

# PG & E's Employee - provided tool lists

As a result of 1970 general negotiations, Pacific Gas and Electric Company agreed to furnish specific hand tools to employees working in certain **Division, Materials Distribution and General Construction** classifications.

We are printing the three lists in this edition of the **UTILITY REPORTER** in order to assure that our members have convenient access to them. You should be aware that the Company will only replace lost or stolen tools which appear on these lists.

In addition to tools required for apprenticeship training, all apprentices are required to accumulate, prior to progression to journeyman, all remaining tools which a

journeyman is required to furnish. Additional requirements concerning the accumulation of tools by apprentices are shown in the lists.

Employees in classifications above the journeyman level are also required to provide those tools listed for journey men who are engaged in their same type of work or activity.

Any member desiring additional information, concerning the PG&E employee-provided tool lists shown below, should contact Assistant Business Manager Tony Morgado at Local Union headquarters (415/933-6060).

## DIVISIONS

### APPRENTICE LINEMAN AND LINEMAN

- 1. Body Belt
- 2. Safety Strap (Employee Provides first strap; Company provides replacements.)
- 3. Climber with Pads and Straps
- 4. 8" Klein Pliers or Equivalent
- 5. Pliers — Channel Lock No. 420 or Equivalent
- 6. Skinning Knife
- 7. 6' Non-Metallic Folding Ruler
- 8. Gauge for Gaffs which cannot be measured on the Fargo Gauge provided by Company

### APPRENTICE CABLE SPLICER AND CABLE SPLICER

- 1. 8" Klein Pliers or Equivalent
- 2. Long Nose Pliers
- 3. Pliers — Channel Lock or Equivalent
- 4. Skinning Knife
- 5. 6' Non-Metallic Folding Ruler

### COMMUNICATION TECHNICIAN AND APPRENTICE COMMUNICATION TECHNICIAN

- 1. Box, Tool and/or Tool Pouch (8 1/2" x 6 1/4")
- 2. Hammer, Ball Peen, Small
- 3. Knife, Electric
- 4. Level, Torpedo
- 5. Mirror, Inspection
- 6. Pliers, Channel Lock, 9 1/2"
- 7. Pliers, Diagonal, 6"
- 8. Pliers, Diagonal, Miniature
- 9. Pliers, Long or Ilc Nose, 6"
- 10. Pliers, Long or Ilc Nose, Miniature
- 11. Punch, Center, 1/4"
- 12. Rule, Wood Folding, 6'
- 13. Screwdrivers, Electrician's — 1 Set
- 14. Screwdriver, Offset
- 15. Screwdriver, Stubby
- 16. Screwdriver, Ratchet
- 17. Screwdriver, Holding, Small
- 18. Screwdrivers, Holding, Large
- 19. Screwdrivers, Phillips Head — 1 Set
- 20. Spintight Nut Drivers, Hollow Shank, Miniature — 1 Set
- 21. Stripper, Wire
- 22. Tweezers
- 23. Wrenches, Allen Key — Short Arm, .05" — 3/16" — 1 ea.
- 24. Wrench, Crescent, 4" — 6" — 8" or Equivalent — 1 ea.
- 25. Hemostat (Surgical Scissor)

Apprentice Communication Technicians are expected to accumulate all required tools during the first 6 months of classification.

### ELECTRICIAN AND APPRENTICE ELECTRICIAN

- 1. Box, Tool
- 2. Bar, Pry
- 3. Chisel, Cold, 1/2"
- 4. Chisel, Small Wood
- 5. Clamps, 4" C — 2
- 6. Frame, Hacksaw, 12"
- 7. Gauges, Thickness .0015" — .2" — 1 Set
- 8. Hammer, Ball Peen, 12 Oz.
- 9. Hammer, Small Ball Peen or Plastic Head
- 10. Hammer, Carpenter's Claw Ripping
- 11. \* Knife, Electrician's
- 12. Knife, Putty
- 13. Level, Aluminum, 24"
- 14. Level, Torpedo, 9"
- 15. Mirror, Inspection
- 16. Pin Dript, 3/16, 1/4, 5/16, 3/8" — 1 Set
- 17. \* Pliers, Klein (Lineman) 8"
- 18. \* Pliers, Channel Lock, 9 1/2"
- 19. \* Pliers, Diagonal, 6"
- 20. \* Pliers, Long or Needle Nose
- 21. Pliers, Vice Grip
- 22. Punch, Center, 1/4"
- 23. Punch, Center, 3/8"
- 24. Punch, Pin, 1/16" to 3/8" by 16ths — 1 Set
- 25. Retriever, Flexible
- 26. \* Rule, Wood Folding, 6'
- 27. Scissors
- 28. Scraper, Paint
- 29. Screwdriver, Angle with Ratchet
- 30. \* Screwdrivers, Electrician's — 1 Set
- 31. Screwdriver, Holding, Small
- 32. \* Screwdriver, Holding, Large
- 33. Screwdrivers, Phillips Head — 1 Set
- 34. Screwdrivers, Offset — 1 Set
- 35. \* Screwdriver, Stubby, Small
- 36. \* Screwdriver, Stubby, Large
- 37. Scribe
- 38. Snips, Tin
- 39. Spintight Nut Drivers, Deep Hollow Shank — 1 Set
- 40. Square, Combination Try and Mitre
- 41. Square, Carpenter's, Steel, 24"
- 42. Stone, Carborundum, Sharpening
- 43. \* Stripper, Wire
- 44. Tweezers
- 45. Wrenches, Allen Key — Short Arm, .05" to 5/8" — 1 Set
- 46. Wrenches, Allen Key — Long Arm, 5/64" to 3/8" — 1 Set
- 47. Wrenches, Box End, 3/8" to 7/8" by 16ths — 1 Set
- 48. Wrenches, Open End, 3/8" to 7/8" by 16ths — 1 Set
- 49. Wrenches, Combination, 3/8" to 7/8" by 16ths (Alternate for Box End and Open End Sets) — 1 Set
- 50. Wrenches, Open End Midguts — 1 Set
- 51. \* Wrenches, Crescent, 4", 6", 8", 10", 12" or Equivalent (\* 6" only) — 1 Set
- 52. Wrench, Pipe, 8"
- 53. Wrench, Pipe, 10"
- 54. Wrench, Socket Set, Deep, 1/2" Ratchet Drive with Extensions, 3/8" to 7/8" by 16ths — 1 Set

