

THOMAS H. BURTNESS, PE, BSEE

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

www.SCADAexpertwitness.com

AREAS OF EXPERTISE – ELECTRICAL AND LIGHTING ENGINEERING

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

EDUCATION

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

OSHA 511 Certificate, OSHA Training Institute, 2017

EMPLOYMENT HISTORY

Burtness Engineering Services, *Owner and Chief Engineer*

1984 to Present

Sandhu, Dennis & Assoc, P.C., *Senior Project Engineer*

1981 to 1984

Burtness Electrical Contracting, Inc., *President and Licensed Electrician*

1973 to 1981

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. Mr. Burtness specializes in illumination engineering for street, roadway and area lighting; including photometric requirements, calculations, field verification, equipment specifications, installation requirements, analysis, and construction disputes. In addition, Mr. Burtness is a seasoned public speaker.

THOMAS H. BURTNESS' ACTIVE PROFESSIONAL ENGINEERING LICENSES:

Illinois Licensed Professional Engineer, 1983, License No. 062.040946

Alabama Licensed Professional Engineer, License No. 35831

Connecticut Licensed Professional Engineer, License No. 32153

Indiana Licensed Professional Engineer, License No. PE11600219

Florida Licensed Professional Engineer, License No. 76442

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 York Licensed Professional Engineer, License No. 96955

Tennessee Licensed Professional Engineer, License No. 119899

Texas Licensed Professional Engineer, License No. 122891

Washington State Licensed Professional Engineer, License No. 50766

Wisconsin Licensed Professional Engineer, License No. 40389-006

PROFESSIONAL MEMBERSHIPS

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

National Council of Examiners for Engineering & Surveying

Institute of Electrical and Electronics Engineers – IEEE

National Fire Protection Association – NFPA

Eta Kappa Nu, Electrical Engineering Honors Society