Property Insurance Association of Louisiana
And
The Louisiana Fire Chief’s Association
Present

The New FSRS

Where the Credits Come From
Who or What is PIAL?

• Private, Non-Profit Association
  • Formed in 1888 by the Insurance Industry at the direction of the Louisiana Legislature
  • Non-profit organization funded through insurance company assessments
  • PIAL Receives No Public Funding

• Three Divisions
  • Administrative – Management and Support
  • Pricing – Building Construction Assessments
  • Municipal – Fire Protection Assessments

• End Products
  • Publication of Public Protection Classifications
  • Advisory Rates for Fire Protection Insurance

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Advisory Committee

• Provides Input to the PIAL Board of Directors

• Composition
  • PIAL Executive Director...A.J. Herbert, III (Non-Voting Member)
  • PIAL Municipal Division Manager...Blaine Rabe`
  • LFCA Representative...Chuck Albert, St. George Fire Department
  • LSFA Representative...Charlie Metcalf, Desoto Parish Fire District 8
  • LA PFFA Representative...Chad Major, Baton Rouge Fire Department
  • LA State Fire Marshal...Butch Browning
  • Insurance Industry Representatives from PIAL Board of Directors (3)
Municipal Division Structure

PIAL Executive Director AJ Herbert

Municipal Division Manager
Blaine Rabe’

GIS Technician
Scott Gelpi

Municipal Field Rep Supervisor
Randy Loe

Senior Municipal Field Representatives
Dwayne Quebedeaux, Kenny Weber
Paul Reeson, Kevin Johnson

Municipal Field Representative
Robert Guillet
What is the FSRS?

• FSRS = Fire Suppression Rating Schedule
• Published by the Insurance Services Office, Inc. (ISO)
  • Amended by PIAL via the LA Addendum to the FSRS
• The purpose of the FSRS is to outline criteria for evaluating the fire prevention and fire suppression capabilities of individual communities or fire protection areas.
• The FSRS provides a standardized approach for developing Public Protection Classifications (PPC) for property insurance rating.
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 Manual 17 & 32

• NFPA Standards
The New Fire Suppression Rating Schedule (FSRS) General Overview

- Minimum Criteria for Being Rated
  - Organization
    - Per state law with defined boundaries and a chief
  - Manpower
    - At least 4 trained firefighters (with PPE) on the fire scene (average)
  - Training
    - Department must offer at least 3 hrs every 3 months (12 hrs/yr) of training related to suppression of structure fires
  - Emergency Communications
    - Must provide for receipt of alarms and dispatch of firefighters and apparatus without delay
  - Apparatus
    - At least one apparatus meeting general criteria of NFPA 1901 including with minimum 750 gpm pump
  - Housing
    - Apparatus must be housed to protect it from the weather and deteriorating effects of all climatic conditions (Pumpers and Ladder/Service Trucks)
The New Fire Suppression Rating Schedule (FSRS)
General Overview

• Minimum Criteria for a Class 9 (D.O.) Rating (Dwellings Only)

• All parts of the Minimum Criteria for a Rating apply except:

  • Apparatus
    • The department must have at least one apparatus meeting general criteria of NFPA 1901 with a permanently mounted pump capable of pumping at least 250 gpm at 150psi pressure and carrying at least 200 gallons of water

  • Water
    • Must be capable of delivering at least 500 gallons of water to all reported 1st alarm structure fires
The New Fire Suppression Rating Schedule (FSRS) General Overview

- Total Grading Scale is 0-100+ Points…(No Change in Overall Value)
  - Communications – 10 Points…(No Change in Overall Value)
  - Fire Department – 50+ Points …(No Change in Overall Value)
  - Water Supply – 40 Points ...(No Change in Overall Value)
  - Community Risk Reduction – 5.5 Points (up from 2 points)

- 25% Deduction for Incomplete Records & No Credit if No Records
Overview - Communications

• 10% of Total Grading Credits or 10 points
  • Emergency Reporting (Formerly Receipt and Handling Fire Alarms)
    • Increased from 2 points to 3 points
  • Telecommunicators (Formerly Needed Operators)
    • Increased from 3 points to 4 points
  • Dispatch Circuits
    • Decreased from 5 points to 3 points

• Communications Credits Have a Direct Impact on Overall Credits
  • Does not Factor into Divergence
### Overview - Fire Department

- **50+ % of Total Credits**

<table>
<thead>
<tr>
<th>Item</th>
<th>Former Weight (Points)</th>
<th>New Weight (Points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Companies</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Reserve Pumpers</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>Pump Capacity</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Ladder/Service Companies</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Reserve Ladder/Service Trucks</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>Deployment Analysis (Distribution)</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Existing Company Personnel</td>
<td>15+</td>
<td>15+</td>
</tr>
<tr>
<td>Training (Including Bonus for Certs)</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Operational Considerations</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Public Fire Control (Community Risk Reduction)</td>
<td>2</td>
<td>5.5 (Moved)</td>
</tr>
</tbody>
</table>

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Overview - Water Supply

• 40% of Total Credits

  • Supply System
    • Decreased from 35 points to 30 points

  • Hydrant Size, Type, & Installation
    • Increased from 2 points to 3 points

  • Inspection & Fire Flow Testing of Hydrants
    • Increased from 3 points to 7 points
Overview - Community Risk Reduction

- 5.5% Credit or 5.5 Points
  - Fire Prevention Code Adoption and Enforcement
    - Increased from 0.9 to 2.2 points
  - Public Fire Safety Education
    - Increased from 0.46 points to 2.2 points
  - Fire Investigation
    - Increased from 0.64 to 1.1 points
- No Longer Affects Divergence
Total Credit

\[ PPC = \frac{|100 - \{ (CEC + CFD + CWS + COC + CCRR) - 0.5[(CWS) - 0.8(CFD + COC)] \}|}{10} \]

<table>
<thead>
<tr>
<th>Earned Credit</th>
<th>Relative Classification</th>
<th>Earned Credit</th>
<th>Relative Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.00 - 100+</td>
<td>1</td>
<td>40.00 - 49.99</td>
<td>6</td>
</tr>
<tr>
<td>80.00 - 89.99</td>
<td>2</td>
<td>30.00 - 39.99</td>
<td>7</td>
</tr>
<tr>
<td>70.00 - 79.99</td>
<td>3</td>
<td>20.00 - 29.99</td>
<td>8</td>
</tr>
<tr>
<td>60.00 - 69.99</td>
<td>4</td>
<td>10.00 - 19.99</td>
<td>9</td>
</tr>
<tr>
<td>50.00 - 59.99</td>
<td>5</td>
<td>0.00 - 9.99</td>
<td>10</td>
</tr>
</tbody>
</table>

Results are rounded up to the next higher whole number.

