Insurance Service Office (ISO)
New Public Protection Classification

May 9, 2017

Presentation Overview

- **Introduction of ISO Representatives**
  - **Michael Morash, Manager, ISO Community Hazard Mitigation**
  - **Tom Weber, National Director, Community Hazard Mitigation**
- **Insurance Services Office Presentation**
  - **Report Overview**
- **Fire Rescue's Efforts**
- **Community Benefit**
- **Questions**

Orange County, Florida ISO Presentation

May 9, 2017

ISO
Verisk Insurance Solutions

SERVE | ADD VALUE | INNOVATE

Orange County, Florida

Serviced by

ISO 2017 Grading Report
Effective June 1, 2017

Orange County, Florida

ISO's newest
Class 1 community

ISO Public Protection Classification

- ISO's PPC program accurately measures the effectiveness of public fire protection for structures in 46,200 fire districts across the country
- PPC considers the overall fire suppression service capability relative to the risk in the graded area
- Better fire protection – as measured by the PPC – generally leads to a better loss experience for insured structural damage

Fire Suppression Rating Schedule (FSRS)

- A community fire suppression evaluation, not just a fire department evaluation
- The FSRS is a first alarm schedule
- 105.5 points possible
- Acknowledged and accepted measurement of a community's fire suppression capabilities
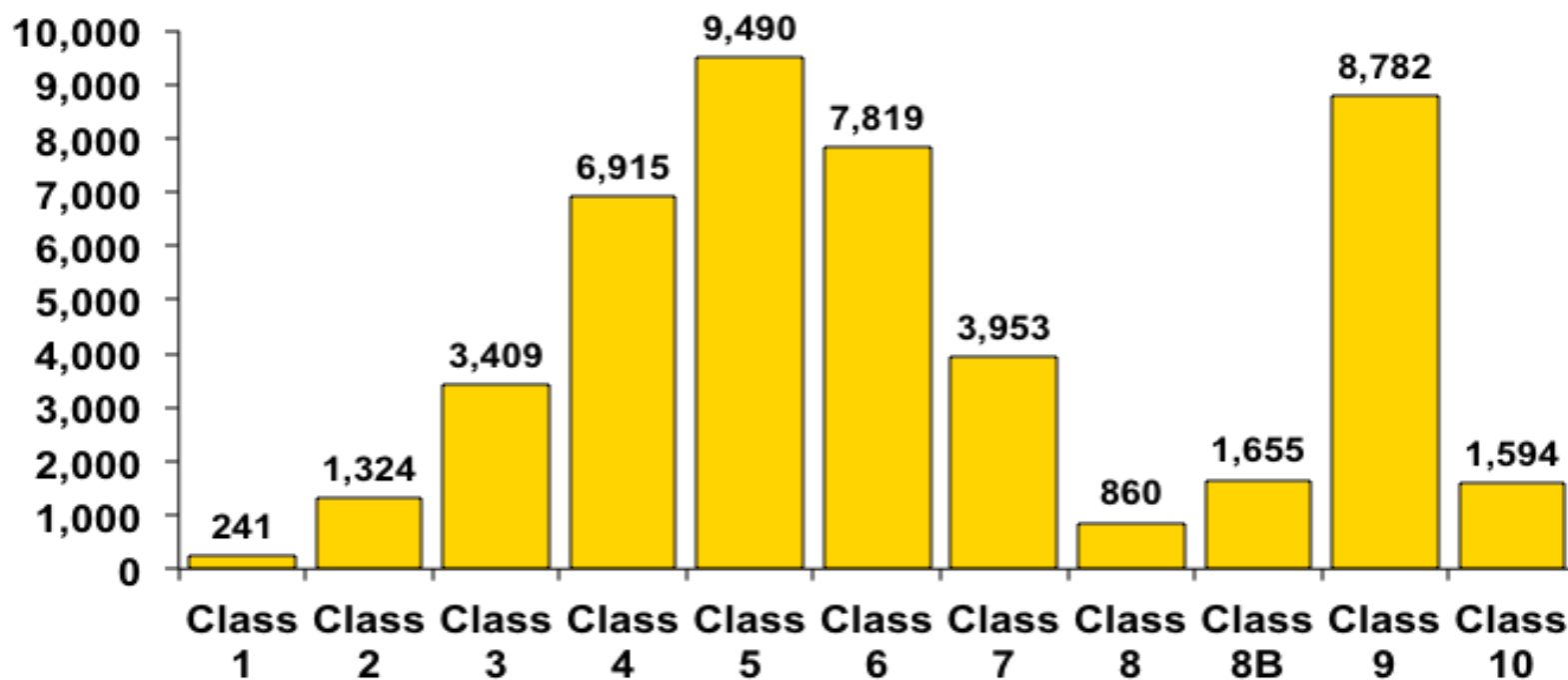- References proven national standards

