

Dunston, Shonta

E-100 Sub 190CS

Subject:

FW: Require utilities to consider grid-enhancing technologies

From: Mary Ellen Lowry <meklowry@gmail.com>

Sent: Sunday, June 23, 2024 8:37 AM

To: Mitchell, Charlotte <cmitchell@ncuc.gov>

Subject: Require utilities to consider grid-enhancing technologies

Dear Commissioner Mitchell,

I'm an aunt who fears for my family in a warming world.

I am writing to urge you to take proactive steps in requiring utilities to consider Grid-Enhancing Technologies (GETs) like reconductoring in their operations.

GETs offer a cost-effective and efficient solution to enhance our current grid infrastructure, ensuring grid reliability without the need for extensive new infrastructure development. As recent studies and industry experts have highlighted, reconductoring existing power lines with advanced materials such as composite carbon fiber wires could potentially resolve up to 80% of our current transmission backlog at a fraction of the cost of building new lines. This approach not only saves on construction expenses but also eliminates the need for acquiring new right-of-way, which can be a lengthy and expensive process.

By mandating utilities to integrate GETs into their transmission planning and infrastructure upgrades, North Carolina can significantly improve grid efficiency and reliability. These technologies optimize power flow, reduce congestion, and enhance the overall resilience of our electricity network. They are crucial in ensuring that our grid can effectively handle growing electricity demands and support the integration of new energy sources.

As our state faces increasing pressure to modernize its energy infrastructure while managing costs, the adoption of GETs presents a viable path forward. It aligns with the goals of promoting economic efficiency, meeting environmental objectives, and preparing for future energy challenges.

I strongly encourage North Carolina to lead the way in promoting these advanced technologies. By requiring utilities to consider and deploy GETs, we can pave the way for a more reliable, efficient, and sustainable energy future for all residents of North Carolina.

Thank you for your attention to this important matter.

Mary Ellen Lowry

Greensboro, North Carolina

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Dunston, Shonta

E-100 Sub 190CS

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JUN 24 2024

Subject: FW: Require utilities to consider grid-enhancing technologies

-----Original Message-----

From: Frank Gilbert <frankgilbert@me.com>

Sent: Sunday, June 23, 2024 8:13 AM

To: Mitchell, Charlotte <cmitchell@ncuc.gov>

Subject: Require utilities to consider grid-enhancing technologies

Dear Commissioner Mitchell,

I'm a father who is angry about the lack of action on climate.

I am writing to urge you to take proactive steps in requiring utilities to consider Grid-Enhancing Technologies (GETs) like reconductoring in their operations.

GETs offer a cost-effective and efficient solution to enhance our current grid infrastructure, ensuring grid reliability without the need for extensive new infrastructure development. As recent studies and industry experts have highlighted, reconductoring existing power lines with advanced materials such as composite carbon fiber wires could potentially resolve up to 80% of our current transmission backlog at a fraction of the cost of building new lines. This approach not only saves on construction expenses but also eliminates the need for acquiring new right-of-way, which can be a lengthy and expensive process.

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I strongly encourage North Carolina to lead the way in promoting these advanced technologies. By requiring utilities to consider and deploy GETs, we can pave the way for a more reliable, efficient, and sustainable energy future for all residents of North Carolina.

Thank you for your attention to this important matter.

Frank Gilbert

Huntersville, North Carolina

Frank

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