### ELECTRICAL TECHNICIAN AND APPRENTICE ELECTRICAL TECHNICIAN

- 1. Box, Tool
- 2. Drafting Equipment: Triangle, Protractor, Compass, Engineer's Scale — 1 Ea.
- 3. Files, Jeweler — 1 Set
- 4. Frame, Hacksaw, 12"
- 5. Gauges, Feeler — 1 Set
- 6. Hammer, Ball Peen, 12 oz.
- 7. Hammer, Small Ball Peen or Plastic Head
- 8. Knife, Electrician's
- 9. Level, Torpedo, 9"
- 10. Mirror, Inspection
- 11. Pliers, Klein (Lineman), 8" or Equiv.
- 12. Pliers, Channel Lock, 9 1/2" or Equiv.
- 13. Pliers, Diagonal, 6"
- 14. Pliers, Long or Needle Nose
- 15. Pliers, Jeweler's
- 16. Pliers, Vice Grip
- 17. Punch, Center, 1/4"
- 18. Punch, Pin, 1/16" to 3/8" by 16ths — 1 Set
- 19. Retriever, Flexible
- 20. Rule, Wood Folding, 6'
- 21. Scissors
- 22. Screwdriver, Angle with Ratchet
- 23. Screwdrivers, Electrician's — 1 Set
- 24. Screwdriver, Holding, Small
- 25. Screwdriver, Holding, Large
- 26. Screwdrivers, Jeweler's — 1 Set
- 27. Screwdrivers, Phillips Head — 1 Set
- 28. Screwdrivers, Offset — 1 Set
- 29. Screwdriver, Stubby, Small
- 30. Screwdriver, Stubby, Large
- 31. Scribe
- 32. Snips, Tin
- 33. Spintight Nut Drivers, Deep Hollow Shank — 1 Set
- 34. Slide Rule
- 35. Square, Combination Try and Mitre
- 36. Stone, Carborundum, Sharpening
- 37. Stripper, Wire
- 38. Tweezers
- 39. Wrenches, Allen Key — Short Arm, .05" to 5/8" — 1 Set
- 40. Wrenches, Box End, 3/8" to 7/8" by 16ths — 1 Set
- 41. Wrenches, Open End, 3/8" to 7/8" by 16ths — 1 Set
- 42. Wrenches, Combination, 3/8" to 7/8" by 16ths (Alternate for Box End and Open End) — 1 Set
- 43. Wrenches, Open End Midguts — 1 Set
- 44. Wrenches, Crescent, or Equivalent — 1 Set

Apprentice Electrical Technicians are expected to accumulate all required tools during the first 6 months in classification.

### ELECTRICAL MACHINIST AND APPRENTICE ELECTRICAL MACHINIST

- 1. \* Box, Tool
- 2. Bar, Pry
- 3. Bar, Pinch Aligning
- 4. Callipers, 6" Inside
- 5. Callipers, 6" Outside
- 6. Chisel, Cold, 3/8" & 5/8" — 1 Ea.
- 7. Frame, 12" Hacksaw
- 8. Gauges, Thickness .0015" — .2" — 1 Set
- 9. Gauge, Wire & Drill No. 1260
- 10. Hammer, Ball Peen
- 11. Hammers, 12 & 16 oz. — 1 Ea.
- 12. \* Knife, Electrician's
- 13. Knife, Putty
- 14. Mallet, Rubber/Rawhide
- 15. Mirror, Inspection
- 16. \* Pliers (Channel Lock, 9 1/2") or Equiv.
- 17. \* Pliers, Diagonal, 6"
- 18. \* Pliers, Klein (Lineman), 8" or Equiv.
- 19. \* Pliers, Long or Needle Nose — 1 Pr.
- 20. Pliers, Vice Grip — 1 Pr.
- 21. \* Stripper, Wire
- 22. Plumb Bob
- 23. Punch, Center, 1/4" & 3/8" — 1 Ea.
- 24. Punch, Dript, 3/16" to 3/8" by 16ths — 1 Set
- 25. Punch, Pin, 1/16" to 3/8" by 16ths — 1 Set
- 26. Retriever, Flexible, Magnetic
- 27. Rule, 6" Steel
- 28. Rule, 12" Steel
- 29. \* Rule, Wooden 6'
- 30. Scale, 12" & Crosshead
- 31. Scraper, Bearing
- 32. \* Screwdrivers, 4", 6", 8", 10", 12" — 1 Ea.
- 33. Screwdrivers, Offset — 1 Set
- 34. Screwdrivers, Phillips Head — 1 Set
- 35. Screwdrivers, Quick, Wedge, Small, Medium and Large — 1 Set
- 36. \* Screwdrivers, Stubby, Small & Large — 1 Ea.
- 37. Scribe
- 38. Snips, Tin — 1 Pr.
- 39. Sockets, 1/2" Drive, Set, Deep
- 40. Square, Combination Center Head and Protractor, 12"
- 41. Tweezers, Heavy Duty
- 42. Wrenches, Allen Key — Short Arm, .05" to 5/8" — 1 Set
- 43. Wrenches, Allen Key — Long Arm, 5/64" to 3/8" — 1 Set
- 44. Wrenches, Box End, 3/8" to 7/8" by 16ths — 1 Set
- 45. \* Wrenches, Crescent, 4", 6", 8", 10", 12" or Equivalent — 1 Ea.
- 46. Wrenches, Open End, 3/8" to 7/8" by 16ths — 1 Set
- 47. Wrench, Pipe, 12" — 14" — 1 Ea.
- 48. Spintight Nut Drivers, Deep Hollow Shank — 1 Set
- 49. Level, Torpedo, 9"
- 50. Micrometer, Outside, 0-1 & 1-2 — 1 Ea.
- 51. Micrometer, Inside, 2" & 8" — 1 Ea.
- 52. Gauge, Thread Pitch
- 53. Machinists Manual
- 54. Wedges, Parting

\* Items to be supplied by Apprentice Electricians during first 3 months in classification.