FSRS Classes 1 to 10

90.00 to 100 + Points = Class **1**

80.00 to 89.99 Points = Class **2**

70.00 to 79.99 Points = Class **3**

60.00 to 69.99 Points = Class **4**

50.00 to 59.99 Points = Class **5**

40.00 to 49.99 Points = Class **6**

30.00 to 39.99 Points = Class **7**

20.00 to 29.99 Points = Class **8**

10.00 to 19.99 Points = Class **9**
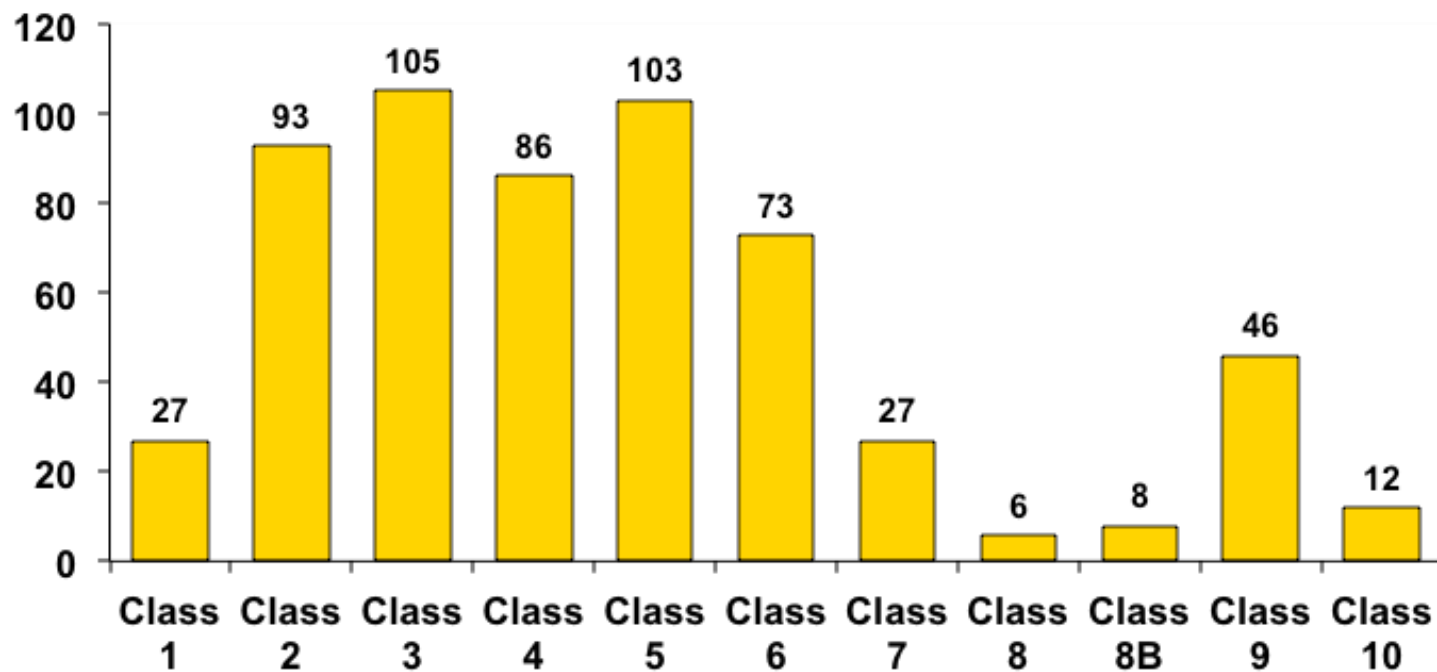
00.00 to   9.99 Points = Class **10**
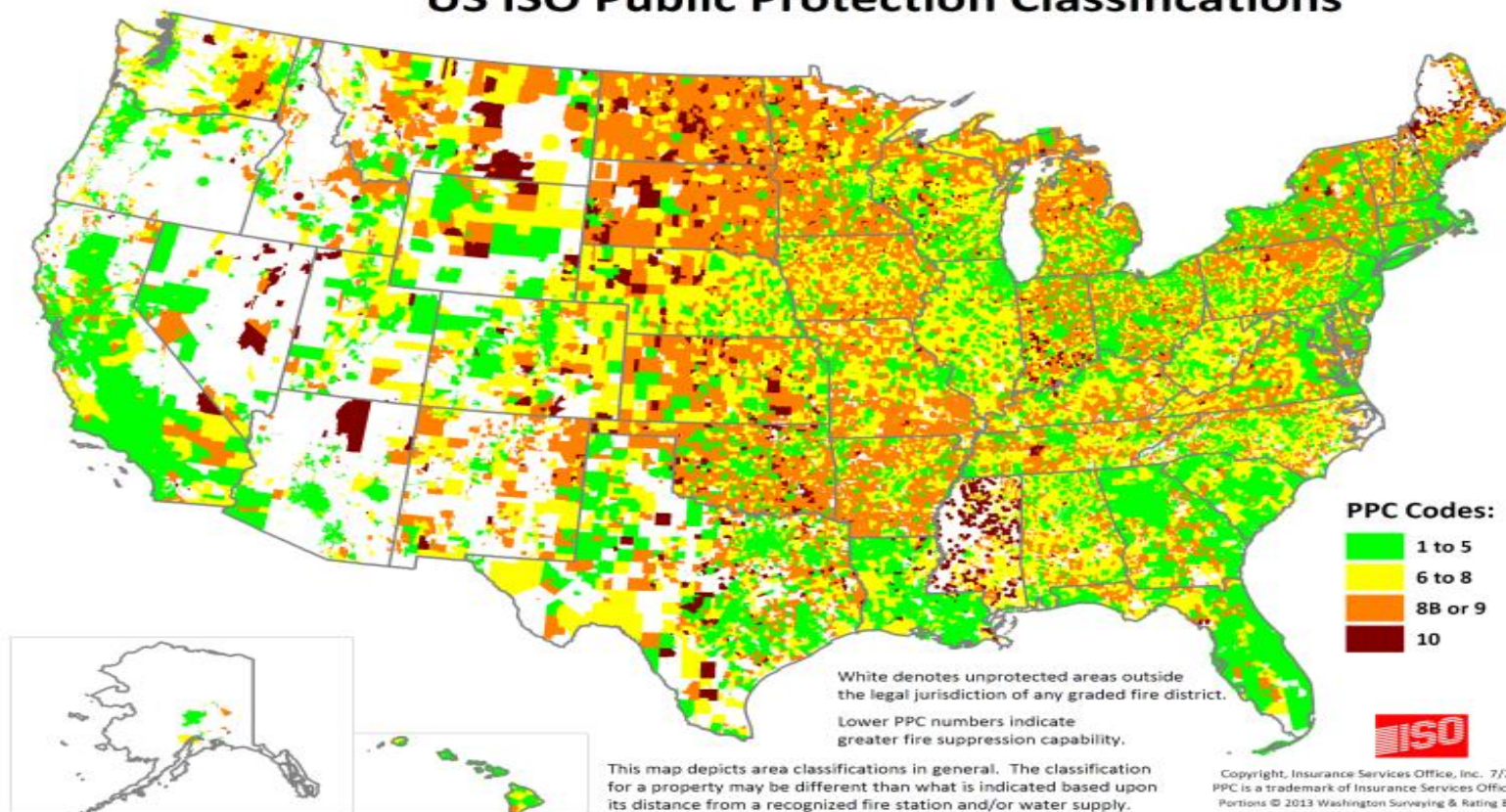
PPC Distribution