Numerator cannot be less than 0.01
The Process

• Grading notices and questionnaires are mailed out in early January
  • Normal cycle is 5-years but may be as short as 2-years if the prior grading resulted in a 2 or more grade change (up or down) or if you are chosen for a random grading
• Upon its return, field reps review data then contact the chief to resolve any issues and to schedule a date for a field visit
• A field visit is made to verify data, to view records not submitted with the questionnaire, to flow hydrants, or to observe WH tests
• Data is entered into an automated grading program that calculates credits
  • Results are not know until all data is entered
• Rating results are forwarded to Blaine or Randy for audit
  • 100% audit of all reports
• Results are sent to the chief 60-90 days after the field visit is completed
The Affidavit

All information considered in the grading will be submitted under an Affidavit signed by the chief or his duly authorized representative. Below is what is covered in the Affidavit:

The undersigned declares the following:

1. The information which accompanies the questionnaire to which this affidavit is attached and all other information supplied for this grading is correct and complete.

2. All fire department vehicles listed in this questionnaire are sound from major defects that would prohibit their use on structural alarms within the area being graded, carry the water capacity as stated in the questionnaire, and are ready for operation at the call of an alarm without delay.

3. All training facilities and associated fire training props listed in this questionnaire meet the construction criteria defined in NFPA 1402, Guide to Building Fire Training Centers.
Questions???????
Let’s Get Specific!

Emergency Communications

\[
PPC = \frac{|100 - \{(CEC + CFD + CWS + COC + CCRR) - 0.5[|CWS - 0.8(CFD + COC)|]|}{10}
\]
Credit for Emergency Communications (CEC)

- 10% or 10 Points Toward Total Grading Credit

\[ CEC = (CER + CTC + CDC) \]

Where

- \( CER \) = Credit for Emergency Reporting - 3 Points
- \( CTC \) = Credit for Telecommunicator Training and Certification - 4 Points
- \( CDC \) = Credit for Dispatch Circuits - 3 Points

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Credit for Emergency Communications (CEC)

\[ \text{CEC} = (\text{CER} + \text{CTC} + \text{CDC}) \]

CER = Credit for Emergency Reporting

\[ \text{CER} = \frac{\text{ERS}_1 \ or \ \text{ERS}_2}{100} \times 3 \]

Emergency Reporting System 1 (ERS\textsubscript{1}) = Basic or No 911 (10 points)

Emergency Reporting System 2 (ERS\textsubscript{2}) = Enhanced 911 & Its Features (100 points max)
Credit for Emergency Reporting (CER)

\[ CER = \frac{ERS_1 \text{ or } ERS_2}{100} \times 3 \]

- \( ERS_1 = \text{Basic or No 911 System} \)...No Features...10 points
  - PSAP does not have customer-premises equipment to enable receipt of Enhanced 911 calls. They do not have provisions for selective routing but may have Automatic Number Identification (ANI) and Automatic Location Information (ALI)
Credit for Emergency Reporting (CER)

\[
CER = \frac{ERS_1 \text{ or } ERS_2}{100} \times 3
\]

• **ERS\textsubscript{2} = Enhanced 911 System**...Various Features...100 points possible
  • E-911 20 points
  • Wireless Phase I Using Static ALI Functionality 10 points
  • Wireless Phase II Using Dynamic ALI Functionality 15 points
  • Static Voice Over Internet Protocol Using Static ALI 10 points
  • Nomadic Voice Over Internet Protocol Using Dynamic ALI 15 points
  • Basic CAD 5 points
  • CAD with Management Information System 5 points
  • CAD with Interoperability 5 points
  • Geographic/Automatic Vehicle Location Information System 15 points
Credit for Telecommunicators (CTC)

\[
CEC = (CER + \textbf{CTC} + CDC)
\]

\[
CTC = \frac{TC}{100} \times 4
\]

Where TC = (AR + AP) + EDP + TCC + TQA

- Telecommunicator Performance...40 points
  - Alarm Receipt (AR)...20 points
  - Alarm Processing (AP)...20 points
- EDP = Emergency Dispatch Protocols for the Fire Service...20 points
- TTC = Telecommunicator Training and Certification...20 points
- TQA = Telecommunicator Continuing Education/Quality Assurance...20 points
Credit for Telecommunicators (CTC)

\[ CTC = \frac{TC}{100} \times 4 \]

\[ TC = (AR + AP) + EDP + TTC + TQA \]

- Telecommunicator Performance (40 points total)
  - **AR** = Alarm Receipt...Ring Time Statistics (20 points)
    - Provide CDR showing the % of Alarms answered within 15 seconds...95% for full credit
    - Provide CDR showing the % of Alarms answered within 40 seconds...99% for full credit

  - **AP** = Alarm Processing...Dispatch or Transfer (20 points)
    - Provide CDR showing the % of Alarms processed within 64 seconds...80% for full credit
    - Provide CDR showing the % of Alarms processed within 106 seconds...95% for full credit

- Will use a Call Volume Matrix if no CDR is Available
Credit for Telecommunicators (CTC)

$$CTC = \frac{TC}{100} \times 4$$

TC = (AR + AP) + EDP + TTC + TQA

- EDP = Emergency Dispatch Protocols for the Fire Service (20 points)
  - Assist Telecommunicators in Call Categorization and Prioritization
  - Provide Pre-arrival Instructions to Emergency Responders and Callers
    - Flip Charts
    - Binders
    - On-screen prompts

