



**C.A.C. INDUSTRIES, INC.**

54-08 Vernon Blvd  
Long Island City, NY 11101

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[www.cacindinc.com](http://www.cacindinc.com)

Via E-Mail & Certified Mail

Return Receipt Requested

Local 15 Operating Engineers  
44-40 11<sup>th</sup> Street  
Queens, NY 11101

January 29<sup>th</sup>, 2024

Attn: Andrew Cullimore  
Business Agent

Re: MTA Second Avenue Utility Relocation

Subj: *Local Hiring*

Dear Mr. Cullimore,

We are reaching out to request assistance in identifying skilled workers with specific certifications(attached) residing in the attached zip codes.

We are particularly interested in individuals holding OSHA 30 cards and the Con Edison certification required for work on Con Edison facilities.

Your support in connecting us with qualified individuals possessing these certifications would be greatly appreciated. Please find the attached details outlining the specific requirements.

Thank you for your attention to this matter, and we look forward to your prompt assistance.

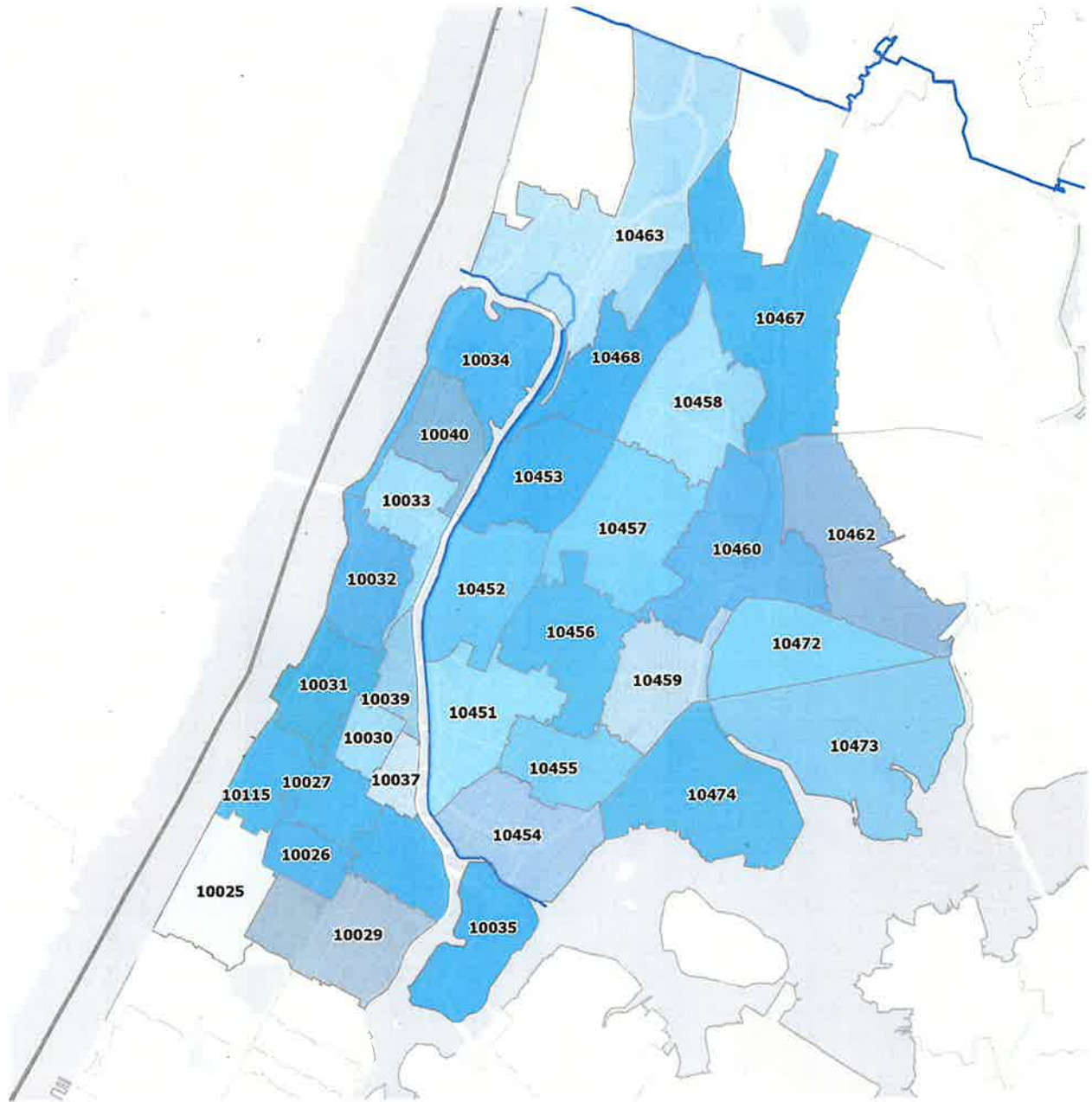
Sincerely,  
C.A.C. Industries, Inc.

  
Michael A. Capasso  
President

Cc: MTA Construction & Development  
Cathy Li, Deputy Chief of Staff

Att.

