

# ALASKA JOINT ELECTRICAL APPRENTICESHIP & TRAINING TRUST

NECA/IBEW

National Electrical Contractors Association – Alaska Chapter  
International Brotherhood of Electrical Workers – Local 1547

Dave McAllen – Statewide Training Director, Anchorage  
Thomas Minder – Training Coordinator, Fairbanks



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The AJEATT was created in 1958 as an apprenticeship training program to produce and perpetuate a skilled workforce for the Electrical Industry in Alaska.



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# INDUSTRY PARTNERSHIP SINCE 1958

National  
Electrical  
Contractors  
Association  
AK Chapter



International  
Brotherhood  
of Electrical  
Workers  
L.U. 1547

Alaska Joint  
Electrical  
Apprenticeship  
& Training  
Trust



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Funding is provided through training benefits contained in collective bargaining agreements negotiated between Labor and Management



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Contributions into the Trust Fund are administered by 16 Trustees. 8 Trustees appointed by Management and 8 appointed by the Union.



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# STATEWIDE TRUSTEE DUTIES



- ✘ Appoint Director to manage program Statewide
- ✘ Establish apprenticeship standards and policies
- ✘ Assure contributions are paid according to agreement
- ✘ Approve budget and expenditures
- ✘ Monitor actions of local Committees
- ✘ Act as appeal board for local Committee disciplinary actions



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# LOCAL SUB-COMMITTEES

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- ✘ Anchorage – Tom Cashen Training Facility
- ✘ Fairbanks – Kornfeind Training Center
- ✘ Juneau – IBEW Hall
- ✘ Ketchikan – IBEW Hall



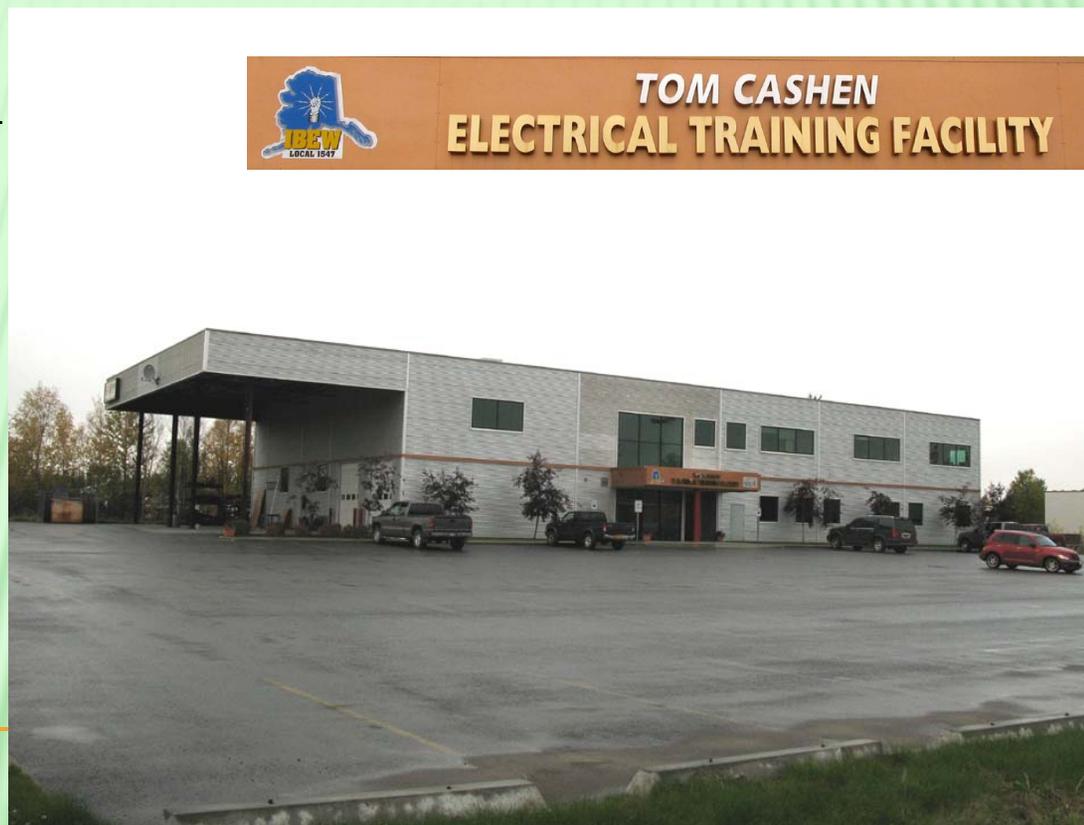
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# Tom Cashen Electrical Training Facility