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Credit for Telecommunicators (CTC)

\[ CTC = \frac{TC}{100} \times 4 \]

\[ TC = (AR + AP) + EDP + TTC + TQA \]

- **TTC** = Telecommunicator Training and Certification (20 points)
  - See NFPA 1061 and/or APCO Project 33 for required Knowledge, Skills, and Abilities (KSAs)
  - AHJ can certify that their telecommunicators meet KSAs for their positions
    - Documentation is required
Credit for Telecommunicators (CTC)

\[ CTC = \frac{TC}{100} \times 4 \]

\[ TC = (AR + AP) + EDP + TTC + TQA \]

• **TQA = Telecommunicator Continuing Education/Quality Assurance**
  • Continuing Education (CE)
    • Is there a CE program?
    • No minimum CE hours
    • Documentation is required
  • Quality Assurance (QA)
    • Is there a program for evaluating telecommunicator performance?
    • Is remedial training conducted when deficiencies are identified?
    • Documentation is required
Credit for Dispatch Circuits (CDC)

CEC = (CER + CTC + CDC)

• The number of dispatch circuits needed is based on the number of alarms received by the fire department
  • All alarms are considered
    • Fire (Working and Non-Working)
    • Medical
    • Vehicle accidents
    • Etc....
  • <730 alarms = 1 dispatch circuit needed
  • ≥730 alarms = 2 dispatch circuits needed

• When 2 circuits are needed, possible credits are divided equally between the two
Credit for Dispatch Circuits (CDC)

\[
CDC = \frac{RDC}{100} \times 3 \quad \text{RDC} = (A + B + C + D)
\]

A = Credit for Dispatch Circuits Provided (40 points max)
B = Credit for Monitoring for Integrity (30 points max)
C = Credit for Emergency Power Supply System (30 points max)
D = Credit when no circuit is needed (100 points)
Credit for Dispatch Circuits (CDC)

\[
CDC = \frac{RDC}{100} \times 3 \\
RDC = (A + B + C + D)
\]

- **A = Credit for Dispatch Circuits Provided (40 points max)**
  - 40 point circuits:
    - For members on-duty at fire stations: Voice radio, microwave channel, polling or self-interrogating digital radio, dedicated telephone circuit, wired circuit, TCPIP dedicated to public safety or governmental use
    - Radio receivers carried by members: Voice receivers or alpha-numeric receivers with or without two-way paging capabilities under direct control of (owned by) the AHJ
  - 20 point circuits:
    - Circuit reporting the call box number or street intersection only
    - Circuit to outside coded sounding device (siren, air horn, etc...)
  - 10 point circuits:
    - Circuit to outside noncoded sounding device
Credit for Dispatch Circuits (CDC)

\[ CDC = \frac{RDC}{100} \times 3 \]

\[ RDC = (A + B + C + D) \]

- **B = Credit for Monitoring for Integrity (30 points)**
  - Applies only to Primary dispatch circuit
  - Do telecommunicators have audible and visual indications of dispatch circuit or emergency power supply system failure?
Credit for Dispatch Circuits (CDC)

\[ CDC = \frac{RDC}{100} \times 3 \]

\[ RDC = (A + B + C + D) \]

- **C = Credit for Emergency Power Supply System (EPSS) (30 points max)**
  - All facilities critical to the dispatch process should have EPSS
  - 30 point EPSS:
    - Auto- or Manually-started generator with UPS
    - Central battery system plus manually started generator
    - Central battery system only when strength and duration meets requirements of NFPA 1221
  - 20 point EPSS:
    - Auto- or Manually-started generator without UPS
  - 10 point EPSS:
    - Central battery system when strength and duration do not meet requirements of NFPA 1221
Credit for Dispatch Circuits (CDC)

\[ CDC = \frac{RDC}{100} \times 3 \]

\[ RDC = (A + B + C + D) \]

• **D = When No Circuit is Needed (100 points)**
  • Applies only when all responding firefighters are housed in the same building as the telecommunicators
Credit for Communications

Questions??????

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Credit for Fire Department (CFD)

PPC = \frac{100 - \{ (CEC + CFD + CWS + COC + CCRR) - 0.5[(CWS) - 0.8(CFD + COC)] \}}{10}
Credit for Fire Department (CFD)

- Items Evaluated in the Fire Department Section
  - Engine, Ladder and/or Service Companies
  - Equipment Carried
  - Response to Working and Non-Working Structure Fires
  - Deployment Analysis of Companies
  - Available Firefighters
  - Training
Credit for Fire Department (CFD)

\[ CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT \]

- **CEC** = Credit for Engine Companies (changed from 10 to 6 points max)
- **CRP** = Credit for Reserve Pumpers (changed from 1 to 0.50 points max)
- **CPC** = Credit for Pump Capacity (changed from 5 to 3 points max)
- **CLS** = Credit for Ladder/Service (changed from 5 to 4 points max)
- **CRLS** = Credit for Reserve Ladder/Service (changed from 1 to 0.50 points max)
- **CDA** = Credit for Deployment Analysis (changed from 4 to 10 points max)
- **CCP** = Credit for Company Personnel (no change 15+ points possible)
- **CT** = Credit for Training (no change 9 points max)
Credit for Fire Department (CFD)

\[
\text{CFD} = \text{CEC} + \text{CRP} + \text{CPC} + \text{CLS} + \text{CRLS} + \text{CDA} + \text{CCP} + \text{CT}
\]

- **CEC = Credit for Engine Companies (6 points max)**
  - **Types**
    - Engine (E)
    - Engine-Service (ES)
    - Engine-Ladder (EL)
  - **Number of Needed Engines:**
    - Number needed by Basic Fire Flow (BFF)
      - 500-1,000 Needed = 1
      - 1,250-2,500 Needed = 2
      - 3,000-3,500 Needed = 3
    - Number of in-service engine locations (stations)
    - Number needed by method of operations
  - **Number Needed is the Largest Needed by the 3 Methods**
Credit for Fire Department (CFD)

\[ CFD = \text{CEC} + \text{CRP} + \text{CPC} + \text{CLS} + \text{CRLS} + \text{CDA} + \text{CCP} + \text{CT} \]