Countrywide

PPC Distribution

Florida

PPC Distribution

Emergency Communications

- Emergency Reporting
  - Enhanced, Basic or No 9-1-1 system
  - Computer Aided Dispatch Facilities
  - Alarm receipt and processing at the communication center
- Telecommunicators
  - Training
  - Certification
- Dispatch circuits
  - Available circuits
  - Emergency power
  - Dispatch recording

Emergency Communications

	Earned Credit	Credit Available
414. Credit Emergency Reporting	**3.00**	3
422. Credit for Telecommunicators	**4.00**	4
432. Credit for Dispatch Circuits	**3.00**	3
Item 440. Credit for Emergency Communications:	**10.00**	**10**

Fire Department

- Equipment on apparatus
  - Fire Engines
  - Reserve Engines
  - Pump Capacity
  - Ladder Service
  - Reserve Ladder Service
- Deployment Analysis
- Company Personnel
- Training
- Operational Considerations

Fire Department

	Earned Credit	Credit Available
513. Credit for Engine Companies	**6.00**	6
523. Credit for Reserve Pumpers	**0.42**	0.5
532. Credit for Pumper Capacity	**3.00**	3
549. Credit for Ladder Service	**2.18**	4
553. Credit for Reserve Ladder and Service Trucks	**0.50**	0.5
561. Credit for Deployment Analysis	**5.39**	10
571. Credit for Company Personnel	**13.06**	15
581. Credit for Training	**8.98**	9
730. Credit for Operational Considerations	**2.00**	2
Item 590. Credit for Fire Department:	**41.53**	**50**

Community Risk Reduction

- Fire prevention Code Adoption and Enforcement

  – Code adoption and regulations
  – Fire Prevention Staffing, Training / Certification
  – Fire Prevention Programs

- Public Fire Safety Education
  – Educator qualifications / training
  – Fire safety programs

- Fire Investigation
  - Fire investigation Organization and Staffing
  - Fire investigator Certification and Training
  - Use of the National Fire Incident Reporting System

Community Risk Reduction

	Earned Credit	Credit Available
1025. Credit for Fire Prevention and Code Enforcement (CPCE)	**2.16**	2.2
1033. Credit for Public Fire Safety Education (CFSE)	**1.56**	2.2
1044. Credit for Fire Investigation Programs (CIP)	**1.10**	1.1
Item 1050. Credit for Community Risk Reduction	**4.82**	**5.50**

Water Supply

- Adequacy of water supply
- Hydrant, size, type & installation
- Inspection and fire flow testing of hydrants

	Earned Credit	Credit Available
616. Credit for Supply System	**26.60**	30
621. Credit for Hydrants	**2.99**	3
631. Credit for Inspection and Flow Testing	**7.00**	7
Item 640. Credit for Water Supply:	**36.59**	**40**

