



# Re-powering the Electric Utility Work Force

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Transmission Technology Development

American Electric Power

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Super Session: Overcoming the Technical Talent Challenge

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# Industry Challenges

- Rising workload
- New technologies
- Aging physical infrastructure
- Changing expectations & rules
- Aging workforce
- Uncertain replacement pool



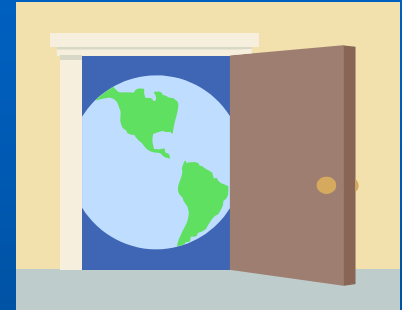
# Human Resource Issues

- Industry appeal
- Recruiting & retention
- Knowledge retention/transfer
- Training & development
- Generational differences
- Work life balance
- Need for collaborative solutions

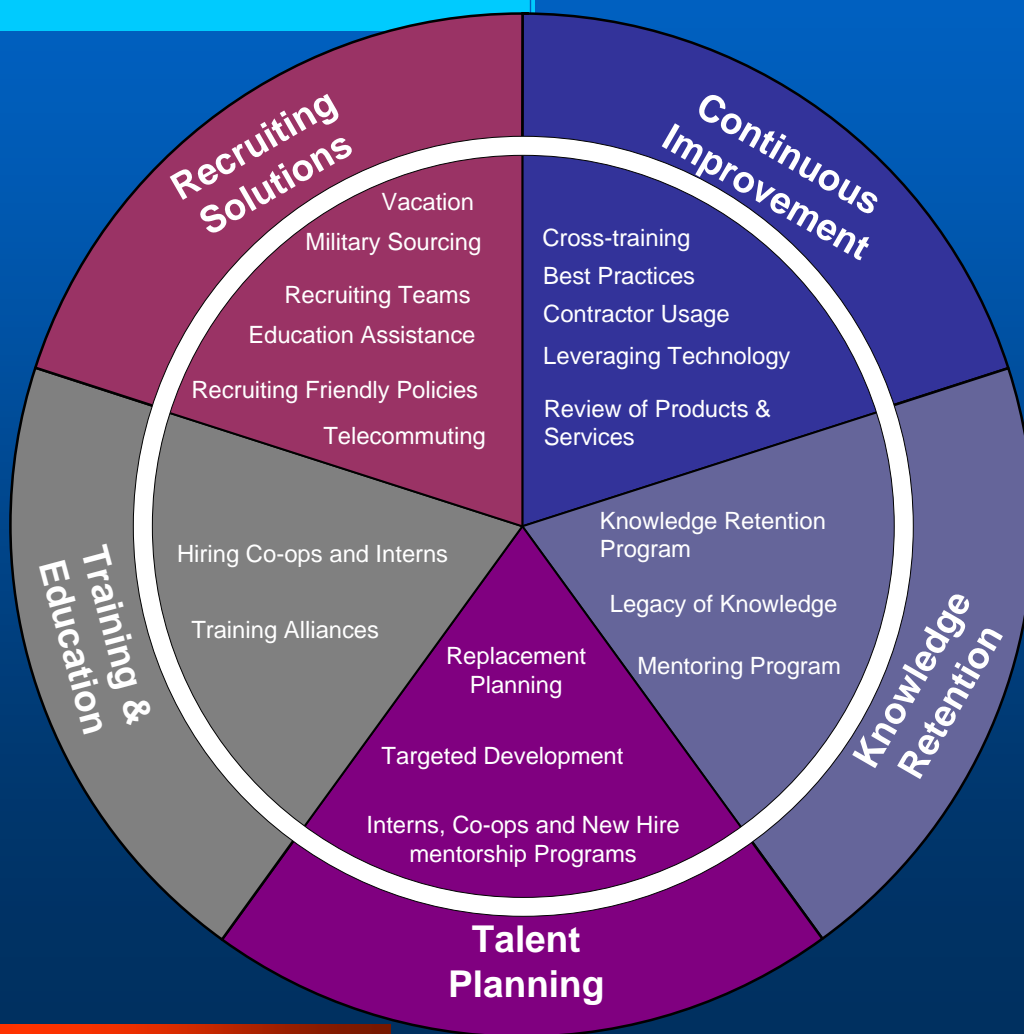


# Improvement Opportunities

- Showcase our industry
- Scale (up) our organization
- Refresh our culture & talent
- Transform our facilities & practices
- Influence educators & communities
- Select, train & develop right people
- Expanding our talent pool



# AEP Workforce Strategy



# AEP Transmission Experience

- *Forecast attrition*
- *Build hiring “pipelines”*
- Market opportunities
- Train & develop
- Retain employees, & knowledge
- Enrich the work experience

