



Connecticut
Light & Power

A Northeast Utilities Company

HIGH-PERFORMANCE CONNECTORS

Strengthen Transmission Lines



Information For Our Customers



Modernizing the Power Grid Today for Tomorrow's Digital World

Transmission lines in your area will be upgraded soon. At Connecticut Light & Power (CL&P), we are committed to maintaining superior safety and electric reliability through a high-quality transmission network.

One way we are working to serve you better is by strengthening the connections of the wires. Some of these high-voltage connectors are more than 40 years old and have passed their useful life expectancy.

To upgrade the lines, our highly trained crews can use a technology called imploding connectors. In some cases, we can perform maintenance on the power grid while the electricity is flowing.

This work will not interrupt electric service to your home or business.

The imploding connectors method is faster than the previously used hydraulic press connectors, so projects can be completed more quickly. In addition to saving time and reducing costs, this method has proven to be a superior mechanical and electrical connection.

Improving Electric Reliability

The imploding connector technology we're using to install the high-voltage connections calls for using a device that sounds *similar to a loud clap of thunder and lasts for an instant*. The noise can be startling, so we want to let you know about it in advance.

The imploding connector technology is safe and has been approved by federal and state officials. It is a highly reliable process that is becoming increasingly popular throughout the world, attributed to many years of research and practical experience.

The Process of High-Performance Connectors



Crews prepare transmission lines to install imploding connectors. Once the lines are secured, the old connectors are removed.

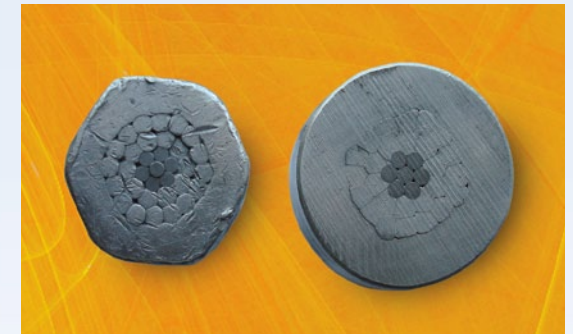


An imploding connector is installed on the line, while a jumper cable maintains the flow of electricity around the new connection.



The explosive material is detonated. Most of the energy released in the implosion is focused inward, creating a more secure and efficient connection.

Cross Section: Old Technology (left) and Imploding Connector



Imploding connectors are more electrically efficient and produce mechanically stronger connections than using conventional methods. This reduces overall project costs, improves performance and provides better system reliability.

Benefits of Imploding Connectors:

1

Improved electric reliability

2

More efficient flow of electricity
through the lines

3

Quicker project completion time

4

Lower maintenance costs and
overall project costs

QUESTIONS

If you have any questions or concerns regarding this project, please call the CL&P Transmission Information Line at 1.800.793.2202 during regular business hours, Monday through Friday, 8 a.m. to 4:30 p.m. Calls received outside of these hours will be returned promptly on the next business day.