MEETING POSTING

TOWN OF NANTUCKET
Pursuant to MGL Chapter 30A, § 18-25
All meeting notices and agenda must be filed and time stamped with the Town Clerk's Office and posted at least 48 hours prior to the meeting (excluding Saturdays, Sundays and Holidays)

Committee/Board/s	Nantucket Historical Commission
Day, Date, and Time	Friday, October 15, 2021 10:00 AM – 12:00 PM
Location / Address	REMOTE PARTICIPATION VIA ZOOM The meeting will be aired at a later time on the Town's Government TV YouTube Channel: https://www.youtube.com/channel/UC-sgxA1fdoxteLNzRAUHIxA
Signature of Chair	Hillary Hedges Rayport
WARNING:	**IF THERE IS NO QUORUM OF MEMBERS PRESENT, OR IF MEETING POSTING IS NOT IN COMPLIANCE WITH THE OML STATUTE, NO MEETING MAY BE HELD!**

Subcommittee members: Commissioners Georgia Raysman, Milton Rowland, Hillary Hedges Rayport
Staff Liaison: Holly Backus

AGENDA

Please list below the topics the chair reasonably anticipates will be discussed at the meeting

Join Zoom Meeting

Join Zoom Meeting
https://us06web.zoom.us/j/94332358504?pwd=N25KSGR2QldOeWFuc2tKUXcvaERGdz09

Meeting ID: 943 3235 8504
Passcode: 770019
One tap mobile
+16465588656,,94332358504#,,,,*770019# US (New York)

- Public Comment
- Approval of Minutes
- Administrative
  - Request to be designated Special Municipal Employees
  - Annual report due to Erika
- Staff and Board Chair Update
  - FY22-23 MHC planning grant pre-application due Nov 15th
  - MHC Survey Project update

- Fall course with NAREB – rescheduled to spring
- Verizon MOU re: stabilizing poles
- CPC Grant Application: Main Street Rehabilitation Plan
- HDC joint meeting (per Certified Local Govt. agreement)

- 2022 Workplan (New Business)
  - Possible Projects
    - Town owned Historic Resources
      - survey and preservation plan for town owned resources
    - Archaeology
      - Exploration of recognizing native lands
      - Liaising with Tribes
    - NHC Bylaws
  - Inquiries
    - Town Records – are there any records to digitize/organize?
    - Signs on Milestone Road – can some come down?
    - Lighting – switch to LED, Historical Concerns
  - Development
    - Small projects loan fund (Arlington Model)
    - More joint work with HDC
      - Outcomes of November meeting TBD
- ATM Actions
  - Letters
    - Pool Citizens Warrant
  - Possible letters
    - Working with Planning Board/NP&EDC
    - Review of NHC charter
  - Other possible ATM action?
  - Any possible budget requests?

- Update to Select Board
  - Comments and vote on update

Annual Report of the Nantucket Historical Commission FY 2020-2021

The Nantucket Historical Commission is responsible for preservation planning and advocating for the protection of historic resources on Nantucket. The commission meets monthly on the third Friday of the month.

For the 2021 calendar year, the NHC established two broad goals and planned projects in support of the goals.

Goal 1: Increase protection of Historic Resources by the Town of Nantucket and all elected leaders

The NHC made significant progress against this goal by initiating an island-wide survey of historic resources. A comprehensive survey of historic resources is the foundation of preservation because one cannot protect what has not been documented. The NHC applied for and received a $26,500 grant from the Massachusetts Historical Commission (MHC) to fund half the cost of a pilot survey and survey plan for the entire island. The survey will initiate in Fall 2021 and is expected to be a 12 month project. The survey plan, once complete, will identify the key areas, pace, and cost of future survey work. This is the first comprehensive study of historic resources on Nantucket in over 30 years. These surveys will be used by the HDC when evaluating applications.