*"An Equal Opportunity Employer"*  
BIC#2789



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**Bare Minimum Requirements to Work for Con-Ed:**

**Laborer:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video

**Operator:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video
- CT 70 & CT 71

**Foremen:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video
- CPR / First Aid
- Certificate of Fitness (F60, G60 & G40)
- Confined Space Certificate
- CT 70 & CT 71

**Live Gas Mechanic:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video
- CPR / First Aid
- Certificate of Fitness (F60, G60 & G40)
- Confined Space Certificate
- Valid Fit Test
- Various NGA & Con-Ed Tests

**Dead Condition Mechanic:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video
- CPR / First Aid

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- Certificate of Fitness (F60, G60 & G40)
- Confined Space Certificate
- Various NGA & Con-Ed Tests

**API Gas Welder:**

- Valid OSHA 10 Hour or 30 Hour
- Passed Drug Test
- NY 811 Excavation Training Certificate
- CAC On-Boarding Video
- CPR / First Aid
- Certificate of Fitness (F60, G60 & G40)
- Various NGA & Con-Ed Tests

**Additional Testing and Training:**

**Con Edison Contractor - CM Laborer – Hyb - 2024**

Website: <https://learn.its-training.com/>

**Required NGA Written Exams:**

1. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
2. NGA-WE-70B-Properties of Natural Gas
  - Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions
3. NGA-WE-71-Operator Excavating and Backfilling in the Vicinity of a Pipeline (Critical AOC)
  - Initial Training-CE71-Con Edison Operator Excavating and Backfilling in the Vicinity of a Pipeline

**Study Courses (Online):**

1. NGA-WE-CT70 – COURSE – Properties of Natural Gas and Abnormal Operating Conditions
2. NGA-WE-CT71 – COURSE – Excavation and Backfill

**Required Laborer DOJT's:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. EOP-5324 Rev 3 - CCM2003 - Guidelines for Digging Around Elec. Facil. During System Emergencies
3. G-11848-2 - GAS0495 - Emergency Communication - Employee Down (4th Qtr Bundle 2023) Effective 11/13/23
4. G-11889-1 GAS6039 Requirements Associated with Design and Excavation Activities Within the Area of Influence of Gas Regulator Stations (Effective 9/12/22)
5. G-8194-6 - GAS0158 - Street Opening Color Coding, Permit Signs at Worksite and Pavement Restoration Markers (Bundle 1 - 2023)
6. GAS0526 - Gas Rules We Live By eff. 12/13/17
7. SAF4993 - Calling a Time Out

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**Con Edison Contractor – Laborer Plus Role – Hyb - 2023**

Website: <https://learn.its-training.com/>

**Required NGA Written Exams:**

1. NGA-WE-11/12/17A-Pipe Coatings (General Knowledge)
2. NGA-WE-23/24-Inspecting the Condition of Exposed Pipe (Critical AOC)
  - Initial Training-CE23/24- Con Edison Inspecting the Condition of Exposed Pipe
3. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
4. NGA-WE-70B-Properties of Natural Gas
  - a. Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions
3. NGA-WE-71-Operator Excavating and Backfilling in the Vicinity of a Pipeline (Critical AOC)
  - Initial Training-CE71-Con Edison Operator Excavating and Backfilling in the Vicinity of a Pipeline

**Required NGA Hands on Exams:**

1. NGA-PE-11/12/17E-Pipe Coatings (Mastic)
  - Initial Training-CE11/12/17E-Con Edison Pipe Coatings (Mastic)
2. NGA-PE-11/12/17F-Pipe Coatings (Cold Applied Tape)
  - Initial Training-CE11/12/17F-Con Edison Pipe Coatings (Cold Applied Tape)
3. NGA-PE-11/12/17H-Pipe Coatings (Single Coating System Paint)
  - Initial Training-CE11/12/17H-Con Edison Pipe Coatings (Outside Paint)
4. NGA-PE-11/12/17J-Electrical Coating Holiday Detection (Jeeping)
  - Initial Training-CE11J/12J/17J-Con Edison Electrical Coating Holiday Detection (Jeeping)

**Required Con-Ed Hands on Exams:**

1. CE-PE-CE14&CE16-EVALUATION-Installing and Replacing an Anode, Installing a Corrosion Test Station and a Thermit Weld/Mechanical Connection onto a Pipeline
  - Initial Training-CE14-Con Edison Installing/Replacing an Anode on a Pipeline by Exothermic Welding and Mechanical Connection
  - Initial Training-CE16A-Con Edison Installing/Replacing a Corrosion Test Station on a Pipeline by Exothermic Welding and Mechanical Connection
2. CE-PE-CE40-EVALUATION-Con Edison Installing / Replacing Tracer Wire
  - Initial Training-CE40-Con Edison Installing / Replacing Tracer Wire

**Required DOJTs:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. EOP-5324 Rev 3 - CCM2003 - Guidelines for Digging Around Elec. Facil. During System Emergencies
3. G-11830-21 - GAS0335 - Corrosion Testing on Buried Steel Gas Mains and Services (Bundle 4 - 2022) eff. 11/18/22
4. G-11848-1 - GAS0495 - Emergency Communication - Employee Down
5. G-11889-1 GAS6039 Requirements Associated with Design and Excavation Activities Within the Area of Influence of Gas Regulator Stations (Effective 9/12/22)

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6. G-8005-31 - GAS0073 - General Specification for the Installation of Gas Distribution Mains (Bundle 3 - 2022) eff. 8/12/22
7. G-8194-6 - GAS0158 - Street Opening Color Coding, Permit Signs at Worksite and Pavement Restoration Markers (Bundle 1 - 2023)
8. G-8205-14 - GAS0282 - Corrosion Control of Buried Steel Gas Mains and Services (Bundle 4 - 2021) eff. 11/8/21
9. G-8209-6 - GAS0351 - Field Coating of Steel Pipe and Fittings Installed Underground and in Subsurface Structures (Bundle 4 - 2019) eff. 11/12/19
10. G8201 - GAS0604 - Electrical Spark Inspection of Coating on Steel Pipe
11. GAS0526 - Gas Rules We Live By eff. 12/13/17
12. SAF4993 - Calling a Time Out

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**Con Edison Contractor - CM Backhoe Operator – Hyb - 2024**