Summary of PPC Review

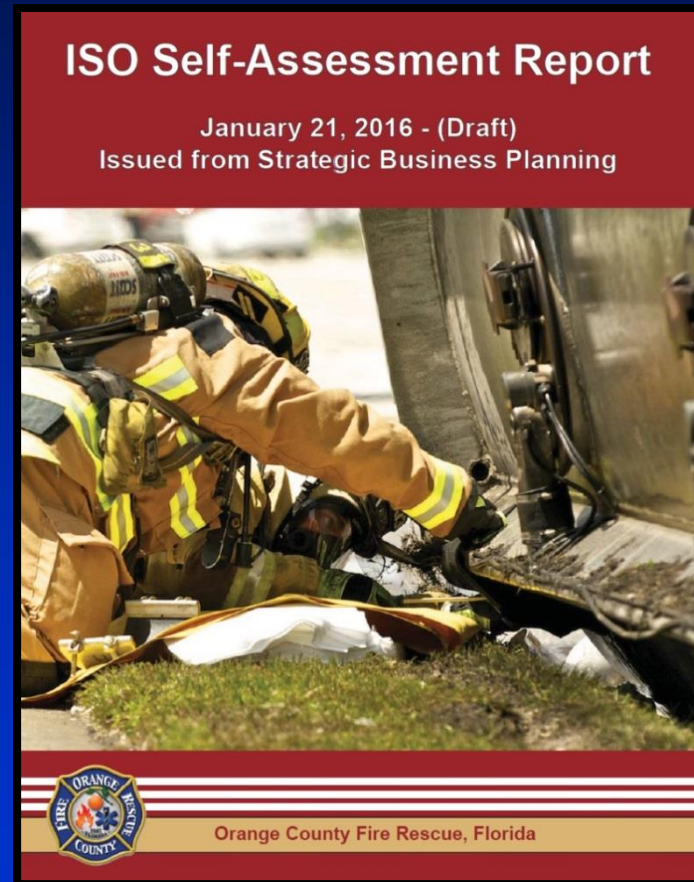| FSRS Item	Earned Credit	Credit Available
Emergency Communications		
414. Credit for Emergency Reporting	3.00	3
422. Credit for Telecommunicators	4.00	4
432. Credit for Dispatch Circuits	3.00	3
440. Credit for Emergency Communications	10.00	10
Fire Department		
513. Credit for Engine Companies	6.00	6
523. Credit for Reserve Pumpers	0.42	0.5
532. Credit for Pumper Capacity	3.00	3
549. Credit for Ladder Service	2.18	4
553. Credit for Reserve Ladder and Service Trucks	0.50	0.5
561. Credit for Deployment Analysis	5.39	10
571. Credit for Company Personnel	13.06	15
581. Credit for Training	8.98	9
730. Credit for Operational Considerations	2.00	2
590. Credit for Fire Department	41.53	50
Water Supply		
616. Credit for Supply System	26.60	30
621. Credit for Hydrants	2.99	3
631. Credit for Inspection and Flow Testing	7.00	7
640. Credit for Water Supply	36.59	40
Divergence	-1.68	--
1050. Community Risk Reduction	4.82	5.50
Total Credit	91.26	105.5

Presentation Overview

- **Introduction of ISO Representatives**
  - Michael Morash, Manager, ISO Community Hazard Mitigation
  - Tom Weber, National Director, Community Hazard Mitigation
- **Insurance Services Office Presentation**
  - Report Overview
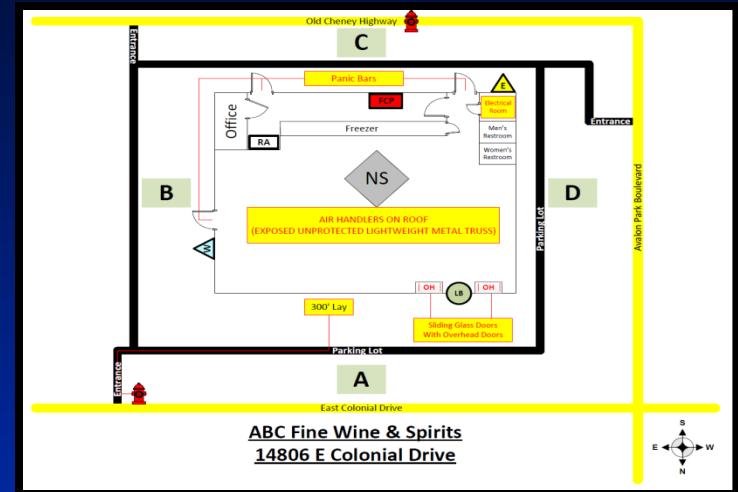- **Fire Rescue's Efforts**
- **Community Benefit**
- **Questions**

Internal Assessment

- **Planning & Technical Services Conducted a Self-Assessment Report**
  - Report Was Updated Throughout the Preparation Process
  - Self-Assessment Contained 19 Specific Recommendations for Improvement

ISO Self-Assessment Report

January 21, 2016 - (Draft)
Issued from Strategic Business Planning

Orange County Fire Rescue, Florida

Fire Rescue's Efforts

- **Records Management System for Pre-Fire Plans**
  - **Conducted Over 10,000 Pre-Fire Plans on Commercial Buildings**