We also made progress against Goal 1 by participating in the MHC review of the Sparks Avenue sidewalk and Sewer Force Main #3 projects. Our comments on the Sparks Avenue sidewalk were minor. Our work on the Sewer Force Main #3, which winds through the Historic Downtown and will result in extensive excavation, was more substantial. We assisted our colleagues in the Sewer Department in identifying and planning for the protection of historic pavement and street objects during the project.

Protection of historic pavement has been a multi-year initiative of the NHC. We delivered final recommendations and guidelines for the preservation and maintenance of historic pavement. Our research resulted in a new specification for laying cobblestones in permeable sand, rather than stone dust. This specification was adopted by the DPW. Our recommended guidelines are published on the NHC's website and will be a valuable resource for the DPW and contractors working on Nantucket's streets going forward.

Another key result furthering Goal 1 was to meet at least annually with the Historic District Commission. We were not able to meet with the HDC in this fiscal year. However, a meeting is planned for November 2021.

We continue to advise our colleagues in the Planning Department on matters of preservation planning. We authored a report summarizing past development plans for the Harbor Place/Wilkes Square parcel. The report emphasized the importance of a Municipal Harbor Plan

and Chapter 91 regulations, and advised the Town and the public regarding zoning options and the remaining historic resources at the site. The report is published on the NHC website.

Goal 2: Increase Support for Preservation among key associations (Builders, RE Agents, Homeowners) and the broadly defined public.

We partnered with the Nantucket Association of Real Estate Brokers to encourage them to offer the Massachusetts Real Estate Board's approved course: Selling Historic Homes. The class was postponed due to COVID, but we expect to deliver this class in Spring 2022. It will emphasize the unique aspects of historic homes, the availability of Historic Preservation Tax Credits for qualified rehabilitation, and other special attributes of historic homes.

We identified salvaging historic interiors as a worthwhile initiative that could engage the community of builders and contractors. We supported a Worcester Polytechnic Student Project investigating the reduction of Construction and Demolition waste.

Another key result we identified to further Goal 2 was connecting with Nantucket's Black community around preservation and history. We produced a memorial to Arthur Cooper, a self-emancipated African American who lived on Nantucket in 1822. The monument was installed in partnership with the Land Bank and the Museum of African American History in a well-attended dedication program which included speakers from the Town and visitors from off-island.

Lastly, we joined a collaborative of island history organizations working to create an exhibit on the history of preservation on Nantucket in 2023.

We are grateful for the support of our colleagues in the Town of Nantucket, and thankful for the opportunity to serve.

Michael Steinitz
Deputy State Historic Preservation Officer
Massachusetts Historical Commission
220 Morrissey Boulevard
Boston, MA 02125-3314

Due: 5 p.m., November 15, 2021
No faxed or emailed applications

FY 2022 LETTER OF INTENT TO APPLY FOR SURVEY AND PLANNING FUNDS

1. PROJECT TITLE: Island of Nantucket Community Wide Survey of Historic Resources

2. COMMUNITY/COMMUNITIES: Nantucket Island

3. APPLICANT ORGANIZATION: Nantucket Historical Commission (Town of Nantucket)
   ADDRESS: 2 Fairgrounds Road
   Nantucket, MA 02554
   PHONE: (508) 228-7587 FAX: (508) 228-7298
   EMAIL: nhc@nantucket-ma.gov

4. LOCAL PROJECT COORDINATOR: Ms. Holly Backus, Preservation Planner, Town of Nantucket
   ADDRESS: 2 Fairgrounds Road
   Nantucket, MA 02554
   PHONE: (508) 228-7587 FAX: (508) 228-7298
   EMAIL: hbackus@nantucket-ma.gov

