

The 2012 Fire Suppression Rating Schedule (FSRS)

Summary of Changes to Fire Prevention, Public
Safety Education and Fire Investigation Programs

June 2, 2017 – Lafayette, Louisiana

How to Get a Copy of the FSRS

Only FIRE CHIEFS may request a free copy of the FSRS.

Submit (via e-mail only) an ATTACHED request letter written on fire department letterhead to Blaine Rabe` at brabe@pial.org . The body of the letter must contain the chief's email address. PIAL will validate the requestor's status as Fire Chief and forward the request to ISO. ISO will email you a copy of the schedule.

Other Handy Documents

- Louisiana Addendum to the Fire Suppression Rating Schedule
 - Available as a free download from the PIAL Website or from any PIAL Field Rep
- Other Products Available at the PIAL Website:
 - Municipal Division
 - Hydrant Flow Rate Calculator
 - Tanker Delivery Estimator
 - Apparatus Inventory Information
 - FAQs
- AWWA Manuals 17 (Hydrants) & **32 (Hydraulic Modeling)**
- NFPA Standards

Why Change?

- Previous schedule copyrighted in 1980
- New schedule copyrighted 2012
 - Reflects the current recognized and accepted standards developed by national standards organizations;
 - Recognizes utilization of advanced technology and best practices in fire mitigation; and
 - Confirms the predictive capability of the evaluation and classification structure.

Community Risk Reduction

This is a new section that includes all of what PIAL has previously offered as “bonus” credit in their “Credit for Public Fire Control Programs” and more....

General Changes

- Section 105 – Calculations
 - **Credit is limited to 75% of the points possible when only partial documentation of an item exists.**
 - **When no documentation of an item exists to substantiate an item being reviewed, no credit will be given.**

Community Risk Reduction

Credits are Divided into 3 Areas:

1. Section 1020
Fire Prevention 40% (2.2 points)
NOTE: Section 1020 credits are only available to those agencies for whom the LA OSFM has identified to PIAL as having “Recognized Fire Prevention Bureaus”
2. Section 1030
Public Fire Safety Education 40% (2.2 points)
3. Section 1040
Fire Investigations 20% (1.1 points)

Community Risk Reduction - Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Code Adoption & Enforcement** **10 pts**
- **Staffing** **8 pts**
- **Certification** **3 pts**
- **Continuing Education** **3 pts**
- **Plan Reviews** **6 pts**
- **Residential Certificates of Occupancy** **2 pts**
- **Commercial Certificates of Occupancy** **2 pts**
- **QA for Fire Inspection Programs** **1 pts**
- **Code Compliance Follow-Up** **1 pts**
- **Inspection of Private Fire Protection Equipment** **1 pts**
- **Fire Prevention Ordinances** **2 pts**
- **Coordination with Pre-Planners** **1 pts**

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Code Regulations (PCR) (up to..10 pts)**
 - **FSRS:** NFPA 1, *Fire Code*;
 - **FSRS:** ICC International Fire Code
 - **ADDENDUM:** IAW LA RS 40:1578.6: Only those who have adopted NFPA 1 & NFPA 101, *Life Safety Code* may receive credit in the 1020 sections.
 - **EXCEPTION TO LOCAL ADOPTION OF NFPA 1:** In addition to NFPA 101, the jurisdiction adopted the Southern Fire Prevention Code (now known as the ICC International Fire Code) Prior to July 9, 1999

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Date of Adopted Code Determines Credit**

- | | |
|-------------------|----------|
| • Within 5 years | 10 pts |
| • Within 6 years | 8.6 pts |
| • Within 10 years | 2.76 pts |
| • Earlier edition | 1.06 pts |

