



Training and Certification Compliance

Glen Boyle, Manager System Operator Training
PJM Interconnection

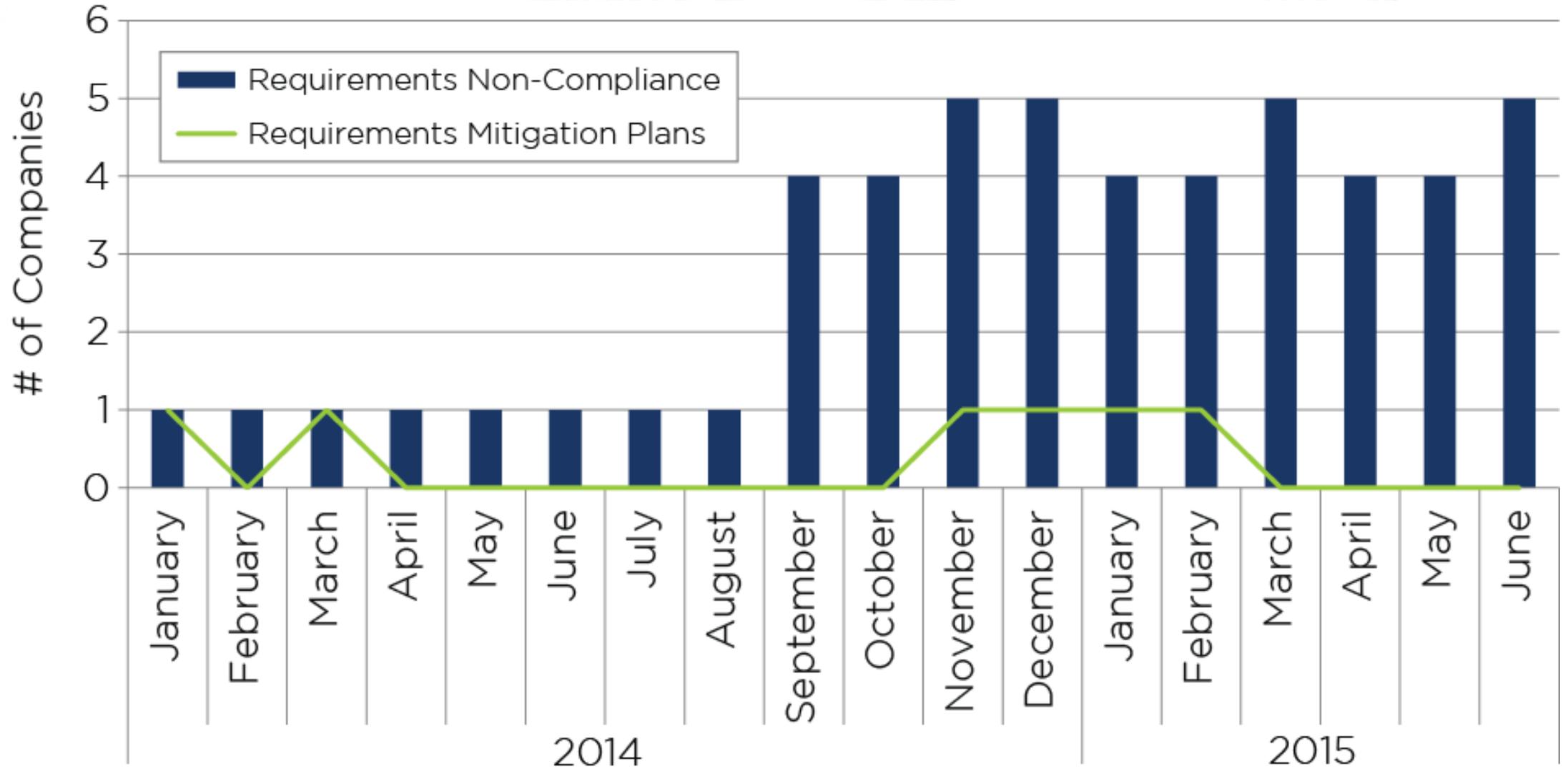
June 9, 2015
Operating Committee

- PJM Certification and Initial/Continuing Training Requirements identified in PJM Manual M-40 (Section 3)
 - TO – PJM Transmission Certification, NERC Certification and Training Requirements
 - MOC Generation Operators – PJM Generation Certification and Training Requirements
 - Small Generation Plant Operators – Initial training, Reduced Continuing Training Requirements
 - » 75 MW or less
 - » No Certification Requirement
 - Demand Response (CSP) – Initial training, Reduced Continuing Training Requirements
 - Energy Storage Devices (ESD) – Initial training, Reduced Continuing Training Requirements

- PJM has seen some increasing and chronic non-compliance with these requirements
 - Both Training and Certification
 - TOs are typically in compliance
- Non-compliant companies must submit “Mitigation Plans”
 - If Mitigation Plan not submitted or adhered to, issue is raised to higher levels of management
 - No financial penalties
- Some companies are repeat offenders or chronic non-responders
- PJM seeing some instances where members are not aware of their operational responsibilities
 - Gen data issues, IRC, SSR, Gen Checkout