5. AMOUNT OF FUNDING REQUESTED: $ 20,000 (50%)
   LOCAL SHARE: $ 20,000 (50%)
   TOTAL PROJECT COST: $ 40,000 (100%)

6. PRELIMINARY BUDGET AND MATCHING SHARE INFORMATION (ESTIMATED):

   LOCAL SHARE SOURCE: Town of Nantucket
   CASH AMOUNT: $ $20,000
   IN-KIND SERVICES (paid employee on staff): $
   DONATED VOLUNTEER TIME: $

7. AUTHORIZED APPLICANT SIGNATURE:
   Hillary Hedges Rayport
   (NAME, PLEASE PRINT)
   Chair, Nantucket Historical Commission
   (TITLE) (DATE)

8. NARRATIVE STATEMENT (**ATTACH A ONE-PAGE, TYPED NARRATIVE STATEMENT**):

Explain in a concise statement how the proposed project relates to past, current, and future preservation activity in the community, region or state. Describe how the results of the proposed project will be incorporated into the community, region, or state planning process, and the extent to which the results will be made available and used by the general public. Provide any other information on the special qualities of the project, which makes it deserving of funding. Please address the five Selection Criteria for Pre-Applications. (See Guidelines Item F.)

Nantucket Island is a National Historic Landmark of singular cultural and historical importance in the Commonwealth. The island represents a large and concentrated collection of historic resources, well preserved and often in an unspoiled historic setting. Archaeological resources – both Native American and Colonial – are similarly significant. Nantucket's National Historic Landmark status was updated in 2012 and acknowledges 5,027 contributing structures, concentrated in two exceptionally well-preserved historic towns and scattered throughout the island. Historic cemeteries, rare habitats, cultural landscapes and archeological lands are additional contributing features. Nantucket's periods of architectural and cultural significance include the Colonial, Early Republic, Mid-19th Century, Late Victorian, Late 19th and 20th Century Revival, and Late 19th Century and Early 20th Century American movements.

The last comprehensive municipal effort to inventory historic structures on Nantucket occurred in 1989. Information collected was in many cases based on a windshield survey. Of the nearly 3000 entries in MACRIS, most have inventories from this period. Many resources have not been surveyed, especially early and mid 20th century structures.

The Nantucket Historical Commission applied for and received an MHC survey and planning grant in 2021. The Town is currently kicking off the project, which will produce a pilot survey of 100 structures in the Fish Lots, and an island-wide survey plan, by September 2022. The selected consultant is PAL. Survey plan goals include an implementation plan, to complete a survey of the entire island.

If another grant is awarded, it will allow the Town of Nantucket to proceed with implementation of the survey plan.

Please address the five Selection Criteria for Pre-Applications
This project will represent a public benefit because Nantucket is under extreme development pressure and also, in areas, extreme threat of sea level rise. Nantucket's coastal resiliency plan estimates that now through 2070, 2,373 structures are at risk of coastal flooding and erosion, and at least half of these structures are historic. Documenting historic resources is a top priority statewide, and will assist in the protection of historic structures on Nantucket. The grant will be matched with town funds which will be requested in the 2022-2023 budget. The town maintains available free-cash to fund the effort prior to reimbursement. The grant is necessary due to the large number of high priority needs in the town, including infrastructure, coastal resiliency, and social services. The size of the project budget is dictated by the unusual expenses of conducting business on Nantucket, including travel expenses for ferries, parking, and lodging, and because of the community-wide scope of the project. We believe the survey of the selected area can be completed on budget and well within the 12 month time frame; beginning July 2022, because we will be following a well thought-out implementation plan and methodology, defined in our survey plan. Nantucket is a unique geography that has not updated its historic surveys in decades. For all of these reasons, we believe we meet the funding criteria of the MHC.

Subject: RE: poles
Date: Friday, October 8, 2021 at 12:20:44 PM Eastern Daylight Time
From: Erika Mooney
To: 'Hillary Hedges Rayport'
CC: Holly Backus

Hi Hillary:
Sorry, I thought I had responded. I received it and sent it to Town Counsel. Waiting to hear back from him and then I'll send to Verizon.