Website: <https://learn.its-training.com/>

**Required NGA Written Exams:**

1. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
2. NGA-WE-70B-Properties of Natural Gas
  - a. Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions
3. NGA-WE-71-Operator Excavating and Backfilling in the Vicinity of a Pipeline (Critical AOC)
  - Initial Training-CE71-Con Edison Operator Excavating and Backfilling in the Vicinity of a Pipeline

**Required Operator DOJT's:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. EOP-5324 Rev 3 - CCM2003 - Guidelines for Digging Around Elec. Facil. During System Emergencies
3. G-11848-1 - GAS0495 - Emergency Communication - Employee Down
4. G-11889-1 GAS6039 Requirements Associated with Design and Excavation Activities Within the Area of Influence of Gas Regulator Stations (Effective 9/12/22)
5. G-8194-6 - GAS0158 - Street Opening Color Coding, Permit Signs at Worksite and Pavement Restoration Markers (Bundle 1 - 2023)
6. GAS0526 - Gas Rules We Live By eff. 12/13/17
7. SAF4993 - Calling a Time Out



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**Required Exams – Con Edison Contractor - API Gas Welder – Hyb - 2024**

Website: <https://learn.its-training.com/>

**NGA Written Exams:**

1. NGA-WE-23/24-Inspecting the Condition of Exposed Pipe (Critical AOC)
  - a. Initial Training-CE23/24- Con Edison Inspecting the Condition of Exposed Pipe
2. NGA-WE-44/54-Welding on a Pipeline (Critical AOC)
  - a. Initial Training-CE44/54-Con Edison Welding on a Pipeline
3. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
4. NGA-WE-70B-Properties of Natural Gas
  - a. Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions

**Required DOJTS:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. Drawing EO-17130-4 - Dresser Style 220 Repair Sleeve for Installation over Mech. Couplings
3. Drawing EO-17131-3 - Dresser Style 220 Repair Sleeve for Installation over Reinforced Mech. Couplings
4. Drawing EO-17132-3 - Dresser Style 220 Repair Sleeve Special 24" O.D. 3/8 x34" I.D.
5. Drawing EO-17133-3 - Dresser Style 220 Repair Sleeve for Over Joint Harness Assembly
6. Drawing EO-5261-C - High Hats for Plugs and Nipples on 6" to 36" Diameter Steel Gas Mains
7. Drawing EO-9911-D - Welding Procedure for High Pressure Fittings
8. G-1064-23 - GAS0588 Welding Procedure Spec for Shielded Metal Arc Welding of Steel Pipe and Fittings (Bundle 3 - 2021) eff. 8/12/21
9. G-1065-25 - GAS0589 - Qualification of Welders and Welding Procedures
10. G-1066-11 - GAS0592 - Qualification of Nondestructive testing (NDT) Personnel and Nondestructive Testing Procedures
11. G-1070-17 - GAS0590 - Radiographic Inspection of Pipeline Welds
12. G-11870-3 - GAS0428 - Integrity Assessment and Repair of Steel Gas Transmission Pipelines Operating at 125 PSIG or More (Bundle 3 - 2021) eff. 8/12/21
13. G-8005-31 - GAS0073 - General Specification for the Installation of Gas Distribution Mains (Bundle 3 - 2022) eff. 8/12/22
14. G-8100-18 - GAS0119 General Specification for the Installation of Gas Distribution Services (Bundle 4 - 2021) eff. 11/8/21
15. G-8153-10 - GAS0159 - Reinforcing Non-Restraining Compression Fittings (Bundle 3 - 2021) eff. 8/12/21
16. G-8211-2 - GAS0324 - Procedure For Welding on the Fuel Oil Line in the Ravenswood Tunnel
17. G-8223-1 - GAS0583 - General Specification for the Installation of Gas Transmission Pipelines (Bundle 2 - 2020) eff. 5/15/20
18. GAS0526 - Gas Rules We Live By eff. 12/13/17
19. IP-7-16 - GAS0213 Cut-Outs and Tie-Ins of Existing Gas Mains (Bundle 3 - 2022) eff. 8/12/22
20. SAF4993 - Calling a Time Out

**CM Dead Condition Role – Hyb – Required Exams and Training – 2024**

Website: <https://learn.its-training.com/>

**Required NGA Written Exams**

1. NGA-WE-08-Visually Inspecting for Internal Corrosion (Critical AOC)
  - a. Initial Training-CE08-Con Edison Visually Inspecting for Internal Corrosion
2. NGA-WE-22A-Inspecting 3rd Party Excavations for Damage Prevention, Including Root Cause Analysis (Critical AOC)
  - a. Initial Training-CE22-Con Edison Inspecting Excavations for Damage Prevention
3. NGA-WE-23/24-Inspecting the Condition of Exposed Pipe (Critical AOC)
  - a. Initial Training-CE23/24- Con Edison Inspecting the Condition of Exposed Pipe
4. NGA-WE-31A-Installation of Pipe: Storage, Handling, and Inspection of Pipe: General Knowledge (Critical AOC)
5. NGA-WE-34A-Performing a Pressure Test with Air
6. NGA-WE-41/42-Inspecting, Operating, and Maintaining Distribution Valves
7. NGA-WE-50/51/52A-Joining Plastic Pipe: General Knowledge
8. NGA-WE-50/51/52C-Electrofusion
9. NGA-WE-50/52D-Hydraulic Butt Fusion
10. NGA-WE-50/52E-Butt Fusion Fundamentals
11. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
12. NGA-WE-70B-Properties of Natural Gas
  - a. Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions
13. NGA-WE-71-Operator Excavating and Backfilling in the Vicinity of a Pipeline (Critical AOC)
  - a. Initial Training-CE71-Con Edison Operator Excavating and Backfilling in the Vicinity of a Pipeline
  - b. Off Gas Meters and Regulators (Limited to Class ### and under)
14. NGA-WE-85A-Meter Assembly Abnormal Operating Conditions (Critical AOC)
15. NGA-WE-85B-Meter Assembly Fundamentals and Substandard Conditions
  - a. Initial Training-CE85-Con Edison Meter Assembly Abnormal Operating Conditions