- **Provide a copy of the ordinance adopting the codes to receive credit.**

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Staffing (PS) (up to.....8 pts)**
 - **FSRS:** Must have enough personnel to perform fire prevention inspections on all nonresidential structures at least once a year.
 - **FSRS:** For the purposes of this credit, Pre-incident planning with no component for fire prevention code enforcement are not fire prevention inspections.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Staffing (PS) (up to.....8 pts)**
- **Who can do Fire Prevention Inspections?**
 - **FSRS:** Certified Fire Inspectors
 - **FSRS:** State or Parish fire prevention inspectors or fire marshals with authority for fire prevention code enforcement
 - **FSRS:** Fire suppression personnel who perform in-service fire prevention inspections.
 - **LA Addendum:** Only Certified Fire Inspectors working within an authorized fire prevention bureau who have been issued a Fire Inspector Card from the LA Office of the State Fire Marshal.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Staffing (PS) (up to.....8 pts)**
- **Credit is based on # of Buildings Inspected**
 - PIAL will select a random list of commercial buildings for which fire prevention files will be reviewed.
 - This may include dwelling occupancies with 5 or more units.

$$\text{FSRS: PS} = \frac{\text{Number of Non-Residential Structures Inspected Annually}}{\text{Number of Non-Residential Structures}} \times 8$$

$$\text{Addendum: PS} = \frac{\text{Number of Requested Structures Inspected Annually}}{\text{Number of Requested Structures}} \times 8$$

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Certification and Training (PCT)**
(up to..... 6 pts)
- **Fire Inspector Certification (PIC) (up to..... 3 pts)**
 - **FSRS:** All personnel assigned to perform fire prevention inspections shall be certified as fire inspector in accordance with the general criteria of NFPA 1031, *Standard for Professional Qualifications for Fire Inspector and Plan Examiner*, or equivalent ICC certification.
 - **LA Addendum:** Licensure as Certified Fire Prevention Inspectors issued by the Office of the Louisiana State Fire Marshal is acceptable documentation of certification. (Other documentation such as IFSAC or Pro-Board may be acceptable.)

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Certification and Training (PCT)**
(up to..... 6 pts)
- **Fire Inspector Continuing Education (PIE) (up to....3 pts)**
 - **FSRS:** All fire prevention inspection personnel must receive at least 24 hours of additional fire prevention inspection continuing education every year.
 - **LA Addendum:** No further guidance.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Certification and Training (PCT)**
(up to..... 6 pts)

Credit Calculations

- **Fire Inspector Certification (PIC) (up to..... 3 pts)**

$$PIC = \frac{\textit{Total \# of Certified Inspectors}}{\textit{Number of Inspectors}} \times 3$$

- **Fire Inspector Continuing Education (PIE) (up to....3 pts)**

$$PIC = \frac{\textit{Average \# of CE Hours}}{24} \times 3$$

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)
 - Code Compliance Follow-Up (PCF) (up to..... 1 pt)
 - Inspections of Private Fire Protection Equipment (PPP) (up to..... 1 pt)
 - Fire Prevention Ordinances (PPO) (up to..... 2 pts)
 - Coordination with Fire Department Training and Pre-Incident Planning (PTP) (up to..... 1 pt)

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - **Plan Review (up to.....6 pts)**
 - RS 40:1574 requires the OSFM to conduct plan review of all new construction and/or remodeling of commercial buildings. Use of agencies other than the LA OSFM to perform plan reviews is not creditable.
 - This is an “all or nothing credit”.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - **Certificate of Occupancy Inspections (up to.....4 pts)**
 - **FSRS:** The JURISDICTION must perform inspections for certificates of occupancy (or certificates of compliance) as specified by the code in effect.
 - **LA Addendum:** No further guidance, but these do not have to be done by the fire department....
 - Residential CO's..... 2 pts
 - Non-residential CO's..... 2 pts

