

2013 PLS-CADD Advanced Training and User Group

# Lessons Learned with NERC Work Roundtable Discussion

by

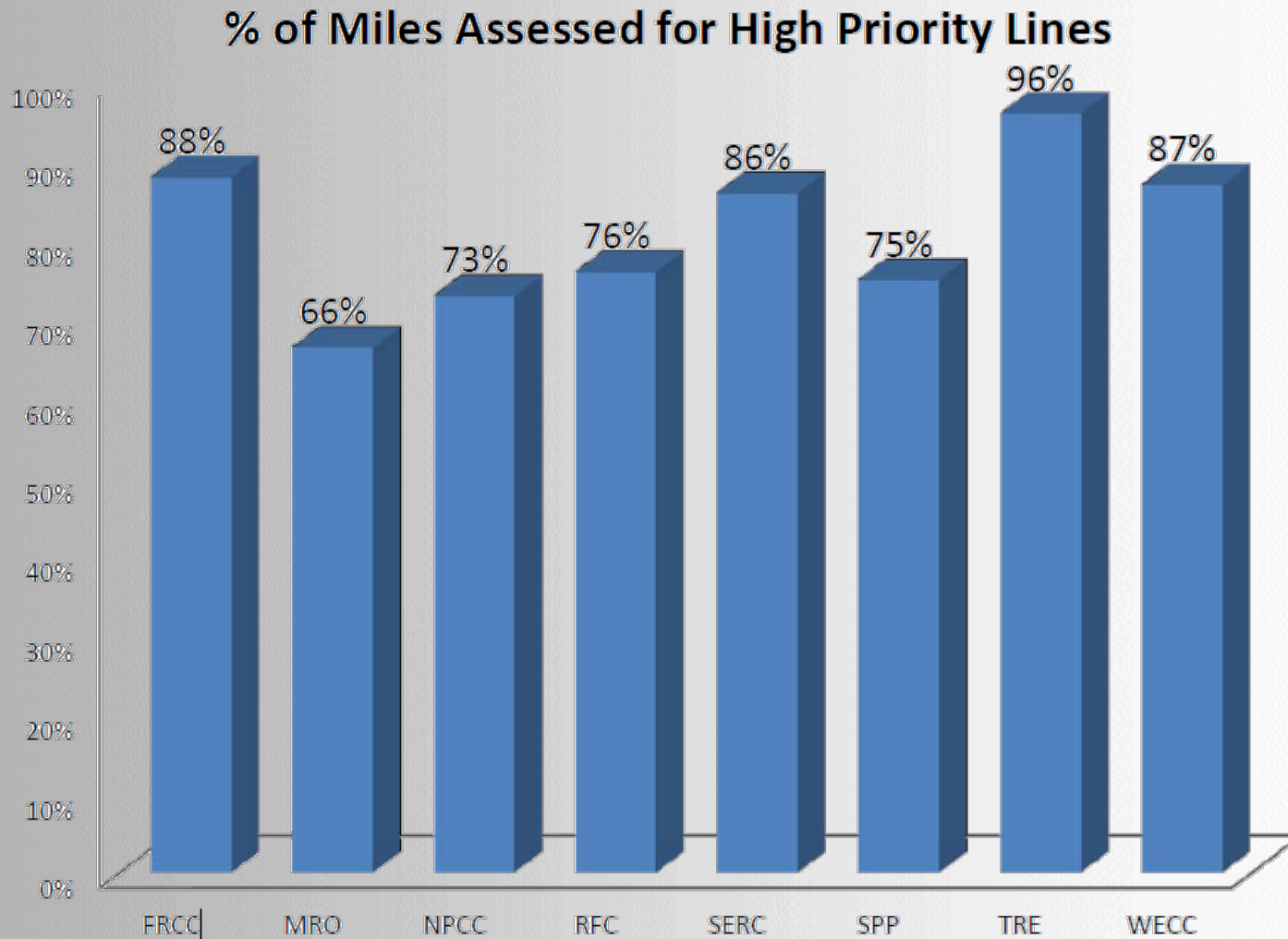
Otto J. Lynch, P.E.

Power Line Systems, Inc.

