89 "Robert E Richardson" (765331712)
00:29:32.633 --> 00:29:36.959
Good afternoon, everybody. Thank you.

90 "Robert E Richardson" (765331712)
00:29:36.959 --> 00:29:56.959
Very much for joining us today to learn a little bit more about a dominion energy project that we call the Cracken loop, 500 KV electric transmission project. We appreciate your patience with us today. We appreciate.

91 "Robert E Richardson" (765331712)
00:29:56.959 --> 00:30:16.959
Are you bringing your, all of your questions that you might have, and we're gonna ask you to put them in the Q and A and then we will answer them here at the end of this presentation. Today's presentation is being offered also in English and and simultaneous interpretation in Spanish.

92 "Robert E Richardson" (765331712)
00:30:16.959 --> 00:30:35.009
In the Spanish translation room, Carlos is is available to hear the presentation in Spanish Spanish you go to the bottom of your screen, the left hand side and click the globe icon and you can select your preferred language.

93 "Robert E Richardson" (765331712)
00:30:35.009 --> 00:30:55.009
Let me just pause here for people to do that. Okay, my name is Rob Richardson. I am part of the electric transmission team here at Dominion Energy and again, just a quick thank you for all of you joining us for our 1st virtual meeting on this project.

94 "Robert E Richardson" (765331712)
00:30:55.009 --> 00:31:15.009
We have four upcoming in person community meetings in the next two weeks. These meetings will take place in falch year County tonight. Stafford County on Wednesday just in two days, Wednesday, 12 November. And then next week we have community.

95 "Robert E Richardson" (765331712)
00:31:15.009 --> 00:31:32.549
Many meetings in Louisa County on November the 18th and the Caroline County on Thursday, 20 November. You will find information on these meetings and more information available at our project website, Dominion energy.com.

96 "Robert E Richardson" (765331712)
00:31:32.549 --> 00:31:52.549

Slash cracken. I mentioned the Q and A function is a way to communicate with us today. It's available throughout the presentation. Please ask your questions as they come up there. We we're gonna categorize the questions and then we'll answer as many as we can at that time that we have available.

97 "Robert E Richardson" (765331712)
00:31:52.549 --> 00:32:18.419
Today between noon and and 01:00. If we're not able to answer all the questions, we will prepare responses and post them under the FAQ section of our project website. Again, that's dominion energy.com/crackets. So for about the next 30 min or so, we're gonna be sharing project specific information, as well as maps and proposed routes.

98 "Robert E Richardson" (765331712)
00:32:18.419 --> 00:32:38.419
We're then gonna take a quick break at the end of that presentation, and that's where we're gonna look at all the questions. We're gonna categorize them, we're gonna review them. So if there's any one topic we see that stands out more than any other topic, then we'll address that topic 1st. And it takes just a, just a couple of minutes for us.

99 "Robert E Richardson" (765331712)
00:32:38.419 --> 00:32:58.549
To do that, and then we'll turn on the microphones and the cameras and then answer your questions and and if you have additional questions, please continue to to ask them. If you have a specific question, however, about a particular location or your property, we we would ask you to.

100 "Robert E Richardson" (765331712)
00:32:58.549 --> 00:33:18.549
Leave us some some contact information in there, but you can also utilize another tool online that we call geovoice. Again, it's at the website, dominianergy.com/Cracken and you can go to the geovoice tool and you can leave a specific info question with.

101 "Robert E Richardson" (765331712)
00:33:18.549 --> 00:33:41.359
Your information on that tool. Excuse me. So the information we're gonna share with you today includes information about the project, the need of the project, some information about the background. We're gonna talk about the regulatory process. We're gonna talk about routing for the crack and loop project, which is gonna have a lot of interest, and then.

102 "Robert E Richardson" (765331712)
00:33:41.359 --> 00:34:01.359
This geo voice tool that we have is a powerful tool that allows you to comment on this project, from, you know, from your phone or your computer. And then we're gonna answer your questions today following following the end of this presentation. I've got a lot of colleagues and a lot of subject matter experts here from Dominion and.

103 "Robert E Richardson" (765331712)
00:34:01.359 --> 00:34:23.699

From some of our organizations that we work with. Let me ask you to turn all of your cameras on here. I won't be able to see everyone in the format that I'm using, but let me just call out most of the colleagues here who are, who are here today. Tracy, Matt, Sergio, Brady, Charlotte.

104 "Robert E Richardson" (765331712)
00:34:23.699 --> 00:34:43.679
David Lewis, sorry, Lucas Dupont, Justin, Lucas Craft, Christy, Andre, Jeannie Craig, Mariah, and Grace. A very committed group of folks here who are knowledgeable about all things electric transmission.

105 "Robert E Richardson" (765331712)
00:34:43.679 --> 00:35:03.679
And the projects that we are working on. We're committed to public engagement here at Dominion and we're committed to outreach, and this team is, is the team here that will be here to answer your questions. And with this group of project managers, engineers, routing specialists, communication folks, you'll be in good hands over the next hour or so. Folks, you can.

106 "Robert E Richardson" (765331712)
00:35:03.679 --> 00:35:21.479
And turn your cameras off for now. And I'll tell you that the team that I just mentioned is largely the team that you will see tonight in **** here at our meeting there. So, look forward to, to seeing those folks.

107 "Robert E Richardson" (765331712)
00:35:21.479 --> 00:35:42.919
Let's take a look at the next slide, and our commitment to public engagement because this is very important to us. At community energy, we are committed to public engagement and outreach and we are committed to listening to what you have to say. We are exploring all available options to address questions on this prompt.

108 "Robert E Richardson" (765331712)
00:35:42.919 --> 00:35:50.009
How to minimize the potential impacts.