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - **Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)**
 - **FSRS:** The jurisdiction must have a quality-assurance program that applies to all fire prevention code inspectors as appropriate for their position.
 - **LA Addendum:** No further guidance.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)
- **Code Compliance Follow-Up (PCF) (up to..... 1 pt)**
 - **FSRS:** The jurisdiction must perform follow-up inspections to verify correction of all violations.
 - **LA Addendum:** No further guidance.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)
 - Code Compliance Follow-Up (PCF) (up to..... 1 pt)
- **Inspections of Private Fire Protection Equipment (PPP)**
(up to..... 1 pt)
 - **FSRS:** The jurisdiction must perform routine inspections of all private fire protection equipment.....
 - **LA Addendum:** Fire prevention inspections must include verification that 3rd-party inspectors of Private Fire Protection equipment are utilizing the state mandated Equipment Condition Tagging System.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)
 - Code Compliance Follow-Up (PCF) (up to..... 1 pt)
 - Inspections of Private Fire Protection Equipment (PPP) (up to..... 1 pt)
- **Fire Prevention Ordinances (PPO) (up to..... 2 pts)**
 - **FSRS:** the jurisdiction must adopt ordinances governing fire lanes, fireworks, hazardous material routes, barbecue grills and the wildland urban interface or weeds and trash.
 - **LA Addendum:** Provide copies of the ordinances.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Areas (40 points possible)

- **Fire Prevention Programs (PCT) (up to.....16 pts)**
 - Plan Review (up to.....6 pts)
 - Certificate of Occupancy Inspections (up to.....4 pts)
 - Quality Assurance Program for Enforcement and Inspection Programs (PQC)..... 1 pt)
 - Code Compliance Follow-Up (PCF) (up to..... 1 pt)
 - Inspections of Private Fire Protection Equipment (PPP) (up to..... 1 pt)
 - Fire Prevention Ordinances (PPO) (up to..... 2 pts)
 - **Coordination with Fire Department Training and Pre-Incident Planning (PTP) (up to..... 1 pt)**
 - **FSRS:** There should be a defined plan to share info.
 - **LA Addendum:** Provide a copy of the plan or ordinance.

Community Risk Reduction – Fire Prevention

Section 1020 – Credit Calculations

- Fire Prevention Programs (PCT)

$$PCT = PPR + PCO + PQC + PCF + PPP + PPO + PTP$$

- Credit for Fire Prevention Code and Enforcement (CPCE)

$$CPCE = \frac{PCR + PS + PCT + PCP}{40} \times 2.2$$

Questions????

Community Risk Reduction - Public Fire Safety Ed.

Section 1030 – Credit Areas (40 points possible)

- **Public Fire Safety Educators Qualifications & Training**
 - Public Fire Safety Educator's Fire Safety Education Course 5 pts
 - Public Fire Safety Educator's Continuing Education 5 pts
- **Public Fire Safety Education Programs**
 - Residential Fire Safety Programs 10 pts
 - Fire Drills in Pre-K thru 12th Grade Schools 5 pts
 - Classroom Instruction in Pre-K thru 3rd Grades 5 pts
 - Juvenile Firesetter Intervention Program 5 pts
 - Fire Safety Ed for Occupancies Having Large Loss Potential 5 pts

Section 1031 – Public Fire Safety Educators Qualifications and Training (FSQT): Up to.....10 pts

Public Fire Safety Educator's Fire Safety Education Course (FSEC)

5 pts

- **FSRS:** All public fire safety education personnel must be trained in methods of teaching as specified by the authority having jurisdiction, in accordance with the general criteria of NFPA 1035, *Standard for Professional Qualifications for Fire and Life Safety Educator, Public Information Officer, and Juvenile Firesetter Intervention Specialist*.
- **LA Addendum:** Documentation of qualifications to teach fire safety education courses must be submitted to PIAL with the grading questionnaire. Documentation may include Instructor I Certification.

Section 1031 – Public Fire Safety Educators Qualifications and Training (FSQT): Up to.....10 pts

Public Fire Safety Educator’s Continuing Ed. (FSCE) Up to.....5 pts

- **FSRS:** All public fire safety education personnel must participate in continuing education in public fire safety education techniques and processes. They must receive at least 10 hours of additional work-related training each year.

- **LA Addendum:** Teaching or participation as a presenter of public fire safety education classes does not qualify as continuing education.