Erika

Erika D. Mooney
Operations Administrator
Town of Nantucket
16 Broad Street
Nantucket MA 02554
508-228-7266
508-228-7272 Fax

From: Hillary Hedges Rayport <hrayport@mac.com>
Sent: Friday, October 8, 2021 10:08 AM
To: Erika Mooney <EMooney@nantucket-ma.gov>
Cc: Holly Backus <hbackus@nantucket-ma.gov>
Subject: FW: poles

Hi Erika,
I hope you saw this email I sent earlier this week, and that it makes sense.
The NHC is meeting next Friday and I will post the meeting today. We have "Verizon poles" on as a place holder in case there is anything to discuss.

Let me know if there is anything else you are looking to the NHC for on this, at this point, so Holly and I can be sure to bring it up with the Commission.

Thanks,
Hillary

From: Hillary Hedges Rayport <hrayport@mac.com>
Date: Sunday, October 3, 2021 at 3:47 PM
To: Holly Backus <hbackus@nantucket-ma.gov>
Cc: Erika Mooney <EMooney@nantucket-ma.gov>
Subject: poles

Hi Holly, I spoke with Erika on Friday and we agreed the most efficient and helpful thing would be if we could send her a list of questions she can pass on to Verizon.

Erika & Holly: I've attached the Osmose brochure, which has photos of various types of trusses.

According to the brochure, Osmose invites inquires about "Fiber-wrap" a product for poles "in areas where the product needs to match the existing pole". The product sheet attached shows the Fiber wrap pole. The product is obviously developed as a more visually acceptable alternative to the standard truss. Then again, it

might simply look strange, and be a worse option than something metal. Hard to say without actually seeing it.

My questions for Verizon/Osmose would be:

1. What is the cost to Verizon to replace a pole on Nantucket? What is the expected cost to truss the pole?
2. Tell us more about the Fiber wrap option.
3. Where in Hyannis or Boston areas can one go to see an example of the steel trusses and the Fiber Wrap installed?
4. Which steel truss is proposed for Nantucket (standard, thin shell, high density, etc?) Please supply a photograph of the truss(es) proposed.
5. Please supply a drawing showing the dimensions of a trussed and un-trussed pole. By how much does the truss increase the diameter of the pole?
6. Some poles have conduits running up them. Can these be run under the truss, or will they be run outside the truss?
7. Please explain how the truss is fixed to the pole and if this creates any sharp edges which can catch on passersby.

Holly, please add additional questions as you see fit.

There are some locations where it probably won't matter if there is a truss – the standard trusses do not wrap around the whole pole (the thin shell ones wrap around the whole pole). But there are other locations that are tight enough or aesthetically sensitive enough that we might want to insist on pole replacement, even at higher expense. If it gets to that, I guess NHC would need to go around and look at the locations and make a recommendation to the Town.

Assuming Verizon can answer these questions, I think the NHC commissioners will have the information they need to advise the Town.

Best,
Hillary

Wood Pole Restoration Systems

Reliable, Long-Term Solutions for Extending Service Life

Osmose®

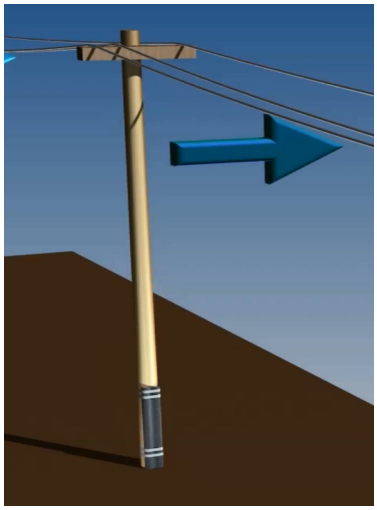
Reliable Wood Pole Restoration

Osmose has been a trusted name in utilities services since 1934. As a world leader in wood pole inspection and restoration, Osmose technicians are experts at evaluating a pole's remaining strength and suitability for restoration. This includes using preservatives to control decay and protect the remaining serviceable wood to ensure the longevity of the newly-restored pole and the overall integrity of your pole plant.

