

Rob ([00:00](#)):

We're also proactive, collaborative and transparent, we'd also like to inform you, uh, that in the wake of ongoing public health concerned from the spread of the coronavirus, we are mindful of our activities, uh, about maintaining property owner interactions with the appropriate social distancing. The work we do, we know is integral in maintaining grid reliability, and our crews will continue to perform work as needed, to provide reliable, electric service.

Trip ([00:33](#)):

We continually review the condition of our lines, to ensure that we provide safe and reliable service to our [inaudible 00:00:42]. Line 224 has been in service for more than five decades, and it is at the end of it's service life. It needs to be replaced to maintain reliability to our customers.

Trip ([00:54](#)):

With the Line 224 rebuild project, we are planning to replace the existing H-frame structures with taller, weathering steel, double circuit monopole structures, along most of the existing 41 mile right of way. On the screen currently, you have the H-frame structures on the left, in the left image, and the new monopoles on the right image. The, the right of way begins at our Lanexa substation, just south of Interstate 64, and continues to our northern next substation in Richmond County. In some cases, we're also planning to replace existing lattice structures with similar structures constructed from a different material.

Trip ([01:44](#)):

What I'd like to do now is play a video for you. It's about six minutes long, and it's an overview of the project. Let's watch together, then we'll continue with our presentation. Ending with your questions.

Speaker 1 ([02:00](#)):

Welcome to the overview of Dominion Energy's Line 224 Lanexa to Northern Neck rebuild project, which will address aging electric transmission infrastructure.

Speaker 1 ([02:12](#)):

We're planning to replace the existing H-frame structures with taller, double-circuit monopole structures, and in some cases, we're also replacing existing lattice structures with similar structures, constructed from a different material. This construction will occur along a 41 mile corridor, and remain within the existing right of way.

Speaker 1 ([02:33](#)):

At Dominion Energy, we are committing to continually reviewing and analyzing our energy infrastructure, to provide the safest and most reliable electric service possible. Three primary forces drive the need for new electric transmission infrastructure: economic development, such as population growth, or business expansion, aging assets, such as decades or structures that need to be replaced, and complying with mandatory standards to ensure safety and reliability.

Speaker 1 ([03:05](#)):

These drivers often overlap. At Dominion Energy, we believe solutions should always account for future energy needs, while continuing to balance cost and impact. A strong, reliable transmission grid is essential to delivering energy to all parts of Virginia.

Speaker 1 ([03:23](#)):

The electric grid is made up of high voltage lines, functioning as energy highways. These transmission lines transport power over long distances, from generating stations to substations, which then feed distribution lines that energize homes and businesses.

Speaker 1 ([03:40](#)):

This project will rebuild Line 224, a 230 kilovolt transmission line, connecting our Lanexa and Northern Neck substations, while crossing five counties in Virginia. The project includes an existing transmission corridor that is about 41 miles long, beginning in New Kent County, and continuing North. Both existing substations will increase in size, to accommodate the construction of a second electrical circuit. As part of this project, we will also construct a new substation in King and Queen County in the existing right of way.

Speaker 1 ([04:18](#)):

Portions of this line have already been rebuilt, or are under construction, including the crossings of the Pomomkey and Mattaponi Rivers. These portions were approved, and work began in 2019, and is expected to be concluded by December 2020. Most of the existing H-frame and lattice structures were installed in the late 1960s. Through ongoing maintenance, the lifespan of these structures has been extended.

Speaker 1 ([04:45](#)):

More recent inspections have shown structure and foundation deterioration, including corrosion and thinning of steel members. Many wood poles have also shown damage from natural elements, including woodpeckers.

Speaker 1 ([04:59](#)):

Dominion Energy will replace the aging structures, and associated components, to maintain reliability for the 7500 customers served directly from this line.

Speaker 1 ([05:09](#)):

The proposed plan will require no additional right of way, deliver longterm reliability, without excessive maintenance, provide flexibility to meet future needs, comply with mandatory safety standards, and minimize environmental impact.

Speaker 1 ([05:26](#)):

We are proposing to replace the existing structures with double- circuit weathering steel monopole structures. Existing structures averaging 65 to 70 feet tall, will be replaced with new monopoles, averaging 108 feet tall. The taller structures allow full utilization of the existing right of way, and will minimize the environmental impact for this rebuild project.