Section 1031 – Public Fire Safety Educators Qualifications and Training (FSQT): Up to.....10 pts

Credit Calculations

- Credit for Fire Safety Education Course (FSEC) 5 pts
- Credit for Fire Safety Continuing Ed. Course (FSCE) 5 pts

$$FSCE = \frac{\text{Average \# of Hours of CE per Educator}}{10} \times 5$$

$$FSQT = FSEC + FSCE$$

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Residential Fire Safety Programs (FSRP).....10 pts**
 - **FSRS:** Effectiveness of the residential fire safety program is based on the % of the population reached annually
 - **LA Addendum:** Departments should have an established program for conveying fire safety information to the public. Program documentation and evidence of use must be submitted to PIAL with the grading questionnaire.
 - Includes all areas of contact...residential, commercial, schools, hospitals and nursing homes

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

Credit Calculation

Residential Fire Safety Programs (FSPR).....10 pts

$$FSPR = \frac{\textit{Population Contacted}}{\textit{Total Population}} \times 10$$

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- Fire Safety Education in Schools (Private and Public, Early Childhood Education through Grade 12) (FSPS) Up to.....10 pts**
- There are two credit areas in this section:**
 - Fire Drills (up to.....5 pts)
 - Classroom Instruction (up to.....5 pts)

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Fire Safety Education in Schools Up to.....10 pts**

- **Fire Drills**

- **FSRS:** Each school must conduct 1 fire exit drill, in accordance with the general criteria of NFPA 101, *Life Safety Code*, or the ICC International Fire Code each month that the campus is in session.

Up to.....5 pts

- **LA Addendum:** No further guidance.

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Fire Safety Education in Schools Up to.....10 pts**

- **Classroom Instruction:**

- **FSRS:** Each school must present developmentally appropriate classroom instruction on fire safety to all students in early childhood education

- Up to.....5 pts

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Fire Safety Education in Schools**

- **Classroom Instruction:**

- **LA Addendum:** Documentation of teaching fire safety education to all students in early childhood education (ECE) programs (Pre-K through 3rd grade) must be submitted to PIAL with the grading questionnaire. All public and private schools teaching Pre-K through 3rd grade students require fire safety education curriculum to earn this credit. Private daycare facilities that do not provide educational services are excluded. These lessons are presented by certified school teachers within the schools located in the graded area. Suitable documentation may include copies of curriculum requirements, lesson plans, or signed statements from school administrators.

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Juvenile Firesetter Intervention Program (FSPJ)**
(Up to..... 5 pts)

- **FSRS:** The program should refer all juveniles identified as involved in fire-play or firesetting behavior for educational intervention and/or other intervention services.

- **LA Addendum:** No further guidance in this document

- Proof of referral is not required. Credit is based on the existence of a process or program for referral.

Section 1032 – Public Fire Safety Education Programs (FSP): Up to.....30 pts

- **Fire Safety Education Program for Occupancies Having Large Loss Potential or Hazardous Conditions (FSPL) (Up to.....5 pts)**
 - **FSRS:** Evaluate the fire safety education in occupancies that have large loss potential or hazardous conditions as identified by the authority having jurisdiction.
 - **LA Addendum:** A list of properties within the graded area identified by the AHJ as having large loss potential or hazardous conditions must be submitted to PIAL with the grading questionnaire.
- At the time of PIAL’s field visit, records of fire safety education programs conducted at these properties will be reviewed.

Section 1032 – Public Fire Safety Education

Programs (FSP): Up to.....30 pts

- Residential Fire Safety Program (FSRP)..... 10 pts
- Fire Safety Education in Schools (FSPS)..... 10 pts
- Juvenile Firesetter Intervention Program (FSPJ)... 5 pts
- Fire Safety Education Program for Occupancies Having Large Loss Potential or Hazardous Conditions (FSPL) Up to..... 5 pts

Section 1032 – Public Fire Safety Education Programs (FSP)

Credit Calculation

$$CFSE = \frac{FSQT(\text{Up to } 10) + FSP(\text{up to } 30)}{40} \times 2.2$$

Where:

$$FSP = FSPR + FSPS + FSPJ + FSPL$$

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- Fire Investigation Organization 4 pts
- Fire Investigation Staffing 4 pts
- Fire Investigator Certification 3 pts
- Fire Investigator Continuing Education 3 pts
- Use of LFIRS 6 pts

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- **Fire Investigation Organization (up to..... 4 pts)**
 - **FSRS:** There must be, within or outside the civil jurisdiction, an office with the responsibility to conduct investigations of the causes and origins of fires.
 - **LA Addendum:** Documents establishing authority to conduct fire cause and origin investigations should be presented to PIAL.