# Line Rerating Efforts

- Lessons Learned from NERC Alert
  - Final FAC Alert Recommendation Update March 2, 2012 on High Priority Lines
    - A **97 percent response** rate by registered entities was achieved in providing summaries of their 'high priority' assessments.
    - Approximately **4,300 circuits were assessed**.
    - Approximately **73,000 miles** of line were assessed.
    - Approximately **5,100 discrepancies were discovered**. Of these discrepancies, approximately **42 percent have been mitigated** as of January 15, 2012.

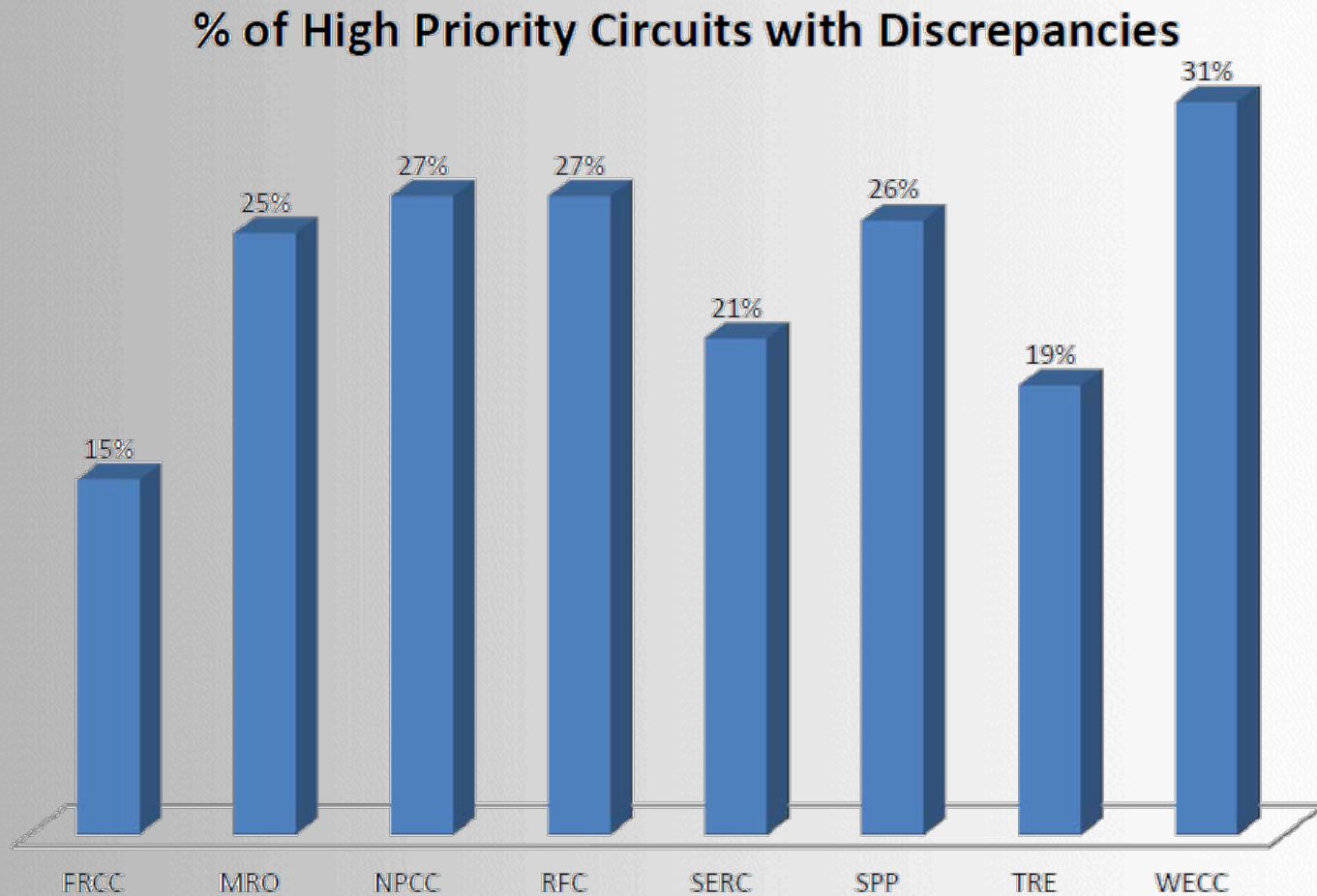
# Line Rerating Efforts



Source: NERC Final FAC Alert Recommendation Update March 2, 2012

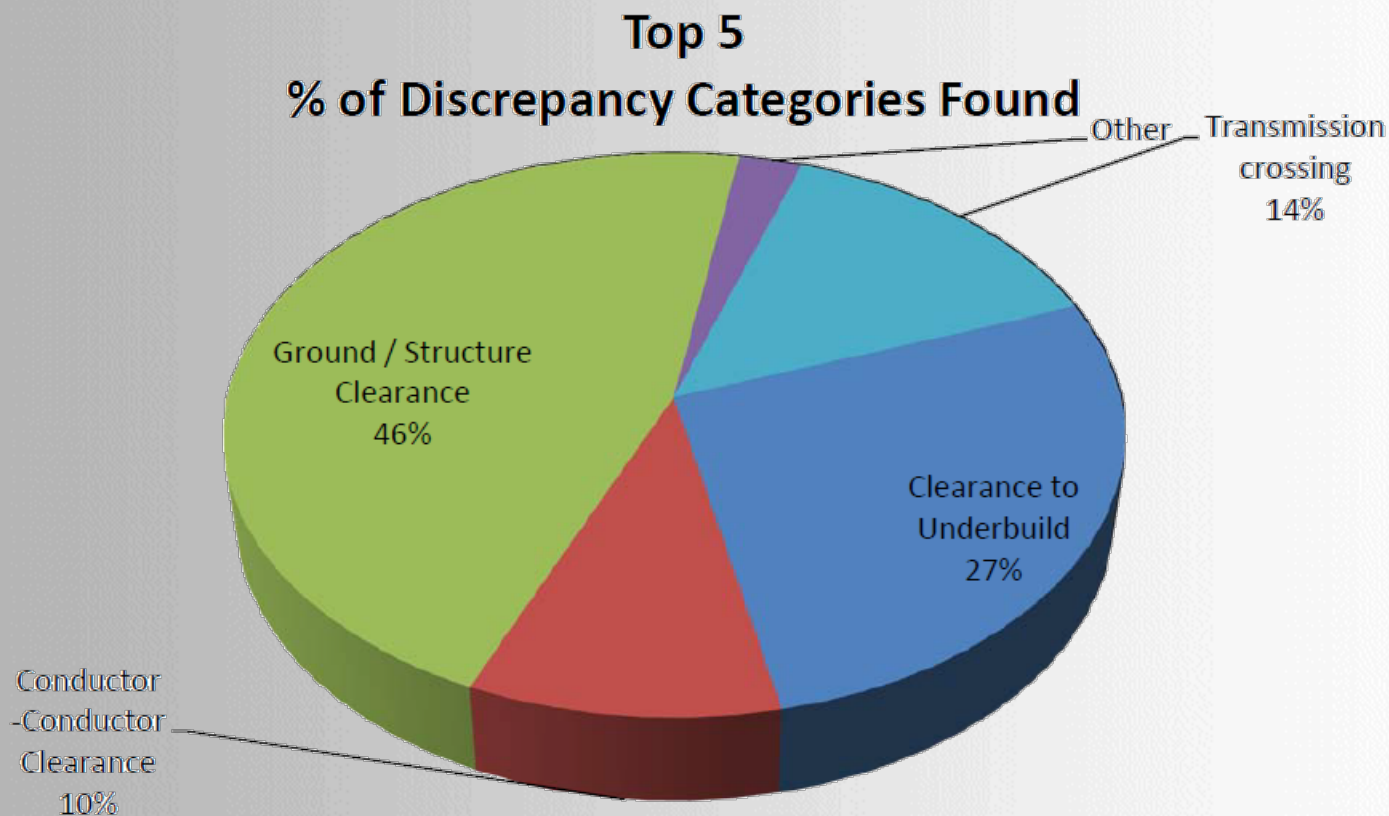


# Line Rerating Efforts



Source: NERC Final FAC Alert Recommendation Update March 2, 2012

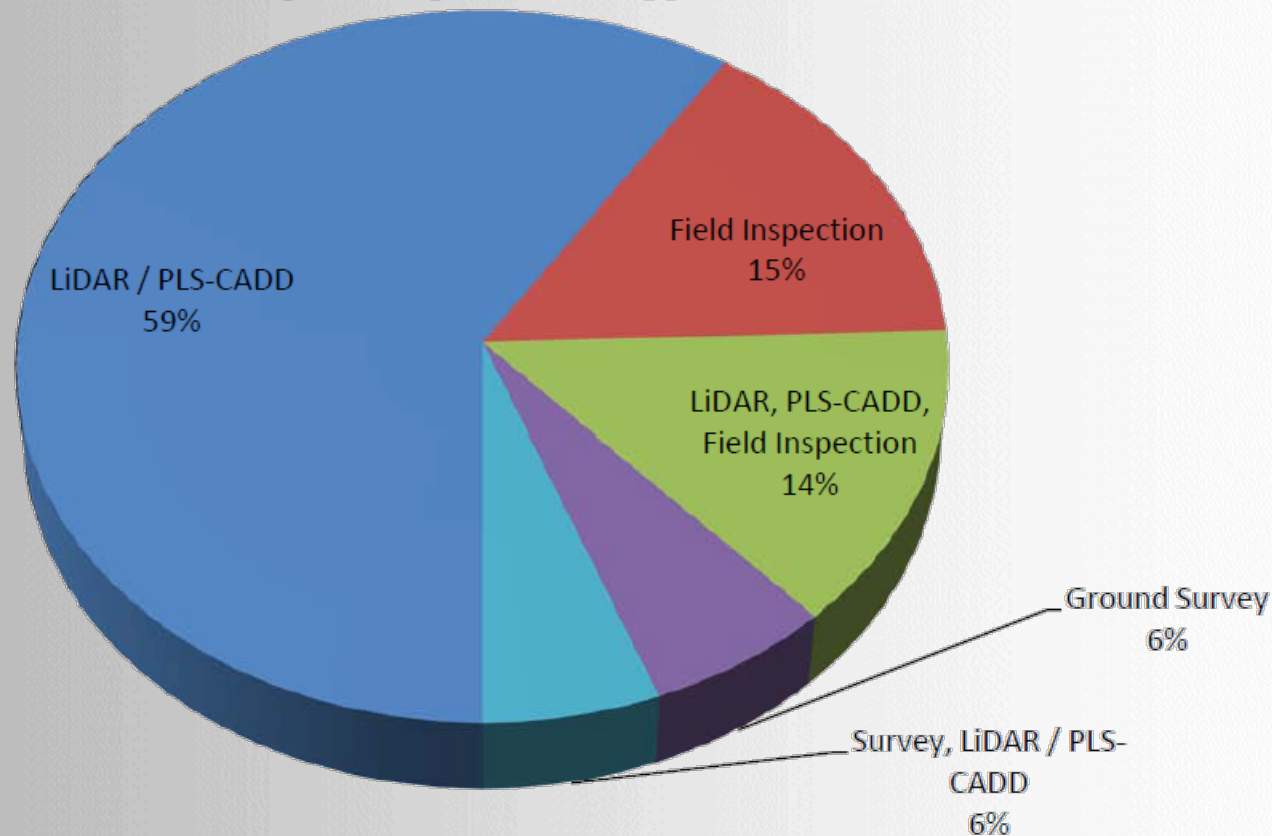
# Line Rerating Efforts



Source: NERC Final FAC Alert Recommendation Update March 2, 2012

# Line Rerating Efforts

## Top 5 Inspection Types

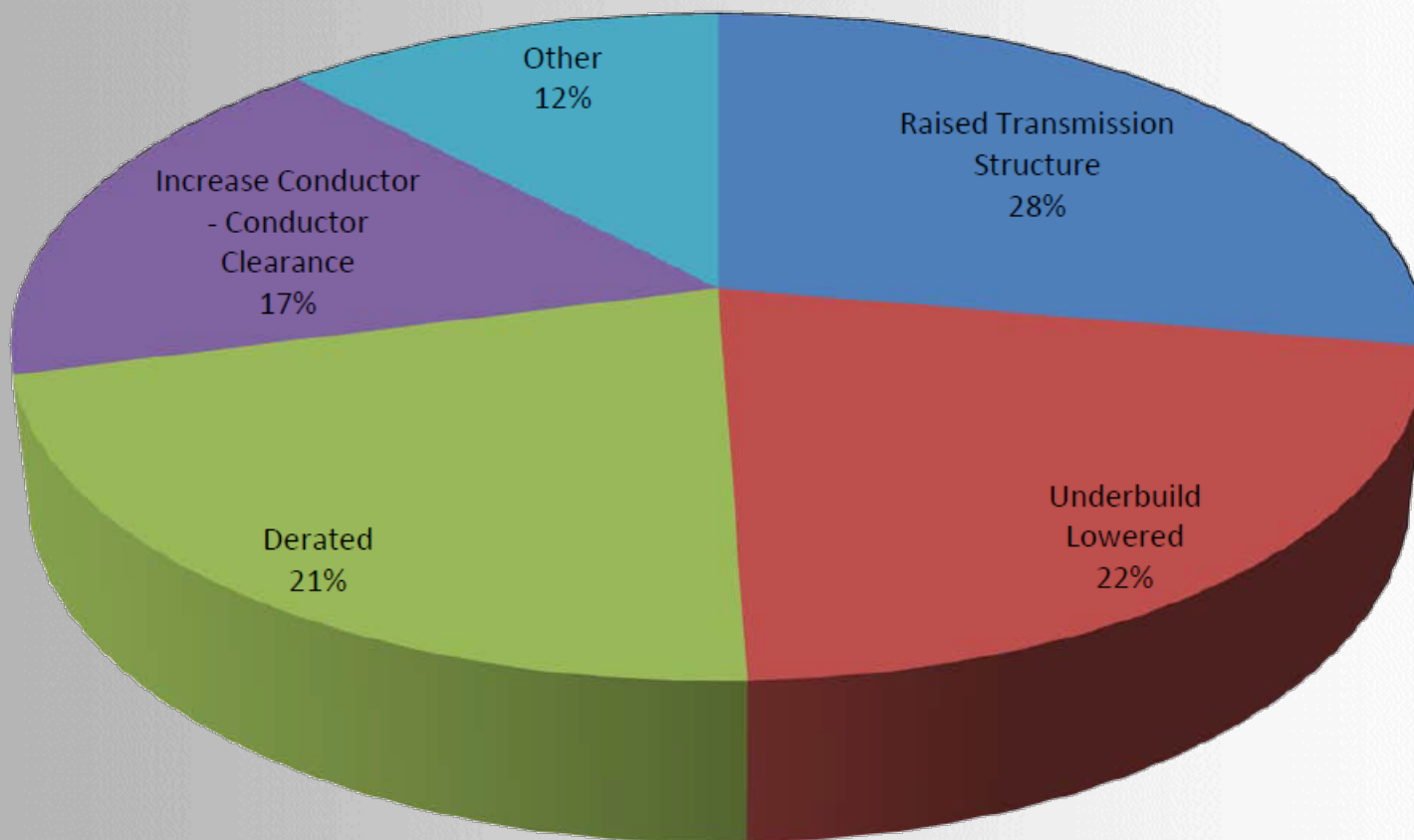