- **CEC = Credit for Engine Companies (6 points max)**
  - Equipment Carried on Apparatus
    - See Inventory Sheet
      - Removed credit for Booster Reel, Spare Hose, Distributing Nozzle, Foam Nozzle, Foam, one Solid Stream Nozzle, one 2½” Combination Nozzle, Burst Hose Jacket
      - Added credit for 20’ of Hard- or 15’ of Soft-Suction Hose
      - Decreased 2”- 3” hose from 400’ to 200’...should be configured as an attack line
      - Increased carried supply hose to from 800’ to 1,000’ of 2½” or larger hose.
      - Changed 12’ to 14’ Roof Ladder to 12’ to 16’ Roof Ladder
    - Value of engines reduced from 654 to 600 points
      - Includes Pump and Hose Testing credits
      - Includes Credit for Hose Loads (Supply or Attack...Diameter and Length)
  - To get full credit, the pump size should be ≥1,000gpm
Credit for Fire Department (CFD)

CFD = CEC + **CRP** + CPC + CLS + CRLS + CDA + CCP + CT

- **CRP** = Credit for Reserve Pumpers (0.50 points max)
  - Number needed is based on the number of in-service pumpers that you have
    - Ratio is 1:8...one reserve for every 8 in-service pumpers (or portion thereof) that you have
  - Can be shared among jurisdictions
    - Ratio remains 1:8...based on combined total of in-service pumpers the jurisdiction has
  - Equipment carried is credited the same as with in-service pumpers
  - There must be an actual reserve pumper to get this credit!
Credit for Fire Department (CFD)

CFD = CEC + CRP + **CPC** + CLS + CRLS + CDA + CCP + CT

- **CPC** = Credit for Pump Capacity (3 points max)
  - Limited to the BFF
  - In-service and reserve pumpers rated at 150psi
  - Other apparatus with permanently mounted pumps capable of delivering at least 250gpm @150psi are given 50% credit
  - Automatic Aid pumpers (credited in the grading as in-service pumpers) are credited after applying the automatic aid factor
  - Full credit is awarded for pumpers capable of pumping a minimum of 1,000gpm at 150psi pump pressure
  - Credit is limited to 75% of rated capacity for partial records and to 50% of rated capacity for no records of pump testing
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + **CLS** + CRLS + CDA + CCP + CT

• **CLS** = Credit for Ladder/Service (4 points max)
  • Minimum of 1 is needed in every graded area
  • Number needed is determined by:
    • Graded area assets and use...AND...
    • Deployment Analysis
      • Road mile distribution study
      • NFPA 1710 data
    • If more are needed, PIAL will classify engines at existing fire stations as Engine/Service or Engine/Ladder companies as required
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + **CRLS** + CDA + CCP + CT

**CRLS = Credit for Reserve Ladder/Service (0.50 points max)**
- Same ratio as reserve pumpers...1:8
- May be shared using the same criteria as reserve pumpers
- Equipment carried credited the same way as with reserve pumpers
- Must have one to get credit for one!
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

• **CDA = Credit for Deployment Analysis (changed from 4 to 10 points max)**
  - Road Mile Distribution Study – Total Road miles in the Graded Area as Compared To:
    - 1.5 road miles from existing engine company locations
    - 2.5 road miles from existing full service and/or ladder company locations
  - NFPA 1710
    - % of alarms on which 1\textsuperscript{st} arriving pumper gets on-scene within 320 seconds (80 seconds for turnout and 240 seconds for travel time)
    - % of alarms on which full dispatch complement gets on-scene within 560 seconds (80 seconds for turnout and 480 seconds for travel time)
      - For PIAL purposes the full complement is defined as the 2\textsuperscript{nd} arriving pumper and the service or ladder truck
  - Credit is Awarded for the Method That Results in the Most Credit
Credit for Fire Department (CFD)

\[ CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT \]

• **CDA = Credit for Deployment Analysis**

\[
CDA = \left[ \frac{EC}{600(EE)} \times 0.6(AE) \right] + \left[ \frac{LCE + SCE + 0.5(ELCE) + 0.5(ESCE)}{772(EL) + 356(ES)} \times 0.4(AL) \right] \times 10
\]

Where:

\[ AE = \text{the percent of built-upon area within 1½ road miles of a first-due engine, engine-ladder, or engine-service company} \]

\[ AL = \text{the percent of the built-upon area within 2½ road miles of a first-due ladder, service, engine-ladder, or engine-service company} \]

• **Credit is Awarded for the Method That Results in the Most Credit**

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Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

CCP = \( \frac{ODF + \left( \frac{PSO}{2} \right) + \left( \frac{OCF}{3} \right)}{EE + EL + 0.5(ES) - AP} \times 2.5 \)

- **ODF = Credit for On-Duty Firefighters at Fire Stations**
  - Average daily manning over 1-year period
  - Includes members who respond on 1st alarm to working structural fires and who participate in firefighting operations including chiefs, chiefs’ aides & ambulance personnel
  - Each person, while on the fire ground, must have available a protective clothing ensemble IAW NFPA 1001
Credit for Fire Department (CFD)

\[
\text{CFD} = \text{CEC} + \text{CRP} + \text{CPC} + \text{CLS} + \text{CRLS} + \text{CDA} + \text{CCP} + \text{CT}
\]

\[
\text{CCP} = \frac{\text{ODF} + \left(\frac{\text{PSO}}{2}\right) + \left(\frac{\text{OCF}}{3}\right)}{\text{EE} + \text{EL} + 0.5\text{(ES)} - \text{AP}} \times 2.5
\]

- **PSO = Credit for Public Safety Officers...Very, Very RARE!!**
  - Members assigned law enforcement or other municipal duties as well as firefighter duties (these members perform fire company duties while on the fire scene)
  - Must have two-way radio on the fire frequency, vehicle equipped with emergency lights and a siren and protective clothing ensemble
  - Must have written schedule including days of the month and times of day when the persons are available
  - Creditable as 50% of an on-duty firefighter due to possible non-availability
Credit for Fire Department (CFD)

\[ CFD = CEC + CRP + CPC + CLS + CRLS + CDA + \textbf{CCP} + CT \]

\[ \text{CCP} = \frac{ODF + \left(\frac{PSO}{2}\right) + \left(\frac{OCF}{3}\right)}{EE + EL + 0.5(ES) - AP} \times 2.5 \]