5800 B Street  
Anchorage, AK

- 16,000 sq. ft. Training Facility
- 7 Classrooms
- 1 Shop Areas
- 1 Computer/Electronics Lab 1
- 1 Telecommunications Lab



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# Kornfeind Training Center

4782 Dale Road  
Fairbanks, AK

13,000 sq. ft. Training Facility  
4 Classrooms  
2 Shop Areas  
1 Computer/Electronics Lab



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# LOCAL SUB-COMMITTEE MEMBERS DUTIES

- ✘ Enforce standards and policies
- ✘ Interview applicants and accept new apprentices
- ✘ Assign on-the-job training positions
- ✘ Schedule related classroom instruction
- ✘ Monitor and evaluate apprentice progress
- ✘ Discipline apprentices when necessary



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# APPLICATION QUALIFICATIONS

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- ✘ Eighteen years of age
- ✘ High School Graduate or GED
- ✘ Two semesters High school algebra with grade of C or better or one college level algebra class with C or better
- ✘ Official copy of High School transcripts
- ✘ Current Alaska Drivers License
- ✘ Resident of Alaska for at least one year
- ✘ Must be physically fit



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# TRAINING CLASSIFICATIONS

✘ Outside Power Lineman



✘ Inside Wireman



✘ Telecommunication Worker



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# OUTSIDE POWER LINEMAN

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- ✘ Outside power linemen are responsible for building and maintaining power transmission and distribution lines from generation facilities to the end users.
- ✘ They deal with high voltages: 5000 to 340,000 volts



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# POWER LINEMAN JOB TASKS

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- ✘ Transport materials & equipment to job site
- ✘ Construct poles or towers
- ✘ Excavate holes for footings and structures
- ✘ Set poles, erect structures
- ✘ Install conductors
- ✘ Terminate and splice high voltage conductors

# INSIDE WIREMAN

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- ✘ Inside wiremen are the electricians that install the wiring systems for commercial buildings and industrial facilities. This includes bringing power into the building and distributing it to the utilization devices.



- ✘ They deal with medium voltages: 120 – 600 volts



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# INSIDE WIREMAN JOB TASKS

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- ✘ Install services to get power into building
- ✘ Mount electrical panels (breaker boxes)
- ✘ Distribute power throughout building
  - + Run conduit
  - + Pull conductors
  - + Terminate conductors
- ✘ Wire building control systems
- ✘ Install traffic signals and underground outside lighting



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# TELECOMMUNICATION WORKER

- ✘ The telecommunication worker is responsible for everything from maintaining and operating the phone utility's central office, to building outside plant (phone systems), to installing building phone systems and computer network wiring.



- ✘ They deal with low voltage: 12 – 48 volts



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# TELECOMMUNICATION WORKER JOB TASKS

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- ✘ Set poles for aerial outside plant
- ✘ Excavate for underground outside plant
- ✘ Install cables
- ✘ Splice and terminate copper wires and fiber-optic cable
- ✘ Program telephone key systems
- ✘ Operate computers



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# TRAINING COMPONENTS

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- ✘ Designed as five year program
- ✘ On the job training – 8000 hours
- ✘ Related classroom instruction – 960 to 1400 hours.