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# PG & E's Employee - provided tool lists

## DIVISIONS (Continued)

### EQUIPMENT MECHANIC

- |  |                                      |   |   |
|--|--------------------------------------|---|---|
| 1. Socket Wrench Sets — 1/4", 3/8" and 1/2" Drive Sets with Necessary Accessories — Standard and Deep Sockets as required through 1-1/4" | 7. 2 Clutchhead Screwdrivers         | 16. 2 Pliers, Snap Ring (1 External & 1 Internal) | 23. Brake Service Tools — Adjusting Tools, Brake Spring Pliers, Cylinder Clamps |
| 2. Set, Wrench, Box and Open End   | 8. Chisel and Punch Set              | 17. Diagonal Cutters                              | 24. Fry Bar   |
| 3. Set, Wrench, Flare Nut  | 9. Ignition Tool Set                 | 18. Hammer, Ball Peen                             | 25. File Assortment Set (Initial Set Only)                                      |
| 4. Set, Wrench, Tappet   | 10. Feeler Gauge Set                 | 19. Hammer, Plastic or Soft Tip Type              | 26. Circuit and Spark Tester  |
| 5. 3 Straight Screwdrivers,  | 11. Spark Plug Gap Gauge             | 20. Adjustable Wrenches, 6", 10", 12" — 1 Ea.     | 27. Steel Tape Rule   |
| 6. 2 Phillips Head Screwdrivers  | 12. Pliers, Gripping                 | 21. Hacksaw Frame                                 | 28. Tool Box or Cabinet   |
|  | 13. Pliers, Vise Grip, or Equivalent | 22. Allen Wrench Set through 3/8"                 |   |
|  | 14. Pliers, Water Pump               |   |   |
|  | 15. Pliers, Needle Nose              |   |   |

### APPRENTICE EQUIPMENT MECHANIC

- |   |                            |  |                          |
|---|----------------------------|--|--------------------------|
| 1. Socket Wrench Set — 1/2" Drive with Necessary Accessories through 1" | 3. Chisel and Punch Set    | 7. Hammer, Ball Peen                                   | 10. Feeler Gauge Set     |
| 2. Set, Wrench, Box and Open End through 7/8"                           | 4. 3 Straight Screwdrivers | 8. Adjustable Wrenches — 6" and 10" 1 Ea.              | 11. Spark Plug Gap Gauge |
|   | 5. Pliers, Gripping        | 9. Brake Repair Tools — Adjusters, Brake Spring Pliers | 12. Tool Box or Cabinet  |
|   | 6. Diagonal Cutter         |  |                          |

## MATERIAL DISTRIBUTION

### WELDERS

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 1. Outside Calipers, 4" & 12"         | 8. Klein Cutters, or Equivalent    |
| 2. Dividers, 0" — 12" Radius          | 9. Hammer, Small Ball Peen         |
| 3. Square, Combination, 12"           | 10. Hammer, Medium Size Ball Peen  |
| 4. Square, 24"                        | 11. Hammer, Small Cross Peen       |
| 5. Brass Rule, 12" (Inside, Outside)  | 12. Hammer, Medium Size Cross Peen |
| 6. Trammels, 12" to 36"               | 13. Scribers                       |
| 7. Center Punches, Fine Point & Heavy |                                    |

### BLACKSMITH

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 1. Outside Calipers, 4" & 12"         | 8. Klein Cutters, or Equivalent    |
| 2. Dividers, 0" — 12" Radius          | 9. Hammer, Small Ball Peen         |
| 3. Square, Combination, 12"           | 10. Hammer, Medium Size Ball Peen  |
| 4. Square, 24"                        | 11. Hammer, Small Cross Peen       |
| 5. Brass Rule, 12" (Inside, Outside)  | 12. Hammer, Medium Size Cross Peen |
| 6. Trammels, 12" to 36"               | 13. Scribers                       |
| 7. Center Punches, Fine Point & Heavy |                                    |

### MACHINE OPERATOR

- |   |                                     |
|---|-------------------------------------|
| 1. Tool Box   | 6. Dividers, 6" & 12" — 1 ea.       |
| 2. Ball Peen Hammer                                 | 7. 6" Steel Rule                    |
| 3. Screwdriver, 0" & 6" — 1 ea.                     | 8. Steel Tape                       |
| 4. Crescent Wrench, 10" & 6" — 1 ea., or Equivalent | 9. Combination Square               |
| 5. Center Punch                                     | 10. Pliers, Gas                     |
|   | 11. Pliers, Klein, 8" or Equivalent |

### MAINTENANCEMAN

- |  |  |
|--|--|
| 1. Tool Box  | 7. Combination Square                                |
| 2. Ball Peen Hammer                                | 8. Combination Open End & Box Wrench, 3/8" to 1-1/8" |
| 3. Screwdrivers, 10", 6", 2" — 1 ea.               | 9. Dividers, 6" & 12" — 1 ea.                        |
| 4. Crescent Wrench, 10" & 6" — 1 ea. or Equivalent | 10. 8" Vise Grip or Equivalent                       |
| 5. Center Punch                                    | 11. Pliers, Gas                                      |
| 6. 6" Steel Tape                                   | 12. Pliers, Klein, 8" or Equivalent                  |

### BENCHMAN

- |   |  |
|---|--|
| 1. Tool Box   | 8. 6" Steel Tape   |
| 2. Ball Peen Hammer                                 | 9. 6" Steel Rule   |
| 3. Screwdrivers, 10", 6", 2" — 1 ea.                | 10. 12" Combination Square                                       |
| 4. Crescent Wrench, 10" & 6" — 1 ea., or Equivalent | 11. Wrenches, Combination Open End & Box, 1/4" to 1-1/8" — 1 Set |
| 5. Pliers, Gas                                      | 12. 6" Awl   |
| 6. Pliers, Klein, 8", or Equivalent                 | 13. Dividers, 6" & 12" — 1 ea.                                   |
| 7. Center Punch                                     | 14. 6" Vise Grip Pliers, or Equivalent                           |