**Required NGA Hands on Exams**

1. NGA-PE-31B-Installation of Pipe: Installing Pipe in a Ditch
  - a. Initial Training-CE31B-Con Edison Installation of Pipe - Installing Pipe in a Ditch
2. NGA-PE-31D-Installation of Pipe: Installing Pipe by Horizontal Boring (Piercing Tools)
  - a. Initial Training-CE31D-Con Edison Installation of Pipe - Horizontal Boring
3. NGA-PE-31E-Installation of Pipe: Installing Pipe by Dead Insertion
  - a. Initial Training-CE31E-Con Edison Installation of Pipe - Dead Insertion
4. NGA-PE-31G-Installation of Pipe: Installing Service Line Point of Entry Seal for Below Grade Foundation/Wall Penetration
  - a. Initial Training-CE31G-Con Edison Install and Inspect a Below Grade Service Line Point of Entry

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5. NGA-PE-34A-Performing a Pressure Test with Air
  - a. Initial Training-CE34A-Con Edison Performing a Pressure Test - Distribution Piping
6. NGA-PE-41/42A-Inspecting, Operating, and Maintaining Distribution Valves (Including Lubrication)
  - a. Initial Training-CE41/42-Con Edison Inspecting and Operating a Distribution Valve
7. NGA-PE-50/51/52C.1-Saddle Electrofusion
  - a. Initial Training-CE50C.1-Con Edison Plastic Pipe Joining - Saddle Electrofusion
8. NGA-PE-50/52C.2-Coupling Electrofusion
  - a. Initial Training-CE50C.2-Con Edison Plastic Pipe Joining - Coupling Electrofusion
9. NGA-PE-50/52D.1-Hydraulic Fusion (Power-Driven)
  - a. Initial Training-CE50D-Plastic Pipe Joining - Hydraulic Butt Fusion
10. NGA-PE-50/52E.1-Manual Butt Fusion (Coil-to-Coil)
  - a. Initial Training-CE50E-Plastic Pipe Joining - Manual Butt Fusion
11. NGA-PE-50H-Joining Plastic Pipe-Nut Follower
  - a. Initial Training-CE50H-Plastic Pipe Joining - Mechanical Nut Follower
12. NGA-PE-50I-Joining Plastic Pipe-Bolted Fitting
  - a. Initial Training-CE50I.1-Plastic Pipe Joining - Mechanical Bolted
13. NGA-PE-50J.3-Joining Plastic Pipe-Compression (Metfit - Manual)
  - a. Initial Training-CE50J.3&J.4-Plastic Pipe Joining - Metfit (Mechanical Compression)
14. NGA-PE-50J.4-Joining Plastic Pipe-Compression (Metfit - Hydraulic)
  - a. Initial Training-CE50J.3&J.4-Plastic Pipe Joining - Metfit (Mechanical Compression)
15. NGA-PE-50K.1-Joining Plastic Pipe-Compression (Service Head Adapter - Separate Stiffener)
  - a. Initial Training-CE50K-Plastic Pipe Joining - Service Head Adapter
16. NGA-PE-50K.2-Joining Plastic Pipe-Compression (Service Head Adapter - Integral Stiffener)
  - a. Initial Training-CE50K-Plastic Pipe Joining - Service Head Adapter

**Required Con-Ed Hands on Exams:**

1. CE-PE-CE40-EVALUATION-Con Edison Installing / Replacing Tracer Wire
  - a. Initial Training-CE40-Con Edison Installing / Replacing Tracer Wire
- CE-PE-CE50-EVALUATION-Re-rounding for 16" Electro Fuse Coupling
  - b. Initial Training-CE50-Con Edison 16" Electrofuse Coupling

**Required DOJTS:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. EOP-5324 Rev 3 - CCM2003 - Guidelines for Digging Around Elec. Facil. During System Emergencies
3. G-11811-14 - GAS0285 - Tagging Gas Valves (Bundle 2 - 2019) eff. 5/13/19