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# ON THE JOB TRAINING

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- ✘ All three classifications require 8000 hours of training where the apprentices are assigned to a participating employer and perform job tasks under the supervision of an appropriate journeyman.
- ✘ Apprentices are paid a wage and benefit package depending on the number of ojt hours completed



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# WAGE PACKAGES

## IBEW/NECA Outside Agreement (Power Lineman, Outside Telephone)

	<b>Step 1</b> 0 - 1000 hours	<b>Step 2</b> 1001 - 2000 hours	<b>Step 3</b> 2001 - 3000 hours	<b>Step 4</b> 3001 - 4000 hours	<b>Step 5</b> 4001 - 5000 hours	<b>Step 6</b> 5001 - 6000 hours	<b>Step 7</b> 6001 - 7000 hours	<b>Step 8</b> 7001 - 8000 hours	<b>Journey man</b>
	50%	55%	60%	65%	70%	75%	80%	85%	100%
Wages	<b>\$21.37</b>	<b>\$23.51</b>	<b>\$25.64</b>	<b>\$27.78</b>	<b>\$29.92</b>	<b>\$32.06</b>	<b>\$34.19</b>	<b>\$36.33</b>	<b>\$42.74</b>
H & W	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82
Pension DB	\$4.13	\$4.54	\$4.95	\$5.36	\$5.78	\$6.19	\$6.60	\$7.01	\$8.25
Pension DC	\$1.33	\$1.46	\$1.59	\$1.72	\$1.86	\$1.99	\$2.12	\$2.25	\$2.65
Pension Intl.	\$0.64	\$0.71	\$0.77	\$0.83	\$0.90	\$0.96	\$1.03	\$1.09	\$1.28
Trng. Trst	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55
Legal Fund	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15
<b>Total</b>	<b>\$35.98</b>	<b>\$38.73</b>	<b>\$41.47</b>	<b>\$44.22</b>	<b>\$46.97</b>	<b>\$49.71</b>	<b>\$52.46</b>	<b>\$55.20</b>	<b>\$63.44</b>



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# WAGE PACKAGES

## IBEW/NECA Inside Agreement (Inside Wireman, Inside Telephone)

	<b>Step 1</b> 0 - 1000 hours	<b>Step 2</b> 1001 - 2000 hours	<b>Step 3</b> 2001 - 3000 hours	<b>Step 4</b> 3001 - 4000 hours	<b>Step 5</b> 4001 - 5000 hours	<b>Step 6</b> 5001 - 6000 hours	<b>Step 7</b> 6001 - 7000 hours	<b>Step 8</b> 7001 - 8000 hours	<b>Journey man</b>
	49%	49%	55%	60%	65%	70%	75%	80%	100%
Wages	<b>\$17.08</b>	<b>\$17.08</b>	<b>\$19.17</b>	<b>\$20.91</b>	<b>\$22.65</b>	<b>\$24.40</b>	<b>\$26.14</b>	<b>\$27.88</b>	<b>\$34.85</b>
H & W	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82	\$7.82
Pension DB	\$4.10	\$4.10	\$4.10	\$4.10	\$4.10	\$4.10	\$4.10	\$4.10	\$6.15
Pension DC	\$1.35	\$1.35	\$1.35	\$1.35	\$1.35	\$1.35	\$1.35	\$1.35	\$2.50
Pension Intl.	\$0.51	\$0.51	\$0.58	\$0.63	\$0.68	\$0.73	\$0.78	\$0.84	\$1.05
Trng. Trst	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55
Legal Fund	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15
<b>Total</b>	<b>\$31.56</b>	<b>\$31.56</b>	<b>\$33.71</b>	<b>\$35.51</b>	<b>\$37.30</b>	<b>\$39.10</b>	<b>\$40.89</b>	<b>\$42.69</b>	<b>\$53.07</b>



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# RELATED CLASSROOM INSTRUCTION

- ✘ All apprentices are required to attend classroom sessions related to their classification
  - + Outside lineman – 3 eight week sessions (960 hrs)
  - + Inside wireman – 5 seven week sessions ( 1400 hours)
  - + Telecom - 3 eight week sessions (960 hrs)
- ✘ Apprentices are not paid while attending class, but there is no cost to the apprentice other than reference material and workbooks. They are eligible for unemployment benefits.



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# ON THE JOB VS. CLASSROOM TRAINING

× On the-job-training

× How

+ The apprentice learns how to productively perform job tasks through meaningful repetition under the supervision of a journeyman.

