



Strengthen the Grid for Longevity and Resilience

GridWrap, Inc., a woman-owned company, is at the forefront of solving the US grid infrastructure crisis. The seasoned leadership team includes Dr. Talieh Zargar as Chief Technology Officer with a Ph.D. in Engineering Mechanics, Dr. Davoud Zamani serving as Chief Executive Officer with specialized expertise in Material Science and Advanced Composites, and Elizabeth Gabriele as the Vice President of Communications. Our mission at GridWrap is to provide cutting-edge, grid-enhancing solutions like PoleWrap™ and Composite WiRe Wrap™. We are dedicated to building a grid infrastructure that is safe, affordable, reliable, and resilient.

Imperial Valley is the heart of Imperial County and is considered a Disadvantaged Community. 80% of residents do not speak English, and the larger region includes Fort Yuma and Torres-Martinez tribal lands. Imperial Valley has the highest unemployment rate in the state. Agriculture in Imperial Valley relies on a steady supply of energy that requires a dependable power infrastructure to maintain farm activities, safeguard food security, and bring economic growth. However, Imperial Valley faces numerous issues with its grid, including aged infrastructures, infrastructure security risks, and vulnerability to extreme climate events. Strong winds, heatwaves, and wildfires damage power poles and disrupt the electricity supply, consequently affecting agricultural productivity and community welfare.

Imperial Irrigation District initiated improvements by replacing aged poles, but rapidly, both new wooden poles and the concrete foundations of steel poles showed early signs of deterioration. Imperial Valley is exploring ways to enhance its grid's resilience and reduce outages to achieve uninterrupted energy services to communities and its agriculture industry. The potential collaboration with GridWrap is a promising avenue to overcome these infrastructure challenges and provide high-skill jobs for local underserved communities. This partnership could result in stable energy supply chains that strengthen agricultural permanence and foster economic growth for the residents of Imperial Valley.

Our Partners: Imperial Valley Economic Development Corporation

Imperial Irrigation District

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CEO Davoud Zamani conducted a training session in Imperial Valley to strengthen their utility poles.