### APPRENTICE MACHINIST

- |  |   |
|--|---|
| 1. Tool Box                                | 9. 6" Steel Tape                                      |
| 2. Set, Micrometer, 0" to 1"               | 10. Center Punch                                      |
| 3. Calipers — Outside & Inside, 6" — 1 ea. | 11. Screwdrivers, 6" & 10" — 1 ea.                    |
| 4. Dividers, 6" & 12" — 1 ea.              | 12. Crescent Wrenches, 6" & 12" — 1 ea. or Equivalent |
| 5. Combination Square, 12"                 | 13. Hacksaw   |
| 6. Center Head                             | 14. Pliers, Gas                                       |
| 7. 6" Steel Rule                           | 15. Pliers, Klein, 8", or Equivalent                  |
| 8. Center Gauge                            |   |

### ELECTRICIAN

- |   |   |
|---|---|
| 1. * Crescent Wrench, 6", 8", 10", 12" — 1 ea., or Equivalent | 7. * Allen Wrenches, Set                          |
| 2. * Screwdriver, 6", 8", 10" — 1 ea.                         | 8. Calipers — Inside & Out, 8" & 10" — 1 ea.      |
| 3. * Screwdriver, Standard Phillips Holding, 6"               | 9. Dividers, 10"                                  |
| 4. * Ball Peen Hammers — Standard & Heavy — 1 ea.             | 10. Drift Pin Drivers, Set                        |
| 5. * Center Punch   | 11. Offset Screwdrivers — 1 Straight & 1 Phillips |
| 6. * Chisel   |   |

(continued)

### ELECTRICIAN

- |  |   |
|--|---|
| 12. * Lineman Pliers, Diagonal                   | 17. * Combination Square, 12"             |
| 13. * Needle Nose, Channel Lock or Equivalent    | 18. Socket Set, 3/8" Drive, 1/4" - 1-1/8" |
| 14. * Pliers Vise-Grip, Round Nose or Equivalent | 19. Feeler Gauges                         |
| 15. * Scriber                                    | 20. Set, Spin Tights                      |
| 16. Open End and Box Wrenches, 1/4" to 1-1/4"    | 21. * Tool Box                            |
|  | 22. Tin Snips                             |

\* Apprentice Electrician and Apparatus Repairman

### CARPENTER

- |  |                           |
|--|---------------------------|
| 1. Claw Hammer                             | 14. Block Plane           |
| 2. Brace, 10"                              | 15. Steel Tape, 6'        |
| 3. Set, Auger Bit, 1/4" to 1"              | 16. 50' Tape              |
| 4. Expansion Bit                           | 17. Set of Screwdrivers   |
| 5. Set, Screw Mate Drill                   | 18. Framing Square        |
| 6. Set of Wood Chisels, No. 6 - 1/4" to 1" | 19. Combination Square    |
| 7. 24" Level                               | 20. Wing Divider          |
| 8. Scratch Awl                             | 21. Keyhole Saw           |
| 9. Marking Gauge                           | 22. Common Pliers         |
| 10. Set of Nail Sets                       | 23. Sliding Tee Bevel Sq. |
| 11. Hacksaw                                | 24. Center Punch          |
| 12. Wood Saw, Cross Cut                    | 25. Ripping Bar, 24"      |
| 13. Smooth Plane, 8"                       |                           |

### SHEETMETAL WORKER

- |  |  |
|--|--|
| 1. Ball Peen Hammer, 16 oz.                    | 10. 2 Set, Screwdrivers, 6" & 8" - 1 ea. |
| 2. Ball Peen Hammer, 8 oz.                     | 11. Tape Rule, 12'                       |
| 3. Stanley Handyman Hammer or Equivalent       | 12. Rafter Square                        |
| 4. Tinners Setting Hammer                      | 13. Scribe                               |
| 5. Hacksaw, 12"                                | 14. Combination Square                   |
| 6. Kit, Coldchisel & Punches                   | 15. Trammel, 24"                         |
| 7. Pliers, 8"                                  | 16. Divider, 6" & 12" - 1 ea.            |
| 8. Diagonal Cutter                             | 17. Calipers, 8" & 3" - 1 ea.            |
| 9. 3 Adjustable Wrenches, 6", 10" & 12", 1 ea. | 18. Metal Shears                         |
|  | 19. Center Punch                         |

### MACHINIST

- |  |   |
|--|---|
| 1. Tool Box                                      | 13. Small Bench Level                                 |
| 2. Machinist Handbook                            | 14. 6" Steel Tape                                     |
| 3. Set, Micrometer, 0" to 1"                     | 15. Center Punch                                      |
| 4. Set, Micrometer, 1" to 2"                     | 16. Screwdriver, 6" & 10" - 1 ea.                     |
| 5. Calipers - Outside & Inside, 6" & 12" - 1 ea. | 17. Crescent Wrench, 6" & 12" (or Equivalent) - 1 ea. |
| 6. Dividers, 6" & 12" - 1 ea.                    | 18. Small Carbon Stone                                |
| 7. Thread Gauge - Small & Large                  | 19. Ball Peen Hammer                                  |
| 8. Combination Square                            | 20. Hacksaw   |
| 9. 6" Depth Gauge & Angle                        | 21. Set of Thickness Gauges                           |
| 10. 6" Steel Rule                                | 22. Small Vee Block                                   |
| 11. Center Gauge                                 | 23. Pliers, Gas                                       |
| 12. 12" Surface Gauge                            | 24. Pliers, Klein, 8", or Equivalent                  |

### ELECTRICIAN (BUSHING DEPARTMENT)

- |  |   |
|--|---|
| 1. Screwdriver, 2", 6", 7" - 1 ea.                           | 11. Offset Screwdriver                    |
| 2. Screwdriver, Phillips, 4", 6", 12" - 1 ea.                | 12. Punch, 6"                             |
| 3. Sidecutters, 8"   | 13. Micrometer, 1"                        |
| 4. Crescent Wrench, 6", 8", 10", 12" (or Equivalent) - 1 ea. | 14. Set, Sockets Wrenches, 3/8" to 1-1/8" |
| 5. Pliers, Channel Lock, 9" or Equivalent                    | 15. Allen Wrench Set                      |
| 6. Pliers, Vise Grip, 10" or Equivalent                      | 16. Outside Calipers, 8"                  |
| 7. Straight Nose Pliers, 7"                                  | 17. Dividers, 12"                         |
| 8. Box Wrench, 1/2" to 1"                                    | 18. Cutting Snips                         |
| 9. Drift Pins, 1/2" to 3/4"                                  | 19. Combination Square                    |
| 10. Scratch Awls   | 20. Thread Gauge                          |
|  | 21. Hammer - Large & Small                |

