - Proposed View
White box indicates enlargement area (see next page)



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 09
Colonial Parkway – Looking Southeast
James River Crossing Variation 2

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 2



Easting position (Virginia South Zone NAD83) **12007386.5**

Northing position (Virginia South Zone NAD83) **3608577.6**

Elevation of viewpoint position (NAD 83 / ft): **7.4**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 7:17 a.m.**

Orientation of view: **SE**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **4.21**

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Viewpoint 09 - Colonial Parkway – Looking Southeast - **James River Crossing Variation 2 - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 09 - Colonial Parkway – Looking Southeast - **Existing View**



Viewpoint 09 - Colonial Parkway – Looking Southeast - **James River Crossing Variation 3** - **Proposed View**
White box indicates enlargement area (see next page)



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 09
Colonial Parkway – Looking Southeast
James River Crossing Variation 3

Existing and Proposed View

Viewpoint Location
Tower Position
James River Crossing Variation 3



Easting position (Virginia South Zone NAD83) **12007386.5**
Northing position (Virginia South Zone NAD83) **3608577.6**
Elevation of viewpoint position (NAD 83 / ft): **7.4**
Height of camera above ground (ft): **5.4**
Date of photography: **7th February 2012 at 7:17 a.m.**
Orientation of view: **SE**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **3.79**

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Viewpoint 09 - Colonial Parkway – Looking Southeast - **James River Crossing Variation 3 - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - Existing View



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - Surry Alternative - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 10
Kingsmill Resort and Golf Club from Dock Area - Looking South
Surry Alternative

Existing and Proposed View

Viewpoint Location

Tower Position

Surry Alternative



Easting position (Virginia South Zone NAD83) **12017825.6**

Northing position (Virginia South Zone NAD83) **3609977.7**

Elevation of viewpoint position (NAD 83 / ft): **13.9**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:00 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.52**

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Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - Surry Alternative - Proposed View

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **Existing View**



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **James River Crossing Variation 1** - **Proposed View**
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 10
Kingsmill Resort and Golf Club from
Dock Area - Looking South
James River Crossing Variation 1

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 1



Easting position (Virginia South Zone NAD83) **12017825.6**

Northing position (Virginia South Zone NAD83) **3609977.7**

Elevation of viewpoint position (NAD 83 / ft): **13.9**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:00 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.04**

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Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **James River Crossing Variation 1 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **Existing View**



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **James River Crossing Variation 2** - **Proposed View**
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 10
Kingsmill Resort and Golf Club from Dock Area - Looking South
James River Crossing Variation 2

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 2



Easting position (Virginia South Zone NAD83) **12017825.6**

Northing position (Virginia South Zone NAD83) **3609977.7**

Elevation of viewpoint position (NAD 83 / ft): **13.9**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:00 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.04**

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Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **James River Crossing Variation 2 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - Existing View



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - James River Crossing Variation 3 - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 10
Kingsmill Resort and Golf Club from
Dock Area - Looking South
James River Crossing Variation 3

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 3



Easting position (Virginia South Zone NAD83) **12017825.6**

Northing position (Virginia South Zone NAD83) **3609977.7**

Elevation of viewpoint position (NAD 83 / ft): **13.9**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:00 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **2.67**