Fire Rescue's Efforts

- **Improved Rural Water Supply Tanker Shuttles**

- **Trained on Extended Supply Hose Evolutions up to 2500 Feet**

- **Improved Static Water Supply Capabilities**
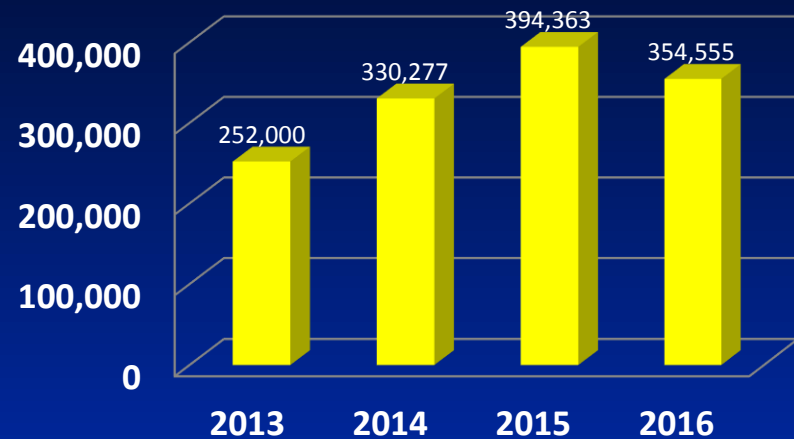
Fire Rescue's Efforts
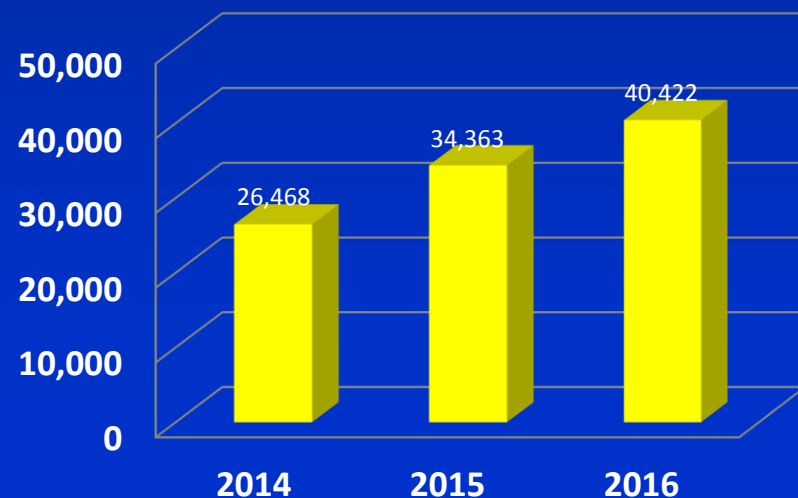
- **Increased Training Hours**
  - **Company Level Training**
  - **Recognized Facility Training**
    - **Live Burns**
    - **Multi-Company**
    - **Night Training**

Total Training Hours

Year	Hours
2013	252,000
2014	330,277
2015	394,363
2016	354,555

Facility Training Hours

Year	Hours
2014	26,468
2015	34,363
2016	40,422

Fire Rescue's Efforts

- **Implemented a 911 Protocol for Fire Emergencies**

  - Standard Method to Answer Calls

  - Logic Based Selection of Resources

  - Pre-Arrival Instructions

  - Post-Dispatch Instructions

Fire Rescue's Efforts

- **Aerial Units for Improved Aerial Compliance**
- **Partnered with Orange County Public Schools**
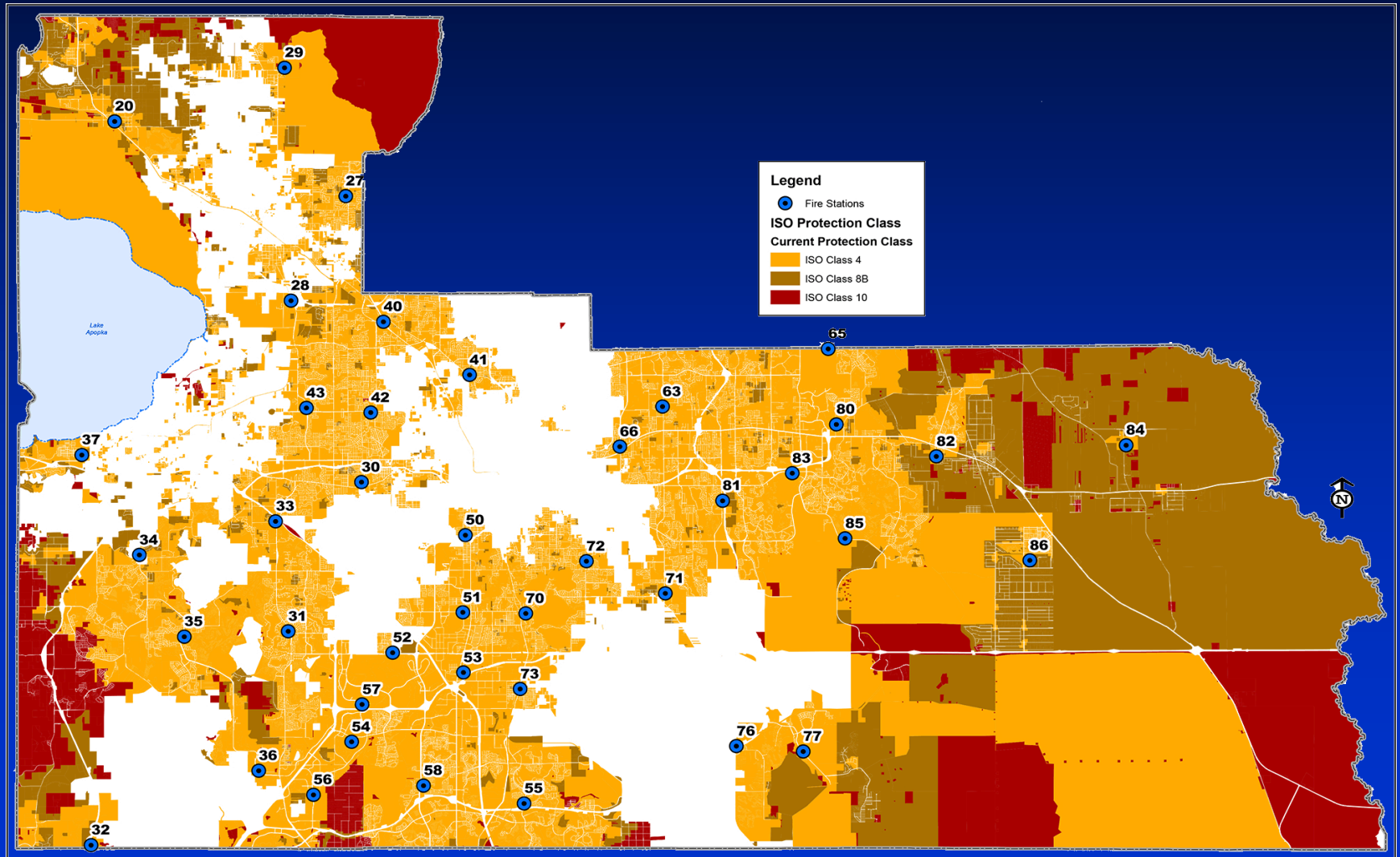- **Fire prevention Education for K through 12 Grade Students**