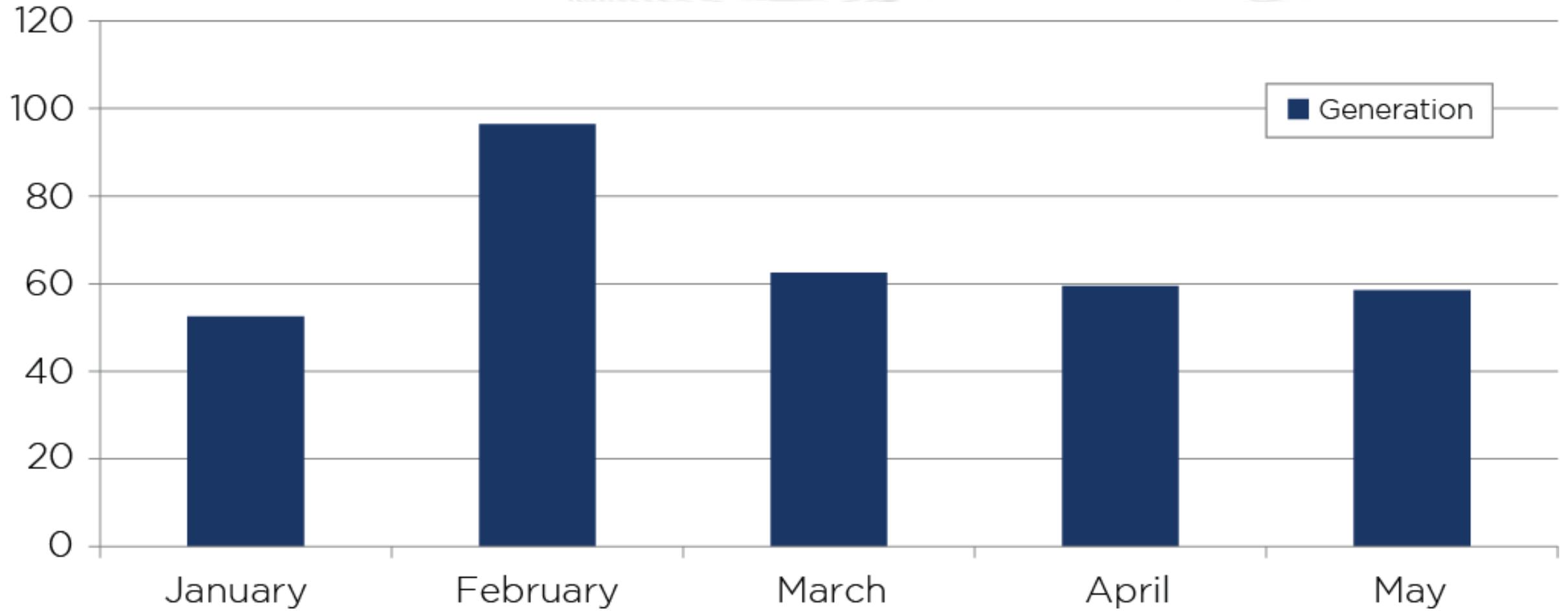
- **Generation**
 - Certification
 - » 10 companies non-compliant (12%)
 - Training
 - » 2 companies non-compliant (3%)
- **CSP**
 - Training
 - » 4 companies non-compliant (17%)
- **Small Generation**
 - Training
 - » 4 companies non-compliant (20%)