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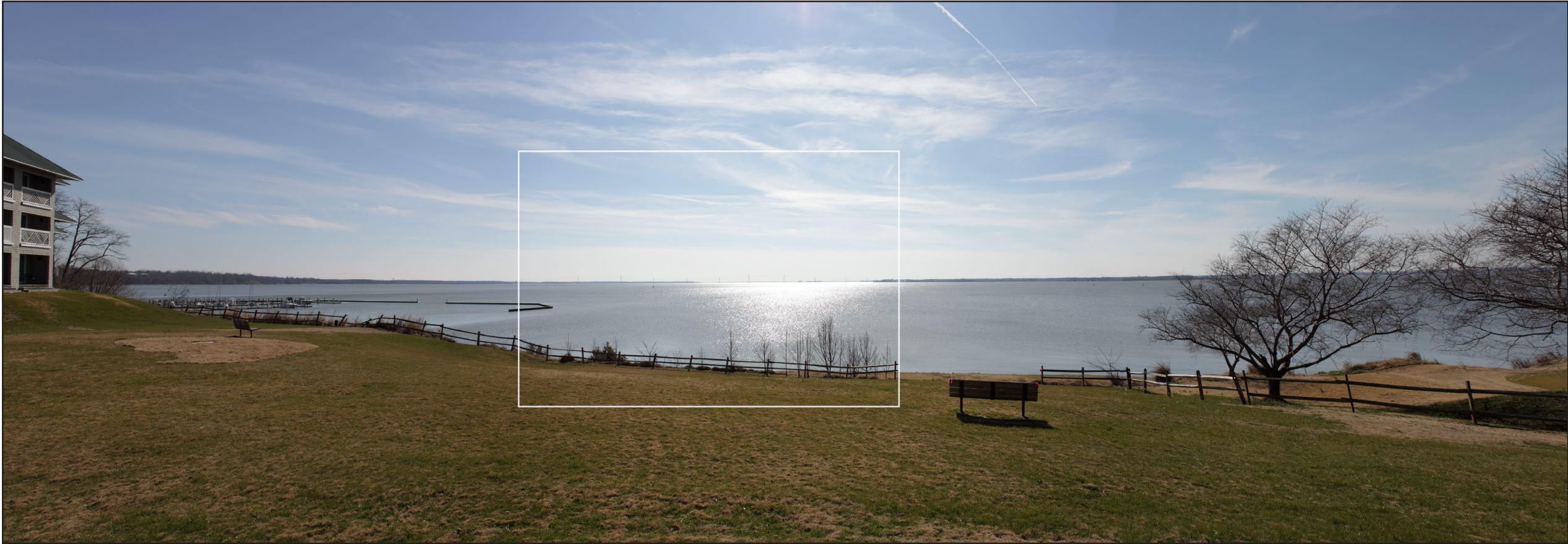
Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 10 - Kingsmill Resort and Golf Club from Dock Area - Looking South - **James River Crossing Variation 3 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - Existing View



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - Surry Alternative - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 11
Kingsmill Resort and Golf Club from
Overlook - Looking South
Surry Alternative

Existing and Proposed View

●

Viewpoint Location

●

Tower Position

—

Surry Alternative



Easting position (Virginia South Zone NAD83) **12016668.4**

Northing position (Virginia South Zone NAD83) **3610148.9**

Elevation of viewpoint position (NAD 83 / ft): **35.8**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:42 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.67**

NOTES:

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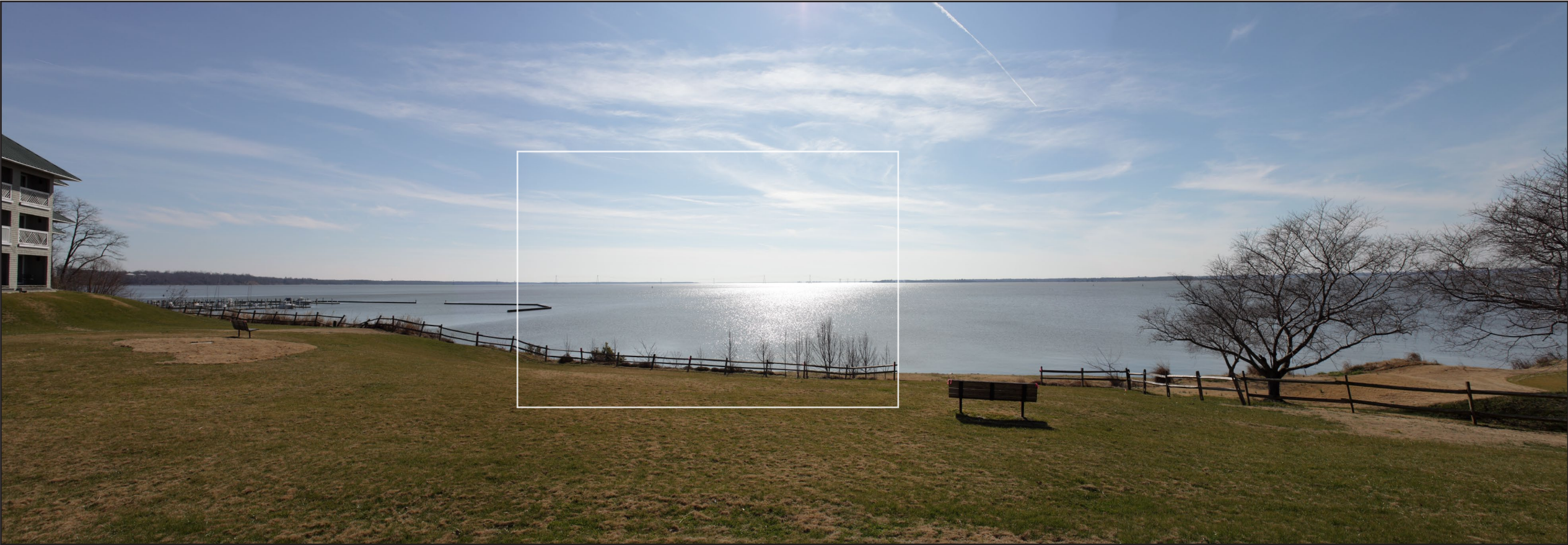


Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - **Surry Alternative - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - Existing View



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - James River Crossing Variation 1 - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 11
Kingsmill Resort and Golf Club from
Overlook - Looking South
James River Crossing Variation 1

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 1



Easting position (Virginia South Zone NAD83) **12016668.4**

Northing position (Virginia South Zone NAD83) **3610148.9**

Elevation of viewpoint position (NAD 83 / ft): **35.8**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 8:42 a.m.**

Orientation of view: **S**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.14**

NOTES:

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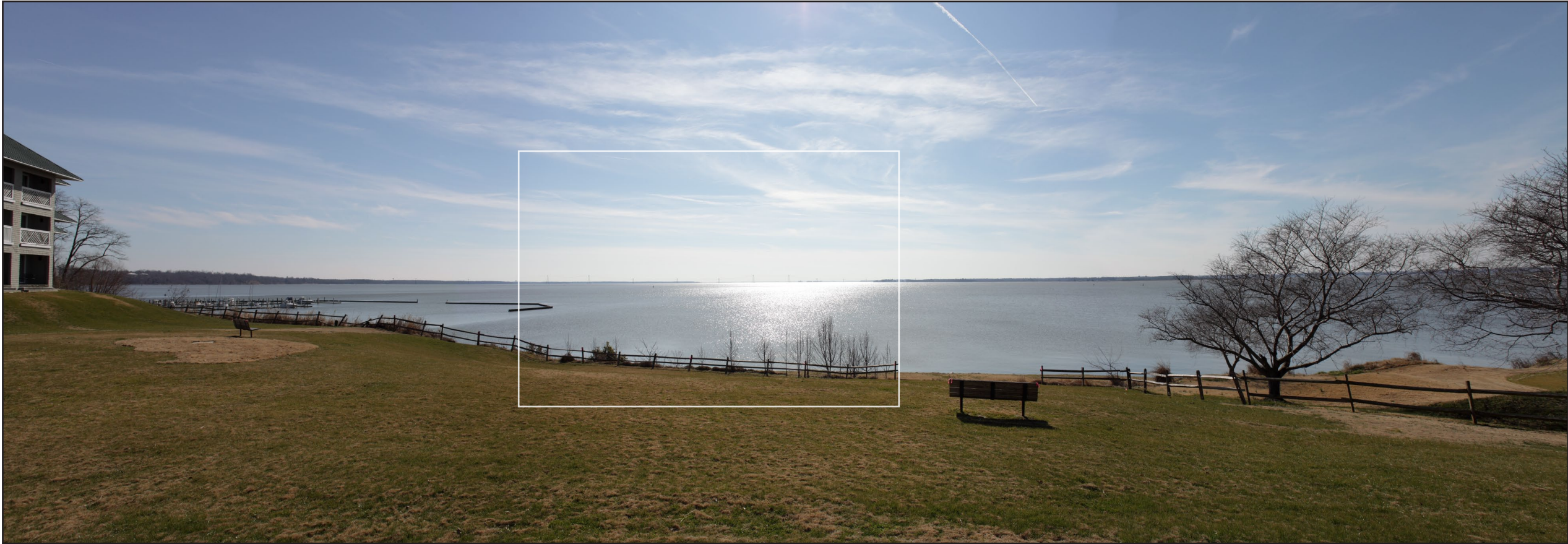
Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - **James River Crossing Variation 1 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - Existing View



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - James River Crossing Variation 2 - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 11
Kingsmill Resort and Golf Club from Overlook - Looking South
James River Crossing Variation 2

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 2



Easting position (Virginia South Zone NAD83) **12016668.4**
Northing position (Virginia South Zone NAD83) **3610148.9**
Elevation of viewpoint position (NAD 83 / ft): **35.8**
Height of camera above ground (ft): **5.4**
Date of photography: **7th February 2012 at 8:42 a.m.**
Orientation of view: **S**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **3.24**

NOTES:

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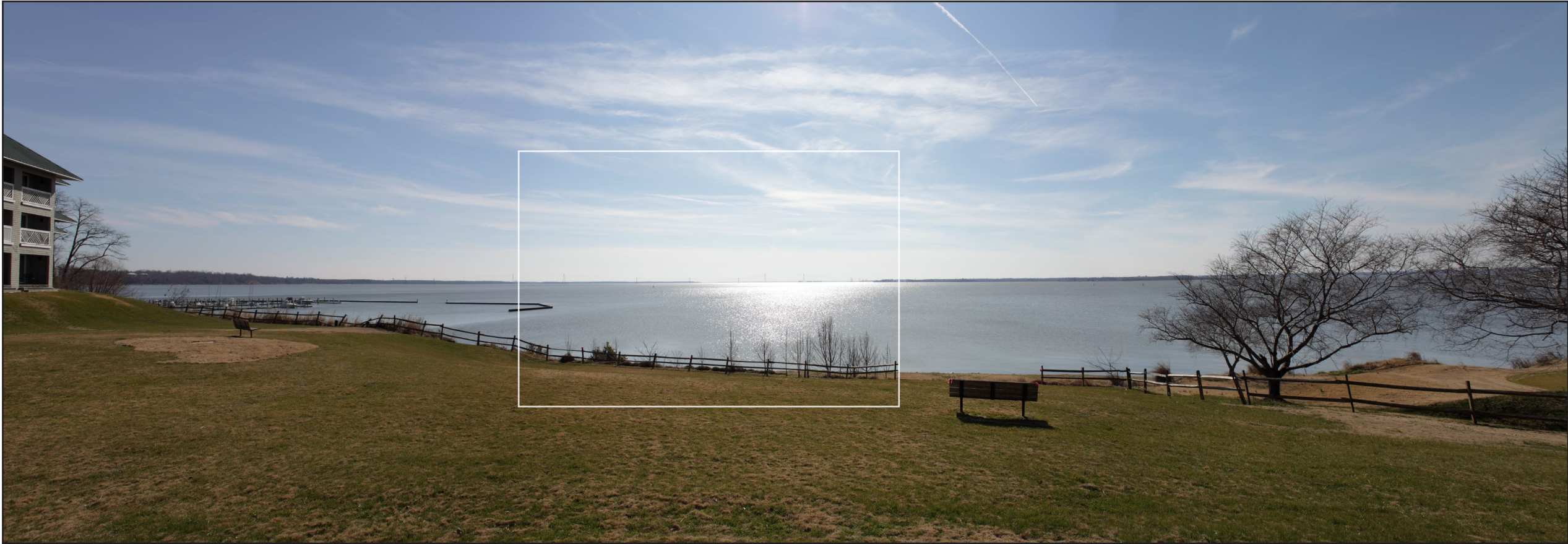
Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - **James River Crossing Variation 2 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - Existing View



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - James River Crossing Variation 3 - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 11
Kingsmill Resort and Golf Club from
Overlook - Looking South
James River Crossing Variation 3

Existing and Proposed View

●

Viewpoint Location

●

Tower Position

—

James River Crossing Variation 3



Easting position (Virginia South Zone NAD83) **12016668.4**
Northing position (Virginia South Zone NAD83) **3610148.9**
Elevation of viewpoint position (NAD 83 / ft): **35.8**
Height of camera above ground (ft): **5.4**
Date of photography: **7th February 2012 at 8:42 a.m.**
Orientation of view: **S**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **2.82**

NOTES:

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Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 11 - Kingsmill Resort and Golf Club from Overlook - Looking South - **James River Crossing Variation 3 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - Existing View



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - Surry Alternative - Proposed View
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 12
East End of Jamestown Island
- Looking Southeast
Surry Alternative

Existing and Proposed View

•

Viewpoint Location

•

Tower Position

—

Surry Alternative



Easting position (Virginia South Zone NAD83) **11996924.8**

Northing position (Virginia South Zone NAD83) **3602298.2**

Elevation of viewpoint position (NAD 83 / ft): **1.4**

Height of camera above ground (ft): **5.4**

Date of photography: **28th February 2012 at 11:23 a.m.**

Orientation of view: **SE**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.52**

NOTES:

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Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **Surry Alternative** - **Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **Existing View**



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 1** - **Proposed View**
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 12
East End of Jamestown Island
- Looking Southeast
James River Crossing Variation 1

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 1



Easting position (Virginia South Zone NAD83) **11996924.8**

Northing position (Virginia South Zone NAD83) **3602298.2**

Elevation of viewpoint position (NAD 83 / ft): **1.4**

Height of camera above ground (ft): **5.4**

Date of photography: **28th February 2012 at 11:23 a.m.**

Orientation of view: **SE**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **3.52**

NOTES:

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Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 1** - Proposed View
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **Existing View**



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 2 - Proposed View**
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 12
East End of Jamestown Island
- Looking Southeast
James River Crossing Variation 2

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 2



Easting position (Virginia South Zone NAD83) **11996924.8**
Northing position (Virginia South Zone NAD83) **3602298.2**
Elevation of viewpoint position (NAD 83 / ft): **1.4**
Height of camera above ground (ft): **5.4**
Date of photography: **28th February 2012 at 11:23 a.m.**
Orientation of view: **SE**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **3.52**