THE FIRE PREVENTION MISSION

COMMUNITY
+
EDUCATION
=
LIVES
SAVED

Presentation Overview

- **Introduction of ISO Representatives**
  - Michael Morash, Manager, ISO Community Hazard Mitigation
  - Tom Weber, National Director, Community Hazard Mitigation
- **Insurance Services Office Presentation**
  - Report Overview
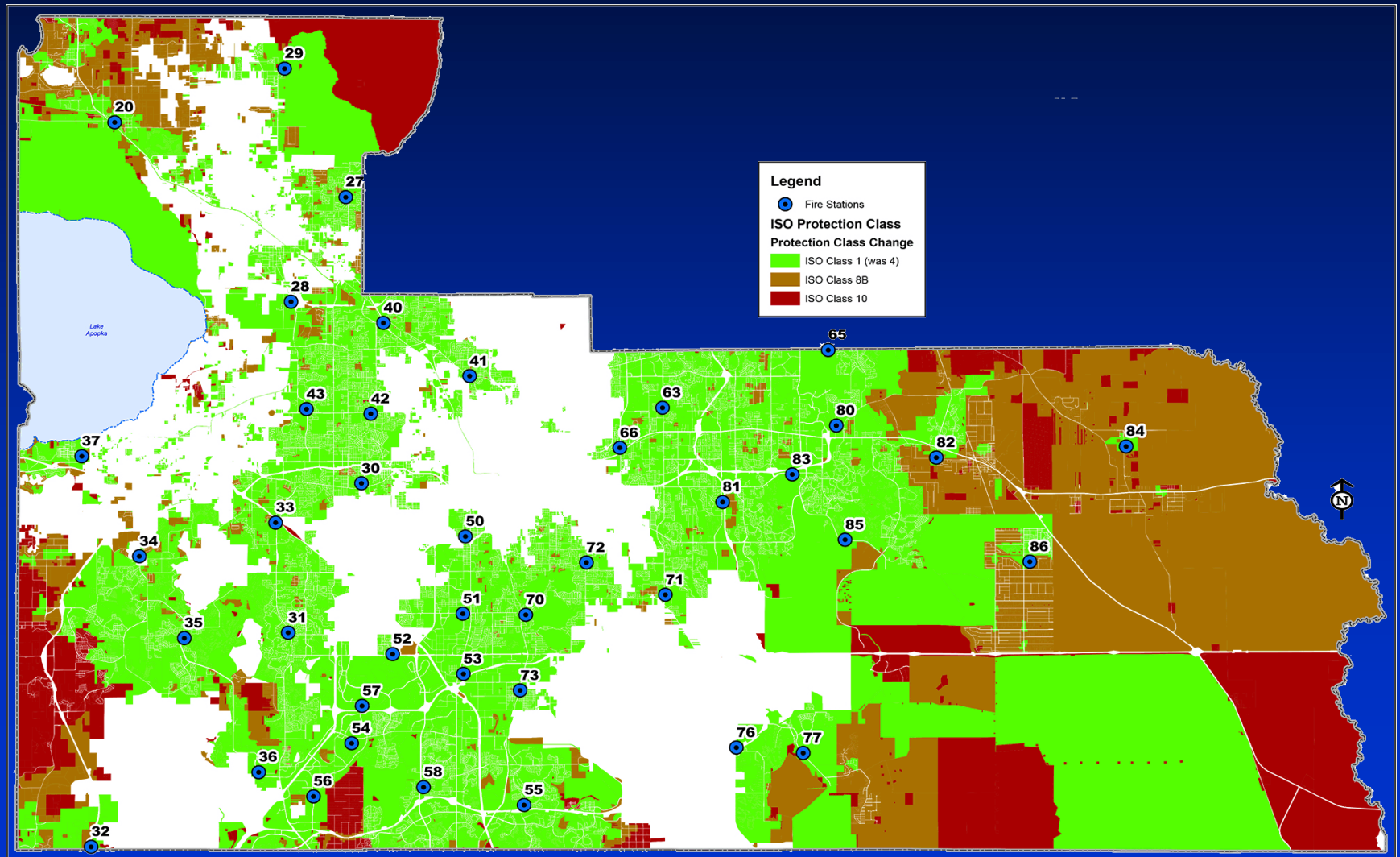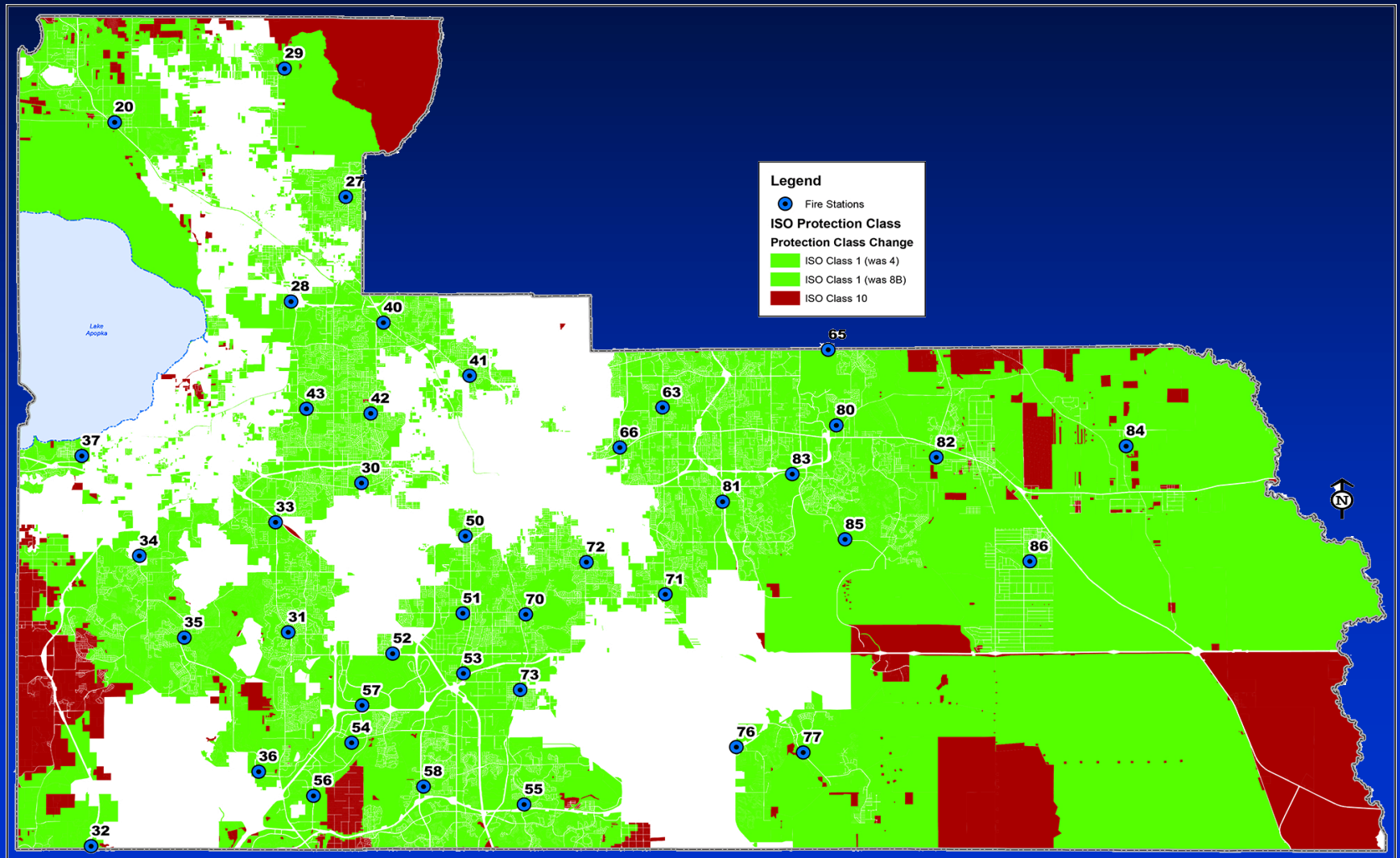- **Fire Rescue's Efforts**
- **Community Benefit**
- **Questions**