Speaker 1 ([05:51](#)):

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Dominion Energy has created photo simulations of several key viewpoints across the project. Our first simulation shows the proposed expansion of the Lanexa substation in New Kent County.

Speaker 1 ([06:08](#)):

Next is a view of the transmission line in New Kent County, overlooking Diascund Creek Reservoir. The proposed structures include double-circuit poles. There will be no change in height between the current and proposed structures.

Speaker 1 ([06:25](#)):

Next is a view from King and Queen County. These new structures will be placed in the same general location as the existing structures, to minimize impact. Just north of our previous view is the proposed location of the new substation. We have developed a visualization of this new substation that will be installed in King and Queen County.

Speaker 1 ([06:53](#)):

The next view takes us farther north to Essex County. This photo simulation shows lattice towers crossing the Rappahannock River, from a view along Boaters Way, looking north. The current towers will be replaced with similar structure types, but constructed with different materials, and placed in the same locations.

Speaker 1 ([07:14](#)):

Finally, our last simulation demonstrates the expansion of the Northern Neck substation in Richmond County. Both existing substations on this project will be expanded to accommodate the construction of a second electrical circuit. As we move through the planning and regulatory process, it is important to gain feedback from the community. We are committed to finding solutions for new infrastructures that reduce impact, and are in the best interest of the communities we serve. The beauty of this region is an important asset to Virginia. Maintaining environmental stewardship is a responsibility we take seriously.

Speaker 1 ([07:56](#)):

Dominion Energy is guided every day by a core set of values to ensure projects are successful from start to finish. We work-

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Speaker 1 ([08:03](#)):

... to ensure projects are successful from start to finish. We work safely, strive for excellence, execute our jobs ethically, and employ strong teamwork with our colleagues and in the communities we proudly serve, while embracing change. Thank you for taking the time to learn more about this important project. More information can be found at [dominionenergy.com/line224](http://dominionenergy.com/line224) or email us at [powerline@dominionenergy.com](mailto:powerline@dominionenergy.com).

Rob ([08:29](#)):

Uh, we ended with this, uh, slide before the video, and we will start back here, [Trip 00:08:44].

Trip ([08:44](#)):

Okay, great. Thank you. Welcome back. Uh, we're going to talk briefly about the three river crossings. A portion, portions of this line have already been rebuilt and are under construction, including the crossings of the Pamunkey and Mattaponi Rivers. As you heard in the video, the work has already been approved. We're working to complete the tower installation across the Mattaponi River as we speak. That work is expected to be completed by the end of this year.

Trip ([09:23](#)):

This project also crosses the Rappahannock River, and this year, we're also rebuilding the concrete bases for the existing lattice towers that are there now. It's our plan to replace these towers by December of 2023. The new towers will be the same structure, same height, and as mentioned in the video, while the current lattice structure's are weathering steel, the new towers will be galvanized.

Trip ([10:40](#)):

This is New Kent County. As part of our rebuild plans, we are proposing to replace the existing H-frame structures with weathering steel, double-circuit, monopole structures. The H-frame structures average 65 to 70 feet tall. We're planning to replace these structures with new monopoles on an average of 108 feet tall. The taller structure allows us to fully, fully utilize the existing right-of-way but will also minimize environmental impacts for the rebuild project.

Trip ([11:23](#)):

This is another photo simulation, um, in King and Queen County. The top picture shows the current H-frames. The bottom picture show the simulation of what it will look like with the new double-circ monopoles installed. Rebuilding this transmission line as planned requires no additional right-of-way, and we'll be able to minimize environmental impacts to deliver long-term, reliable reliability without excessive maintenance. Two other important benefits, providing the flexibility to meet future needs and comply with mandatory safety standards along this corridor.

Trip ([12:12](#)):

This slide shows Essex County. Again, the top picture shows current H-frame structures, and the bottom picture shows a simulation of what it looks like the new monopoles once they're installed.

Trip ([12:33](#)):

This picture is from Richmond County. The top slide shows the current lattice towers, and the bottom slide shows the new lattice towers, uh, once they are installed.