× Classroom instruction

× Why

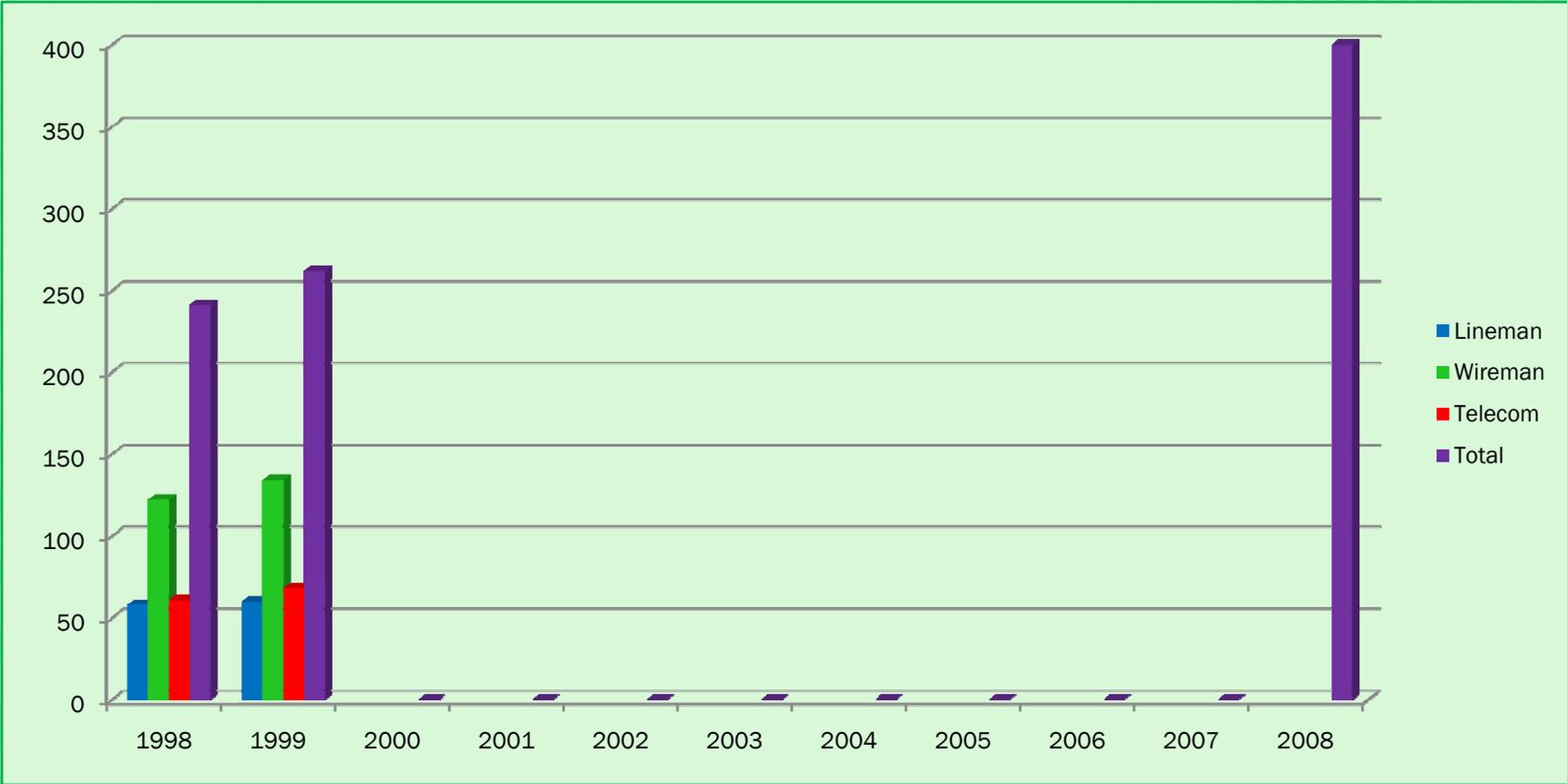
+ The apprentice learns basic theories and codes that explain the why of how systems are installed in the field.