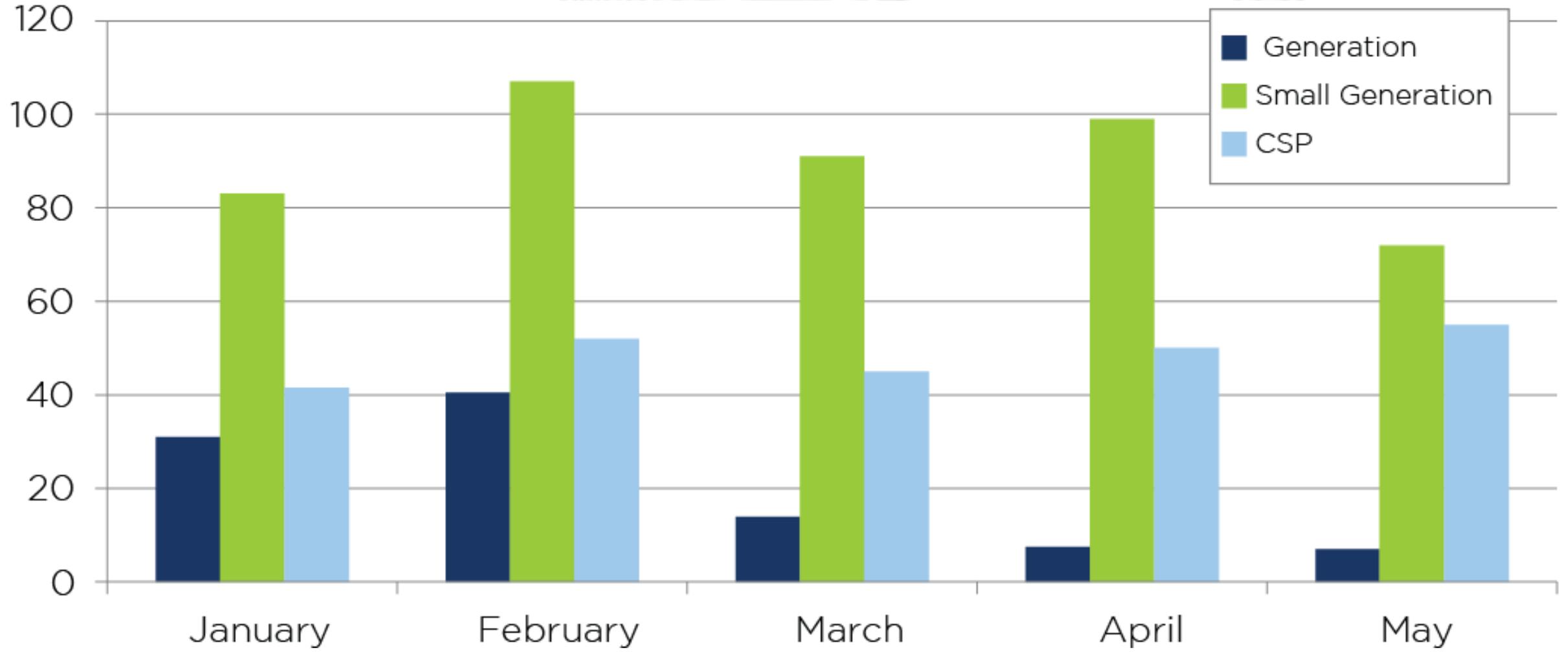


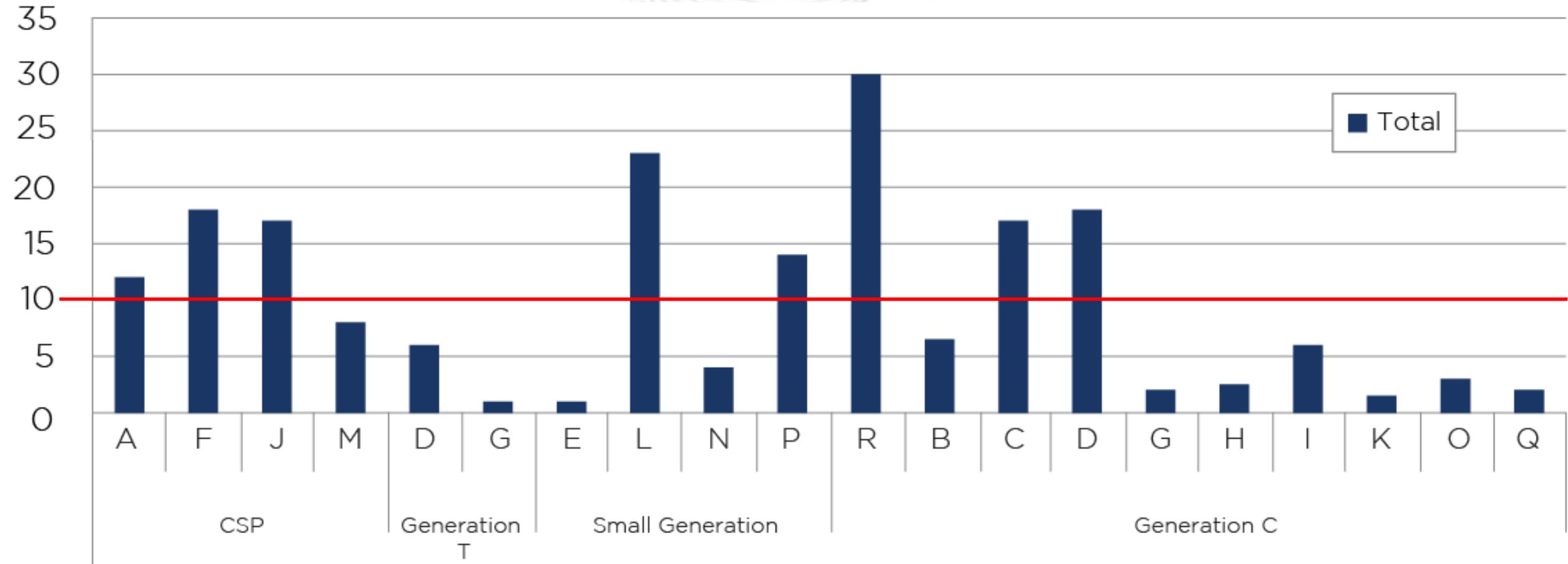




- PJM analyzed data further and created a “Compliance Score” for each company as follows:
 - Individual Score = # of months an individual at company is out of compliance
 - Company Score = Sum of individual scores for that company
- Example if a company has 1 operator out of compliance for 2 months and a second operator out of compliance for 3 months their Compliance Score would be 5







Combined Certification and Training Compliance Score – April 2015