Trip ([12:57](#)):

The next slide should give you an idea of our schedule. We are nearing the end of our initial project, uh, and public outreach and notification. We plan to file an application for this project with the State

Corporation Commission next month. Most of 2021 will be for permitting activities. During Q4 of next year, you may see some activity on the right-of-way as we work to build access roads. We will notify you first before any work begins. Once we receive approval for this project, we expect to begin construction during the first quarter of 2022. We expect construction will take about two years and will be completed by December of 2023.

Rob ([13:53](#)):

Really all in a relatively short amount of time, so thank you, uh, very much for sharing all that information, um, with our, uh, neighbors, with our customers, um, with the what we hope are the interested people who live in the, in those five, uh, counties. Um, M- Max is, is back on camera, uh, and, and is going to be our host, and we're going to hand the meeting over to Max. Um, we hope that, um, you know, during the last 20 minutes or so, uh, maybe some questions have come in. Max is going to take, uh, take care of routing the question, I think Max, to the appropriate, uh, subject matter expert, um, who's on this call. Is that right?

Max ([14:41](#)):

Yeah, thank you, Rob. Um, if I could ask the panelists to come back on, uh, so we can see you all, um, so you can answer some questions, uh, that would be awesome. Thank you, uh, and just a reminder to stay muted unless you are, uh, answering a question, uh, please and thank you. Uh, we have a few that came in here. Um, so our first one, uh... Or I guess before we get to that, if you do have a question, if you're viewing, um, please see the instructions here. Please submit it in the Q&A section. Um, it looks like a box with a question mark in it, uh, and make sure all panelists is selected and submit those and we'll be happy to answer them. So, uh, getting started, this first one is going to be, uh, I think for [Rebecca 00:15:32], our engineer, uh, on the project. The question is what types of structures were installed on the Pamunkey and Mattaponi Rivers?

Rebecca ([15:44](#)):

Thank you, Max. Um, the structures that were installed on the Mattaponi and the Pamunkey were, um, the same type of towers that were there previously, um, similar to the Rappahannock crossing. Uh, what were previously installed were weathering steel towers, and they've been since replaced with galvanized steel towers. The towers did not increase in height...

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Rebecca ([16:03](#)):

... replaced with galvanized steel towers. The towers do not increase in height from what was out there, which is the same thing that we've purposed for the Rappahannock River crossing.

Max ([16:11](#)):

Thanks Rebecca, and we did also have a, a follow up question to that, which is, um, is there a significant increase in height along, uh, the structures that are along the rivers but I think you answered, uh, that they are the same height as previous.

Rebecca ([16:28](#)):

Yes, they will be the exact same height.

Max ([16:30](#)):

Okay. Thank you, Rebecca. Um, so our next question, I think this one would be for, uh, Trip. Uh, the question is, when will construction begin or when do we anticipate construction to begin?

Trip ([16:47](#)):

So, we may begin some access, um, activities in late '21 but, uh, heavy construction will take place during 2022 and 2023.

Max ([17:02](#)):

Okay, thank you so much, Trip. Um, our next question here, uh, this one would be for our, I would say for our planning engineer but what is the need for rebuilding the line? Can I give that one to you, Trip? Again, what's the purpose, why are we building this?

Trip ([17:22](#)):

Sure, so there's, it's really a two fold, um, one is the existent line hasn't been service for, uh, over 50 years and so, it has reached end of life. Um, the existing [inaudible 00:17:38] structures are constructed of wood and they are rapidly, uh, deteriorating. The second driver there, is additional [inaudible 00:17:48] along this corridor between the Lanexa substa and Northern Neck substation, so there is an increase in capacity needs, um, and in order to meet those needs of our customers, we're adding that second [inaudible 00:18:05] along this corridor. Uh, so that also drives the decision to add the, um, the double circuit, so we mention several times, double-circuit monopoles, means there will be two lines [inaudible 00:18:20] along this existing corridor, where today, there's only one line.

Max ([18:25](#)):

Awesome, thank you so much Trip. Um, our next question, uh, is just, why are the structures, why are the new structures, uh, generally on average taller, uh, than the existing structures? And I think that would be another question for Rebecca, who designed the line.

