

ELECTRICAL TRAINING

(0.6 CEU PROVIDED)

PV ENERGY STORAGE SYSTEMS

Presented by: Mark Ode

Mark Ode worked as a licensed electrician and electrical contractor for 27 years and was president of Ode Electric for 15 years. He has written monthly NEC articles for Electrical Contractor Magazine and was Senior Electrical Specialist for the NFPA. Mr. Ode has taught the National Electrical Code throughout the United States, Europe, and Asia.

WHEN:

Saturday, October 16, 2021
7:30 am to 2:00 pm

WHERE:

Durango Hills Golf Club
3501 N. Durango Drive
Las Vegas, NV 89129

Register [here](#) for IAEI Members – \$225
Register [here](#) for Non-IAEI Members – \$250

Class Syllabus on PV Installations

- I. History of photovoltaics
- II. Review of Various Types of PV and Construction of Modules
- III. Explanation of Series Strings and Parallel Connections of Strings
- IV. Review of Hybrid PV Systems, Definitions, and Components
- V. Review of the 2020 NEC Requirements in Article 690
- VI. Activity Showing Maximum and Minimum Voltage of Strings
- VII. Calculation of Maximum Circuit Current from Modules and Combiner Boxes
- VIII. Activity with Maximum System Ampacity and Circuit Sizing
- IX. Overcurrent Protection for PV Module Conductors and Feeders to and from Inverters
- X. Review of Arc Fault Protection of DC System and Rapid Shutdown
- XI. Building Signage and Marking for Rapid Shutdown System

COVID-19 PROTOCOLS AT TIME OF CLASS WILL DETERMINE CLASS SIZE LIMITS

Registration closes on Monday, October 11, 2021

(72-hour notice required for any refund or transfer of class fee)

This class meets the NV Electrical Qualifications Card renewal CEU requirements

David Wadsworth

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Durango Hills Golf Club is located at:
3501 N. Durango Drive
Las Vegas, NV 89129



A detailed map of the Durango Hills Golf Club area in Las Vegas, NV. The map shows the golf club's location, marked with a red pin, situated on N Durango Dr. Surrounding streets include W Gowan Rd, W Cheyenne Ave, and N Durango Dr. Various landmarks and businesses are labeled, such as the YMCA, Durango Hills Park Pickleball Courts, Estancia, AutoZone Auto Parts, Taco Bell, Albertsons, CVS, Little Caesars Pizza, CareNow Urgent Care, Walgreens, and Boomer Naturals. The map also displays a network of residential streets and other local businesses like the Flaut Agency and Ecolution Auto Spa.