- **OCF = On-Call and Off-Duty Firefighters**
  - Average # of responders divided by 3 to account for time needed for notification, travel and assembly on the fireground
  - Divided by 6 if records of response are not good
Credit for Fire Department (CFD)

\[
CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT
\]

\[
CCP = \frac{ODF + \left( \frac{PSO}{2} \right) + \left( \frac{OCF}{3} \right)}{EE + EL + 0.5(ES) - AP} \times 2.5
\]

- EE = # of Existing Engines
- EL = # of Existing Ladder Trucks
- ES = # of Existing Service, Engine/Service and Engine/Ladder Trucks
- AP = # of Additional Companies

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Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

• CT = Credit for Training (no change 9 points max)

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 + \text{Credit for IFSAC Certs} \]

• T₁ = Training Facilities and Use...Drills...35% (no change)
• T₂ = Company Training...25 % (no change)
• T₃ = Officer Training and Certification...12 % (down from 15%)
• T₄ = New Driver/Operator Training...5% (up from 2%)
• T₅ = Existing Driver/Operator Training...5% (up from 2%)
• T₆ = Hazardous Materials Training...1% (no change)
• T₇ = Recruit Training...5% (no change)
• T₈ = Building Familiarization for Pre-Incident Planning...12% (down from 15%)
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 + \text{Credit for IFSAC Certs} \]

- **Credit for IFSAC Certifications...up to 3 points**
  - ProBoard Certifications are acceptable based on a case-by-case review (proposed)
  - Dates of certifications are irrelevant
  - Certificates are recognized if certified members received a minimum of 45 hrs of *Company* training with the graded area’s department during the graded year
    - Firefighter I & II, Fire Instructor I & II, Fire Department Vehicle Driver/Operator, Apparatus Driver Operator – Aerial, Fire Officer I, II, or III, HAZMAT Awareness, Operations, or Technician Level
  - Maximum credit for training after adding credit for certifications is 9.0 points
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

- **T_1 = FA \times FU = 35** max (no change)
  - Facilities (FA)
    - Live fire training structure including smoke room...17 points
    - Drill tower at least 3 stories in height...10 points
    - Training area at least 2.0 acres in size...8 points
    - Credit for Library, Visual Aids, Pump & Hydrant Cutaways applied if props are deficient (4 points)
    - Chief must certify that props meet requirements found in NFPA 1402
    - Multiple training facilities may receive credit regardless of distance
  - Use (FU)
    - 18 hrs/member/year **AT** the above facilities
    - FU = # hours/member/18 (down from 24 hrs)
  - No credit for outside training (members of multiple departments)
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

• \( T_2 \) = Credit for Company Training...25% (no change)
  • Training done at fire stations or using streets, buildings and open areas
  • 16 hours/member/month or 192 hours per year (down from 20 hrs/mo or 240/year)
  • Outside training is reduced by 50%
  • Formula can be confusing:

\[ T_2 = \frac{\sum(Company \ Training \ Hours)}{16 \times (Number \ of \ Members)} \times 25 \]

(Company Training Hours is limited to 16 hours/member/month)
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

- \( T_3 = \) Credit for Officer Training and Certification...12% (down from 15%)

- \( T_3 = T_{30C} + T_{30T} \)
  - \( T_{30C} = \) Officer Certification...6% (new credit)
    - All officers with responsibilities in fire suppression
    - Officer I or AJH approved equivalent
  
  \[ T_{30C} = \frac{\text{(# of Certified Officers)}}{\text{Number of Officers}} \times 6 \]

  - \( T_{30T} = \) Officer Continuing Education...6%
    - Leadership Related Training
    - 12 hours/officer/year (no change)
    - Outside Training is Creditable

  \[ T_{30T} = \frac{\sum(\text{Officer Continuing Education Hours})}{12 \times \text{Number of Officers}} \times 6 \]
Credit for Fire Department (CFD)

\[ CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT \]

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

- \( T_4 = \text{New Driver/Operator Training...5% (up from 2%)} \)
  - 60 Hours or Certificate (up from 40 hrs)
  - Outside Training is Creditable

\[ T_4 = \frac{\sum (\text{New Driver/Operator Training Hours})}{60 \times (\text{Number of New Drivers})} \times 5 \]
Credit for Fire Department (CFD)

CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

- \( T_5 \) = Existing Driver/Operator Training...5% (up from 2%)
  - 12 Hours per Driver per Year (no change)
  - Outside Training is NOT Creditable

\[ T_4 = \frac{\sum(Existing \ Driver/Operator \ Training \ Hours)}{12 \times (Number \ of \ New \ Drivers)} \times 5 \]
Credit for Fire Department (CFD)

\[ CFD = CEC + CRP + CPC + CLS + CRLS + CDA + CCP + CT \]

\[ CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9 \]

- \( T_6 = \text{Hazardous Materials Training...1\% (no change)} \)
  - 6 Hours per Member per Year (up from 3 hrs)
  - Should be Geared Toward HAZMAT Identification
  - Other Topics Considered on a Case-by-Case Basis
  - Outside Training is Creditable

\[ T_6 = \frac{\sum(\text{HAZMAT Training Hours})}{6 \times (\text{Number of Members})} \times 5 \]
Credit for Fire Department (CFD)

\[
\text{CFD} = \text{CEC} + \text{CRP} + \text{CPC} + \text{CLS} + \text{CRLS} + \text{CDA} + \text{CCP} + \text{CT}
\]

\[
CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9
\]

- \(T_7 = \text{Recruit Training}...5\% \text{ (no change)}\)
  - 240 Hours per Recruit (no change)
  - First Year of Membership or FF I & II Certified
  - Outside Training is Creditable

\[
T_7 = \frac{\Sigma(\text{Recruit Training Hours})}{240 \times (\text{Number of Recruits})} \times 5
\]
Credit for Fire Department (CFD)

\[
CT = \frac{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + T_7 + T_8}{100} \times 9
\]

