

## Curriculum Vitae – Maximo M. Fuentes

Fuentes Consulting LLC  
T&D Utility Consultant and Expert Witness  
6323 Grant Ave  
Carmichael, CA 95608 USA  
W (877)204-6216  
M (916)505-7298  
Email: maximo.fuentes@comcast.net  
Email: powerlinexpert@icloud.com  
Web: www.fuentesconsultingllc.com



### Summary

Max Fuentes started his career in 1984 with the Sacramento Municipal Utility District. He currently provides consulting, training, developing procedures, litigation expertise, and Wildfire Mitigation consulting for the Transmission and Distribution Utility industry.

- Worked 31 years in the transmission and distribution electric power industry as a certified IBEW lineman, line foreman, retiring in 2015 as a Grid Assets Line Supervisor – Business Operations for the Sacramento Municipal Utility District.
- 18 years teaching and training high voltage electric power lineworkers in construction of overhead transmission and distribution power lines, as well as construction of underground distribution power lines.
- Expert at applying OSHA 1910.269, 1910.146 standards, CAL-OSHA Title 8, and General Orders 95, 128, 165, 166, 174, and the NESC.
- Expert at developing, writing, and implementing skills training for powerline workers for low to high-voltage industry practices, work methods and guidelines.
- Experience in developing and writing Hazard and Wildfire Mitigation Plans, for utilities and working as an independent third-party reviewer of plans.
- Development and delivery of leadership and professionalism workshops for utilities, contractors, and the IBEW.
- Pole Top, aerial bucket, and vault rescue training and certification for Qualified Electrical Workers.
- Creation and maintenance of line work methods and safety procedures.
- Experience staffing line crews, fault locators, and heavy equipment operators.
- Provides consulting and expertise to lawyers as an expert witness as it relates to the transmission and distribution electric utility industry.
  - ✦ Expert report writing.
  - ✦ Crafting declarations.
  - ✦ Experience in depositions and trials.
  - ✦ Expertise at applying rules, regulations, and policies as it applies to the transmission and distribution utility industry for lawyers.
  - ✦ Assisted lawyers in mediation process, writing and developing graphics and other duties.

# Curriculum Vitae – Maximo M. Fuentes

## Employment History

### Fuentes Consulting LLC – Owner 2015 - present

- Provide expertise for utilities developing work and safety procedures for all line construction tasks and maintenance.
- Review existing construction standards and recommend updates and revisions.
- Provide leadership and professionalism workshops for utilities and the IBEW Local 1245  
Develop, write, and review Wildfire Mitigation Plans, risk assessments and opinions and also act as an Independent Third Party for reviewing plans Recommend and training programs for new employees, develop apprenticeship programs for utilities.
- Consult on legal and regulatory standards as they relate to the Electric Power Industry, including line construction, work methods, work practices, high voltage linework training, and so forth.
- Compose detailed expert witness reports and declarations
- Research and gather information in the following areas:
  - ✦ NESC, FED-OSHA, CAL-OSHA (Title 8), General Orders 95, 128, 165 and 174, and other, state, and local rules and regulations
  - ✦ Field investigations
- Involvement in trials, depositions, and arbitrations
- Investigate and consult regarding accidents involving electrical utility systems:
  - ✦ Electrical Contacts
  - ✦ Injuries and property damage
  - ✦ Personal Protective Grounding
  - ✦ Electric utility work methods
  - ✦ MAD (Minimum Approach Distance) violations
  - ✦ Underground Cable Identification violations
  - ✦ Product Liability claims
  - ✦ Insurance claims
  - ✦ Pole Climbing Accidents
  - ✦ Electrical contacts and electrocutions
  - ✦ Electrical contact by telecommunications workers

### West Coast Utility Solutions - North Owner, 2015 - 2019

- Represent various manufacturers who provide tools, equipment, and other products for the high voltage utility industry.
- Territory includes Northern California, Western Nevada and Arizona.

### Sacramento Municipal Utility District Grid Assets Transmission & Distribution Line Supervisor – Business Operations 2002-2015 (retired)

- **SMUD Power Academy** - Developed the business case and plan for SMUD's power line technical training business.
- **Asset Management division** - Direct overhead and underground Line Maintenance crews
- Developed methods for and directed the maintenance of all SMUD's 69kV switches, distribution automated capacitor banks and reclosers.

November 14, 2025– Maximo M. Fuentes

*This document is not a retention agreement, a retention agreement is always required in order to be retained.*

## **Curriculum Vitae – Maximo M. Fuentes**

Supervised business units within transmission & distribution services, meter and service, timekeeping, safety and training and crew scheduling.