109 "Robert E Richardson" (765331712)
00:35:50.009 --> 00:36:10.009
The next slide that we want to talk about is a slide that that helps us and helps you understand that to support the electricity needs of your community more broadly to bolster economic growth and workforce development. Dominian Energy is investing in a transmission infrastructure to pro.

110 "Robert E Richardson" (765331712)
00:36:10.009 --> 00:36:44.779
Provide residents and businesses with the reliable, affordable energy that they need for work, school, entertainment, and safety in their daily lives. And what you see on the slide in in front of you is energization, datification and greenification. Energy energy sorry electrification is what what you might think of when you think about, you know, electric vehicles, and then datification.

111 "Robert E Richardson" (765331712)
00:36:44.779 --> 00:37:17.269
Is what you might think of when you think of of data centers and granification is what you might think of when you think about renewable energy, offshore wind, wind power in general and and solar power. And, and all, all of these, all of these things are are Dominian investing in in transmission infrastructure so that we have, the, the, the reliable power that that we all expect to have every day.

112 "Robert E Richardson" (765331712)
00:37:17.269 --> 00:37:37.759
I don't need to tell you about the growth that you see in almost daily in Virginia. The Commonwealth has become an economic powerhouse. It's a magnet for business investment, new jobs relocating families. This makes reliable energy that.

113 "Robert E Richardson" (765331712)
00:37:37.759 --> 00:38:00.809
Much more important. It's vital to our region's health, to our safety, and our economic vitality. Many jobs, organizations, businesses all rely on a robust electric grid to power their local operations. This slide represents the data center market.

114 "Robert E Richardson" (765331712)
00:38:00.809 --> 00:38:20.809
In Virginia. You can see the incredible growth in data center development that we have seen here in Virginia. It really is probably tough to go more than a few days without a headline about data centers and data center development.

115 "Robert E Richardson" (765331712)
00:38:20.809 --> 00:38:48.800
And I think that most people have come to understand that data centers do use an awful lot of energy. The data center market of course has continued to expand towards fairfax, Fockier coal pepper, Stafford. We are projecting a doubling of area substations in northern Virginia, quadrupling area substations in central Virginia and South Side Virginia. Data centers are up.

116 "Robert E Richardson" (765331712)
00:38:48.800 --> 00:39:16.700
Upgrading equipment, they're increasing energy density in the same buildings. The increase in that density is requiring additional energy infrastructure. As we add new electric infrastructure, as we add new power lines, substations to ensure that there's reliable energy to support your homes and your businesses vital government services and data centers, new electric infrastructure improves the reliable.

117 "Robert E Richardson" (765331712)
00:39:16.700 --> 00:39:37.980
Ability for all customers by providing consistent, reliable, and dependable energy. So what does this look like for our communities, for your communities? What does this mean for you? It means that you're gonna

continue to have reliable energy as energy demand grows across Louisa Spotsylvania.

118 "Robert E Richardson" (765331712)
00:39:37.980 --> 00:39:55.770
Caroline Stafford and Falk Here counties. I want to say that one more time to make sure that you all heard it. You will continue to have reliable energy as energy demand grows across Louisa, Spotsylvania, Caroline Stafford and Falk Here counties.

119 "Robert E Richardson" (765331712)
00:39:55.770 --> 00:40:15.770
To support this growth, new energy infrastructure will strengthen the grid and ensure dependable service for homes, for businesses, data centers, and essential government operations. You benefit, we all benefit from a stronger regional grid that supports.

120 "Robert E Richardson" (765331712)
00:40:15.770 --> 00:40:38.960
Everyday life and critical services. Think about hospitals, think about grocery stores, think about the places that you go to get the services that you need every day. Gas stations. So we're working closely with residents, local leaders, other stakeholders.

121 "Robert E Richardson" (765331712)
00:40:38.960 --> 00:41:04.670
To develop solutions that provide lasting value for households, small businesses, and our national security operations. Let's take a look at the energy grid, to, so that you have a better maybe a better understanding of of how the grid works. The the slide here that we're, that we're showing, if you start over on the.

122 "Robert E Richardson" (765331712)
00:41:04.670 --> 00:41:26.450
On the right hand side where the right right under the word transmission lines, that's that's a generation station. It could be oil or natural gas, it could be nuclear, it could be wind or solar, it could be coal. All of those are generating sources on our.

123 "Robert E Richardson" (765331712)
00:41:26.450 --> 00:41:52.340
On our, on our system, and we support and all of the above, when it comes to generation, all of the above strategy. So as power is generated from any one of those sources, it's transmitted on transmission lines to a substation. And you see the word substation there, the power is transmitted to a substation over.

124 "Robert E Richardson" (765331712)
00:41:52.340 --> 00:42:20.450
High voltage power lines where it stepped down to voltages to take that energy to your house over what we call distribution lines. Lower voltage lines that you might see along a main road. You might see distribution lines coming into your neighborhood. You you might see the distribution lines that go to your 7-eleven or your grocery store or your hospital.

125 "Robert E Richardson" (765331712)
00:42:20.450 --> 00:42:36.870
But that that's the way that that electricity moves as it's generated over transmission lines to your home so that when you walk in the door after a long day at work and you turn the light switch on, the lights come on.

126 "Robert E Richardson" (765331712)
00:42:36.870 --> 00:42:56.870
That's the way we like electricity to work. Let's talk a little bit about this Cracken loop project specifically. It's a 500 KV electric transmission line project. 500 KV refers to the voltage. It's a high voltage. It transmits.