- \( T_8 \) = Building Familiarization for Pre-Incident Planning...12% (down from 15%)
- Based on Frequency of Pre-Plan Inspections (changed)

<table>
<thead>
<tr>
<th>Frequency of Inspections</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 year</td>
<td>1.00</td>
</tr>
<tr>
<td>2 years</td>
<td>0.83</td>
</tr>
<tr>
<td>3 years</td>
<td>0.67</td>
</tr>
</tbody>
</table>

\[
T_8 = \text{Frequency} \times \left( \frac{\text{Number of Pre-Planned Buildings}}{\text{Number of Buildings}} \right) \times 12
\]
Credit for Fire Department

Questions??????
Credit for Operational Considerations (COC)

\[
PPC = \frac{|100 - \{(\text{CEC} + \text{CFD} + \text{CWS} + \text{COC} + \text{CCRR}) - 0.5[(\text{CWS}) - 0.8(\text{CFD} + \text{COC})]|}|}{10}
\]
Credit for Operational Considerations (COC)

- Evaluates fire department standard operating procedures and incident management systems for emergency operations involving structure fires
Credit for Operational Considerations (COC)

\[ CT = \frac{\text{SOP} + \text{IMS}}{100} \times 2 \]

• **SOP = Standard Operating Procedures...50%**

  • Response of Apparatus
  • Operation of Emergency Vehicles
  • Safety at Emergency Incidents
  • Communications
  • Apparatus Inspection and Maintenance
    • Includes Pump, Aerial and Hose Testing Programs
  • Fire Suppression
  • Company Operations
  • Automatic/Mutual Aid Operations
  • Training
  • Personnel Response
Credit for Operational Considerations (COC)

\[
CT = \frac{SOP + IMS}{100} \times 2
\]

- IMS = Incident Management System...50%
  - Is there an IMS Training Program?
  - How often does each member receive IMS refresher training?
    - Training must be dated within 5 years of the grading (graded year and previous 4 years)
  - Minimum NIMS 100 or local equivalent training
    - Must be able to show that local training meets or exceeds NIMS content standards
Credit for Operational Considerations (COC)

Questions??????
Moving Right Along...

Credit for Water Supply (CWS)

\[
PPC = \frac{100 - \{(CEC + CFD + CWS + COC + CCRR) - 0.5[|CWS - 0.8(CFD + COC)|]\}}{10}
\]
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CWS = Credit for Water Supply**
  - Considers:
    - Water Available for Firefighting (CSS)
    - Hydrant Size, Type, and Installation (CH)
    - Hydrant Inspection & Testing (CIT)
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CSS = Credit for Supply System**
  - CSS is minimum of NFF, SWC, MC, HD
- **Needed Fire Flow (NFF)**
  - A calculation, for insurance purposes only, of the water needs for a building
    - Building Size (area)
    - Building Height (# of stories)
    - Construction Code
    - Exposure Factor
    - Communications Factor
    - Protected/unprotected vertical openings
    - Occupancy Factor
      - 0.75-1.25
  - NFFs \( \geq 4000 \text{gpm} \) are not factored into your PPC...they are Individually Rated Properties and receive their own rating.

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Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CSS = Credit for Supply System**
  - CSS is minimum of NFF, SWC, MC, HD
- **SWC = Supply Works Capacity**
  - Storage Capacity (at minimum levels maintained)
  - Delivery Rate (evaluates pumps, filters, etc...as potential limiting factors)
  - Emergency Supply
  - Suction Supply
Example of Supply Works Components

- **Ouachita River 1000gpm**
- **Ouachita River 1000gpm**
- **Deep Well 500gpm (Emergency Supply)**
- **Treatment Plant With 2000gpm Filter Capacity**
- **500,000 gal GST**
- **HL Pump 1 500gpm**
- **HL Pump 2 500gpm**
- **500,000gal ET**
- **Distribution System**
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CSS = Credit for Supply System**
  - CSS is minimum of NFF, SWC, MC, HD

- **Main Capacity**
  - Predicted Hydrant Flow Rate Calculated to 20psi Residual Pressure
    - Based on Static Pressure
    - Residual Pressure
    - Raw Flow Rate
    - Hydrant Coefficient
  - Hydraulic Modeling may be used if properly installed & calibrated (PIAL will flow some hydrants to validate the model)
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CSS = Credit for Supply System**
  - CSS is minimum of NFF, SWC, MC, HD
- **HD = Hydrant Distribution**
  - All Hydrants Within 1,000’ of the Structure are Counted

<table>
<thead>
<tr>
<th>Type of Hydrant</th>
<th>Credit per Hydrant</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least one pumper outlet</td>
<td>1,500 gpm</td>
</tr>
<tr>
<td>Two or more hose outlets, no pumper outlet</td>
<td>750 gpm</td>
</tr>
<tr>
<td>One hose outlet only</td>
<td>500 gpm</td>
</tr>
</tbody>
</table>
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- Capability of the Water System at the NFF Test Location (TLC)
  - Credits the Minimum of:
    - NFF, Supply Works Capacity, Main Capacity, Hydrant Distribution

<table>
<thead>
<tr>
<th>NFF</th>
<th>Supply Works</th>
<th>Main Capacity</th>
<th>Hydrant Distribution</th>
<th>Credit (TLC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000</td>
<td>3500</td>
<td>5150</td>
<td>4500</td>
<td>3500</td>
</tr>
<tr>
<td>3500</td>
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<tr>
<td>2500</td>
<td>3000</td>
<td>3500</td>
<td>3000</td>
<td>2500</td>
</tr>
</tbody>
</table>

\[ CSS = \frac{TLC}{NFF} \times 30 \]

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Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

- **CH = Credit for Hydrants Size, Type & Installation**
  - Based on:
    - Hydrant Branch Diameter
    - Hydrant Type
    - Main Size
    - Prorated Credit by Type

\[ CH = \frac{PH}{100} \times 3 \]