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- Fire Investigation Organization (up to..... 4 pts)
- **Fire Investigation Staffing (up to..... 4 pts)**
 - **FSRS:** The jurisdiction must have enough fire investigators to investigate all structure fires.
 - May be paid or volunteer. Includes investigators with authority from the SFM or other civil jurisdiction.
 - **LA Addendum:** PIAL considers officers with a minimum of Fire Officer I Certification as qualified to perform initial cause and origin investigations. Investigations of all fires deemed suspicious must be performed by the LA OSFM or other certified fire investigators trained to the standards outlined in NFPA 1033. Fires meeting the state statute for mandatory investigation by the LA OSFM must be investigated by the LA OSFM.

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- Fire Investigation Organization 4 pts
- Fire Investigation Staffing 4 pts
- Fire Investigator **Certification** and Training 3 pts
 - **Certification**
 - **FSRS:** All personnel assigned to perform investigation of the causes and origins of fires must be certified, IAW NFPA 1033.
 - **LA Addendum:** Copies of certification documents (minimum of Fire Officer I or Fire Investigator I) for all departmental or outside agency fire investigators including company officers conducting initial cause and origin determinations must be submitted to PIAL with the grading questionnaire. Certification documents need not be submitted for members of the LA OSFM.

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- Fire Investigation Organization 4 pts
- Fire Investigation Staffing 4 pts
- Fire Investigator Certification and **Training** 3 pts
 - **Training**
 - **FSRS:** All personnel assigned to perform investigation of causes and origins of fires must receive at least 40 hours of additional fire investigation training each year.
 - **LA Addendum:** Investigators serving in the position of Fire Investigator require a minimum of 40-hrs of fire investigation related training per year. Other officers performing initial cause and origin determinations require a minimum of 8-hrs of fire investigation related training per year. Submit records from the graded year and two previous years.

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Areas (20 points possible)

- Fire Investigation Organization 4 pts
- Fire Investigation Staffing 4 pts
- Fire Investigator Certification 3 pts
- Fire Investigator Continuing Education 3 pts
- **Use of LFIRS 6 pts**
 - 3-yr reporting requirement
 - On-going reporting is required

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Calculations

- **Fire Investigation Organization (IO) (up to.....4 pts)**
 - Credit is “all or none”.

- **Fire Investigation Staffing (IQT) (up to..... 4 pts)**

$$IS = \frac{\text{Structure Fires Receiving Cause \& Origin Investigation}}{\text{Total Structure Fires}} \times 4$$

- **Fire Investigator Certification (IQTC) (up to.....3 pts)**

$$IS = \frac{\text{\# of Certified Investigators}}{\text{\# of Investigators}} \times 3$$

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Calculations

- **Fire Investigator Continuing Education (IQTC)**
(up to.....3 pts)

$$IQTE = \frac{\textit{Average \# of Continuation Education hours}}{40} \times 3$$

$$IQT = ITQC + IQTE$$

- **Use of LFIRS (IRS) (up to.....6 pts)**

$$IRS = \frac{\textit{\# of Years of Submission}}{3} \times 3$$

Community Risk Reduction-Fire Investigations

Section 1040 – Credit Calculations

- **Credit for Investigation Programs (CIP)**
(up to.....1.1 pts)

$$CIP = \frac{IOS + IQT + IRS}{20} \times 1.1$$

- **Credit for Community Risk Reduction (CCRR)**
(up to..... 5.5 pts)

$$CCRR = CPCE + CPSE + CIP$$

Questions????