127 "Robert E Richardson" (765331712)
00:42:56.870 --> 00:43:17.820
It's a lot of power, we call it bulk electricity into a region to serve substations which in turn then serve homes and businesses. The crack and loop crosses approximately 70 mi through the five counties we've mentioned, Louisa, Spotsylvania Caroline, Stafford and Fuckier counties.

128 "Robert E Richardson" (765331712)
00:43:17.820 --> 00:43:36.570
And this transmission line will connect to the existing North Anna substation at North Anna power Station in Louisa County to the proposed Cracken substation in Caroline county. And then ultimately it will tie into the proposed yeat substation in Falk Here County.

129 "Robert E Richardson" (765331712)
00:43:36.570 --> 00:43:56.570
This investment, this transmission line supports Virginia's energy energy security, it strengthens the grid, and it ensures reliable power for your community, for years to come. Dominion Energy announced this project in October.

130 "Robert E Richardson" (765331712)
00:43:56.570 --> 00:44:27.600
Number of this year and will complete our 1st round of community meetings and public feedback over the next few weeks. We expect to host a second round of community meetings to solici solicit feedback on this project in the 1st half of 2026. Hopefully, those of you who are are on this meeting learned a bit from if you didn't learn about this meeting from a neighbor or a friend or your HOA, you received a letter and a postcard from us.

131 "Robert E Richardson" (765331712)
00:44:27.600 --> 00:44:47.600
Perhaps you saw a digital ad or an ad in the newspaper, whatever way you found out about this meeting, we're glad you're here. We expect to file this project to file an application for this project with the state corporation Commission or or the SCC. It's a three judge panel that is a a state government.

132 "Robert E Richardson" (765331712)

00:44:47.600 --> 00:45:10.310
Agency they sit here in Richmond and we will file that application in the Q2 2026. The state corporation commission, has jurisdiction for electric transmission infrastructure in Virginia and will decide the routing for the project. Once we submit this project to the SCC, it could take nine to twelve months for.

133 "Robert E Richardson" (765331712)
00:45:10.310 --> 00:45:31.610
For a decision when the judges will let us know if we can begin the permitting and construction of this project. Let's talk about PJM for just a, just a few minutes. More more and more folks are, are aware of, of PJM. PJM is what you call a regional transmission operator.

134 "Robert E Richardson" (765331712)
00:45:31.610 --> 00:46:05.300
They operate control the generation and and transmission lines in 13 states in the district of Columbia and they are second here lost lost my lost my place in the script. PJM is a original transmission operator and ultimately they are the organization that decides.

135 "Robert E Richardson" (765331712)
00:46:05.300 --> 00:46:28.610
As the need for a project. So our planning group at Dominion might see the need for a new transmission line because we see growth in an area. We take that project to PJM and on a yearly basis, projects are approved and PJM is the regional.

136 "Robert E Richardson" (765331712)
00:46:28.610 --> 00:46:56.600
Overseer of those projects and they approve them, and if they approve them, then, then they're, then they're built and constructed, and sometimes, you know, PJM might say, we don't see the need for this project at this time, but maybe next year, then we would take that project back. This project is approved by PJM was approved by PJM in February of this year earlier, and, and so now we're, we're.

137 "Robert E Richardson" (765331712)
00:46:56.600 --> 00:47:15.870
Working on 2nd regulatory process, which is to work with the state corporation commission. Let's take a look at the the State corporation commission slide here. So the again the SCC has a has a full staff of of folks and and then ultimately three judges approved by the General Assembly.

138 "Robert E Richardson" (765331712)
00:47:15.870 --> 00:47:35.870
That approve 2nd regulatory process for transmission projects. So, Dominion would take the crack and loop after it's approved from PJM and we would begin to figure out how to connect one substation with another, one substation.

139 "Robert E Richardson" (765331712)
00:47:35.870 --> 00:47:55.870

With a new substation, we would look at the routing process, the outreach process, and determine how we would connect points A, B, and C And so we where we are is, at the communication process now, around a communication around a meeting.

140 "Robert E Richardson" (765331712)
00:47:55.870 --> 00:48:11.730
Things, this, this month and then doing the 1st half of 2026 and then we anticipate filing this project again, like I said with State corporation commission, in in the end of Q2 at 2026.

141 "Robert E Richardson" (765331712)
00:48:11.730 --> 00:48:34.679
As well. I think this is the the routing part of the presentation where we're gonna address the the routing process and and for that, my colleague Mariah is gonna take us down the down the road. Good afternoon Mariah, are you with us here?

142 "Mariah Weitzenkamp" (1286147328)
00:48:34.679 --> 00:48:51.380
Yes, can everyone hear me? Okay, you can ok well we can go to the next slide. My name's Mariah Whiteson camp. I I help with the routing for domains transmission line projects. So when we get appro.

143 "Mariah Weitzenkamp" (1286147328)
00:48:51.380 --> 00:49:11.380
Project we we need to get from A to B, like Rob was talking about, the 1st thing that we will do is kind of create a study area, and you'll see that on the maps coming up. We've got some black and white dashed study areas where we start to look at opportunities and ways that we can come up with the least impactful routes to do that, get from A to B.

144 "Mariah Weitzenkamp" (1286147328)
00:49:11.380 --> 00:49:42.770
One of the 1st things that we'll look at is co location opportunities and that means staying within an existing right of way or sharing, expanding an existing right of way or sharing co locating adjacent to other linear features like, like roads or utility lines. We then start to look at this is kind of a list of some of the constraints that we start to look at in that study area, things that we want to try to avoid or minimize impacts too, which would be homes, schools, places.

