

# Statement of Qualifications



**1.920.893.8388 | [ARCHRENEWABLES.COM](https://ARCHRENEWABLES.COM)**

# WHO WE ARE



## »»» HISTORY & BACKGROUND

Arch Electric, Inc.

- Established in 2003, in Plymouth, WI
- Family-owned, 2<sup>nd</sup> Generation
- Certified Women's Business Enterprise
- AMICUS ethical cooperative member
- In-house operations and maintenance team
- NABCEP-Certified PV Installation Professional

## »»» OFFICE

1237 Pilgrim Road, Plymouth, WI  
920.893.8388



## »»» SERVICE TERRITORIES



## »»» SAFETY

- Project Specific Healthy and Safety Plans
- Dedicated Environmental, Health and Safety Coordinator
- Daily/Weekly Safety Reports
- ISNetworld Approved Contractor



## »»» QUALITY ASSURANCE

- Dedicated Quality Control Manager On Site
- Third Party Inspections Conducted by Arch O&M
- Project Commissioning Plan, including compliance with:
  - IEC 62446-1
  - IEC 60364-6
  - ANSI/NETA ATS-2017
  - IEEE 81

1.920.893.8388

# SERVICES PROVIDED

## Construction Management Services, Including:

- Project Health and Safety Plan
- Job Site Security
- Temporary Power, Gas, and Water
- Job Trailer and Secured Storage
- Gravel Pads for Parking
- Entrance Roads
- Site Clearing and Temporary Seeding
- Storm Water Controls
- Vegetation Management
- Topographical Surveys and Grading
- Weekly Owner's Meeting, Featuring Safety and Construction Schedule Updates

## Quality Control, Including:

- IV Curve Testing
- Drone IR Module Mapping
- IR Equipment Scans
- Conductor Resistance Testing
- Conductor Polarity Testing
- Torque Log
- VLF and Transformer Testing
- Testing Services performed through NETA Standards

## Electrical Construction, Including:

- DC to Medium Voltage Electrical Construction
  - Equipment Pad Construction
  - Weather Stations and Communications
  - Excavating
  - Compaction Testing
  - Dedicated Quality Control Management

## Mechanical Racking Construction, Including:

- Piles, Rack, and Module Installation
- Single Axis Tracker or Fixed Tilt Systems
- Topographical Mapping services
- Trimble Guided Equipment
- Surveying
- Pile Load Testing
- Dedicated Quality Control Management



# ARCH ELECTRIC TIMELINE



2003

Arch Electric, Inc. is founded in the basement of Ed and Mindy Zinthefer's farmhouse.

2005

Ed Zinthefer becomes one of the first NABCEP Board Certified PV Installation Professionals in the country.

2010

Arch Electric, Inc. tackles its first commercial job with Maywood Environmental, a city-owned park and ecology center in Sheboygan, WI.



Maywood Environmental

2014

Arch Solar's Milwaukee Group Buy Program successfully installs dozens of arrays on residential homes in the span of 1 year.



Milwaukee Group Buy

2017

IKEA partners with Arch Electric to install a 1.62MW system on their Wisconsin store rooftop, leading to more IKEA rooftop projects in Illinois.



IKEA Project

2018

Butter Solar portfolio introduces Arch Electric as a prevalent electrical contractor dedicated to utility solar.

2019

Mendota project launches Arch Electric as a full-service mechanical contractor.



Mendota Project

2021

Arch bolsters its statewide reach with the Mastodon Portfolio, working as the general contractor for 4 concurrent projects in Wisconsin.

2022

Technology advancements allow Arch's Trimble GPS-guided Hercules post pounder to automate and expedite processes.



Green Valley Dairy Project

1.920.893.8388

# EXPERIENCE & KEY MEMBERS



The following team members play a critical role in the design, engineering, procurement, construction, and administration of the company's solar electric systems, and will specifically contribute to the solar project.

Arch Electric is unique because we are vertically integrated. This means every Arch Electric project will be handled by Arch employees from the beginning to the end, ensuring you have consistent updates and cross-functional experts who are working together for the success of your project.



## Ed Zinthefer

President

- 20+ year Master Electrician with experience in large industrial wiring and complicated control systems
- NABCEP - PV Installation Professional



## Dan Steinhardt

Business Development

- WI Master Electrician #1110547
- Certified Energy Manager #24334
- NABCEP Associate PVA-022020-031849



## Mindy Zinthefer

Owner & CEO

- 20 years in the solar industry leading Arch through a changing landscape
- Emphasis on quality, service, and environmental stewardship



## Evan Nordby

Head of Business Operations

- NABCEP Associate PVA-102921-013829
- BA in Accounting & Business Administration



## Jeff Ray

Director of Finance

- 25+ years of comprehensive accounting and financial experience
- BS in Accounting
- MBA
- NABCEP Associate PVA-031320-031982



## Haley Feeny

Human Resources Manager

- Well-versed in labor requirements and hiring diverse talent pools
- Compliant with labor standards and apprenticeship requirements in multiple states



## Terry Hamer

General Manager

- 20 years of electrical and engineering experience
- Certified Navy Nuclear Engineer
- BS in Physics
- MBA- The Wharton School



## Hannah Farnsworth

Accounting

- Experienced in Cash Management and timely processing of payments and receipts
- Dedicated to timely and accurate accounting and financial management

# PROJECT HIGHLIGHTS



## »»» BONDUEL

This 8.6MW site in Bonduel, WI had zero recordable incidents on site.



## »»» ENGEL 1A

A 3.0MW site in Sandwich, IL, the Engil 1A project has over 1500 hours of apprentice- labor.



## »»» DALLUGE

Dalluge highlights a 5.29MW site in Champaign, IL. This project finished mechanical completion 1 month early.



## »»» REIFSCHNEIDER

Reifschneider is a 13.6MW site in Belleville, IL. With 22,565 Q.Peak solar panels, the project saw over 10,800 hours of labor by apprentices. Our team of 62 employees worked for 6 months, through unexpected weather delays, and had 0 recordable incidents on site.



## »»» WANDA CLARK 1 & 1A

The Wanda Clark projects are 6.2MW of solar co-located in San Jose, IL. This site uses 32 inverters and over 10,500 solar panels to offset the equivalent of 6,831 metric tons of carbon dioxide.



## »»» PEEBLES

Peebles highlights a 5.99MW project in Marion, IL. The team of 44 employees completed the job in 7 months, due to weather delays in the colder seasons. With perseverance and technical skill, all 10,344 modules were placed and operational before year-end.

1.920.893.8388