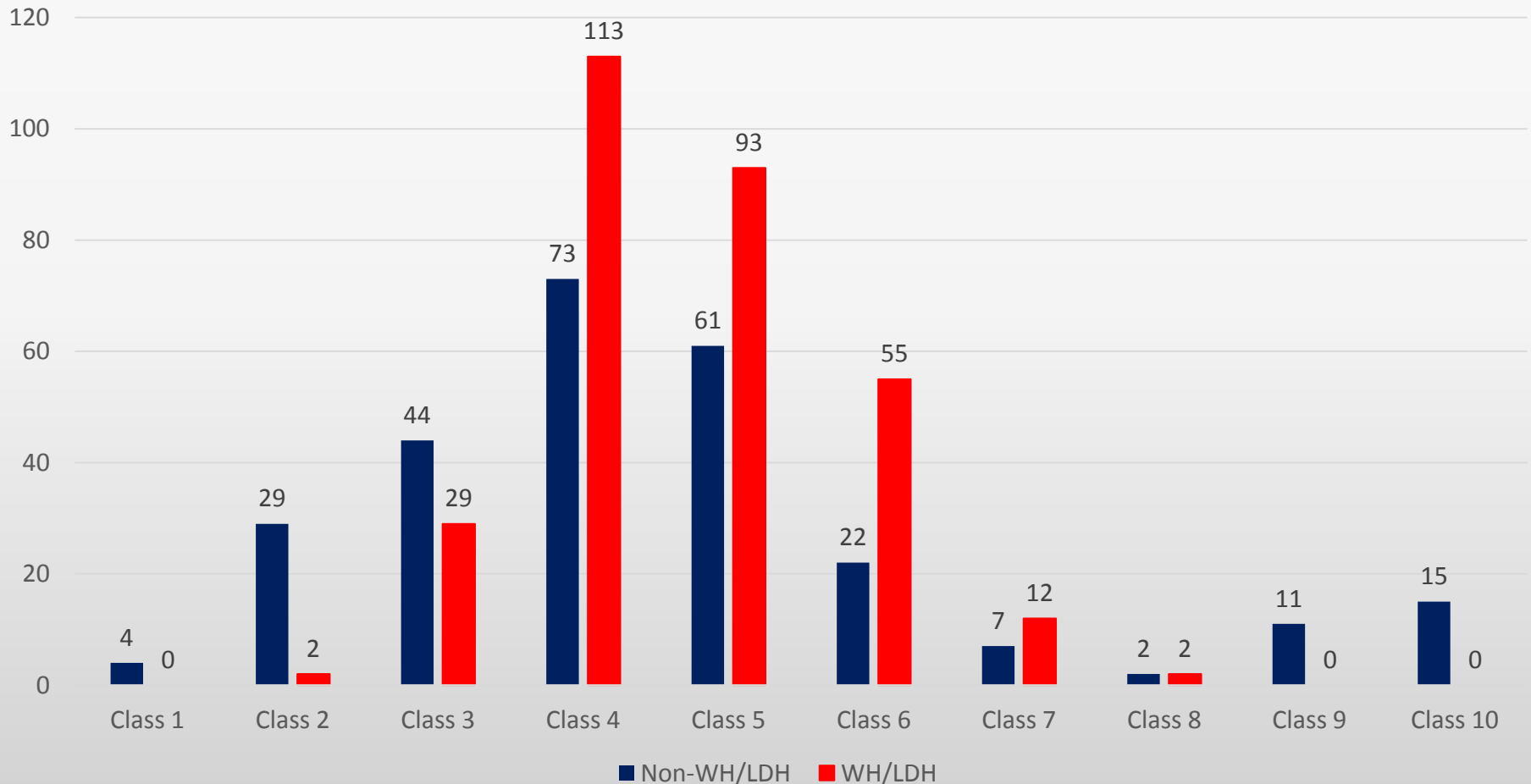
Miscellaneous Topics

- Consultants

- It is up to each graded area to determine if they need a rating consultant
- PIAL needs a letter from the chief or AHJ before we can interact with their consultant
- PIAL's interaction with a consultant ends 180 days after the date of letter advising PIAL that the consultant has been retained
- PIAL offers a "Professional Grading Assistance Program (PGAP)"
 - Help understanding the FSRS and Addendum
 - Help understanding the questionnaire

Miscellaneous Topics

State-Wide PPC Class Distribution
(as of Jan 1, 2017)



Questions????

This presentation will be posted to the www.pial.org website under the Municipal Division