Source: NERC Final FAC Alert Recommendation Update March 2, 2012



# Line Rerating Efforts

## Top 5 Remediation Categories



Source: NERC Final FAC Alert Recommendation Update March 2, 2012





# Line Rerating Efforts

- There are many problems on our 'High Priority' lines.
- Will we have even more problems on our remaining 377,000 miles of 'Lower Priority' lines?
- Live Demonstration of Hypothesis of Significant Problem



45  
MPH

01/16/2007



# Power Line Systems

---

IT'S ALL ABOUT YOUR POWER LINES

Advanced Sag & Tension

IEC

FAC 008/009

NESC

Materials Management

LiDAR Modeling

# PLS-CADD<sup>®</sup>

CSA

Structural Analysis

Distribution

Pole Analysis

CENELEC

Transmission

NERC Ratings

Project Estimating

Line  
Optimization

## Questions?

FAC 003

ASCE

Joint Use

PLS-POLE

Vegetation Management

1000+ Users in 100+ Countries

Storm Hardening

## **POWER LINE<sup>®</sup>**

S Y S T E M S · I N C ·

IEEE

Line Ratings

Madison, Wisconsin 53705, USA

Phone: 608-238-2171 Fax: 608-238-9241

# TOWER

Drafting

info@powline.com

www.powline.com

---

IT'S THE SOLUTION