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4. G-11816-16 - GAS6030 - Creating, Updating and Maintaining Gas Valve Records (Bundle 2 - 2019) eff. 5/13/19
5. G-11848-2 - GAS0495 - Emergency Communication - Employee Down (4th Qtr Bundle 2023) Effective 11/13/23
6. G-11861-7 - GAS0058 - Procedure for the Inspection, Maintenance and Operation of Gas Measurement Instruments (Bundle 3 - 2019) eff. 8/14/19
7. G-11863-12 - GAS0413 - Inspection and Assessment Requirements Associated with Excavation Activities Near Gas Pipelines and Other Hazardous Conditions, for Pipelines Operating at 125 PSIG and Above (Bundle 3 - 2021) eff. 8/12/21
8. G-11880-0 - GAS6031 - Material and Equipment-Related Failure Investigation
9. G-11889-1 GAS6039 Requirements Associated with Design and Excavation Activities Within the Area of Influence of Gas Regulator Stations (Effective 9/12/22)
10. G-709-2a - GAS0598 / GAS6063 - Natural Gas Detector Installation (Bundle 4 - 2020) Eff. 11/9/20
11. G-8005-31 - GAS0073 - General Specification for the Installation of Gas Distribution Mains (Bundle 3 - 2022) eff. 8/12/22
12. G-8096-10 - GAS0111 - Sealing the Annular Space Between a Gas Pipe and a Wall, Casing Pipe, or Sleeve
13. G-8100-18 - GAS0119 General Specification for the Installation of Gas Distribution Services (Bundle 4 - 2021) eff. 11/8/21
14. G-8121-19 - GAS0268 - Qualification of Joiners of Polyethylene Plastic Pipe/Tubing for Gas Mains and Services (Bundle 1 2023)
15. G-8122-13 - GAS0343 - Inspection, Handling, Storage, and Transportation of Polyethylene (PE) Plastic Pipe, Tubing, and Fittings for Gas Mains and Services (Bundle 4 2022) eff. 11/18/22
16. G-8123-21 - GAS0452 Heat Fusion Joining of Polyethylene (PE) Plastic Pipe/Tubing and Fittings for Gas Mains and Services (Bundle 1 -2023)
17. G-8141-7 - GAS5004 Installation and Abandonment of Valves on Gas Distribution Mains (Bundle 3 - 2023) eff. 8/18/23
18. G-8194-6 - GAS0158 - Street Opening Color Coding, Permit Signs at Worksite and Pavement Restoration Markers (Bundle 1 - 2023)
19. G-8204-10 - GAS0219 - Pressure Testing Requirements For Gas Mains and Services (Bundle 4 - 2021) eff. 11/8/21
20. G-8230-0 - GAS4110 - General Requirements for Gas Meter Relocations
21. GAS0384 – Proper Gas Mapping Information eff. 6/17/22
22. GAS0399 - Testing Gas Mains or Services for Dead or Alive (Bundle 4 - 2020) Eff. 11/9/20
23. GAS0526 - Gas Rules We Live By eff. 12/13/17
24. GAS4126 - PE Fusion Bead Removal (4th Qtr Bundle 2023) Effective 11/13/23
25. GAS6006 - Documenting PE Plastic Gas Joints (Bundle 3 - 2023) eff. 8/18/23
26. GAS6020 - Visual Inspection of Exposed PE Plastic Fuses (Bundle 3 - 2023) eff. 8/18/23
27. GAS6042- Hold Points for Gas Construction Work (Revision 10/26/22)
28. IP-20-10 - GAS0099 - Installation of Mechanical Fittings for Polyethylene (PE) Plastic Pipe and Tubing (Bundle 1 - 2020) eff. 2/7/20
29. IP-27-12 - GAS0173 - Installation of Electrofusion Fittings on Polyethylene (PE) Plastic Pipe/Tubing and Molded Fittings Using a Universal Electrofusion Processor (Bundle 3 - 2023) eff. 8/18/23
30. IP-42-8 - GAS0089 - Requirements For Airline Respirator (Alr), Flame Retardant Coveralls (Frc), Harness & Line (H/L), Harness & Gantry (H/G) And Continuous Atmospheric Monitoring (Cam)
31. SAF4993 - Calling a Time Out

Updated: 1/13/24 - JW

## **CM Live Gas Role – Hyb – Required Exams and Training – 2024**

Website: <https://learn.its-training.com/>

### **Required NGA Written Exams**

1. NGA-WE-06-Inspecting for Atmospheric Corrosion
  - a. Initial Training-CE06A-Con Edison Inspecting for Atmospheric Corrosion, Including Measurement of Wall Loss
2. NGA-WE-08-Visually Inspecting for Internal Corrosion (Critical AOC)
  - a. Initial Training-CE08-Con Edison Visually Inspecting for Internal Corrosion
3. NGA-WE-11/12/17A-Pipe Coatings (General Knowledge)
4. NGA-WE-22A-Inspecting 3rd Party Excavations for Damage Prevention, Including Root Cause Analysis (Critical AOC)
  - a. Initial Training-CE22-Con Edison Inspecting Excavations for Damage Prevention
5. NGA-WE-23/24-Inspecting the Condition of Exposed Pipe (Critical AOC)
  - a. Initial Training-CE23/24- Con Edison Inspecting the Condition of Exposed Pipe
6. NGA-WE-29/30A-Repairing a Plastic, Steel, and Cast Iron Distribution Pipe (General Knowledge)
7. NGA-WE-31A-Installation of Pipe: Storage, Handling, and Inspection of Pipe: General Knowledge (Critical AOC)
8. NGA-WE-32/33-Purging a Pipeline Into and Out of Service
9. NGA-WE-34A-Performing a Pressure Test with Ai
10. NGA-WE-35.1B- Stopping Gas Flow (Squeeze-Off - Mains & Services)
11. NGA-WE-35.2/35.3- Stopping Gas Flow (Bagging, Valves and Mechanical Only)
12. NGA-WE-36/47-Abandonment of Facilities (Critical AOC)
  - a. Initial Training-CE36/47-Con Edison Abandonment of Facilities
13. NGA-WE-39A-Removing a Service Tee or Fitting from Steel and Cast Iron Pipe
14. NGA-WE-41/42-Inspecting, Operating, and Maintaining Distribution Valves
15. NGA-WE-50/51/52A-Joining Plastic Pipe: General Knowledge
16. NGA-WE-50/51/52C-Electrofusion
17. NGA-WE-50/52D-Hydraulic Butt Fusion
18. NGA-WE-50/52E-Butt Fusion Fundamentals
19. NGA-WE-51E-Tapping Using Self-Tapping Tees (Plastic Only)
20. NGA-WE-70A-Basic Abnormal Operating Conditions (Critical AOC)
21. NGA-WE-70B-Properties of Natural Gas
  - a. Initial Training-CE70-Con Edison Properties of Natural Gas and Abnormal Operating Conditions
22. NGA-WE-71-Operator Excavating and Backfilling in the Vicinity of a Pipeline (Critical AOC)
  - a. Initial Training-CE71-Con Edison Operator Excavating and Backfilling in the Vicinity of a Pipeline
23. NGA-WE-72B.1-Installing and Turning Off Residential and Small Commercial Meters (Including Regulators)
  - a. Initial Training-CE72B-Con Edison Installing and Turning Off Gas Meters and Regulators (Limited to Class ### and under)
24. NGA-WE-85A-Meter Assembly Abnormal Operating Conditions (Critical AOC)
  - a. Initial Training-CE85-Con Edison Meter Assembly Abnormal Operating Conditions
25. NGA-WE-85B-Meter Assembly Fundamentals and Substandard Conditions