ISO PPC Class 4 to Class 1

ISO PPC Class 8B to Class 1

Legend
● Fire Stations
ISO Protection Class
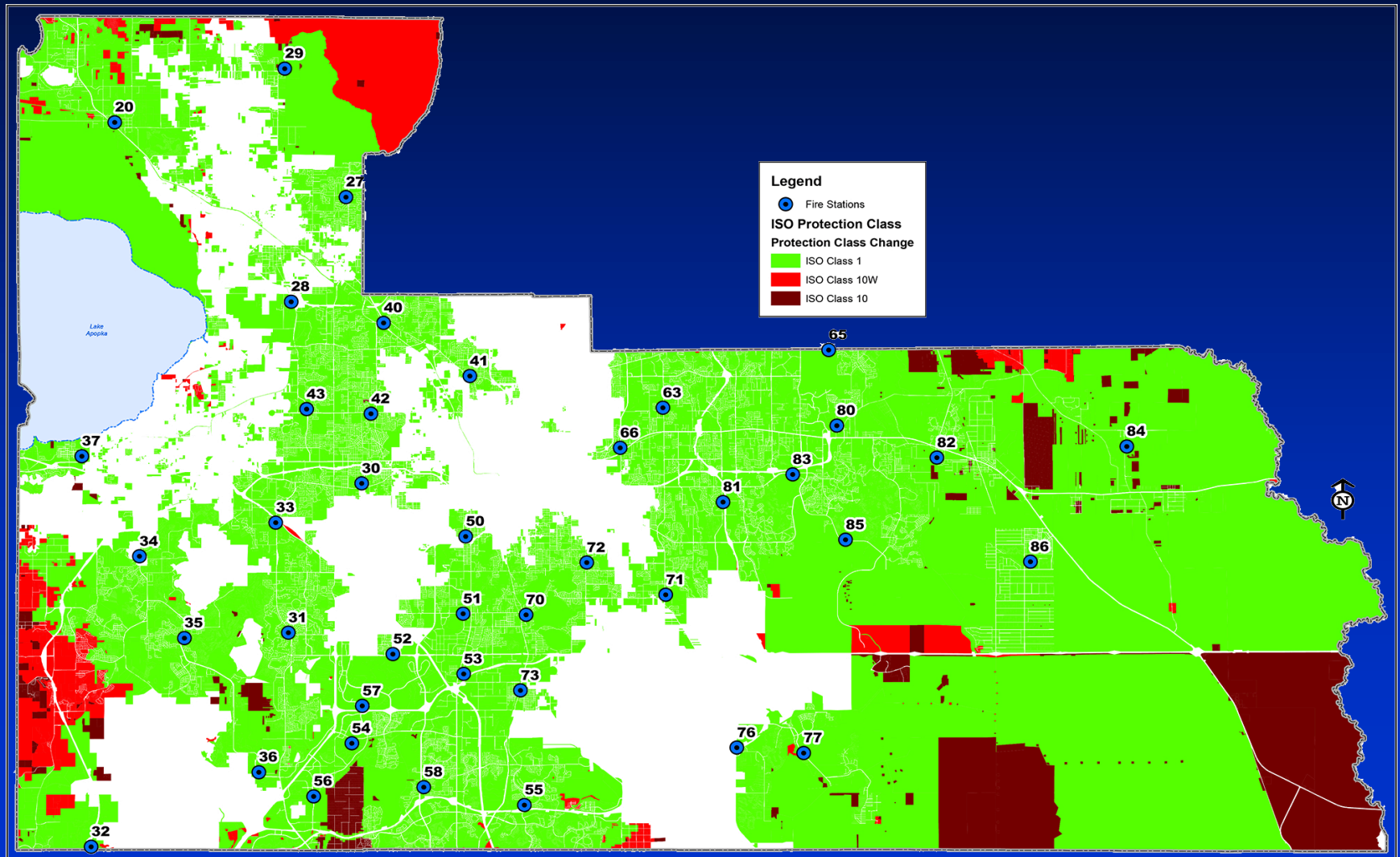**Protection Class Change**
- ISO Class 1 (was 4)
- ISO Class 1 (was 8B)
- ISO Class 10

