



PROJECT CASE STUDY



PROJECT OVERVIEW

The Eastern Coast of Virginia

Customer:
Power Company via Ferguson Waterworks

Location:
Eastern Virginia

Product:



CHALLENGES:

Protecting a power substation experiencing heavy precipitation and repeated TRM/sod failure.

SITE DESCRIPTION:

- ✓ Standard annual/perennial grass and legume mix
- ✓ Silty Clay Loam soil
- ✓ Approximate 4 ft wide channel bottom
- ✓ Experienced over 6 inches of rainfall and 50+ mph winds over several days



*"InstaTurf surprised me"
Standing Strong
Against Hurricane Forces*

- Del Fuller, Ferguson Waterworks

BACKGROUND:

Previous sod and turf reinforcement mats (TRMs) had failed repeatedly, leaving the site vulnerable to erosion. Ferguson Waterworks, an InstaTurf ShearForce distributor, was contacted by a power substation owner in Eastern Virginia facing costly erosion problems.

SOLUTION:

Del Fuller of Ferguson Waterworks recommended InstaTurf ShearForce10, a lightweight and effective erosion solution. The product was chosen over rock, and its inherent logistical challenges. Installation was quick and cost-effective, making it an ideal choice.

THE TEST:

Shortly after installation, Hurricane Isaias struck, subjecting the ShearForce10 to heavy rainfall and strong winds. Del inspected the site post-storm and was pleasantly surprised to find no visible soil loss. ShearForce10 had withstood the challenge, with grass already growing through it.

RESULTS:

- ShearForce10 proved effective under extreme conditions, surpassing expectations.
- Grass was thriving, and soil protection was excellent.
- The site owner now uses ShearForce10 on other projects due to its reliability and cost-effectiveness.



ShearForce10 channel installation



ShearForce10 post-hurricane



ShearForce10 post-hurricane

**For more information,
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