**Required Con-Ed Written Exams**

1. CE-WE-CECGI-EXAM-Combustible Gas Indicator

**Required NGA Hands on Exams**

1. NGA-PE-06A-Measuring Wall Loss
2. NGA-PE-06A/06B-Visually Evaluating Severity of Atmospheric Corrosion
3. NGA-PE-10-Clearing a Shorted Casing
  - a. Initial Training-CE10-Con Edison Clearing a Shorted Casing
4. NGA-PE-11/12/17E-Pipe Coatings (Mastic)
  - a. Initial Training-CE11/12/17E-Con Edison Pipe Coatings (Mastic)
5. NGA-PE-11/12/17F-Pipe Coatings (Cold Applied Tape)
  - a. Initial Training-CE11/12/17F-Con Edison Pipe Coatings (Cold Applied Tape)
6. NGA-PE-11/12/17H-Pipe Coatings (Single Coating System Paint)
  - a. Initial Training-CE11/12/17H-Con Edison Pipe Coatings (Outside Paint)
7. NGA-PE-29/30A-Repairing a Distribution Pipe (Repair Clamp)
  - a. Initial Training-CE29/30A-Con Edison Repairing Distribution Pipe - Repair Clamp
8. NGA-PE-31B-Installation of Pipe: Installing Pipe in a Ditch
  - a. Initial Training-CE31B-Con Edison Installation of Pipe - Installing Pipe in a Ditch
9. NGA-PE-31D-Installation of Pipe: Installing Pipe by Horizontal Boring (Piercing Tools)
  - a. Initial Training-CE31D-Con Edison Installation of Pipe - Horizontal Boring
10. NGA-PE-31E-Installation of Pipe: Installing Pipe by Dead Insertion
  - a. Initial Training-CE31E-Con Edison Installation of Pipe - Dead Insertion
11. NGA-PE-31G-Installation of Pipe: Installing Service Line Point of Entry Seal for Below Grade Foundation/Wall Penetration
  - a. Initial Training-CE31G-Con Edison Install and Inspect a Below Grade Service Line Point of Entry
12. NGA-PE-32/33A-Purging a Pipeline Into and Out of Service with Air or Inert Gas
  - a. Initial Training-CE32/33-Con Edison Purging a Pipeline Into and Out of Service
13. NGA-PE-34A-Performing a Pressure Test with Air
  - a. Initial Training-CE34A-Con Edison Performing a Pressure Test - Distribution Piping
14. NGA-PE-35.1 Squeeze-Off
  - a. Initial Training-CE35A-Con Edison Stopping Gas Flow - Squeeze Off
15. NGA-PE-35.2 Bagging
  - a. Initial Training-CE35B-Con Edison Stopping Gas Flow - Bagging (Balloon Stoppers)
16. NGA-PE-39-Removing a Service Tee/Fitting from Steel/Cast Iron Pipe
  - a. Initial Training-CE39-Con Edison Removing a Service Tee or Fitting from Steel and Cast Iron Pipe
17. NGA-PE-41/42A-Inspecting, Operating, and Maintaining Distribution Valves (Including Lubrication)
  - a. Initial Training-CE41/42-Con Edison Inspecting and Operating a Distribution Valve
18. NGA-PE-50/51/52C.1-Saddle Electrofusion
  - a. Initial Training-CE50C.1-Con Edison Plastic Pipe Joining - Saddle Electrofusion

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19. NGA-PE-50/52C.2-Coupling Electrofusion
  - a. Initial Training-CE50C.2-Con Edison Plastic Pipe Joining - Coupling Electrofusion
20. NGA-PE-50/52D.1-Hydraulic Fusion (Power-Driven)
  - a. Initial Training-CE50D-Plastic Pipe Joining - Hydraulic Butt Fusion
21. NGA-PE-50/52E.1-Manual Butt Fusion (Coil-to-Coil)
  - a. Initial Training-CE50E-Plastic Pipe Joining - Manual Butt Fusion
22. NGA-PE-50H-Joining Plastic Pipe-Nut Follower
  - a. Initial Training-CE50H-Plastic Pipe Joining - Mechanical Nut Follower
23. NGA-PE-50I-Joining Plastic Pipe-Bolted Fitting
  - a. Initial Training-CE50I.1-Plastic Pipe Joining - Mechanical Bolted
24. NGA-PE-50J.3-Joining Plastic Pipe-Compression (Metfit - Manual)
  - a. Initial Training-CE50J.3&J.4-Plastic Pipe Joining - Metfit (Mechanical Compression)
25. NGA-PE-50J.4-Joining Plastic Pipe-Compression (Metfit - Hydraulic)
  - a. Initial Training-CE50J.3&J.4-Plastic Pipe Joining - Metfit (Mechanical Compression)
26. NGA-PE-50K.1-Joining Plastic Pipe-Compression (Service Head Adapter - Separate Stiffener)
  - a. Initial Training-CE50K-Plastic Pipe Joining - Service Head Adapter
27. NGA-PE-50K.2-Joining Plastic Pipe-Compression (Service Head Adapter - Integral Stiffener)
  - a. Initial Training-CE50K-Plastic Pipe Joining - Service Head Adapter
28. NGA-PE-51D/E/F-Tapping a Self Tapping Tee (Plastic and Steel)
  - a. Initial Training-CE51E-Con Edison Plastic Self - Tapping Using Plastic Self Tapping Tees
29. NGA-PE-72B.1-Installing and Turning Off Residential and Small Commercial Meters (Including Regulators)