ISO PPC Class 10 to Class 10W

Next Steps

- **ISO Will Be Back Every 4 Years for Another Site Visit**

- **Continued Focus on Training**

- **Increase Number of Fire Stations to Improve NFPA 1710 Compliance**

- **Replace 3 Engines With 3 Aerials**

- **Increase Community Risk Reduction Services**
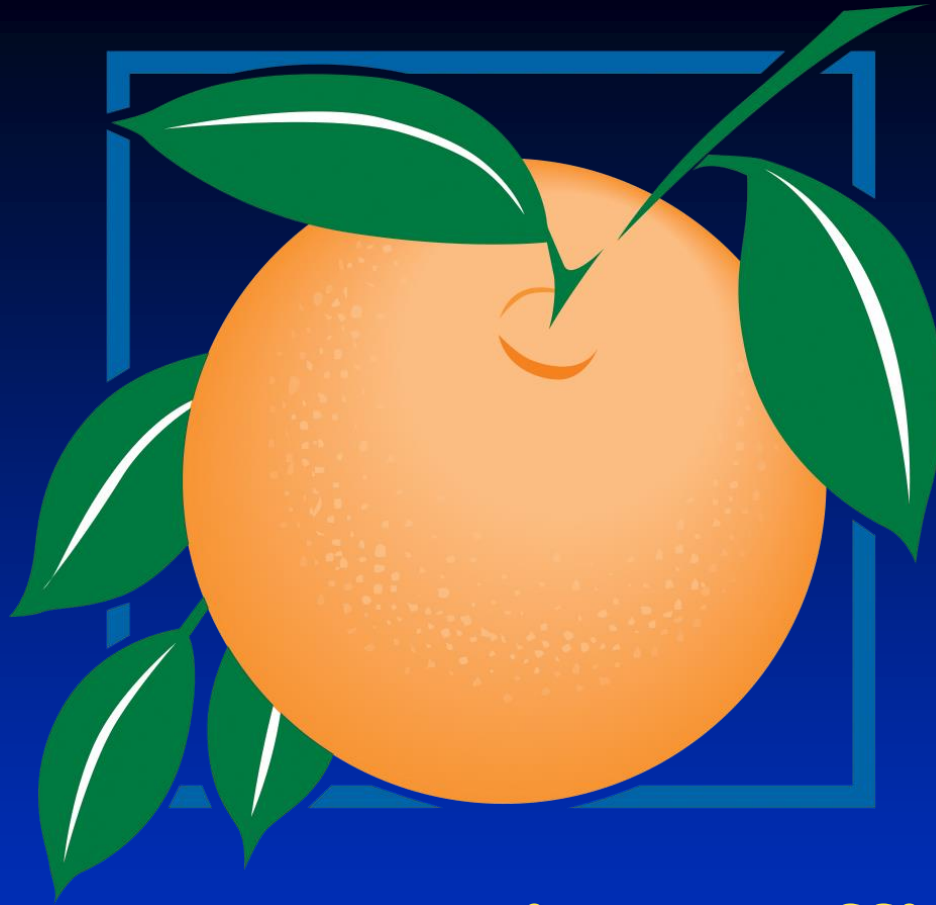
Presentation Overview

- **Introduction of ISO Representatives**
  - Michael Morash, Manager, ISO Community Hazard Mitigation
  - Tom Weber, National Director, Community Hazard Mitigation
- **Insurance Services Office Presentation**
  - Report Overview
- **Fire Rescue's Efforts**
- **Community Benefit**
- **Questions**

Questions

Insurance Service Office (ISO)
New Public Protection Classification

May 9, 2017