# PG & E's Employee - provided tool lists

## GENERAL CONSTRUCTION

### CARPENTER (DAVIS)

1. Hammer, Claw
2. Brace with Wood Bit Set, 1/4" to 1"
3. Expansion Bit, for Wood, to 2-1/2"
4. Saw, Hand, Cross Cut
5. Saw, Hand, Rip
6. Saw, Hand, Fine Tooth, Finish
7. Saw, Keyhole
8. Level, 24" Carpenter's
9. Tape, Measuring, 16'
10. Square, Forming
11. Square, Try (Combination)
12. Line, Chalk
13. Set Chisels, Wood, 1/4" to 1"
14. Plane, Hand, 10"
15. Plane, Block
16. Cutter, Side
17. Wrench, Crescent, 10", 12", 8" (or Equivalent) - 1 ea.
18. Screwdrivers, Straight - 2
19. Screwdrivers, Phillips - 2

### FIELD GARAGE MECHANIC "C"

1. Socket Wrench Sets - 1/2" Drive Sets with Necessary Accessories - Standard and Deep Sockets as required through 1"
2. Wrench Sets - Box and Open End to 1"
3. Screwdrivers, Straight - 3
4. Screwdrivers, Phillips Head - 2
5. Screwdrivers, Clutch Head Type - 2
6. Chisel and Punch Set
7. Pliers, Vise Grip or Equivalent
8. Pliers, Gripping
9. Pliers, Water Pump
10. Pliers, Needle Nose
11. Pliers, Snap Ring Type - 2 (1 Internal and 1 External)
12. Diagonal Cutters
13. Hammer - Ball Peen
14. Adjustable Wrenches - 6", 10", 12" - 1 ea.
15. Hack Saw Frame
16. Allen Wrench Set - Set through 3/8"
17. Brake Service Tools - Adjusting Tool
18. Pry Bar
19. File Assortment (Initial Set Only) - 1 Set
20. Circuit Tester
21. Steel Tape Rule
22. Tool Box or Cabinet

### FIELD GARAGE MECHANICS A & B AND LEAD

1. Socket Wrench Sets - 3/8" and 1/2" Drive Sets with Necessary Accessories - Standard and Deep Sockets as required through 1-1/4"
2. Set, Wrench, Box to 1-1/4"
3. Set, Wrench, Open End to 1-1/4"
4. Set, Wrench, Flare Nut to 3/4"
5. Screwdrivers, Straight - 3
6. Screwdrivers, Phillips Head - 2
7. Screwdrivers, Clutch Head - 2
8. Chisel and Punch Set
9. Ignition Tool Set
10. Feeler Gauge Set
11. Spark Plug Gauge
12. Pliers, Gripping
13. Pliers, Vise Grip or Equivalent
14. Pliers, Water Pump
15. Pliers, Needle Nose
16. Pliers, Snap Ring Type - 2 (1 Internal and 1 External)
17. Diagonal Cutters
18. Hammer, Ball Peen
19. Hammer, Plastic or Soft Tip Type
20. Hammer, Single Jack 4 lb.
21. Adjustable Wrenches - 6", 10", 12" 1 ea.
22. Hack Saw Frame
23. Allen Wrench Set through 3/8"
24. Brake Service Tools - Adjusting Tools, Brake Spring Pliers, Cylinder Clamps
25. Pry Bar
26. File Assortment (Initial Set Only) 1 Set
27. Circuit and Spark Tester
28. Steel Tape Rule
29. Tool Box or Cabinet

### MECHANICAL INSPECTOR (DAVIS)

1. Socket Wrench Sets - 3/8" and 1/2" Drive Sets with Necessary Accessories - Standard and Deep Sockets as required through 1-1/4"
2. Set, Wrench, Box to 1-1/4"
3. Set, Wrench, Open End to 1-1/4"
4. Set, Wrench, Flare Nut to 3/4"
5. Screwdrivers, Straight - 3
6. Screwdrivers, Phillips Head - 2
7. Screwdrivers, Clutch head - 2
8. Chisel and Punch Set
9. Ignition Tool Set
10. Feeler Gauge Set
11. Spark Plug Gap Gauge
12. Pliers, Gripping
13. Pliers, Vise Grip or Equivalent
14. Pliers, Water Pump
15. Pliers, Needle Nose
16. Pliers, Snap Ring Type - 2 (1 Internal and 1 External)
17. Diagonal Cutters
18. Hammer, Ball Peen
19. Hammer, Plastic or Soft Tip Type
20. Hammer, Single Jack 4 lb.
21. Adjustable Wrenches - 6", 10", 12"
22. Hack Saw Frame
23. Allen Wrench Set Through 3/8"
24. Brake Service Tools - Adjusting Tools, Brake Spring Pliers, Cylinder Clamps
25. Pry Bar
26. File Assortment (Initial Set Only) 1 Set
27. Circuit and Spark Tester
28. Steel Tape Rule
29. Tool Box or Cabinet

### APPRENTICE EQUIPMENT MECHANIC (DAVIS)

1. Socket Wrench Set - 1/2" Drive with Necessary Accessories through 1"
2. Set, Wrench, Box
3. Set, Wrench, Open End through 1"
4. Chisel and Punch Set
5. Screwdriver Set, Straight - 2
6. Screwdriver Set, Phillips - 2
7. Pliers, Gripping
8. Diagonal Cutters
9. Hammer, Ball Peen
10. Adjustable Wrenches - 6" and 10" - 1 ea.
11. Brake Repair Tools - Adjusters, Brake Spring Pliers
12. Feeler Gauge Set
13. Spark Plug Gap Gauge
14. Tool Box