**Required Con-Ed Hands on Exams:**

1. CE-PE-CE2-EVALUATION-Measuring Pipe-To-Soil Potential
  - a. Initial Training-CE02B-Con Edison Pipe to Soil - Measuring Only
2. CE-PE-CE14&CE16-EVALUATION-Installing and Replacing an Anode, Installing a Corrosion Test Station and a Thermit Weld/Mechanical Connection onto a Pipeline
  - a. Initial Training-CE14-Con Edison Installing/Replacing an Anode on a Pipeline by Exothermic Welding and Mechanical Connection
  - b. Initial Training-CE16A-Con Edison Installing/Replacing a Corrosion Test Station on a Pipeline by Exothermic Welding and Mechanical Connection
3. CE-PE-CE101- EVALUATION Catching Gas on the Fly
  - a. Initial Training-CE101-Con Edison - Catching Gas on the Fly
4. CE-PE-CE106-EVALUATION-Flow Test Procedure
  - a. Initial Training-CE106-Con Edison - Flow Test Procedure
5. CE-PE-CE37E-EVALUATION-Tapping Steel Pipe - D5 Machine
  - a. Initial Training-CE35D5-Con Edison Stopping Gas Flow - High Pressure - D5
6. CE-PE-CE37E-EVALUATION-Tapping Steel Pipe - D5 Machine
  - a. Initial Training-CE37E - Con Edison Tapping Cast Iron and Steel Pipe - High Pressure - D5
7. CE-PE-CE37.1-EVALUATION-Tapping Cast Iron and Steel Pipe - ALH Machine
  - a. Initial Training-CE37F - Con Edison Tapping Cast Iron and Steel Pipe - Low Pressure (ALH or B101)
8. CE-PE-CE37D-EVALUATION-Tapping Cast Iron and Steel Pipe - Boyd Machine
  - a. Initial Training-CE37D - Con Edison Tapping Cast Iron and Steel Pipe - Boyd Machine

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9. CE-PE-CE40-EVALUATION-Con Edison Installing / Replacing Tracer Wire
  - a. Initial Training-CE40-Con Edison Installing / Replacing Tracer Wire
10. CE-PE-CE10&CE15&CE49-EVALUATION-Con Edison Mechanical Joining of Pipe other than Plastic, Installing, Replacing and Testing Electrical Isolation Couplings; Clearing and Inspecting a shorted casing
  - a. Initial Training-CE49A-Con Edison Mechanical Joining of Pipe other than Plastic - Threaded Fittings
  - b. Initial Training-CE49B-Con Edison Mechanical Joining of Pipe other than Plastic - Flanged
  - c. Initial Training-CE49H-Con Edison Mechanical Joining of Pipe other than Plastic - Nutfollower (Insulated and Non-Insulated)
  - d. Initial Training-CE49I-Con Edison Mechanical Joining of Pipe other than Plastic - Bolted (Insulated and Non-Insulated)
  - e. Initial Training-CE49J-Con Edison Mechanical Joining of Pipe other than Plastic - Compression (Saddle)
11. CE-PE-CE50-EVALUATION-Re-rounding for 16" Electro Fuse Coupling
  - a. Initial Training-CE50-Con Edison 16" Electrofuse Coupling

**Required DOJTS:**

1. CEHSP - A26.00 - Close Call Procedure Eff. 11/1/22
2. EOP-5324 Rev 3 - CCM2003 - Guidelines for Digging Around Elec. Facil. During System Emergencies
3. G-11803-28 - GAS0179 Periodic Inspection of Distribution and Transmission System Main Valves eff. 8/12/22
4. G-11811-14 - GAS0285 - Tagging Gas Valves (Bundle 2 - 2019) eff. 5/13/19
5. G-11814-18 - GAS0575 - Procedure for Determining the Soundness of Steel Gas Distribution Piping
6. G-11816-16 - GAS6030 - Creating, Updating and Maintaining Gas Valve Records (Bundle 2 - 2019) eff. 5/13/19
7. G-11830-21 - GAS0335 - Corrosion Testing on Buried Steel Gas Mains and Services (Bundle 4 - 2022) eff. 11/18/22
8. G-11833-11 - GAS0059 Procedure for Maintaining And Abandoning Inactive Gas Services (Bundle 4 - 2021) eff. 11/8/21
9. G-11834-10 - GAS0408 - Procedure for Documenting an Outside Gas Leak Investigation and Repair History (Bundle 4 - 2021) eff. 11/8/21
10. G-11841-9 - GAS0612 - Guidelines for Evaluating Cast Iron Distribution System Piping for Replacement or Retirement (Bundle 4 - 2022) eff. 11/18/22
11. G-11848-2 - GAS0495 - Emergency Communication - Employee Down (4th Qtr Bundle 2023) Effective 11/13/23
12. G-11861-7 - GAS0058 - Procedure for the Inspection, Maintenance and Operation of Gas Measurement Instruments (Bundle 3 - 2019) eff. 8/14/19
13. G-11863-12 - GAS0413 - Inspection and Assessment Requirements Associated with Excavation Activities Near Gas Pipelines and Other Hazardous Conditions, for Pipelines Operating at 125 PSIG and Above (Bundle 3 - 2021) eff. 8/12/21
14. G-11880-0 - GAS6031 - Material and Equipment-Related Failure Investigation