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Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 2 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **Existing View**



Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 3** - **Proposed View**
White box indicates enlargement area (see next page)



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 12
East End of Jamestown Island
- Looking Southeast
James River Crossing Variation 3

Existing and Proposed View

● Viewpoint Location

● Tower Position

— James River Crossing Variation 3



Easting position (Virginia South Zone NAD83) **11996924.8**
Northing position (Virginia South Zone NAD83) **3602298.2**
Elevation of viewpoint position (NAD 83 / ft): **1.4**
Height of camera above ground (ft): **5.4**
Date of photography: **28th February 2012 at 11:23 a.m.**
Orientation of view: **SE**
Horizontal field of view: **124°**
Vertical field of view: **55°**
Distance to Closest Visible Tower (miles) **3.52**

NOTES:

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Viewpoint 12 - East End of Jamestown Island - Looking Southeast - **James River Crossing Variation 3 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 13 - Chickahominy River - Looking Northwest - Existing View



Viewpoint 13 - Chickahominy River - Looking Northwest - Proposed View



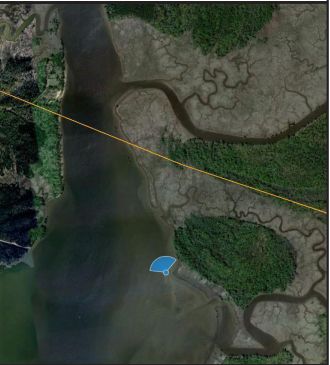
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Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 13
Chickahominy River
- Looking Northwest

Existing and Proposed

• Viewpoint Location

— Transmission Line



Easting position (Virginia South Zone NAD83) 11957071.8
Northing position (Virginia South Zone NAD83) 3642439.1
Elevation of viewpoint position (NAD 83 / ft): 1.3
Height of camera above ground (ft): 5.4
Date of photography: 7th February 2012 at 12:53 p.m.
Orientation of view: NW
Horizontal field of view: 124°
Vertical field of view: 55°
Distance to Closest Tower (miles) 0.49

NOTES:

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Viewpoint 13 - Chickahominy River - Looking Northwest - **Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 14 - State Route 60 (Pocahontas Trail) - Looking Northeast - Existing View



Viewpoint 14 - State Route 60 (Pocahontas Trail) - Looking Northeast - Proposed View



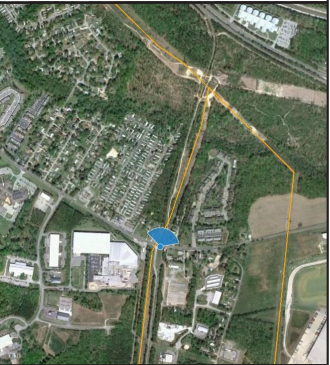
Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 14
State Route 60 (Pocahontas Trail)
- Looking Northeast

Existing and Proposed

Viewpoint Location

Transmission Line



Easting position (Virginia South Zone NAD83) **12033637.9**

Northing position (Virginia South Zone NAD83) **3604410.7**

Elevation of viewpoint position (NAD 83 / ft): **63.3**

Height of camera above ground (ft): **5.4**

Date of photography: **7th February 2012 at 9:08 a.m.**

Orientation of view: **NE**

Horizontal field of view: **124°**

Vertical field of view: **55°**

NOTES:

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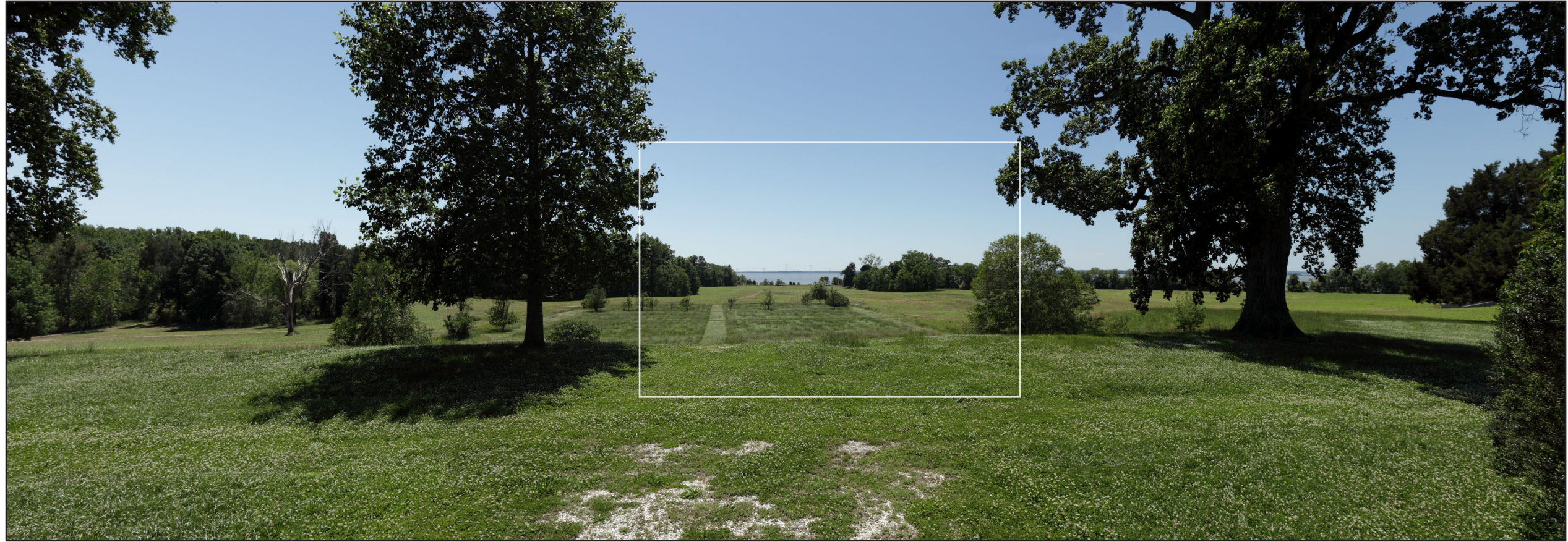
DATE

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Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest – Existing View



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest – Surry Alternative - Proposed View



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 15

View from Main House at Carter’s Grove
Looking Southwest
Surry Alternative
Existing and Proposed

Viewpoint Location
Tower Position
Surry Alternative



Easting position (Virginia South Zone NAD83) **12028981.5**

Northing position (Virginia South Zone NAD83) **3604320.9**

Elevation of viewpoint position (NAD 83 / ft): **68.0**

Height of camera above ground (ft): **5.4**

Date of photography: **11-May-12 at 1:22 p.m.**

Orientation of view: **SW**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **2.46**

NOTES:

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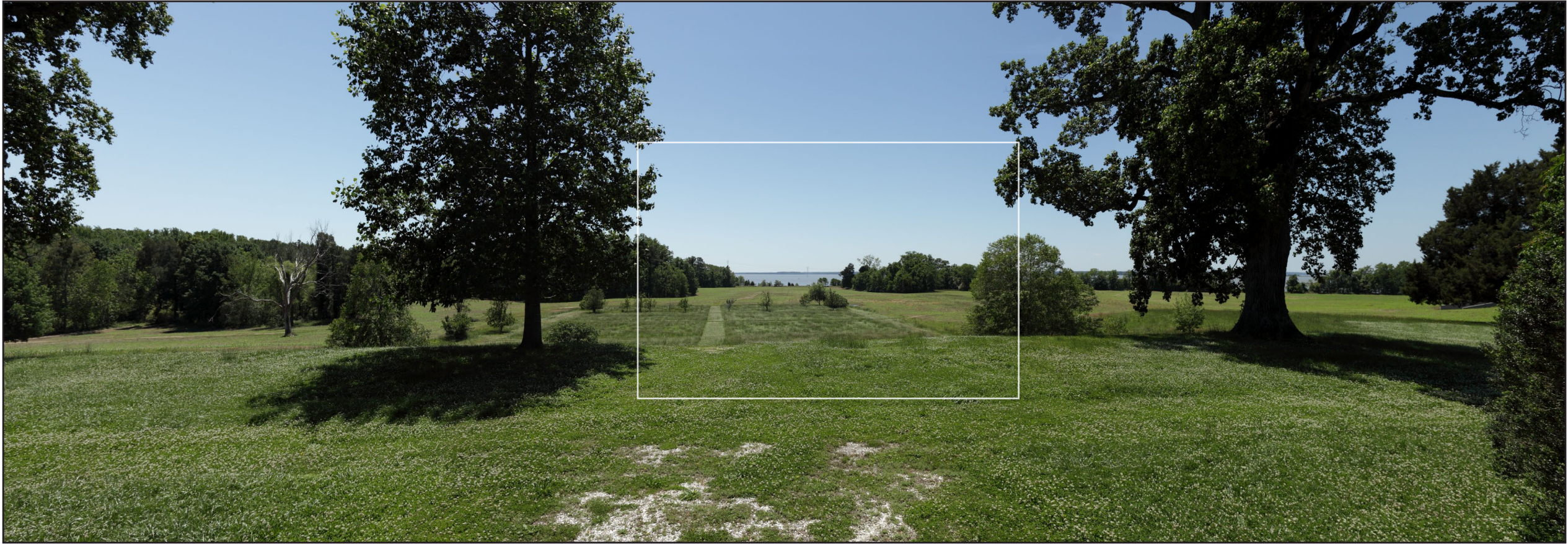