145 "Mariah Weitzenkamp" (1286147328)
00:49:42.770 --> 00:50:17.270
Worship recreational areas in the community, environmental justice communities, natural resources, endangered species, we start to connect with stakeholders and find out about plan developments, once we've got kind of all that information, we have for the Cracken project reached out to the county administrators, the county planning and zoning communities, some HOAs, and then once we've come up with some route options, we will bring and when we've gotten some feedback from stakeholders, we'll bring this to the public in these open house formats.

146 "Mariah Weitzenkamp" (1286147328)

00:50:17.270 --> 00:50:43.550
So I'm gonna, I'm gonna share a map, an overview map, so we don't have a ton of time on this call, but I'm gonna start I'm gonna go through some of the different impacts that this project possibly have. So this is kind of zoomed out I'll zoom in a little bit here in a second, but I just wanted to give this overview map that shows that full 70 mi route that Rob was talking.

147 "Mariah Weitzenkamp" (1286147328)
00:50:43.550 --> 00:51:06.090
Talking about it's 500 kilovolt transmission line project, let me just see if we can zoom in here. We start down in Lake Anna at the North Anna substation in Louisa county. And then we cross over into.

148 "Mariah Weitzenkamp" (1286147328)
00:51:06.090 --> 00:51:26.090
Spotsylvania County and move up through Caroline counties up into Stafford and terminate at the proposed substation. This project has been broken, so this is, this is one full length project. You'll see these different colors on here. We've broken the project into different.

149 "Mariah Weitzenkamp" (1286147328)
00:51:26.090 --> 00:51:46.090
Different segments just for ease of discussion, kind of at logical start and endpoints like substation breaks or turns, project turns or changes in transmission line infrastructure. A really important point about this project is that of these 70 mi, approximately 68 of them are plan.

150 "Mariah Weitzenkamp" (1286147328)
00:51:46.090 --> 00:52:04.800
And to stay within, sorry, not 68, approximately 60 of them are a plan to stay within existing transmission and corridors that Dominian already has. So that's a way that we're minimizing impacts to a lot of those resources that we looked at on that slide.

151 "Mariah Weitzenkamp" (1286147328)
00:52:04.800 --> 00:52:24.800
As I said, we don't have a ton of time, so I'll kind of focus on areas where we're gonna have major impacts. Segment one here, the major constraints in this area is, is like Anna. There are a couple of easements, but we're staying with an existing right of way along this segment. We get into segment two here between lady Smith substation and.

152 "Mariah Weitzenkamp" (1286147328)
00:52:24.800 --> 00:52:49.760
The Cracken substation and here the existing segment two corridor that Dominion already owns would need to be expanded in order to fit the cracken line into it. And that expansion is constrained by residences that are built up to that line. So in this area we are looking at Greenfield routes, which is new transmission lines, so you see some of these.

153 "Mariah Weitzenkamp" (1286147328)
00:52:49.760 --> 00:53:13.170

Alternatives and I'll go over that a little bit more in detail in a second here. Along segment three, the constraints are essentially, you know, we're crossing, we're crossing through Carolines Basylvania and up into Stafford County here. We crossed some major water bodies, we crossed the RAPI here, we crossed the ponay, one of the, the major things that were.

154 "Mariah Weitzenkamp" (1286147328)
00:53:13.170 --> 00:53:33.170
Crossing in there is the crose nest state natural area preserve, but this segment again, we're staying within existing right of way for the majority and I've got this nice table here that shows that approximate length and the lines that are already in there. So it's sharing an existing corridor with an existing transmission line.

155 "Mariah Weitzenkamp" (1286147328)
00:53:33.170 --> 00:53:53.810
A long segment four, there are three. This is a 3 mi segment. There are three existing transmission lines in that corridor right now. This segment is going to be what they call rack and rebuild, so they're gonna basically clean out that corridor to make room to fit those three lines plus the crack and line.

156 "Mariah Weitzenkamp" (1286147328)
00:53:53.810 --> 00:54:13.810
So we'll be staying within that existing corridor and not expanding outside of it. Segments five and six, these are, are outside of segment two. These are the areas that we're expecting some, some more impacts to folks because there's not currently existing overhead transmission infrastructure in these segments.

157 "Mariah Weitzenkamp" (1286147328)
00:54:13.810 --> 00:54:33.810
Segment five has two underground 230 kilovolt transmission lines in it. We're proposing to add an overhead transmission line there. Segment six has nothing in it currently, NO NO existing infrastructure at all. Again, this is domain is existing right of way. We would be.

158 "Mariah Weitzenkamp" (1286147328)
00:54:33.810 --> 00:54:57.330
Adding some overhead infrastructure there, and then crossing up through segment seven up into Fockier county. Segment seven, the major constraints are, are mainly VOF or Fockier county easements and some agricultural and forresteral districts. I'm gonna switch over to an.

159 "Mariah Weitzenkamp" (1286147328)
00:54:57.330 --> 00:55:13.530
AGOL site where we can look at some of the constraints in greater detail and I just want to make a note too, at the open houses that are coming up, you'll be able to see a lot of these constraints on constraint maps and some zoomed in maps where you can find your home on.

160 "Mariah Weitzenkamp" (1286147328)
00:55:13.530 --> 00:55:33.530

On in your parcels in relation to the project, and you can also do that on the Dominian Cracken project website. There's a platform called geovoice, where you can search your home and see where you are in relation to the project, as well as see some project simulations to see what this could look like in, in different areas.

161 "Mariah Weitzenkamp" (1286147328)
00:55:33.530 --> 00:55:53.600
So, this is segment two, we're starting at lady Smith sub and ending at the proposed crack and sub when we're looking at this segment and the what we're looking at here this weight kind of white pink boundary is domain is existing right away. There's some kind of darker purple line.

