Joann Macareno

Assistant Chief Engineer

joann.macareno@gmail.com
(553) 800-9193
1234 Desert Valley Rd, Phoenix, AZ 85001

EDUCATION

Bachelor of Science in Mechanical Engineering at Arizona State University, Tempe, AZ

Aug 2014 - May 2018

Relevant Coursework: Mechanics, Thermodynamics, Fluid Mechanics, Heat Transfer, Materials Science, Dynamics, Controls, Manufacturing Processes, Machine Design, and Engineering Analysis.

LINKS

linkedin.com/in/joannmacareno

SKILLS

- AutoCAD proficiency
- HVAC expertise
- PLC programming
- BIM modeling
- LEED certification
- Six Sigma knowledge
- Revit mastery

LANGUAGES

- English
- Spanish

HOBBIES

Model building (e.g. ships, planes, or trains)

PROFILE

A diligent Assistant Chief Engineer with 5 years of experience in managing engineering operations, optimizing maintenance processes, and ensuring safety compliance. Skilled in leading cross-functional teams, implementing cost-effective solutions, and driving continuous improvement to achieve operational excellence. Possesses strong technical knowledge, excellent communication skills, and a proven track record of executing complex projects in a timely manner.

EMPLOYMENT HISTORY

Assistant Chief Engineer at Arizona Public Service (APS), AZ

May 2023 - Present

- Successfully managed and completed a $10 million substation upgrade project, resulting in a 20% increase in power transmission capacity and improved reliability for over 50,000 customers in the Phoenix metropolitan area.
- Led a team of 15 engineers and technicians in the development and implementation of a comprehensive preventative maintenance program, reducing unscheduled equipment downtime by 30% and saving APS over $2 million annually in maintenance costs.
- Implemented a new energy management system, optimizing power generation and distribution across APS's network, resulting in a 10% reduction in energy losses and saving the company an estimated $5 million per year.
- Oversaw the successful integration of 100 MW of renewable energy sources into APS's grid, contributing to the company's goal of 15% renewable energy by 2025 and reducing greenhouse gas emissions by 200,000 metric tons per year.

Associate Assistant Chief Engineer at Salt River Project (SRP), AZ

Sep 2018 - Apr 2023

- Successfully managed a team of 15 engineers in the design and implementation of a $10 million power plant upgrade project, resulting in a 20% increase in energy efficiency and reducing emissions by 15%.
- Streamlined the maintenance processes for SRP's hydroelectric facilities, leading to a 25% reduction in equipment downtime and saving the company $2 million annually in maintenance costs.
- Developed and executed a comprehensive training program for new engineering hires, improving their onboarding process and reducing the time-to-productivity metric by 30%.
- Led the evaluation and selection of a new energy management system for SRP, which increased the accuracy of energy consumption data by 10% and allowed for more effective load forecasting and management.

CERTIFICATES

Professional Engineer (PE) License

Jul 2021

Certified Reliability Engineer (CRE)

Dec 2019