Maintained emergency on-call schedule for entire Line department and provided input on employee leadership and development plans and reports.

- Managed, led, and assisted Grid Assets T&D Engineering in the development of work procedures for the entire Grid Assets T&D Line Department.
- Managed G.O. 165 implementation and maintenance work.
- Managed line crews in completion of asset management work.
- Developed line and system operations distribution automation procedures for smart grid implementation.
- Prepared budgets and provided forecasting for business units.
- Directed field forces and administrative personnel.
- Developed pole climbing, rigging, Personal Protective Grounding, and transformer training manuals and curriculum.
- Designed a portfolio of classes for pole climbing, live-line work, rigging, high voltage line equipment and other T&D crafts related skills development.
- Developed and implemented apprentice crew training curriculum and scheduling.
- Served as lead developer of DS Line work procedures, including development, implementation, and distribution.
- Managed subject matter experts and gathered their input for procedural development.
- As a Maintenance Planner, I field checked jobs prior to releasing for field crews to perform work, worked with local agencies on permitting, arranged clearances on circuits and worked with line foremen on pre-job planning.
- As a Line Inspector, oversaw work performed by contractors installing and maintaining overhead and underground infrastructure.
- Performed all Journeyman Lineman tasks in the field.

### **Frontline Training – Technical Vocational Training -President 2000-2001**

- Developed business plan and financials for the development of training for telecommunications crafts workers.

### **Trade Tech – Technical Vocational Training -President 1999-2000**

- Managed all aspects of day-to-day operations as multi-site owner.
- Performed all aspects of business planning, forecasting, budgeting and marketing of business.
- Developed written curriculum for crafts training including, pole climbing, rigging, basic electrical theory, transformer training, and so forth.

Managed finances: accounts payable/receivable, invoicing, insurance billing, and budgeting  
Accredited by the Department of Consumer Affairs as an instructor and administrator of a post-secondary vocational school for the State of California.

## **Curriculum Vitae – Maximo M. Fuentes**

### **Northwest Linemans College - Vice-President 1997-1998**

- Managed day-to-day field training operations.
- Taught field and academic courses.
- Assisted in development of budget.

### **H&H Utility contractors - Lineman 1996-1997**

- Performed duties as a high voltage lineman.

### **Sacramento Municipal Utility District - Line foreman 1990-1996**

- Directed a 4-man line crew that installed and maintained the district's overhead and underground transmission, sub-transmission, and distribution power line infrastructure
- Responded to emergency outage restoration calls.
- Taught after hours' apprentice lineman night school:
  - ✦ Basic electricity
  - ✦ Transformer theory and applications
  - ✦ Design construction standards
  - ✦ Rigging
  - ✦ Design construction standards
  - ✦ General Orders 95 and 128
  - ✦ Map reading
  - ✦ Communications
  - ✦ Clearance and Authorizations
  - ✦ Safety procedures
  - ✦ Line work procedures
  - ✦ Basic math
  - ✦ Field application scenarios
  - ✦ High-voltage equipment and devices
  - ✦ High and low-voltage meters
- Provided training at SMUD's skills training facility for apprentice and pre apprentice linemen to include:
  - ✦ Pole climbing
  - ✦ Framing and setting poles
  - ✦ Live-line work, rubber glove and hot sticks
  - ✦ Transformer connections
  - ✦ Rigging
  - ✦ Field application scenarios
  - ✦ High-voltage equipment and devices
  - ✦ Terminating, splicing, and fabricating medium voltage underground cable
- Performed wire stringing operations, as well as transmission work and tower and steel pole erection

November 14, 2025– Maximo M. Fuentes

*This document is not a retention agreement, a retention agreement is always required in order to be retained.*

## Curriculum Vitae – Maximo M. Fuentes

### Sacramento Municipal Utility District - Lineman 1984-1990

- Construct, install and maintain utility's electric power grid infrastructure\
- Performed all facets of construction for overhead and underground electric system
- Completed SMUD's 4-year IBEW-certified line apprenticeship program
- Performed essential job functions:
  - ✦ Climbing and working on wood and steel structures from 35' to 200'
  - ✦ Utilized aerial lift equipment
  - ✦ Installed and maintained utility's transmission and distribution electric power infrastructure
  - ✦ Performed overhead wire stringing operations and underground cable pulling
  - ✦ Dead-ended and clipped-in overhead power lines
  - ✦ Fabricated terminations, elbows, and splices in underground equipment
- **Accolades:**
  - ✦ 3x International Lineman's Rodeo Municipal Champions
  - ✦ 2x International Lineman's Rodeo Top Contractor Champions
  - ✦ Multiple International Championships in Rubber Gloving and Hot Stick events.
  - ✦ 2x International Champion Pole Top Rescue