162 "Mariah Weitzenkamp" (1286147328)
00:55:53.600 --> 00:56:17.120
Lines in here that are existing transmission lines, and as I said, so I'm gonna turn on some constraints here. It's gonna look a little messy, but we've got, these yellow blobs are basically 250 ft buffers on any residences in the area, and then these red boundaries are planned developments and then we've got some.

163 "Mariah Weitzenkamp" (1286147328)
00:56:17.120 --> 00:56:37.120
Hashes here that show some conservation easements. So these are the major constraints along segment two that we're looking at. Again, we can't stay within this existing segment two corridor because we need to expand it and there are homes adjacent to it. So these are kind of what we're working around is, the different communities in this area and then.

164 "Mariah Weitzenkamp" (1286147328)
00:56:37.120 --> 00:56:57.120
But there's a planned data center development right here. There's a planned substation right here. So this again, we look at these different constraints, we come up with some route options, and then we, we get impact input from the county, from different, different stakeholders.

165 "Mariah Weitzenkamp" (1286147328)
00:56:57.120 --> 00:57:17.120
And then we bring it to the public. And right here where we've got a few different options. None of these is selected. We're looking for input from the community at this point. So, really encourage you to attend open houses if you're able or use the geo voice platform to provide some input. You can find your home in proximity to these.

166 "Mariah Weitzenkamp" (1286147328)
00:57:17.120 --> 00:57:37.310
Yeah, and I'll just show two, I know we talked briefly in segment three. So that's segment two we're coming up into segment three. The crowsed nest state natural area preserve, is a recreational area. We know there are some trails over towards the east area of that. Again, we're crossing through existing.

167 "Mariah Weitzenkamp" (1286147328)
00:57:37.310 --> 00:58:02.210

Transmission and right of way and not expecting any major impacts to this recreational area. So I'm gonna jump up to segment four, and show just what the existing right of way looks like currently. In this segment, as I mentioned, there are two undergrou.

168 "Mariah Weitzenkamp" (1286147328)
00:58:02.210 --> 00:58:21.180
Ground transmission lines. I'm gonna zoom in a little bit here. So the pink white boundary is dominion's existing right of way. Again, there are those two underground transmission lines in there now and we would be proposing to put the crack in on the cell side of this corridor.

169 "Mariah Weitzenkamp" (1286147328)
00:58:21.180 --> 00:58:41.180
It's about a hundred and 20 ft right of way, and that would be contained within the existing corridor. Along this segment, like I said I think that this is gonna be a new visual impact for folks. This would be a 500 kilovolt transmission line built on monopole structures and.

170 "Mariah Weitzenkamp" (1286147328)
00:58:41.180 --> 00:59:01.180
Rabble show us a picture of what those look like, I think after I'm done here. The, the major impacts anticipated because we're in existing right of way, we're not con we're not creating new right of way, but there are trees within the existing quarter that would need to be cleared, and then there are a couple of recreational spaces that were.

171 "Mariah Weitzenkamp" (1286147328)
00:59:01.180 --> 00:59:21.180
You're aware of that I'll just run through as well. So one of the questions that some folks had, especially when their their home is right up against this existing right of way is how close they'll be to the transmission line. This, this, is the center line here of that 120 ft, right of way that would be needed per kraken.

172 "Mariah Weitzenkamp" (1286147328)
00:59:21.180 --> 00:59:49.490
So if your home was right up against that right of way, it would be about 60 ft to the cracking center line. Within this area, we are aware of the autumn ridge park. This has the existing underground lines kind of on the north edge of it. We would be proposing to span the park, and when what I mean by that is where the structures would be placed outside of the park.

173 "Mariah Weitzenkamp" (1286147328)
00:59:49.490 --> 01:00:05.100
And then the overhead transmission infrastructure would span the park and then a structure would be on the other side of it. So this would be a new visual impact to folks using this park.

174 "Mariah Weitzenkamp" (1286147328)
01:00:05.100 --> 01:00:25.100
We also would be spanning the softball fields used by the Rodney Ethompson middle school. You can see again that existing dominion infrastructure in there. We would be planning to span these, so we

wouldn't be placing a structure in the softballs, but again, it would be new visual impact.

175 "Mariah Weitzenkamp" (1286147328)
01:00:25.100 --> 01:00:49.110
The the transmission infrastructure would pass overhead on these parks. In segment five, there is also the Shelton run HOA sort of recreational area here. There's a walking path and a playground within dominions existing right of way next to the Garrisonville substation. We would be placing the Cracken.

176 "Mariah Weitzenkamp" (1286147328)
01:00:49.110 --> 01:01:06.360
Right of way on the south side of that recreational area and clearing trees through, through the crack and right of way. We have, we have met with some HOAs already and met with Shelton run. So some folks have have become aware of that as well.

177 "Mariah Weitzenkamp" (1286147328)
01:01:06.360 --> 01:01:26.360
So that's segment five for segment five is that green section that is domanian's existing right of way that does not contain any infrastructure in it currently. So we're proposing the hundred and 20 ft cracking right of way to.

178 "Mariah Weitzenkamp" (1286147328)
01:01:26.360 --> 01:01:46.360
To be built within that. Again, I think the major impact here is gonna be that there, there's NO tree clearing within the corridor at this time. So that will be a new impact for folks and that new visual impact. Within that we also are crossing over the back end of the Mountain View High school.

179 "Mariah Weitzenkamp" (1286147328)
01:01:46.360 --> 01:02:04.980
And the market Brent elementary school. Just we would be planning to span this recreational field just south of the track here and and then we get to segment seven. Again, NO major constraints along here. There are some.