### EQUIPMENT MECHANIC (DAVIS)

1. Socket Wrench Sets - 3/8" and 1/2" Drive Sets with Necessary Accessories - Standard and Deep Sockets as required through 1-1/4"
2. Set, Wrench, Box
3. Set, Wrench, Open End
4. Set, Wrench, Flare Nut
5. Screwdrivers, Straight - 3
6. Screwdrivers, Phillips Head - 2
7. Screwdrivers, Clutch Head - 2
8. Chisel and Punch Set
9. Ignition Tool Set
10. Feeler Gauge Set
11. Spark Plug Gap Gauge
12. Pliers, Gripping
13. Pliers, Vise Grip
14. Pliers, Water Pump
15. Pliers, Needle Nose
16. Pliers, Snap Ring Type - 2 (1 Internal and 1 External)
17. Diagonal Cutters
18. Hammer, Ball Peen
19. Hammer, Plastic or Soft Tip Type
20. Hammer, 4 lb. Single Jack
21. Adjustable Wrenches - 6", 10", 12" - 1 ea.
22. Hack Saw Frame
23. Allen Wrench Set - Set through 3/8"
24. Brake Service Tools - Adjusting Tools, Brake Spring Pliers, Cylinder Clamps
25. Pry Bar
26. File Assortment (Initial Set Only) - 1 Set
27. Circuit and Spark Tester
28. Steel Tape Rule
29. Tool Box or Cabinet

### MACHINIST (DAVIS)

1. Box, Tool
2. Bar, Pinch Aligning
3. Calipers, 6" Inside
4. Calipers, 6" Outside
5. Chisel, Cold 3/8" & 5/8" - 1 ea.
6. Frame, 12" Hacksaw
7. Gauges, Thickness .0015" - 2" - 1 - Set
8. Hammer, Ball Peen
9. Hammers, 12 & 16 oz. - 1 ea.
10. Mallet, Rubber/Rawhide
11. Pliers, Channel Lock 9-1/2" or Equivalent
12. Pliers, Diagonal 6"
13. Pliers, Long or Needle Nose - 1 Pr.
14. Pliers, Vise Grip
15. Punch, Center 1/4" & 3/8" - 1 ea.
16. Punch, Pin 1/16" to 3/8" by 16ths-1-Set
17. Rule, 6" Steel
18. Rule, 12" Steel
19. Scraper, Bearing
20. Screwdrivers, 4", 6", 8", 10", 12" - 1 ea.
21. Screwdrivers, Phillips Head - 1 Set
22. Scribe
23. Snips, Tin
24. Square, Combination Center Head and Protractor, 12"
25. Wrenches, Allen Key - Long Arm, 5/64" to 3/8" - 1 Set
26. Wrenches, Crescent or Equivalent - 6", 8", 10", 12" - 1 Ea.
27. Micrometer, Outside 0-1 & 1-2 - 1 ea.
28. Micrometer, Inside 2" & 8" - 1 Ea.
29. Gauge, Thread Pitch
30. Machinist Manual

### ELECTRICIAN (DAVIS)

1. Box, Tool
2. Bar, Pry
3. Chisel, Cold 1/2"
4. Frame, Hacksaw 12"
5. Gauges, Thickness .0015" - 2" - 1 Set
6. Hammer, Ball Peen 12 oz.
7. Hammer, Small Ball Peen or Plastic Head
8. Knife, Electrician's
9. Pin, Drift, 3/16, 1/4, 5/16, 3/8", - 1 Set
10. Pliers, Klein (Lineman) 8" or Equiv.
11. Pliers, Channel Lock 9-1/2" or Equiv.
12. Pliers, Diagonal 6"
13. Pliers, Long or Needle Nose
14. Pliers, Vise Grip
15. Punch, Center 1/4"
16. Punch, Center 3/8"
17. Punch, Pin 1/16" to 3/8" by 16ths - 1 Set
18. Retriever, Flexible
19. Scissors
20. Screwdrivers, Electrician's - 1 Set
21. Screwdriver, Holding, Small
22. Screwdriver, Holding, Large
23. Screwdrivers, Phillips Head - 1 Set
24. Screwdrivers, Offset - 1 Set
25. Screwdriver, Stubby Small
26. Screwdriver, Stubby Large
27. Scribe
28. Snips, Tin
29. Spintight Nut Drivers, Deep Hollow Shank - 1 Set
30. Square, Combination Try and Nitre
31. Square, Carpenter's, Steel 24"
32. Stripper, Wire
33. Tweezers
34. Wrenches, Allen Key - Short Arm .05" to 5/8" - 1 Set
35. Wrenches, Allen Key - Long Arm 5/64" to 3/8" - 1 Set
36. Wrenches, Combination 3/8" to 7/8" by 16ths (Alternate for Box End and Open End Sets) - 1 Set
37. Wrenches, Open End M - 1 Set
38. Wrench, Socket Set, Dec, 2" Ratchet Drive with Extensions, 3/8" to 7/8" by 16ths - 1 Set

### TOWERMAN AND APPRENTICE TOWERMAN

1. Body Belt
  2. Safety Strap
  3. Bolt Bag
- (Employee furnishes first strap; Company provides replacements.)

### GROUNDMAN, LINE TRUCK DRIVER, AND MATERIALMAN

1. Klein Pliers or Equivalent
  2. Safety Strap
  3. Climbers (Complete)
- (Employee furnishes first strap; Company provides replacements.)

### RIGGER (LINE CONSTRUCTION)

1. Body Belt
  2. Safety Strap
  3. Climbers (Complete)
- (Employee furnishes first strap; Company provides replacements.)

### PAINTER (LINE CONSTRUCTION)

- Employee required to furnish 1) body belt and 2) safety strap\* if assigned duties which involve climbing activities.
- \* Employee furnishes first strap. Company furnishes replacements.