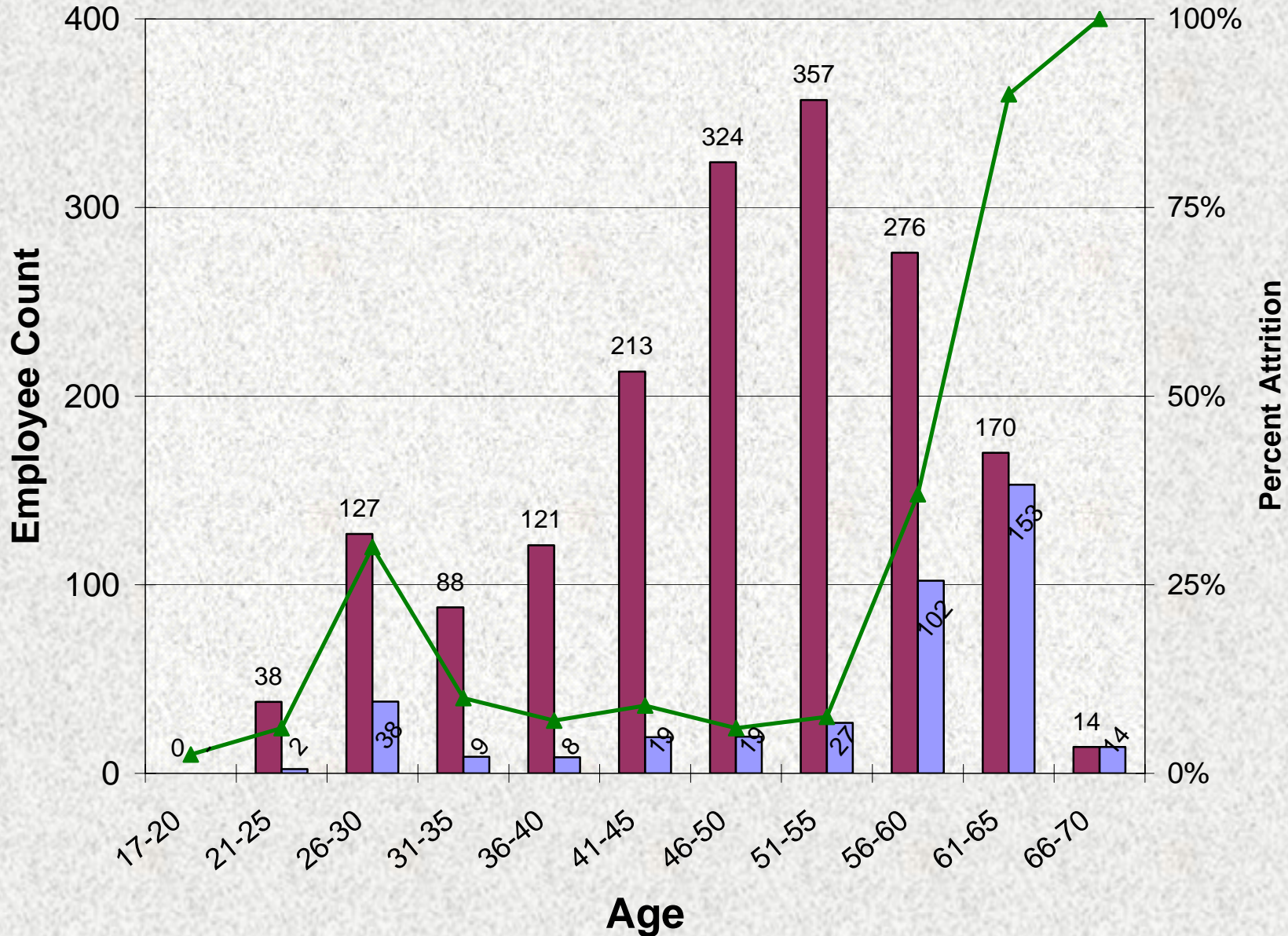
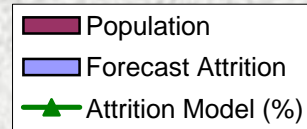


# Forecast Attrition

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- A planning exercise
- Retirements only ~ 1/3 total attrition!
- Develop 5 year needs forecast
- Integrate into business cycle
- Feed into recruiting “shopping list”

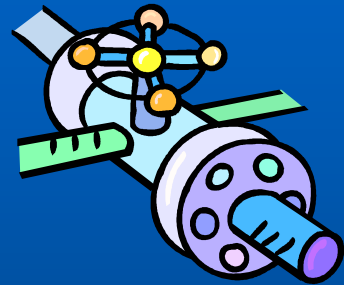
# Five Year Attrition Forecast Transmission – All Positions





# Our Hiring Pipelines

- Universities
  - *Co-op program*
  - Internships
  - Technical & financial relationships
- Veteran candidates – home & abroad
- Diversity is an enabler, if . . .
- Junior High/High School
- Contract employees



# Transmission Co-op Program

## Program Description

- Since 1996
- 26 students/yr
- > 80% hire rate
- Rich diversity
- Rotate assignments
- Learning objectives
- Real work
- Schools near us

## Keys to Success

- Vision & passion
- Long term view
- Constant commitment
- Relationships
- Real work
- Good compensation
- Executive support
- HR support

# Observations

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- **Emphasize action**
- **Collaborate on industry outreach**
- **Reframe industry perceptions**
- **Develop menu of solution options**
- **Build robust training & development**
- **Expect the best from new people**
- **Build school relationships**

# Questions

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***What solutions  
can you imagine?***