180 "Mariah Weitzenkamp" (1286147328)
01:02:04.980 --> 01:02:24.930
Fockier county conservation Easements and some agricultural and forestoral districts along that corridor, be staying within the existing corridor here. And there is a historic district, I'm just gonna look at the name of that. There's a historic district that is essentially.

181 "Mariah Weitzenkamp" (1286147328)
01:02:24.930 --> 01:02:44.930
Within the proposed substation site that the cracking line would just cross into. So, those, that's that's a very, that's a very fast overview of the the major impacts anticipated as part.

182 "Mariah Weitzenkamp" (1286147328)
01:02:44.930 --> 01:03:04.930

At this project and I'll just reiterate that we have open houses coming up that we would love to get feedback from folks. I'll also reiterate that the majority of this project is planned to be within existing Dominian right of way to minimize new impacts to, to the community and to the natural resources.

183 "Mariah Weitzenkamp" (1286147328)
01:03:04.930 --> 01:03:12.414
I think I can pass it back to you, Rob.

184 "Robert E Richardson" (765331712)
01:03:12.414 --> 01:03:45.730
Good work here Mariah. There we go. Thank you very much. Appreciate it the overview. Very good information and you're right. It's a lot of information in a in a fairly short, in a fairly short time. I'll mention the in person open houses again in just just a few minutes. Let's talk just just briefly about the geo voice public mapping and and comment tool available at community and energy.com/crack and here is an example of of what that.

185 "Robert E Richardson" (765331712)
01:03:45.730 --> 01:04:01.740
And what that looks like, you you you are prompted to create a username and password if you want to comment on this project. However.

186 "Robert E Richardson" (765331712)
01:04:01.740 --> 01:04:21.740
If you just want to view the project and view simulations that we have available on this project on the website, you can do that just by clicking continue as guests. So the lots of people like to come to community meetings and and hear from our subject matter experts in person.

187 "Robert E Richardson" (765331712)
01:04:21.740 --> 01:04:39.030
If that's not you and you want to still leave a comment, and let us know how you feel about this project or let us know if you have questions, you can do that on the on the geo voice tool and we will look at your see your comments there and you can let us know if we need to respond.

188 "Robert E Richardson" (765331712)
01:04:39.030 --> 01:04:59.030
So let's go to the, to the Q and A, slide here. So, we're gonna pause here for just a few minutes as I, as I mentioned at the beginning of this presentation, we're gonna look through all the questions and, and we've been keeping track of the questions as they come through. Please continue to.

189 "Robert E Richardson" (765331712)
01:04:59.030 --> 01:05:32.120
Submit your questions as, as you think of them. We're gonna take a 3 min break. I'm gonna turn my mic off and my camera off, but the the slide here will remain. Give us about 3 min or so. We're gonna group the

questions and, come back and then we'll start answering them and appreciate your patience. We'll be right back.

190 "Robert E Richardson" (765331712)
01:10:32.120 --> 01:10:53.390
Alright, we we we're gonna start up back here. Can someone on the, on the project team just say you can hear me? Yep. Okay. All right. There there were a number of questions, number of questions about yeat substation. So let me be clear about the, this project.

191 "Robert E Richardson" (765331712)
01:10:53.390 --> 01:11:13.390
The the cracken loop project. It's North Anna power station, North Anna substation to Cracken 70 mi of a new 500 line that is going to terminate at a proposed Fockier county, new pro new Fockier County substation that we are calling.

192 "Robert E Richardson" (765331712)
01:11:13.390 --> 01:11:34.160
Yeat. Yeat is actually part of another project, Joshua falls to yeat that we will be talking about in the near future but I'd like to focus this meeting on on the crack and loop.

193 "Robert E Richardson" (765331712)
01:11:34.160 --> 01:11:52.800
Project and the Cracken Loop project is the Northanna substation and the new Cracken substation, and 70 mi of of new 500 in the existing, in an existing transmission right of way.

194 "Robert E Richardson" (765331712)
01:11:52.800 --> 01:12:12.800
And let me address a second question we saw from a number of folks regarding undergrounding and let me let me address your questions this way. 1st, dominant Energy prefers to build, electric transmission lines overhead.

195 "Robert E Richardson" (765331712)
01:12:12.800 --> 01:12:32.800
For a number of reasons, let me mention a couple of them. One, it's easier to construct a transmission line overhead, it's easier to work on a transmission line overhead when it breaks. It it also is construction time is, is, is easier and and faster.

196 "Robert E Richardson" (765331712)
01:12:32.800 --> 01:12:52.800
Undergrounding while undergrounding is, is certainly expensive, that's not our primary focus when we look at routing and siting transmission lines. It's can we can we do it? Can we do it in a timely fashion? Can we build the transmission line in time to meet the needs that are, that are out there? And while we are taking a look.

197 "Robert E Richardson" (765331712)
01:12:52.800 --> 01:13:12.800

Look a closer look at what undergrounding would look like for this project. I will I'll remind this audience that we have only one underground 500 KB transmission line in the United States that was built about 20 years ago in Chino Hills California, only one and over the last 20 years now.

198 "Robert E Richardson" (765331712)
01:13:12.800 --> 01:13:32.800
No other utility has attempted to build aa5 hundred KV underground transmission line. So it's our intention to build this overhead. We have we have the existing easement, the existing right of way necessary to build that and so that, that is our intention with the crack and the.

199 "Robert E Richardson" (765331712)
01:13:32.800 --> 01:14:02.990
Project. I think we wanted to turn to Mariah next to answer two questions. Mariah, can you, can you address the conservation easements as you were looking at routing this 70 mi long project in existing rights of way, are conservation easements.