### ELECTRICAL TECHNICIAN

1. Tool Box
2. Chisel, Cold 1/2"
3. Drill, Yankee Push w/Drills
4. 8" Rat Tail File
5. 6" Flat Smooth File
6. Hacksaw Frame
7. Pocket Knife
8. Level, Torpedo (6" or 8")
9. Pliers, Channel Lock or Equivalent
10. Pliers, Diagonal, 5"
11. Pliers, Long Nose, 5" or 6"
12. Pliers, Needlenose
13. Pliers, Duck Bill
14. Pliers, Elect. Sidecutter
15. Center Punch
16. Set, Screwdrivers, Reg.
17. Set, Screwdrivers, Holding
18. Set, Screwdrivers, Phillips
19. Set, Small Allen Wrenches
20. Crescent Wrenches, 4" & 6" - 1 ea. or Equivalent
21. Wooden Folding Rule, 6'
22. Cutter, Small Bolt
23. T-Handle (For Taps)
24. Wire "Mike"
25. Set, Nut Drivers
26. Wire Stripper
27. Hammer, Ball Peen
28. Set, Wrenches, Open End
29. Set, Wrenches, Box End
30. Set, Ignition Wrenches
31. Set, Jewelers Screwdrivers
32. Set, Feeler Gauges
33. Comb. Square, 12"
34. Offset Screwdriver
35. Inspection Mirror
36. Fuse Remover
37. Pliers, ViseLock, 7" or equivalent
38. Socket Set, 1/4" Drive
39. Small "C" Clamp
40. Pliers, Curved Nose
41. Scissors

# PG & E's Employee - provided tool lists

## GENERAL CONSTRUCTION (Continued)

### COMMUNICATION TECHNICIAN

1. Tool Box
2. Chisel, Cold 1/2"
3. Drill, Yankee Push w/Drills
4. 8" Rat Tail File
5. 6" Flat Smooth File
6. Hacksaw Frame
7. Pocket Knife
8. Level, Torpedo (6" or 8")
9. Pliers, Channel Lock or Equivalent
10. Pliers, Diagonal, 5"
11. Pliers, Long Nose, 5" or 6"
12. Pliers, Needlenose
13. Pliers, Duck Bill
14. Pliers, Elect. Sidecutter
15. Center Punch
16. Set, Screwdrivers, Reg.
17. Set, Screwdrivers, Holding
18. Set, Screwdrivers, Phillips
19. Set, Small Allen Wrenches
20. Crescent Wrenches, 4" & 6" - 1 ea. or Equivalent
21. Wooden Folding Rule, 6'
22. Cutter, Small Bolt
23. T-Handle (For Taps)
24. Wire Calipers
25. Set, Nut Drivers
26. Wire Stripper
27. Hammer, Ball Peen
28. Set, Wrenches, Open End
29. Set, Wrenches, Box End
30. Set, Ignition Wrenches
31. Set, Jewelers Screwdrivers
32. Set, Feeler Gauges
33. Comb. Square, 12"
34. Offset Screwdriver
35. Inspection Mirror
36. Fuse Remover
37. Pliers, Viseclack, 7" or equivalent
38. Socket Set, 1/4" Drive
39. Small "C" Clamp
40. Pliers, Curved Nose
41. Scissors

### ELECTRICIAN

1. Pliers, Vice Grip (Locking) or equivalent
2. Pliers, Channel Lock, 9" - 14" or Equiv.
3. Pliers, Klein, 9" or Equivalent
4. Pliers, Round Nose
5. Pliers, Duck Bill
6. Pliers, Needlenose
7. Pliers, Diagonal
8. Folding Wood Rule, 6'
9. Sharpening Stone
10. Metal Scribe
11. Square, Comb. 12"
12. Set of 5 Screwdrivers, Reg. Slot
13. Set of 3 Screwdr. Phillips
14. Set of 2 Screwdr. Holding
15. Set, Sockets, 1/2" Drive
16. Wire Caliper
17. Wire Stripper, (Firm Jaw)
18. Set, Allen Wrenches
19. Set, Open End Wrenches, 3/8" - 1"
20. Set, Wrenches, Box 8" - 1"
21. Set, Wrenches, Crescent, 4" - 10" or equiv
22. Tool Box
23. Buzzer
24. 2 Center Punches
25. Center Punch, Auto
26. Chalk Line
27. 2 Cold Chisels
28. Calipers
29. Dividers
30. Gauge, Feeler
31. Gauge, Wire
32. Gauge, Drill
33. Hacksaw Frame
34. Hammer, Ripping
35. Hammer, Ball Peen
36. Pocket Knife
37. Putty Knife
38. Level, Torpedo, 8" - 10"
39. Set, Nut Drivers
40. 2 Pin Punches
41. Plumb Bob

### APPRENTICE ELECTRICIAN

1. Pliers, Vice Grip (Locking) or equiv.
2. Pliers, Channel Lock, 9" - 14" or Equivalent
3. Pliers, Klein, 9" or Equivalent
4. Pliers, Round Nose
5. Pliers, Duck Bill
6. Pliers, Needlenose
7. Pliers, Diagonal
8. Wooden Folding Rule, 6'
9. Metal Scribe
10. Square, Comb. 12"
11. Set of 5 Screwdrivers, Reg. Slot
12. Set of 3 Screwdrivers, Phillips
13. Set of 2 Screwdrivers, Holding
14. Set, Sockets, 1/2" Drive
15. Wire Caliper
16. Wire Stripper, Fixed Jaw
17. Set, Wrenches, Allen
18. Set, Wrenches, Open End, 3/8" - 1"
19. Set, Wrenches, Box, 3/8" - 1"
20. Set, Wrenches, Crescent, 4" - 10" or Equivalent
21. Tool Box
22. Buzzer
23. 2 Center Punches
24. Center Punch, Auto
25. 2 Cold Chisels
26. Gauge, Wire
27. Gauge, Drill
28. Hacksaw Frame
29. Hammer, Ball Peen
30. Pocket Knife
31. Level, Torpedo, 8" - 10"
32. Set, Nut Drivers
33. 2 Pin Punches

