

THOMAS H. BURTNESS, PE, BSEE, CFEI

BURTNESS ENGINEERING SERVICES



Tom Burtness

Contact Information:

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217-687-2000 Office Direct Line

217-898-8000 Cell

Websites: www.electricalexpertwitness.com

www.lightingexpertwitness.com

AREAS OF EXPERTISE – ELECTRICAL AND LIGHTING ENGINEERING

- ✓ Electrical and Lighting Accidents and Injury – Industrial and Roadway – Lighting Fixtures
- ✓ Illumination Engineering – Roadway, Street, Parking Lot, and Area Lighting
- ✓ Electrocution
- ✓ Fire and Explosion Origin & Cause
- ✓ Electrical Equipment and Machinery Installations and Failure
- ✓ Photometric Site Assessments and Illumination Requirements
- ✓ Electrical Power, Controls, and Instrumentation (SCADA)
- ✓ Electrical Construction Defects; Construction and Contract Disputes

EDUCATION and CERTIFICATIONS

University of Illinois at Urbana – Champaign, Bachelor of Science in Electrical Engineering, 1976

Certified Fire and Explosion Investigator (CFEI): National Association of Fire Investigators – NAFI

NFPA 921 and 1033 Fire Investigation Certificates; Investigative Engineers Association

OSHA 511 Certificate; OSHA Training Institute

NFPA 70E Electrical Safety in the Workplace Certificate; National Fire Protection Association

EXPERT WITNESS – Services Available Nationwide – PE Registration by Comity Available in Most States

Licensed PE and former licensed electrician and electrical contractor, Mr. Burtness has provided forensic engineering services to attorneys and insurance companies since 1981, including file review, consultation, site investigation including protocol development, expert opinions, technical and investigative report writing, litigation support and attorney prep, as well as deposition and trial testimony. One of Mr. Burtness' specialties is illumination engineering for street, roadway and parking lot lighting; including photometric requirements, calculations, field verification, equipment specifications, installation requirements, analysis, and construction disputes. Mr. Burtness is also a seasoned public speaker.

PROFESSIONAL MEMBERSHIPS

Illuminating Engineering Society of North America (IES), Member IES – Street and Area Lighting Committee

Institute of Electrical and Electronics Engineers – IEEE

National Association of Fire Investigators – NAFI

National Fire Protection Association – NFPA

American Society of Mechanical Engineers – ASME

National Council of Examiners for Engineering & Surveying – NCEES

THOMAS H. BURTNESS' ACTIVE PROFESSIONAL ENGINEERING LICENSES (Plus AZ, CA, & IA by Law):

Illinois Licensed Professional Engineer, 1983, License No. 062.040946

Alabama Licensed Professional Engineer, License No. 35831

Arkansas Licensed Professional Engineer, License No. 20619

Connecticut Licensed Professional Engineer, License No. 32153

Georgia Licensed Professional Engineer, License No. PE045508

Hawaii Licensed Professional Engineer, License No. PE-19077

Indiana Licensed Professional Engineer, License No. PE11600219

Florida Licensed Professional Engineer, License No. 76442

Kansas Licensed Professional Engineer, License No. 27393

Louisiana Licensed Professional Engineer, License No. 40711

Massachusetts Licensed Professional Engineer, License No. 48045

Michigan Licensed Professional Engineer, License No. 6201064956

Missouri Licensed Professional Engineer, License No. 2017007693

Nevada Licensed Professional Engineer, License No. 025345

New Mexico Licensed Professional Engineer, License No. 25870

New York Licensed Professional Engineer, License No. 96955

North Carolina Licensed Professional Engineer, License No. 50313

Pennsylvania Licensed Professional Engineer, License No. PE090862

South Carolina Licensed Professional Engineer, License No. 40596

Tennessee Licensed Professional Engineer, License No. 119899

Texas Licensed Professional Engineer, License No. 122891

Washington State Licensed Professional Engineer, License No. 50766

West Virginia Licensed Professional Engineer, License No. 24010

Wisconsin Licensed Professional Engineer, License No. 40389-006