200 "Robert E Richardson" (765331712)
01:14:02.990 --> 01:14:06.494
Significant factor on this project.

201 "Mariah Weitzenkamp" (1286147328)
01:14:06.494 --> 01:14:21.273
There, there are there especially along segment three, I would say, sorry I'm looking at the map over here. Along segment three, we do pass through quite a few different conservation eastments, northern Virginia conservation trust, BOF Eastments.

202 "Robert E Richardson" (765331712)
01:14:21.273 --> 01:14:26.074
Are you able to Are you able to share your sc share your screen?

203 "Mariah Weitzenkamp" (1286147328)
01:14:26.074 --> 01:14:46.100
Yes, let me pull that up and I can show the conservation easements along the project. The, I would also ask maybe that if it's real estate or someone else who would explain basically that conservation easements within existing rights of way, imagine, domainings right of way has.

204 "Mariah Weitzenkamp" (1286147328)
01:14:46.100 --> 01:15:06.350
Oh, they're allowed to build within those conservation easements is that right? Or they'll be reviewing their conservation easement, their their easements rights within within that conservation easement where we're already crossing through them. We wouldn't be crossing through any new conservation eas.

205 "Mariah Weitzenkamp" (1286147328)
01:15:06.350 --> 01:15:34.236
Easements with, with new right of way. We would avoid any conservation easements with new right of way, and anywhere we're crossing conservation

easements, that would be, within dominian's existing easement, so it's not gonna be like a new, new impact. I'm sorry my map is moving a little slow right now.

206 "Robert E Richardson" (765331712)
01:15:34.236 --> 01:16:04.780
Let me just ask you, maybe to focus on one other question here. Some, some folks have have have looked at as you were discussing routing, and they've looked at the, at the right of way that we were routing through the existing infrastructure, the existing right of way asking you know why can't this go on one side or the other? How did we, how did we decide which side to route this new 500.

207 "Robert E Richardson" (765331712)
01:16:04.780 --> 01:16:07.257
On in the existing right of way.

208 "Mariah Weitzenkamp" (1286147328)
01:16:07.257 --> 01:16:13.695
Yeah, that's a great question. I'm gonna point to engineering for.

209 "Robert E Richardson" (765331712)
01:16:13.695 --> 01:16:19.834
S Sergio are you, are you available there, there he is. Hi.

210 "Sergio" (2013982208)
01:16:19.834 --> 01:16:31.140
Hello everybody. So in terms of like deciding what side to route this line on, it, it depends on where we have available right away right now, so the.

211 "Sergio" (2013982208)
01:16:31.140 --> 01:16:56.533
Our goal is to minimize the amount of right away that we need to acquire in addition to what we already have. So we try to optimize the footprint that we already have. We have some lines existing on that right away. So we, we, we, that's, that's why the decision of putting a line on one side over the other was made in this case.

212 "Mariah Weitzenkamp" (1286147328)
01:16:56.533 --> 01:17:24.530
Thank you, Sergio. Go ahead please go ahead. Folks can see my screen. I'm just gonna turn off the aerial imagery. I think that could help make it a little easier to look at. So there's a lot of different colors here. Like I said, there are several different types of conservation easements, that are within the right of way. There's some VOF easements, there's northern Virginia conservation trust easements.

213 "Mariah Weitzenkamp" (1286147328)
01:17:24.530 --> 01:17:44.870
You can sort of see, looking for our legend here, that'll give us the list for folks to look at, there's Department of historic resource, the Evergreen team, there's some Fockier County Stafford county conservation.

214 "Mariah Weitzenkamp" (1286147328)
01:17:44.870 --> 01:18:13.490
Easements, old dominion land conservancy, the Department of Conservation and recreation. So those are the types of conservation easements we're crossing through and, forgive me if I'm giving anyone vertical I'm just kind of trying to scan along this so folks can kind of get a sense of where the conservation easements are located in relation to our project. Again, I think segment three has has the most variety of conservation easements cross.

215 "Mariah Weitzenkamp" (1286147328)
01:18:13.490 --> 01:18:43.691
Fockier County has several that are crossed up in that segment seven and then segment one has a couple that are just getting crossed by, yeah, segment one is down here. I think those are the the major segments that have them. Segment two, again, we won't be crossing any new conservation easements with greenfield. So I I hope that's helpful.

216 "Robert E Richardson" (765331712)
01:18:43.691 --> 01:18:58.136
It is bottom bottom line Mariah, you you have you're aware of the conservation easements along this project and and have taken this routing and conservation easements into account as you're as you're looking at this project.

217 "Mariah Weitzenkamp" (1286147328)
01:18:58.136 --> 01:19:00.693
Yeah, absolutely. Thank you.

218 "Robert E Richardson" (765331712)
01:19:00.693 --> 01:19:16.340
Hey Sergio, can I ask you to come back on, on camera? Couple of, couple of questions I think that have your name on them. One of them is that we, as we, as we looks like we route across this project routes across the rapid.

219 "Robert E Richardson" (765331712)
01:19:16.340 --> 01:19:36.340
River. And so there were some questions about towers. Do we need to add towers? Can we add, can we add the, these transmission circuits to the existing towers? I, I know some of the answers to, to those, but I know you know the answers better. Can you, can you talk about as we route across the rapianic river.

220 "Robert E Richardson" (765331712)
01:19:36.340 --> 01:19:37.774
What's necessary.

221 "Sergio" (2013982208)
01:19:37.774 --> 01:19:57.620
Yeah, so we will need to route using new structures instead of adding the circuits to the existing towers. The existing towers are 500 KB. We're trying to add to the right away 500 KB and a 02:30 KV line. This towers are not designed to handle any additional circuits, they're just a.

