

Facility Operator Certification for Utility Systems

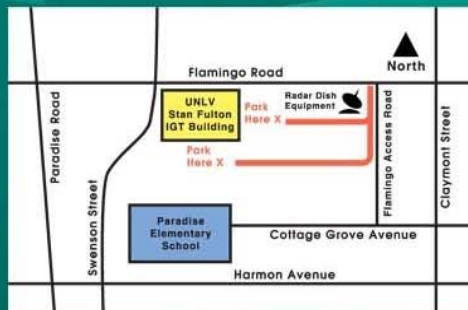
Nevada FOCUS is a collaborative effort of Nevada Power, the College of Southern Nevada (CSN) and the Management Assistance Partnership (MAP) of the Nevada System of Higher Education (NSHE). The purpose of the Nevada FOCUS program is to develop in-state resources for facility energy education at the building operator level and improve energy efficiencies and indoor air quality for building occupants, employees, and patrons.

Nevada FOCUS is recognized state-wide through continuing education of professional development credit. Upon successful completion of each course, CSN will award 0.7 CEU (7 PDH) and issue a certificate of certification to those who satisfy all program requirements.

To become certified, candidates must successfully complete eleven courses of instruction, pass all end-of-course exams and be recommended for certification by the Certification Review Board. Students may enter program at any time. Refer to course calendar on our website.

Fees: \$150 per course. Continental breakfast, lunch, refreshments and free parking provided. Discounts may apply. Please register online at: www.nvfocus.com.

Location: UNLV Stan Fulton International Gaming Institute, 801 E. Flamingo Road, Las Vegas, NV. (see campus map). Each course starts at 7:30 a.m. and concludes at 4:00 p.m. Breakfast is served at 7:00 a.m. Please arrive early for registration.



Southern Nevada FOCUS ADVISORY BOARD

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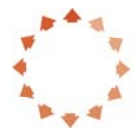
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NEVADA
Industry Excellence
"YOUR STRATEGIC GROWTH PARTNER"

Formerly MAP

Industrial Extension Program of the
Nevada System of Higher Education

In Partnership with



R11-10-09

NEVADA
FOCUS
FACILITY OPERATOR CERTIFICATION
FOR UTILITY SYSTEMS

Track I Courses
Qualified People ...

For Improved
Operations.

MAP
Management Assistance Partnership
manufacturing • construction • mining

FACILITY OPERATOR CERTIFICATION for UTILITY SYSTEMS (FOCUS)

Southern Nevada Track I – January 20, 2009 – February 23, 2010

January 20, 2009 Electrical Systems – Part I

- Basic Applied Electrical Theory – AC & DC
- Electrical Distribution – Primary & Secondary
- Lighting Fundamentals
- Efficient Lighting & Controls

Event #305EV

February 17, 2009 Electrical Systems – Part II

- Electrical Control Circuits
- Motor Theory/Motor Selection – Start/Stop/Ladder Logic
- Electrical Motors – Variable Speed Drives
- Low Voltage Systems – Telecommunications, Security & Fire Alarms

Event #304EV

March 17, 2009 HVAC – Part I

- Central Plant Boilers, Chillers, & Cooling Towers
- Hydronic Systems, Pumps, & Treatment
- Air Handlers – Constant & Variable Air Volume (VAV)
- Testing, Adjusting, & Balancing – Air & Water Systems

Event #303EV

April 21, 2009 HVAC – Part II

- HVAC Systems & Controls – Electric, Electronic & Pneumatic
- Ventilation
- Indoor Air Quality
- Housekeeping & Cleanliness – Equipment, Filters, & Coils

Event #302EV

May 19, 2009 Energy Management Systems(EMCS)

- Why EMS – What It Can Do For You
- Data Visualization – Optimizing EMS Capabilities
- Energy Management – Optimizing Utility Rate Structures
- Computerized Maintenance Management Systems (CMMS)

Event #301EV

June 16, 2009 Commissioning & Operating to Code

- Code Interpretation: UMC, IBC/UBC, NEC, UPC & ADA
- Understanding Theory of Fire & Life Safety Codes
- Code Requirements: Indoor Air Quality – ASHRAE
- Fundamentals of Design – Electrical, Mechanical & Plumbing Systems

Event #300EV

July 21, 2009 Energy Conservation

- Energy Conservation Measures That Work for You
- Identifying Common Energy Waste
- Water Efficiency for Building Operations
- Compressed Air Systems

Event #299EV

August 18, 2009 Innovative Management Principles – Best Practices

- Identifying What Motivates People – Behavioral Modification
- Managing for Energy Efficiency – Eliminating Wasteful Practices
- Project Management Systems – Software that Works
- Project Scheduling Fundamentals

Event #298EV

September 15, 2009 LEED & Green Building Concepts

- Design Goals & Project Objectives
- Integrating Concepts Into Projects
- Alternative Energy Sources
- Passive Energy Conservation Measures – Thermal Envelope Systems

Event #297EV

October 20, 2009 Project Economics, ROI & Cost Benefits – the How To's

- Cost Benefit Analysis
- Life Cycle Costing – Energy Assessments
- Value Beyond the Building
- Investments/Return on Investments (ROI)

Event #296EV

November 17, 2009 Operations & Maintenance

- Preventative Maintenance – Operations, Education & Training
- Thinking Beyond Your Specialty – Extending Equipment Life
- Building Support for Your Cause – Increasing Awareness
- Emergency Power Operations & Stand-by Generation

Event #295EV

January 26, 2010 Building Quality Into Your Systems

- Continuous Quality Improvement – Ongoing Evaluations
- Inspections & Standard Practices That Work for You
- Functional Testing – Developing a Deficiency List
- Safety in the Workplace – Your Primary Consideration

Event #294EV

February 23, 2010 Conservation & Stewardship

- Stewardship – Sustaining the Effort
- Thinking Outside the Box
- Energy Conservation

Event #293EV

Register Online @
www.nvfocus.com