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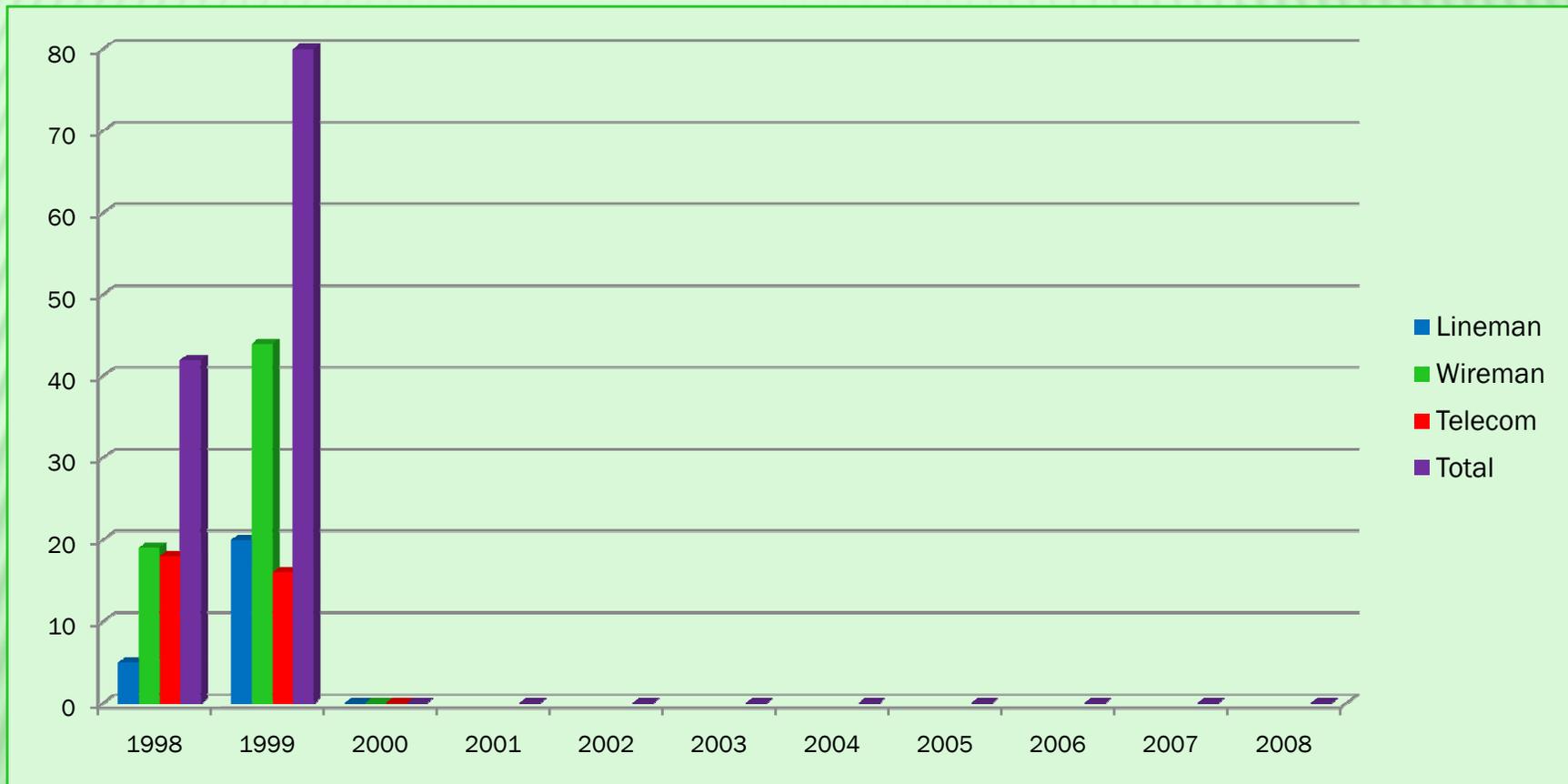
# ACTIVE APPRENTICES