Viewpoint 15 - View from Main House at Carter's Grove - Looking Southwest – **Surry Alternative - Proposed View**

Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest - Existing View



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest - James River Crossing Variation 1 - Proposed View



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 15

View from Main House at Carter’s Grove
Looking Southwest

James River Crossing Variation 1
Existing and Proposed

● Viewpoint Location

● Tower Position

— James River Crossing Variation 1



Easting position (Virginia South Zone NAD83) **12028981.5**

Northing position (Virginia South Zone NAD83) **3604320.9**

Elevation of viewpoint position (NAD 83 / ft): **68.0**

Height of camera above ground (ft): **5.4**

Date of photography: **11-May-12 at 1:22 p.m.**

Orientation of view: **SW**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **1.76**

NOTES:

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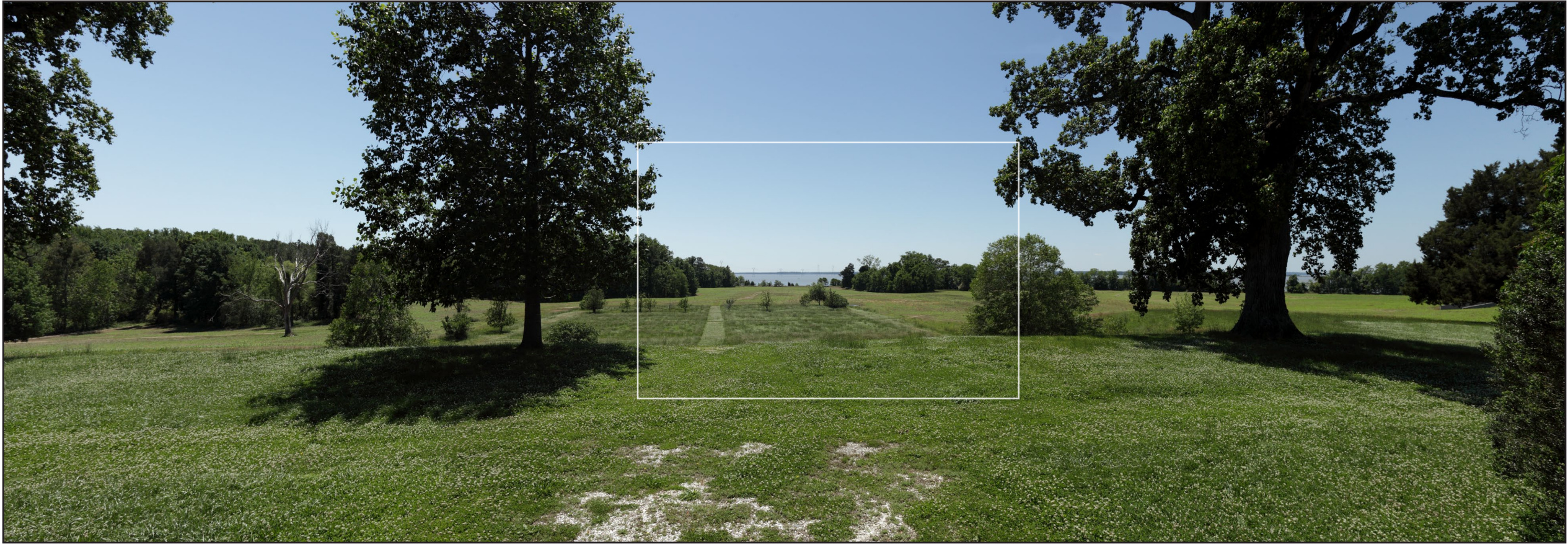
Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 15 - View from Main House at Carter's Grove - Looking Southwest – **James River Crossing Variation 1 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest - Existing View



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest - James River Crossing Variation 2 - Proposed View



Dominion[®]
Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 15

View from Main House at Carter’s Grove
Looking Southwest
James River Crossing Variation 2
Existing and Proposed

●

Viewpoint Location

●

Tower Position

—

James River Crossing Variation 2



Easting position (Virginia South Zone NAD83) **12028981.5**

Northing position (Virginia South Zone NAD83) **3604320.9**

Elevation of viewpoint position (NAD 83 / ft): **68.0**

Height of camera above ground (ft): **5.4**

Date of photography: **11-May-12 at 1:22 p.m.**

Orientation of view: **SW**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **1.68**

NOTES:

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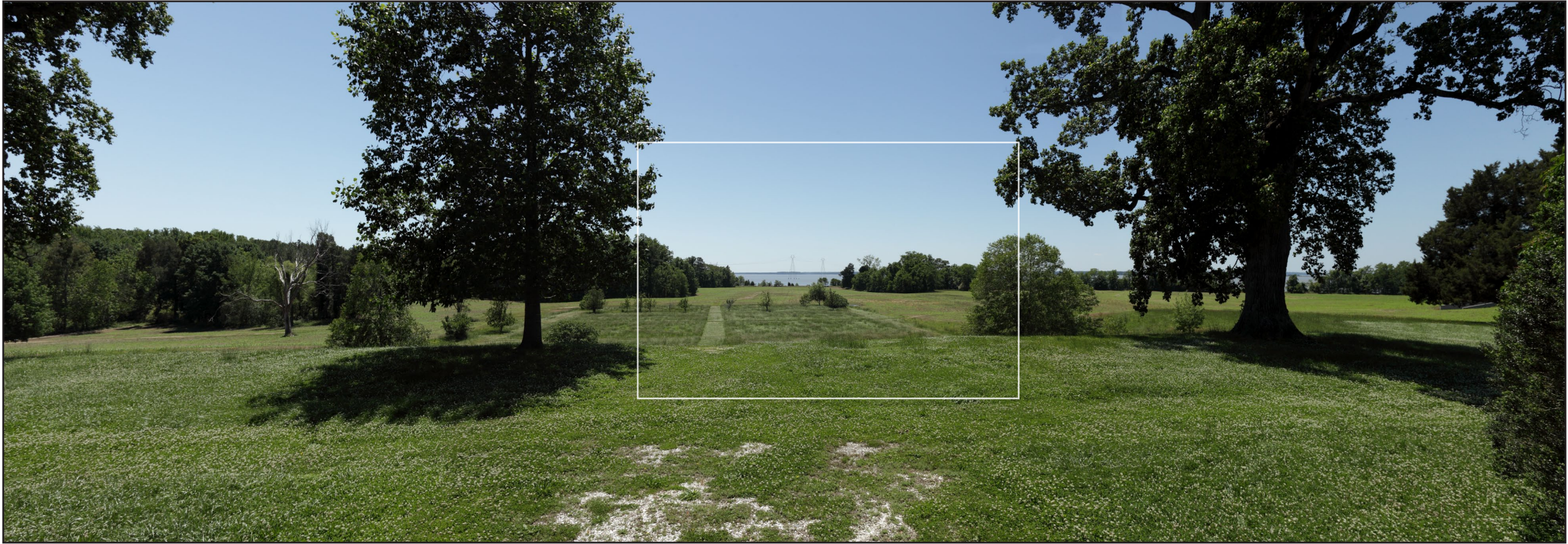
Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 15 - View from Main House at Carter's Grove - Looking Southwest - **James River Crossing Variation 2 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest - Existing View



Viewpoint 15 - View from Main House at Carter’s Grove - Looking Southwest – James River Crossing Variation 3 - Proposed View



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Surry-Skiffes Creek 500 kV Transmission Line
Skiffes Creek-Wheaton 230 kV Transmission Line
Skiffes Creek 500-230-115 kV Switching Station

Viewpoint 15

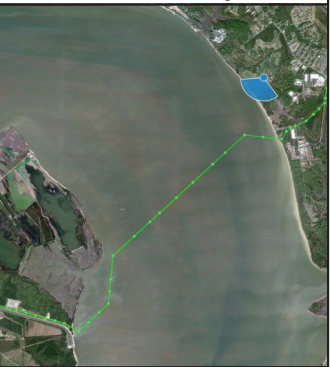
View from Main House at Carter’s Grove
Looking Southwest

James River Crossing Variation 3
Existing and Proposed

● Viewpoint Location

● Tower Position

— James River Crossing Variation 3



Easting position (Virginia South Zone NAD83) **12028981.5**

Northing position (Virginia South Zone NAD83) **3604320.9**

Elevation of viewpoint position (NAD 83 / ft): **68.0**

Height of camera above ground (ft): **5.4**

Date of photography: **11-May-12 at 1:22 p.m.**

Orientation of view: **SW**

Horizontal field of view: **124°**

Vertical field of view: **55°**

Distance to Closest Visible Tower (miles) **0.82**

NOTES:

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Tower placement in simulations is preliminary - final tower locations may change upon final design and survey



Viewpoint 15 - View from Main House at Carter's Grove - Looking Southwest - **James River Crossing Variation 3 - Proposed View**
Enlargement Area of previous page - enlarged to a representative view when printed on a 11 x 17 " page and viewed from approx. 20" distance.