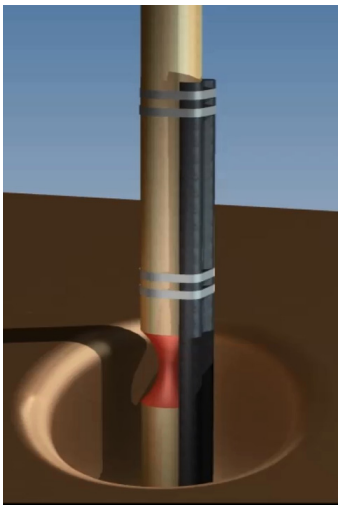
- Restores code-mandated strength
- Adds decades of service life
- Avoids the hassle of change-outs and service interruptions
- Saves money - pole restoration is often one-third or less of the cost of pole replacement.
- 100% capital investment

How Trusses Work

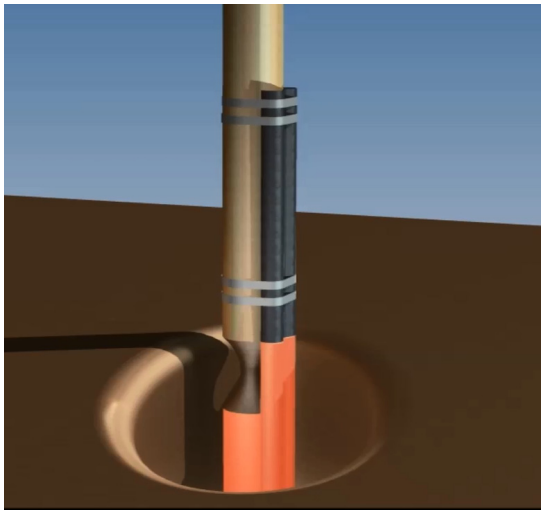
When bending loads are applied to a reinforced pole, they are transferred to the truss. The truss allows the bending loads to effectively bypass the decayed or damaged groundline area of the pole, transferring the loads to sound wood foundation below ground.



Wind loads create a bending moment at groundline.



The decayed area (in orange) is bypassed.



The bending load is transferred to sound wood foundation below ground via the truss.

Osmose Trusses: Engineered for Safety & Reliability

Osmose trussing systems are engineered for safety and reliability, and have been thoroughly tested and proven throughout their 50-year history. No other pole restoration system has a comparable history of success in actual field applications.

- Constructed to exceed NESC strength requirements; formed from 80,000 (C-Truss®) and 100,000 (C2-Truss™) psi yield strength steel
- Hot-dip galvanized to ASTM A-123 standards to ensure long-term corrosion protection
- Banding is the strongest in the industry at 138,000 psi tensile strength (minimum)
- Maintains positive contact with the pole butt below ground to properly transfer bending loads
- Wood poles are remedially treated to effectively control decay and ensure the longevity of the restoration

C-Truss Versus C2-Truss

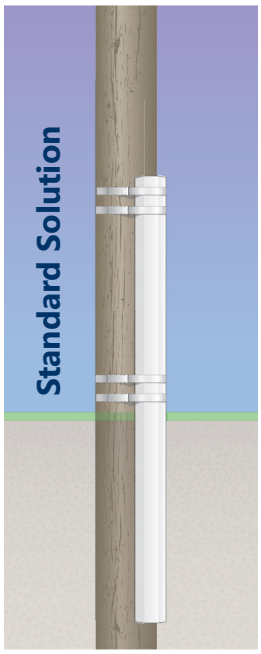
The Osmo-C-Truss® systems typically restore transmission and larger distribution-size poles. The patented C2-Truss™ systems restore common distribution size poles with an optimized design that moves the shear center closer to the pole resulting in less twist under load, while utilizing higher strength steel for a lighter truss. The result is a more efficient, lighter weight, lower cost truss.