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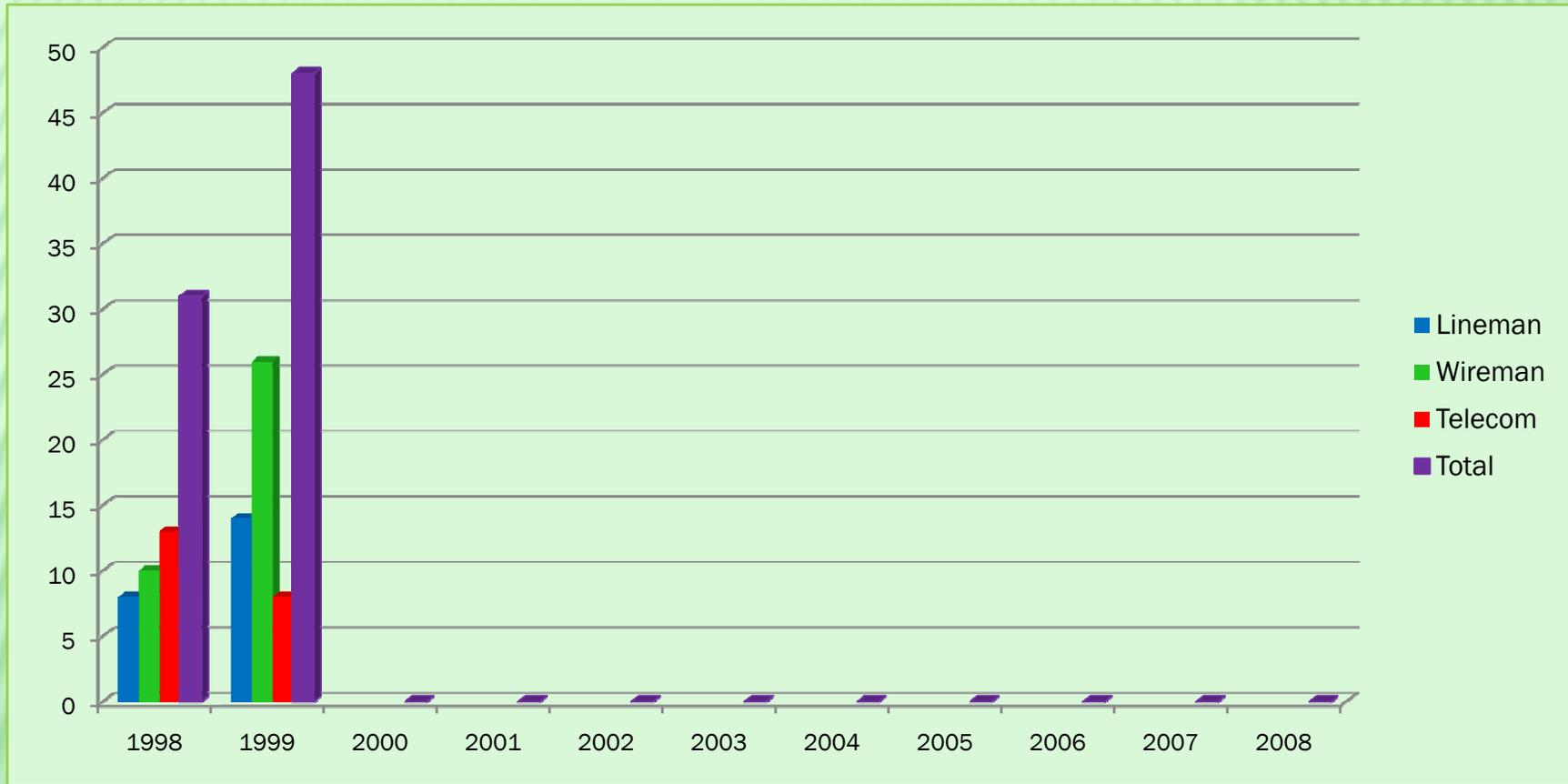
# NEW APPRENTICES



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# COMPLETED APPRENTICES



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# CONCLUSION

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## × WILL WE BE READY?

### + Ready for what?

- × Replace a retiring workforce? – YES
- × Provide manpower for a gas line? - ????????

The extent of training that the AJEATT can provide becomes a balancing act between the number of apprentices we accept and the number of on-the-job training positions we anticipate.



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