<table>
<thead>
<tr>
<th>Hydrant Size, Type &amp; Installation (PH)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>With ≥6” branch and a pumper outlet; with or without 2½” outlets; or with ≥6” dry hydrant installed IAW applicable standards</td>
<td>100</td>
</tr>
<tr>
<td>With ≥6”, no pumper outlet, but 2 or more 2½” outlets or with small barrel &lt;5”</td>
<td>75</td>
</tr>
<tr>
<td>With only one 2½” outlet</td>
<td>25</td>
</tr>
<tr>
<td>With &lt;6” branch</td>
<td>25</td>
</tr>
<tr>
<td>Flush type (flush or ground level)</td>
<td>25</td>
</tr>
<tr>
<td>Cistern or suction point</td>
<td>25</td>
</tr>
</tbody>
</table>
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

\[ CIT = HI + FT \]

- **CIT** = Credit for Inspection and Fire Flow Testing of Hydrants
- **A** – Inspection (HI)
  - IAW AWWA M-17
  - 3 Most recent test dates
  - If inspections include flushing program: +10 points
  - If inspections include a pressure test: +10 points
  - If inspections of cisterns or suction points includes drafting with a pumper and back-flushing for dry hydrants: +20 points

\[ HI = \frac{FI}{50} \times 4 \]

<table>
<thead>
<tr>
<th>Frequency of Inspection (FI)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 year</td>
<td>30</td>
</tr>
<tr>
<td>2 years</td>
<td>20</td>
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<tr>
<td>3 years</td>
<td>10</td>
</tr>
<tr>
<td>4 years</td>
<td>5</td>
</tr>
<tr>
<td>5 years of more</td>
<td>No credit</td>
</tr>
</tbody>
</table>
Credit for Water Supply (CWS)

\[ CWS = CSS + CH + CIT \]

\[ CIT = HI + FT \]

- **CIT** = Credit for Inspection and Fire Flow Testing of Hydrants
- **B** – Fire Flow Testing (FT)
  - IAW AWWA M-17 or NFPA 291
  - 3 Most recent test dates
  - If there is a hydrant marking program IAW NFPA 291 or AWWA M-17: +25%

\[ FT = \frac{FF}{50} \times 3 \]

<table>
<thead>
<tr>
<th>Frequency of Flow Testing (FF)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 years or less</td>
<td>40</td>
</tr>
<tr>
<td>6 years</td>
<td>30</td>
</tr>
<tr>
<td>7 years</td>
<td>20</td>
</tr>
<tr>
<td>8 years</td>
<td>10</td>
</tr>
<tr>
<td>9 years</td>
<td>5</td>
</tr>
<tr>
<td>10 or more years</td>
<td>No credit</td>
</tr>
</tbody>
</table>

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• No Changes to the Process…One Change to the Form

<p>| | | | | | | | | | | | | |</p>
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<tr>
<td>Fire</td>
<td>Unit</td>
<td>Alarm</td>
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<td>Manning</td>
<td>Decision</td>
<td>Assembly</td>
<td>Arrival</td>
<td>Test</td>
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<td>Delay</td>
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<td>Delay Time</td>
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<td></td>
<td>Volunteer</td>
<td>(A)</td>
<td>(B)</td>
<td>(C)</td>
<td></td>
<td>First Alarm Notification</td>
<td>(A + B + C)</td>
</tr>
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<td>First</td>
<td>Second</td>
<td>Miles</td>
<td>Travel Time Factor</td>
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</tr>
<tr>
<td>Station 1</td>
<td>P-7</td>
<td>x</td>
<td>0.3</td>
<td>0.3</td>
<td>7.0</td>
<td>v</td>
<td>0.0</td>
<td>3.0</td>
<td>0:04:00</td>
<td>0:0</td>
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<td>P-20</td>
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<td>5.0</td>
<td>5.0</td>
<td>7.2</td>
<td>v</td>
<td>0.0</td>
<td>3.0</td>
<td>0:10:12</td>
<td>6:12</td>
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<td></td>
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<tr>
<td>Station 3</td>
<td>P-21</td>
<td>x</td>
<td>5.4</td>
<td>5.4</td>
<td>7.7</td>
<td>v</td>
<td>0.0</td>
<td>3.0</td>
<td>0:10:42</td>
<td>6:42</td>
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<td></td>
</tr>
<tr>
<td>Station 3</td>
<td>T-22</td>
<td>x</td>
<td>5.4</td>
<td>5.4</td>
<td>7.7</td>
<td>v</td>
<td>0.0</td>
<td>3.0</td>
<td>0:10:42</td>
<td>6:42</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>T-17</td>
<td>x</td>
<td>5.0</td>
<td>5.0</td>
<td>7.2</td>
<td>v</td>
<td>3.0</td>
<td>3.0</td>
<td>0:13:12</td>
<td>13:12</td>
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<td>T-15</td>
<td>x</td>
<td>5.4</td>
<td>5.4</td>
<td>7.7</td>
<td>v</td>
<td>3.0</td>
<td>3.0</td>
<td>0:13:42</td>
<td>13:42</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Credit for Water Supply

Questions???????
Credit for Community Risk Reduction (CCRR)

\[
PPC = \frac{|100 - \{(CEC + CFD + CWS + COC + CCRR) - 0.5[(CWS) - 0.8(CFD + COC)]\}|}{10}
\]
Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

• CPCE = Credit for Fire Prevention Code and Enforcement (40%)
  • ONLY AVAILABLE TO BUREAUS RECOGNIZED BY THE LA OSFM
• CPSE = Credit for Public Fire Safety Education Programs (40%)
  • Available to all communities
• CIP = Credit for Fire Investigation Programs (20%)
  • Available to all communities
Credit for Community Risk Reduction (CCRR)

\[ CCRR = CPCE + CPSE + CIP \]

\[ CPCE = \frac{(PCR + PS + PCT + PCP)}{40} \times 2.2 \]