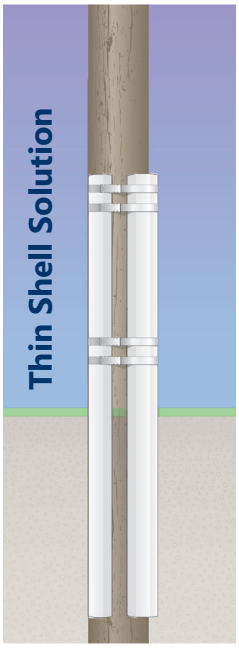
Common C-Truss Sizes	Theoretical Ultimate Strength
980	76,900 ft-lb
1080	94,900 ft-lb
1180	112,200 ft-lb
1280	129,400 ft-lb

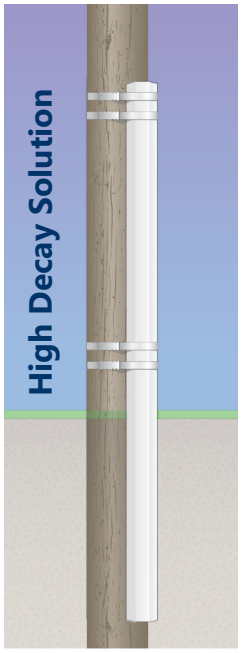
Common C2-Truss Sizes	Theoretical Ultimate Strength
C2-36	37,200 ft-lb
C2-49	49,600 ft-lb
C2-56	56,400 ft-lb
C2-71	71,700 ft-lb

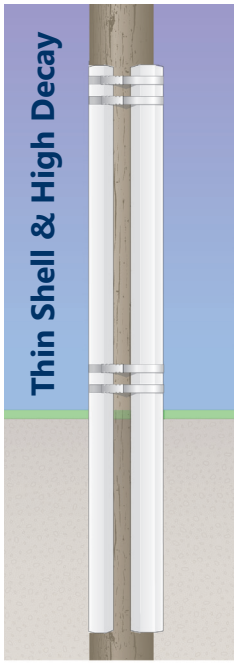
Trussing Options

Truss solutions can be adapted based on pole conditions. For more advanced decay (thinner shell applications), double trussses can be utilized to restore code-mandated strength. For decay that has progressed beyond standard installation heights, a taller truss is the best solution.









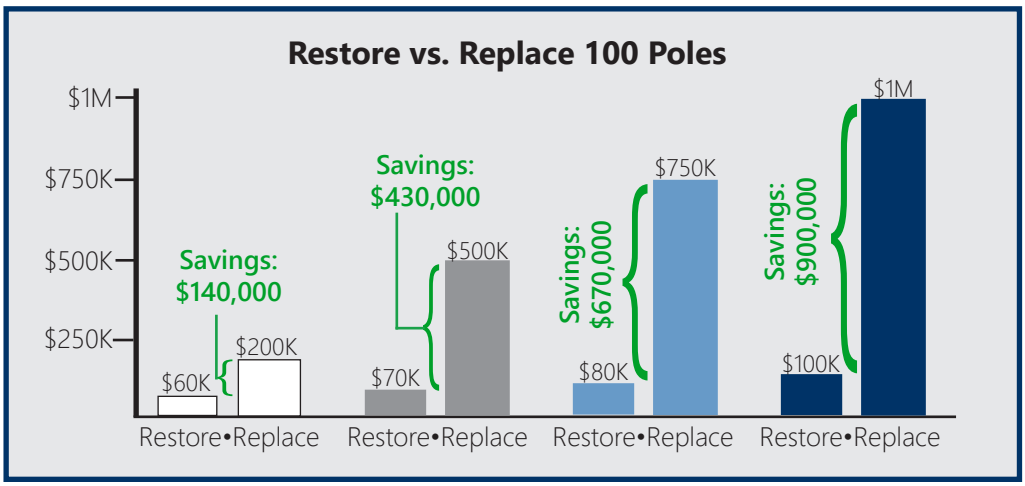
An Alternative to Trussing: FiberWrap™ II