222 "Sergio" (2013982208)
01:19:57.620 --> 01:20:14.134
Signed to handle the existing circuit. So any any additional circuits would need to be added in the right away using its own structures. It would be not towers as we, not, not Lattice towers per se, but monopoles.

223 "Robert E Richardson" (765331712)
01:20:14.134 --> 01:20:29.780
And, and that's let's let's talk about those structures for, for just a second. That's a good, that's a good question. So the the the type of structure that we're planning to use for, for most of this 70 mi is what we would call a a double circuit.

224 "Robert E Richardson" (765331712)
01:20:29.780 --> 01:20:38.613
Monopole. You want to describe that structure and why, why it's a, why it's a double circuit structure?

225 "Sergio" (2013982208)
01:20:38.613 --> 01:20:58.370
So the the reason is so that in terms of describing it, so it's steel governized steel structure monofle on a concrete foundation, a drilled peer. It's a vertical configuration type structure which means the circuit is configured ABC vertically in.

226 "Sergio" (2013982208)
01:20:58.370 --> 01:21:19.790
Instead of what we have right now out there would be horizontal configuration all the facets are horizontally aligned. The reason why we need a 500 02:30 KV line is you know planning here identified the need for for that type of circuits to be added to the right away in this case.

227 "Sergio" (2013982208)
01:21:19.790 --> 01:21:39.890
A 500 KB and a 02:30 KB line. The reason for the type of structure to be, you know, selected for this application is because of the we want to be able to fit this configuration in the existing right away. So a monopole configuration allows us to do that. If we were to.

228 "Sergio" (2013982208)
01:21:39.890 --> 01:22:07.490
Do other types of configuration or to break it down into one type of structure per per circuit, then that adds additional right away requirements to meet clearances and, you know, for safety reasons, we would, we would need to expand the right away. So for us to be able to work with what righta way we already have, this is the most compact type of design that we can deploy in this case and.

229 "Sergio" (2013982208)
01:22:07.490 --> 01:22:12.113
Not require additional right away expansion on this location.

230 "Robert E Richardson" (765331712)

01:22:12.113 --> 01:22:27.258
Couple couple of couple more questions here stay, so stay with me if you don't mind. This the span, this isn't the term that they use it. The the span length or or the the distance between, between structures, what what do what do you expect on average that would be?

231 "Sergio" (2013982208)
01:22:27.258 --> 01:22:31.677
So this one average would be a thousand feet spans. Okay.

232 "Robert E Richardson" (765331712)
01:22:31.677 --> 01:22:47.932
And then the other question is, and I I don't know if you, if you can address this or or or not, but will people be able to grow crops under these power lines? I I do you, do you know that answer because I I have an answer if you, if you don't.

233 "Sergio" (2013982208)
01:22:47.932 --> 01:22:58.896
Yeah, I don't I don't think there's any concern with growing crops, underneath the the power line from a safety perspective, I think it's done all the time.

234 "Robert E Richardson" (765331712)
01:22:58.896 --> 01:23:10.290
And we we and I I was that's what I was gonna say is we we have a number of power lines across Virginia and in North Carolina where where farmers grow crops underneath.

235 "Robert E Richardson" (765331712)
01:23:10.290 --> 01:23:28.680
Underneath the the the power lines and so that's, that's not not unusual. Is this one, is this one for ok just another one ok alright Sergio, thank you. What other questions do we have available here in the next five or 6 min?

236 "Robert E Richardson" (765331712)
01:23:34.260 --> 01:23:50.460
Through here. We're doing pretty good. We do have, we do have a lot of information on on our website, Dominian energy.com.

237 "Robert E Richardson" (765331712)
01:23:50.460 --> 01:24:10.460
Slash Cracken, including the information about the, the upcoming meetings. The 1st one is tonight in in Falkier county. And then Stafford County on Wednesday, Luisa County next week and Caroline county.

238 "Robert E Richardson" (765331712)
01:24:10.460 --> 01:24:20.280
On Thursday of next week. You can see the the boxes here with the locations tonight we're at Zore Baptist church.

239 "Robert E Richardson" (765331712)
01:24:20.280 --> 01:24:40.280

And we'll be there doors open at 05:30. We've got a 2 h window that will bring a whole group of of subject matter experts here to answer your questions. And that includes the line engineers and environmental experts. We bring our project manager will be there to take all the hard questions.

240 "Robert E Richardson" (765331712)
01:24:40.280 --> 01:24:55.950
It's a good group of folks. We we said earlier that we value transparency. We know you're gonna have questions and we're gonna bring, we're gonna bring our answers. I thought there was another.

241 "Robert E Richardson" (765331712)
01:24:55.950 --> 01:25:15.950
Another question here. I think is that is that the bulk of the bulk of the questions? Very good. Okay, folks, listen, we we really really appreciate all of you taking your lunch hour today to join us to learn more about the crack and loop 500 KV line.

242 "Robert E Richardson" (765331712)
01:25:15.950 --> 01:25:35.950
Electric transmission line. We realized that for some of you, this, this might be impactful, and you might be concerned about it and so we're here to answer your questions and and talk with you about it. The upcoming meetings here are the best way to to address us geovoice is another.

243 "Robert E Richardson" (765331712)
01:25:35.950 --> 01:25:46.200
Very good way to to address us and to send your questions to us that way. We look forward to seeing folks tonight and in the next two weeks.

244 "Robert E Richardson" (765331712)
01:25:46.200 --> 01:26:06.200
And check back at dominia energy.com/Cracken for more information. Everybody else are we good? Okay, folks have a nice afternoon. Appreciate it. Thank you very much. Take care.