### MECHANIC (STATION CONSTRUCTION)

1. Pliers, Vice Grip (Locking) or equiv.
2. Pliers, Channel Lock, 9" - 14" or Equivalent
3. Pliers, Klein, 9" or Equivalent
4. Pliers, Duck Bill
5. Pliers, Needlenose
6. Pliers, Diagonal
7. Folding Wood Rule, 6'
8. Sharpening Stone
9. Metal Scribe
10. Spark Lighter
11. Square, Comb. 12"
12. Set of 5 Screwdrivers, Reg. Slot
13. Set of 3 Screwdrivers, Phillips
14. Set, Sockets, 1/2" Drive
15. Tin Snips
16. Set, Wrenches, Allen
17. Set, Wrenches, Open End, 3/8" - 1"
18. Set, Wrenches, Box 3/8" - 1"
19. Set, Wrenches, Crescent, 4" - 10" or equivalent
20. Tool Box
21. Jimmy Bar, 14"
22. 2 Center Punches
23. Center Punch, Auto
24. Chalk Line
25. 2 Cold Chisels
26. Cutter, Small Tube
27. Calipers
28. Dividers
29. Feeler Gauge
30. Wire Gauge
31. Drill Gauge
32. Hacksaw Frame
33. Hammer, Ripping
34. Hammer, Ball Peen
35. Pocket Knife
36. Putty Knot
37. Level, Torpedo, 8" - 10"
38. 2 Pin Punches
39. Plumb Bob

### CARPENTER A & B (STATION CONSTRUCTION)

1. Pliers, Klein, 9" or Equivalent
2. Folding Wood Rule, 6'
3. Square, 24" Steel
4. Square, Comb. 12"
5. Square, Tee, 6"
6. Saw, Keyhole
7. Saw, Rip
8. Saw, Crosscut
9. Set of 5 Screwdrivers, Reg. Slot
10. Set, Wood Bits
11. Set of Wrenches, Crescent, 4" - 10" or Equivalent
12. Tool Box
13. Bar, Gooseneck
14. Bar, Jimmy, 14"
15. Brace
16. Center Punch, Auto
17. Chalk Line
18. Set, Wood Chisels
19. Hacksaw Frame
20. Hammer, Claw
21. Hammer, Ripping
22. Pocket Knife
23. Putty Knife
24. Level, Torpedo, 8" - 10"
25. Level, 24"
26. Nail Set
27. Nail Bar
28. Nail Puller
29. Plumb Bob
30. Plane, Block
31. Sharpening Stone

### CARPENTER C (STATION CONSTRUCTION)

1. Pliers, Klein, 9" or Equivalent
2. Folding Wood Rule, 6'
3. Saw, Rip
4. Saw, Crosscut
5. Tool Box
6. Bar, Jimmy
7. Hammer, Claw
8. Hammer, Ripping
9. Nail Set
10. Nail Bar
11. Plumb Bob
12. Pocket Knife

### TRUCK DRIVER (STATION CONSTRUCTION)

1. Pliers, Channel Lock, 9" - 14" or Equivalent
2. Set of 5 Screwdrivers, Reg. Slot
3. Set, Wrenches, Open End, 3/8" - 1"
4. Set, Wrenches, Box, 3/8" - 1"
5. Set, Wrenches, Crescent, 4" - 10" or Equivalent
6. Hammer, Ball Peen
7. Pocket Knife

### CRANE OPERATOR (STATION CONSTRUCTION)

1. Pliers, Channel Lock, 9" - 14" or Equivalent
2. Set of 5 Screwdrivers, Reg. Slot
3. Set, Wrenches, Open End, 3/8" - 1"
4. Set, Wrenches, Box, 3/8" - 1"
5. Set, Wrenches, Crescent, 4" - 10" or Equivalent
6. Hammer, Ball Peen
7. Pocket Knife

### WELDER (STATION CONSTRUCTION)

1. Pliers, Vice Grip (Locking) or Equivalent
2. Pliers, Channel Lock, 9" - 14" or Equivalent
3. Pliers, Klein, 9" or Equivalent
4. Folding Wood Rule, 6'
5. Metal Scribe
6. Spark Lighter
7. Square, Comb. 12"
8. Set of 5 Screwdrivers, Reg. Slot
9. Set of 3 Screwdrivers, Phillips
10. Set, Sockets, 1/2" Drive
11. Tip Cleaners
12. Set, Wrenches, Allen
13. Set, Wrenches, Open End, 3/8" - 1"
14. Set, Wrenches, Box 3/8" - 1"
15. Set, Wrenches, Crescent, 4" - 10"
16. Tool Box
17. 2 Center Punches
18. Center Punch, Auto
19. 2 Cold Chisels
20. Calipers
21. Dividers
22. Goggles
23. Gauge, Feeler
24. Gauge, Wire
25. Gauge, Drill
26. Hacksaw Frame
27. Hammer, Chipping
28. Hammer, Ball Peen
29. Hood, Welding
30. Pocket Knife
31. Putty Knife
32. Level, Torpedo, 8" - 10"
33. Level, 24"
34. 2 Pin Punches

### APPRENTICE LINEMAN AND LINEMAN

1. Body Belt (including attachments)
2. Safety Strap (Employee provides first strap; Company provides replacements.)
3. Climber with Pads and Straps
4. 8" Klein Pliers or Equivalent
5. Pliers - Channel Lock No. 420 or Equivalent
6. Skinning Knife
7. 6' Non-metallic Folding Ruler
8. Gauge for all gaffs which cannot be measured on the Fargo Gauge provided by Company.

### ROUTINE CABLE SPLICER AND CABLE SPLICER

1. 8" Klein Pliers or Equivalent
2. Long Nose Pliers
3. Pliers - Channel Lock or Equivalent
4. Skinning Knife
5. 6' Non-metallic Folding Ruler

### WORKING FOREMAN AND SUBFOREMAN

Tools of the craft through which the employee progressed.

### CARPENTER A & B (Gas - Civil and Hydro)

1. Pliers
2. Roll Up Tape
3. Square, 24" steel
4. Square, comb. 8"
5. Square, Tee, 6"
6. Saw, Keyhole
7. Saw, Rip
8. Saw, Crosscut
9. Set of 5 Screwdrivers, Reg. Slot
10. Set, Wood Bits
11. Tool Box
12. Bar, Gooseneck
13. Bar, Jimmy, 14"
14. Brace
15. Center Punch, Auto
16. Chalk Line
17. Set, Wood Chisels
18. Hacksaw Frame
19. Hammer, Claw
20. Hammer, Ripping
21. Pocket Knife
22. Putty Knife
23. Level, 24"
24. Nail Set
25. Nail Bar
26. Nail Puller
27. Plumb Bob
28. Plane, Block
29. Sharpening Stone
30. Adze
31. Hand Axe