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15. G-11889-1 GAS6039 Requirements Associated with Design and Excavation Activities Within the Area of Influence of Gas Regulator Stations (Effective 9/12/22)
16. G-699-4 – GAS0564 Installation and Inspection of Gas Service Regulator Vent Line Protectors (VLPs)
17. G-704-3 - GAS4114 Gas Meter and Regulator Installation Requirements
18. G-709-2a - GAS0598 / GAS6063 - Natural Gas Detector Installation (Bundle 4 - 2020) Eff. 11/9/20
19. G-8003-16 - GAS6026 Transp., Handling and Storage of Steel Pipe for Gas Mains and Svcs. (Bundle 3 - 2022) eff. 8/12/22
20. G-8005-31 - GAS0073 - General Specification for the Installation of Gas Distribution Mains (Bundle 3 - 2022) eff. 8/12/22
21. G-8096-10 - GAS0111 - Sealing the Annular Space Between a Gas Pipe and a Wall, Casing Pipe, or Sleeve
22. G-8100-18 - GAS0119 General Specification for the Installation of Gas Distribution Services (Bundle 4 - 2021) eff. 11/8/21
23. G-8121-19 - GAS0268 - Qualification of Joiners of Polyethylene Plastic Pipe/Tubing for Gas Mains and Services (Bundle 1 2023)
24. G-8122-13 - GAS0343 - Inspection, Handling, Storage, and Transportation of Polyethylene (PE) Plastic Pipe, Tubing, and Fittings for Gas Mains and Services (Bundle 4 2022) eff. 11/18/22
25. G-8123-21 - GAS0452 Heat Fusion Joining of Polyethylene (PE) Plastic Pipe/Tubing and Fittings for Gas Mains and Services (Bundle 1 -2023)
26. G-8129-14a - GAS0150 PURGING GAS MAINS, SERVICES AND REGULATOR STATIONS, AND MITIGATING ODOR FADE (Bundle 3 -2022) eff. 8/12/22
27. G-8141-7 - GAS5004 Installation and Abandonment of Valves on Gas Distribution Mains (Bundle 3 - 2023) eff. 8/18/23
28. G-8149-19 - GAS0218 - Responsibility for Maintenance and Replacement of Gas Services (Bundle 3 - 2022) eff. 8/12/22
29. G-8153-10 - GAS0159 - Reinforcing Non-Restraining Compression Fittings (Bundle 3 - 2021) eff. 8/12/21
30. G-8178-15 - GAS0232 - Shut-Off of Polyethylene (PE) Plastic Pipe/Tubing Used for Gas Mains and Services (Bundle 4 - 2021) eff. 11/8/21
31. G-8194-6 - GAS0158 - Street Opening Color Coding, Permit Signs at Worksite and Pavement Restoration Markers (Bundle 1 - 2023)
32. G-8204-10 - GAS0219 - Pressure Testing Requirements For Gas Mains and Services (Bundle 4 - 2021) eff. 11/8/21
33. G-8205-14 - GAS0282 - Corrosion Control of Buried Steel Gas Mains and Services (Bundle 4 - 2021) eff. 11/8/21
34. G-8209-7 - GAS0351 - Field Coating of Steel Pipe and Fittings Installed Underground and in Subsurface Structures (Bundle 3 - 2023) eff. 8/18/23
35. G-8223-1 - GAS0583 - General Specification for the Installation of Gas Transmission Pipelines (Bundle 2 - 2020) eff. 5/15/20
36. G-8224-2 - GAS0573 - Repair of Gas Distribution Mains and Services (Bundle 4 - 2019) eff. 11/12/19
37. G-8230-0 - GAS4110 - General Requirements for Gas Meter Relocations
38. GAS0384 – Proper Gas Mapping Information eff. 6/17/22
39. GAS0399 - Testing Gas Mains or Services for Dead or Alive (Bundle 4 - 2020) Eff. 11/9/20
40. GAS0526 - Gas Rules We Live By eff. 12/13/17
41. GAS0560 - Report & Review Potential Operating Errors (Bundle 2 - 2021) eff. 5/10/21
42. GAS4118 - Using the M.T. Deason Tapping Tool

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43. GAS4126 - PE Fusion Bead Removal (4th Qtr Bundle 2023) Effective 11/13/23
44. GAS6006 - Documenting PE Plastic Gas Joints (Bundle 3 - 2023) eff. 8/18/23
45. GAS6015 - Testing and Tapping SPA Saddle (4th Qtr Bundle 2023) Effective 11/13/23
46. GAS6020 - Visual Inspection of Exposed PE Plastic Fuses (Bundle 3 - 2023) eff. 8/18/23
47. GAS6042- Hold Points for Gas Construction Work (Revision 10/26/22)
48. IP-20-10 - GAS0099 - Installation of Mechanical Fittings for Polyethylene (PE) Plastic Pipe and Tubing (Bundle 1 - 2020) eff. 2/7/20
49. IP-27-12 - GAS0173 - Installation of Electrofusion Fittings on Polyethylene (PE) Plastic Pipe/Tubing and Molded Fittings Using a Universal Electrofusion Processor (Bundle 3 - 2023) eff. 8/18/23
50. IP-30-6 - GAS0081 - Procedure for Removing or Replacing Live Intermediate, Medium and High Pressure Gas Pipe and/or Fittings Without No-Blow Equipment (Bundle 2 - 2021) eff. 5/10/21
51. IP-42-8 - GAS0089 - Requirements For Airline Respirator (Alr), Flame Retardant Coveralls (Frc), Harness & Line (H/L), Harness & Gantry (H/G) And Continuous Atmospheric Monitoring (Cam)
52. IP-46-0 - GAS4106 - Bypassing a Gas Service on Gas Main (Bundle 3 - 2019) eff. 8/14/19
53. IP-7-16 - GAS0213 Cut-Outs and Tie-Ins of Existing Gas Mains (Bundle 3 - 2022) eff. 8/12/22
54. IP-8-1 - GAS0599/GAS0600 - Requirements for Short Form Written Procedures
55. IP-9-18 - GAS0214 - Requirements For Written Procedures and Contingency Plans (Bundle 2 - 2021) eff. 5/10/21
56. SAF4993 - Calling a Time Out