## Curriculum Vitae – Maximo M. Fuentes

### Associations

- Panel of Experts (International Linemans Rodeo 2019)

### Presentations, Publications, and Videos

1. Incident Prevention Safety Conference and Expo. Oct. 30, 2025. Beyond compliance: “The Truth about Safety in the Workplace.”
2. Power Magazine - The other side of safety - Litigation and the Expert Witness., October 10, 2024, <https://www.powermag.com/the-other-side-of-safety-litigation-and-the-expert-witness/>
3. Presenter at the International Linemans Rodeo Safety Conference October 2023- “Personal Protective Grounding for Linemen.”
4. Closeup Talk Radio, April 28, 2022, Spotlights Maximo “Max” Fuentes of Fuentes Consulting LLC <https://www.blogtalkradio.com/closeupradio/2022/04/28/close-up-radio-spotlights-maximo-max-fuentes-of-fuentes-consulting-llc>
5. T&D World – A New Look at Hurtman Rescue Training, April 22, 2022. <https://www.tdworld.com/electric-utility-operations/safety/article/21237764/a-new-look-at-hurtman-rescue-training>
6. T&D World – Certifying Qualified Workers, March 2021 [https://secure.viewer.zmags.com/publication/c81ca238?utm\\_source=TW+TDW+Digital+Edition&utm\\_medium=email&utm\\_campaign=CPS210211068&o\\_eid=5932E5592789F7J&rdx.ident%5Bpull%5D=omeda%7C5932E5592789F7J#/c81ca238/48](https://secure.viewer.zmags.com/publication/c81ca238?utm_source=TW+TDW+Digital+Edition&utm_medium=email&utm_campaign=CPS210211068&o_eid=5932E5592789F7J&rdx.ident%5Bpull%5D=omeda%7C5932E5592789F7J#/c81ca238/48)
7. “Leadership for Frontline Supervisors” 2020: [https://fuentesconsultingllc.com/?post\\_type=product](https://fuentesconsultingllc.com/?post_type=product)
8. “Weduction Wednesday, <https://tdworld.com/21144383>
9. Online – course: De-energizing and Grounding Transmission & Distribution Lines for Worker Protection”: [https://fuentesconsultingllc.com/?page\\_id=345](https://fuentesconsultingllc.com/?page_id=345)
10. “De-energizing and Grounding Transmission & Distribution Lines for Worker Protection” 2020: [https://fuentesconsultingllc.com/?post\\_type=product](https://fuentesconsultingllc.com/?post_type=product)
11. T&D World Leadership for Lineworkers March 4, 2020: <https://www.tdworld.com/careers/article/21125337/leadership-for-lineworkers-part-7-tailboards>
12. T&D World Leadership for Lineworkers February 19, 2020: <https://www.tdworld.com/careers/article/21123348/leadership-for-lineworkers-part-6-accident-investigations>
13. T&D World Leadership for Lineworkers February 05, 2020: <https://www.tdworld.com/careers/article/21122312/leadership-for-lineworkers-part-5-know-the-rules>
14. T&D World Leadership for Lineworkers January 14, 2020 <https://www.tdworld.com/careers/article/21120475/leadership-for-lineworkers-part-4-succession-planning>
15. T&D World Leadership for Lineworkers December 27, 2019: <https://www.tdworld.com/careers/article/21119319/leadership-for-lineworkers-part-3-crew-visits>

