



ConduDisc ROI Investigated

Increase the reliability of your utility network while reducing downtime with SAE's ConduDisc Utility Ground Plate.

The ConduDisc is a conductive grounding plate that dramatically enhances the performance and longevity of utility grounding systems while virtually eliminating electrode corrosion. All in a simple and quick 3 step installation system that is maintenance free for more than 60 years.

By using the ConduDisc grounding system compared to the traditional metal ground rod system in use today, you will benefit from:

- Increased safety during installation, maintenance and fault performance
- Better asset protection and reliability through reduced ground resistance
- Reduced installation time and costs
- Lowest lifecycle cost due to reduced corrosion and replacement

Increased Safety

Installation

Eliminated ergonomic strain associated with ground rod installation work methods

Maintenance

Life cycle of 60 years
No rod removal or re-installation

Fault Performance

Corrosion proof
Ground plate will be intact (not corroded or stolen) to perform when its needed, 5 or 10 or 60 years from now!

Better Asset Protection and Reliability

ConduDisc has a lower resistance at install and many years later, there is no corrosion degradation or significant resistance increase over the life of the ConduDisc

System protection functions as designed over the life of the ConduDisc

This results in improved network reliability and predictability

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Reduced Installation Costs

ConduDisc Installation

1. Affix 2 screws to the bottom of pole
2. Staple wire to the pole
3. Install pole

Time: 5 minutes

People: 1 person

Cost: \$7 (based on \$85/hr wage*)



Ground Rod Installation

1. Perform buried structure locate
2. Dig trench from pole to ground rod location
3. Lift and set ground rod driver on rod to install rod
If rock/soil obstruction, attempt to remove/cut off and begin again
4. Connect ground wire to ground rod
5. Bury top of rod
6. Bury ground wire in trench

Time: 25 minutes on average per rod

People: 2 persons

Cost: 25min x 2 x 85 = \$71 (based on \$85/hr wage*)

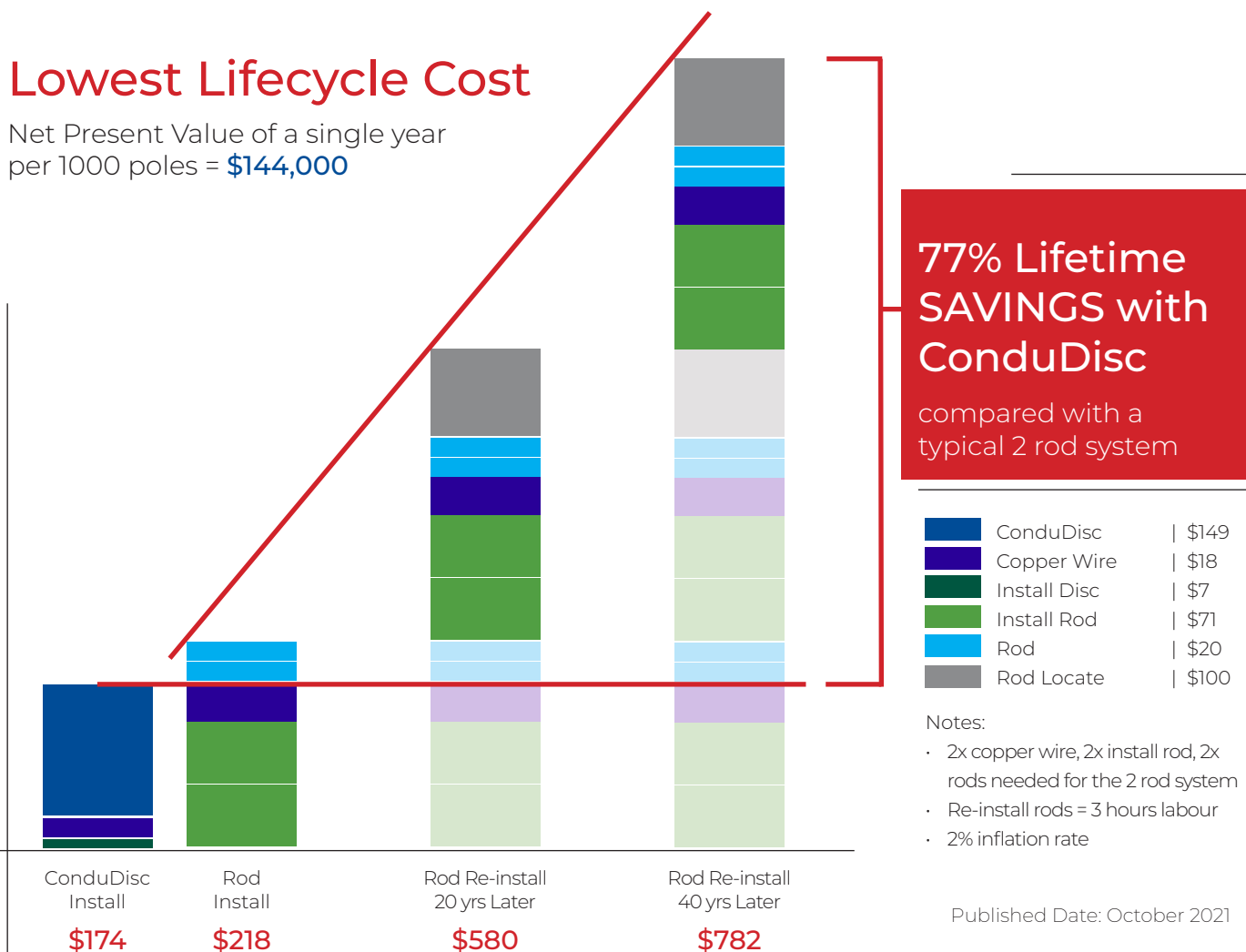
*Fully loaded labour rate



90% TIME SAVINGS

Lowest Lifecycle Cost

Net Present Value of a single year
per 1000 poles = **\$144,000**



TOTAL COST

ConduDisc Install
\$174

Rod Install
\$218

Rod Re-install 20 yrs Later
\$580

Rod Re-install 40 yrs Later
\$782

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