Osmose FiberWrap is a omnidirectional* and fully-scalable^ composite repair system ideal for:

- Poles with limited access
- Poles in areas where the restoration needs to match the appearance of a new wood pole

*same strength in all directions ^can accommodate poles with high decay and decay at varying heights

Cost Benefit Analysis: It Pays to Restore Versus Replace



Average Replacement Cost:

- $2,000/pole
- $5,000/pole
- $7,500/pole
- $10,000/pole

Osmose Turnkey Pole Restoration Services

As wood pole inspectors, pole reinforcement product designers, and installers, Osmose provides true turnkey wood pole management services to clients across the U.S. In fact, our skilled and trained technicians evaluate millions of poles each year, while ensuring C-Truss and C2-Truss solutions are properly specified and installed so that our customers receive substantial, long-term value from their pole plant investments.

System Hardening

Osmose wood pole restoration also acts as a system hardening solution by improving an overhead circuit's resistance to extreme weather events. Without the restored strength the truss provides to the weakened pole, the overall circuit is at greater risk of an outage during a significant weather event.

A utility's grid **resiliency** is positively affected with a robust pole inspection and restoration program. Weakened poles discovered during inspection and rehabilitated with an Osmose C or C2-Truss will help minimize the number of wood poles needing attention, as utility crews work to restore power to the grid after a significant weather event.

Upgrade Pole Capacity with the ET-Truss™

The Osmo-ET-Truss® works in conjunction with sound wood poles to create a combined capacity greater than the original pole class rating.

- Upgrade pole capacity by 1, 2, 3, or more classes.
- Save money - the cost is often 1/3 or less than the cost of replacement.
- Avoid the extra effort and delays associated with coordinating change-outs.
- Upgrade an entire line without service interruption.

50 Years of RELIABLE RESTORATION

Osmose Trusses: Long-Term Solutions, Not Short-Term Deferrals

Installed in 1967 - In service 50 years and counting!

Installed in 1968 - In service 49 years and counting!

Installed in 1970; new bands and cover cap installed in 2008 - In service 47 years and counting!

Ideal for Difficult-to-Access Poles

Poles in difficult locations such as hillsides, backyards or other difficult-to-access areas can be trussed to avoid costly, time-consuming replacements.

Osmose®

The Structure Company

Osmose Utilities Services, Inc. • 770.631.6995 • www.osmose.com

FiberWrap™ II

Composite Wood Pole Restoration System

Osmose pole restoration systems have demonstrated their dependability over more than five decades of field use. Osmose crews can restore poles quickly without disruption to service.

FiberWrap™ II composite repair system is ideal for decayed or damaged poles with limited access, poles requiring an on-site, scalable solution, or poles in areas where the restoration needs to match the appearance of a new wood pole.

The specialized composite materials in FiberWrap II are stronger than those used in other systems, providing superior performance when exposed to moisture, heat, cold, and freeze-thaw cycles. Because FiberWrap II is engineered to provide strength without requiring a bond to the pole's surface, the most effective remedial treatments can continue to be used to provide long service life.

- ✓ Omnidirectional and fully scalable - Same strength in all directions. Can accommodate poles with high decay and at varying heights.
- ✓ Superior durability through a unique combination of specialized materials
- ✓ Superior strength through an optimized quadriaxial, hybrid fabric
- ✓ Electrically insulated material
- ✓ Significantly extends pole life
- ✓ Cost-effective alternative to pole replacement
- ✓ No service interruptions

Contact your local Osmose professional, call 770.631.6995, or email poleinfo@osmose.com.