## Curriculum Vitae – Maximo M. Fuentes

16. T&D World Leadership for Lineworkers December 17, 2019:  
<https://www.tdworld.com/careers/article/21118707/leadership-for-lineworkers-part-2-performance-evaluations>
17. T&D World Leadership for Lineworkers December 3, 2019:  
<https://www.tdworld.com/careers/article/20973456/leadership-for-linemen-part-1>
18. Incident Prevention Utility Safety Conference and Expo November 19-21, 2019, Presentation:  
*Bridging the Gap: Embedding safety into your training.*
19. October 16<sup>th</sup>, 2019; Member of Panel of Experts at the International Linemans Rodeo Safety Conference. Topic: Storm Restoration.
20. “Vault Entry Safety Procedures and Requirements.” September 25<sup>th</sup>, 2019; Presentation at Western Underground Conference.
21. September 25<sup>th</sup>, 2019 was the keynote speaker at the Western Underground Conference in Burbank, CA addressing Wildfire Mitigation Plans at the Opening Breakfast sponsored by KADDAS
22. “Writing Utility safety and Work Procedures”; April 15, 2019, <https://incidentprevention.com/ip-articles/tailgate-safety-topics>
23. “Crafting Local Hazard and Wildfire Mitigation Plans”; T&D World Magazine - March 2019
24. “Best Practices for Writing Safety Procedures”; <https://www.tdworld.com/safety-andtraining/best-practices-writing-safety-procedures>. August 2018
25. “Leadership on the Ground – Essential Leadership Skills for Frontline Supervisors”; November 2018, Idaho Power.
26. “The Great Divide”; Sept 2018; <https://www.linkedin.com/pulse/great-divide-maxfuentes/>
27. “Leadership on the Ground – How to create a Professional Standard”; Hold the Pull Summit, IBEW Local 1245 June 2018.
28. “Discipline in the Workplace”; April 2018, <https://www.linkedin.com/pulse/disciplineworkplace-max-fuentes/>
29. “Training Overcomes Expectations”; March 2018, <https://www.linkedin.com/pulse/training-overcomes-expectations-max-fuentes/>
30. “Protecting workers with personal grounds”; T&D World Magazine April 2018
31. ‘The Costs of Safety’; Oct. 2017, <https://www.linkedin.com/pulse/costs-safety-maxfuentes/>
32. “An Industry Trend”; Oct. 2017, <https://www.linkedin.com/pulse/industry-trend-maxfuentes/>
33. “Utilities, It’s Time to train on Free Climbing”; Sept. 2017.  
<https://www.linkedin.com/pulse/utilities-its-time-train-crews-free-climbing-maxfuentes/>
34. “Natural Disasters – Power Restoration”; Sept. 2017, <https://www.linkedin.com/pulse/natural-disasters-power-restoration-max-fuentes/>
35. “Essential Leadership Skills for Powerline Foremen and Frontline Supervisors”; 2016 Incident Prevention Conference.  
<https://vimeo.com/user26980063/review/169283116/36c0ea93a9>
36. “Essential Leadership Skills for Powerline Foremen and Frontline Supervisors”; April 2016, City of College Station, Texas.

## Curriculum Vitae – Maximo M. Fuentes

37. “*Succession Planning*”; TDMM conference 2015. Vancouver British Columbia.
38. “*We Want You to Be a Lineworker*”; From the March-April 2015 issue (Vol. 73, No. 2) of *Public Power* Originally published March 10, 2015. YouTube - <https://youtu.be/vpZabjTuMs4>
39. Presentation – “Organizational and Cultural Change”; “*Utility Managers Confront Challenges and Share Strategies at 2014 TDMM Conference*” *T&D World Magazine*, Oct 7, 2014.
40. “*Six Keys to Recruiting and Retaining Lineworkers*”; *T&D World Magazine*, Sept. 1, 2014.
41. “*SMUD Trains Linemen of the Next Generation*”; *T&D World Magazine*, Jul 28, 2014
42. “*Essential Leadership Skills for Line Foremen*”; 2013
43. “*How to Bulletproof your Training*”; April 2008, Incident Prevention Magazine
44. “*The Complete Guide to Pole Climbing*”; 2006

### Clients

- City of Cerritos CA
- City of College Station Texas Utility
- City of Colton
- City of Lompoc, CA
- City of Pasadena Water and Power
- City of Riverside
- DBSI
- Henkels and McCoy
- Hot Line Construction
- IBEW 1245
- Idaho Power
- Imperial Irrigation District
- Island Energy
- Liberty Utilities (California, Missouri, and New Hampshire offices)
- Parkia inc.
- Truckee Donner Public Utility District
- WAPA – Western Area Power Administration
- Wilson Consulting (Lodi Electric Utility)

### Education

- University of Phoenix–Sacramento, CA 2003 - 2005  
Bachelor of Science-Business Management
- California State University Sacramento–Sacramento, CA 1980 - 1981
- American River Community College–Sacramento, CA 1978 - 1980

### Certifications

- IBEW Journeyman Lineman
- Certified by BST (Behavior Science Technology) as a Behavior-based safety observer and steering committee facilitator.
- Certified High School athletic coach State of California – Softball, football, and wrestling.

## **Curriculum Vitae – Maximo M. Fuentes**

### **Other Interests**

- Marital Arts - Kenpo Karate, Boxing, Kickboxing, Filipino (Escrima), Brazilian Jiu Jitsu, and Wrestling