Rebecca ([18:46](#)):

Yes, so, um, the reason why the structures are so much taller than the existing structures is that the existing structures, um, are kind of a flat configuration. If you look at, uh, where the physical locations of the wires are, they're in a horizontal, uh, location. In order to construct a secondary circuit and not expand the existing right of way, you actually have to stack the lines vertically within the existing right of way, so because you're going from a horizontal configuration to a vertical configuration, um, that's what increases the height by approximately 40 feet on average in each location.

Max ([19:24](#)):

Thanks Rebecca. Um, we have a question, uh, here that asks if the visual effects, um, are- or how do we account for visual effects, uh, with the new towers, um, it says, stating that the new towers will reduce the environmental impacts, how do we also account for the visual impacts? Um, I think, Layne, uh, that- that would be a permitting question. You're on mute Layne.

Layne ([20:05](#)):

Thanks for the reminder Max. Um, for visual impacts, our consultant Stantec will be conducting a stage two cultural resource study and that will address visual impacts, um, key location points taken from

along the line and we will- we will have a better idea of exactly what those visual impacts will be from key location points once that study is complete. And we will share that with the Department of Historic Resources.

Max ([20:37](#)):

Awesome. Thank you so much Layne. Um, I think our next question here is about encroachment, so this one will be for you, Margaret. Um, is there any assistance for property owners to offset, uh, the expense of moving, like, a shed or any other encroachment that- that may be in the right of way?

Margaret ([20:58](#)):

Uh, yeah. So, Dominion offers a \$200 reimbursement for any property owners that are required to remove an encroachment like a shed or a play set, um, from our Eastman area.

Max ([21:11](#)):

Great, thank you for that. Um, our next question is about, uh, Northern Neck substation. Um, I know I don't think we have our substation, uh, engineers on, but it says that, um, our presentation indicates that the new line is gonna be built within the existing right of way, um, but the expansion of Northern Neck's substation, um, w- would not be within existing right of way. Can we, uh, explain how that works? Can, let's see, Trip can you answer that question for us please?

Trip ([21:53](#)):

Sure, both the Lanexa and the Northern Neck substations will require an expansion and in those areas, we will have to work with adjacent property owners, um, to obtain additional, uh, real estate around those substations.

Max ([22:13](#)):

Thank you Trip. Our next question is going to be, uh, for Rachel, uh, in our- our environmental group, I think. Um, this question is about, uh, section 106 of the, uh, National Historic Preservation Act, uh, and it- and it really is, what are we doing to make sure that we are in compliance, uh, with the section 106 of the NHPA?

Rachel ([22:42](#)):

So, as La- as Layne mentioned earlier, we have already performed a stage one cultural resources survey and we will be performing- performing a stage two, uh, later in- in the, uh, permitting. Also, we have not done anything with section 106 at this time. That will take place once we, um, move forward with the nation-wide [inaudible 00:23:02] permitting. Um, which will take place after we have obtained SCC final order and start the permitting process in the next year or year and a half.

Max ([23:15](#)):

Thanks Rachel. Our next question is about, it says K & Q, which I'm assuming is king and queen substation, um, someone asked, work- says, work has already been done on the king and queen substation, they can hear it at night, and they're wondering if there'll be, um, any other noises at night while we're working on this project. Um, Rick, is that something that you could answer for us? Rick from construction. You may be on mute, Rick.

Rick ([23:55](#)):

So, the- they have, um, put a, um, temporary mobile station in there, um, for, um-

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Rick ([24:02](#)):

... there, um, for, um, while I had the 224 on, um, on the clearance for it, to pick up that load, um, I don't... That's gonna be a substation issue on whether they, um... there may be some noi- ... There shouldn't be noise going on at night time to be honest with you, but, um, I wouldn't wanna speculate on what that was. Once they, um, get it completed though that the noise level should drop significantly since there should never be, uh, construction going on at time usually.

Max ([24:38](#)):

Awesome. Thank you, Rick. Um, and just another questions that's right along that line. Um, someone asked, "How can we talk a little bit more about how this new line is going to help us with power outages in the area?" Um, and I think, Rick, or actually I think that may be, uh, a Trip question again.

Trip ([25:04](#)):

Yes Max, thank you. I saw that question, uh, a really good question, um, so thank you for asking it. Currently the King and Queen area is fed, um, by one, one line, one distribution line that comes into that community and unfortunately it has been [inaudible 00:25:23], a problem area for us from a reliability perspective. The good news is, with this new substation you will have a transmission line feeding directly into King and Queen Court House area and you will have a substation providing multiple feeds to the communities that are served by that particular line. Uh, transmission lines are much more robust and more reliable than, you know, a single circuit distribution line. Hope that answers the question.

Max ([26:00](#)):

Thank you. Um, that, that's a great answer. Uh, so we have another question here that came and it, uh, I guess it, uh... I think it's just asking us to confirm that the cultural resource studies will be shared with the consulting tribes. Rachel, um, can you confirm that's part of our standard process?

Rachel ([26:26](#)):

Uh, yes. Once we... once we submit to DHR we can then, um, provide to the tribes. And, um, I think Terry... I think I've spoken with Terry previously on another project. So, um, you know, Ken, [Custalo 00:26:41] and Lane and I will, will be in contact with Terry further, further down the line for more consultation.

Max ([26:52](#)):

Thank you so much. Um, let's see, we do have another question, it says, "There's an additional substation being added in King and Queen County and we're we're wondering if it will require new right of way." Um, I don't... I mean we don't have anybody from real estate on, but I think Lane, maybe, uh, or Margaret, could you handle maybe, uh, answering how substations, uh, are done? 'Cause I think it's a little bit different from lines as far as right of way versus, uh, property being purchased.

Layne ([27:29](#)):

I can answer that one.

Max ([27:30](#)):

Thanks [inaudible 00:27:31].

Layne ([27:31](#)):

Um, the, the proposed location for the permanent King and Queen substation is on [inaudible 00:27:36] Dominion owned property, we own a three acre parcel right there underneath the existing transmission line. We will need to work very closely with King and Queen, King and Queen County. There will be some zoning approvals that we'll have to obtain, so that will be a permitting process, a standalone permitting process, to convert that substation to a permanent substation.

Max ([28:03](#)):

Awesome, thank you so much Lane. Um, let's see, I just want to make sure I, I haven't missed any questions that have come in here. Um, I will say if you're, uh, one of the folks who's watching here tonight, if you have a question that's, you know, specific to your property, uh, we do encourage you to send us an email at the power line number, or at the power line email, which is [powerline@dominionenergy.com](mailto:powerline@dominionenergy.com). Uh, and that just helps us answer any questions that are specific to where you are, um, and, and we can spend a little more time talking to you individually there. Um, I don't see any other questions that have come in, um, so I'll hand it back over to you Rob to, to close things out. Thank you everybody.

Rob ([28:53](#)):

Um, on behalf of all of us here, um, at Dominion Energy, and behalf of the electric transmission, uh, team, w- we know that you have a lot to... a lot of things that you could choose to do, uh, on a Thursday evening, and the fact that you chose to login, call in, uh, find out more about this, uh, project, show us that you're interested in, in what we're doing and what we're talking about, we really appreciate it. Um, we, we take our commitment to you, uh, seriously and we take our commitment to, um, providing you information and being transparent about our projects, we take that, uh, commitment seriously as well. So, um, let me just share... Uh, [inaudible 00:29:42] see there was, uh, just a little additional contact information.

Rob ([29:44](#)):

We've, we've said this before, but [powerline@dominionenergy.com](mailto:powerline@dominionenergy.com) or you can contact, uh, us and we will answer your questions if you call 888-291-0190. Just another reminder, uh, that you can find out more about this project, [dominionenergy.com/line224](http://dominionenergy.com/line224). We're committed to using, uh, our web resources, uh, to provide updates, important information, uh, maps, filing information for the State Corporation Commission, all that related to this, uh, to this transmission project can be found, uh, at [dominionenergy.com/line224](http://dominionenergy.com/line224) at the appropriate time. Um, on behalf of all of us, Max, um, uh, Trip, the project team, I want to thank everybody for joining us tonight and, um, reach out if you have any questions. Thank you everybody, take care. See you later.

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