- **CPCE = Credit for Fire Prevention Code and Enforcement**

- **PCR = Fire Prevention Code Regulations (10 points)**
  - NFPA 101 and NFPA 1; or if in addition to NFPA 101, the jurisdiction adopted the Southern Fire Prevention Code now known as the ICC International Fire Code (IFC) prior to July 9, 1999.
  - If date of adopted codes < 5 years from grading 10 points
  - If date of adopted codes < 6 years from grading 8.6 points
  - If date of adopted codes < 10 years from grading 2.76 points
  - If date of adopted codes ≥10 years from grading 1.06 points

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Credit for Community Risk Reduction (CCRR)

\[ \text{CCRR} = \text{CPCE} + \text{CPSE} + \text{CIP} \]

\[ \text{CPCE} = \left( \frac{\text{PCR} + \text{PS} + \text{PCT} + \text{PCP}}{40} \right) \times 2.2 \]

• **CPCE = Credit for Fire Prevention Code and Enforcement**
• **PS = Fire Prevention Staffing (8 points)**
• **A – Frequency of Fire Prevention Inspections**
  • Sufficient to perform inspections on all buildings at least once a year
  • Pre-incident planning inspections with no component for fire prevention code enforcement are not fire prevention inspections
• **B – Fire Prevention Inspectors**
  • Must be certified to perform inspections by LA OSFM
Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

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

• CPCE = Credit for Fire Prevention Code and Enforcement
• PCT = Fire Prevention Certification and Training (6 points)

PCT = PIC + PIE

• A – Fire Inspector Certification (PIC)
  • Must be certified by LA OSFM to perform inspections
    • OFSM validates that Certified Inspectors meet criteria defined in NFPA 1031
  \[ PIC = \frac{\text{# of Certified Inspectors}}{\text{# of Inspectors}} \times 3 \]

• B – Fire Inspector Continuing Education (PIE)
  • 24 hours/year
  • Average of 3 most recent years of continuing education
  \[ PIE = \frac{\text{Average # Hours of CE}}{24} \times 3 \]
Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

CPCE = \( \frac{PCR + PS + PCF + PCP}{40} \) x 2.2

- **PCP = Credit for Fire Prevention Programs (16 point)**
  
  \( PCP = PPR + PCO + PQC + PCF + PPP + PPO + PTP \)

  - **PPR = Plan Review...By LA OSFM...(37.5%)**
  - **PCO = Certificates of Occupancy...Residential and Non-Residential...(25%)**
  - **PQC = Quality Control...of Fire Prevention Inspectors...(6.25%)**
  - **PCF = Code Compliance Follow-up...For Violation Correction...(6.25%)**
  - **PPP = Inspections of Private Fire Protection Equipment...(6.25%)**
  - **PPO = Fire Prevention Ordinances...Governing Fire Lanes, Fireworks, HAZMAT Routes, BBQ Grills and the Wildland-Urban Interface or Weeds and Trash...(12.5%)**
  - **PTP = Coordination of Fire Department Training and Pre-Incident Planning...Defined, Written Procedure...(6.25%)**

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Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

\[ CPSE = \frac{FSQT + FSP}{40} \times 2.2 \]

- **CPSE = Credit for Public Fire Safety Education Programs**
  - **FSQT = Fire Safety Educators Qualifications and Training**(25%)

\[ FSQT = FSEC + FSCE \]

- **Fire Safety Education Course (FSEC)...50%**
  - Trained in methods of teaching as specified by the AHJ IAW KSAs found in NFPA 1035

- **Fire Safety Education Continuing Education (FSCE)...50%**
  - 10 hours per year focused on public fire safety education techniques and processes
  - Submit records from previous 3 years

\[ FSEC = \frac{\text{# of Certified Educators}}{\text{# of Educators}} \times 5 \]

\[ FSCE = \frac{\text{Average # of CE hours per educator}}{10} \times 5 \]
Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

CPSE = \( \frac{FSQT + FSP}{40} \times 2.2 \)

• CPSE = Credit for Public Fire Safety Education Programs
  • FSP = Public Fire Safety Education Programs... (75%)

\[ FSP = FSPR + FSPS + FSPJ + FSPL \]

• FSPR = Residential Fire Safety Programs... 33.33%
  • Based on % of population reached

• FSPS = Fire Safety Education in Schools... 33.33%
  • Fire Drills Pre-K through 12th Grade Public or Private Schools
  • ECE Curriculum for Pre-K through 3rd Grade
  • All or None Credit!!

FSPR = % of Population Reached x 5
Credit for Community Risk Reduction (CCRR)

\[ CCRR = CPCE + CPSE + CIP \]

\[ CPSE = \frac{FSQT + FSP}{40} \times 2.2 \]

- **CPSE** = Credit for Public Fire Safety Education Programs
  - **FSP** = Public Fire Safety Education Programs... (75%)
    
    \[ FSP = FSPR + FSPS + FSPJ + FSPL \]

- **FSPJ** = Juvenile Firesetter Intervention Program...16.665%
  - Is there a program?

- **FSPL** = Fire Safety Education Program for Occupancies Having Large Loss Potential or Hazardous Conditions...16.665%
  - Applies to Every Community
  - AHJ Generates the List
  - What do you do to educate those who work in these buildings?
Credit for Community Risk Reduction (CCRR)

\[ CCRR = CPCE + CPSE + CIP \]

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

- **CIP** = Credit for Fire Investigation Programs
  - **IOS** = Fire Investigation Organization and Staffing (IOS)...8 points (40%)
    - A – Fire Investigation Organization (IO)...4 points
      - Authority established by ordinance
      - All or None Credit
    - B – Fire Investigation Staffing (IS)...4 points
      - Sufficient staff to investigate all structure fires
      - May be Company Level Officers with Officer I (or equivalent) certification

\[ IS = \frac{\text{# of Structure Fires Receiving CO Investigations}}{\text{# Structure Fires}} \times 4 \]

\[ IOS = IO + IS \]
Credit for Community Risk Reduction (CCRR)

CCRR = CPCE + CPSE + CIP

CIP = \( \frac{I_{OS} + I_{QT} + I_{RS}}{20} \times 1.1 \)

• CIP = Credit for Fire Investigation Programs
  • IQT= Investigator Certification and Training...6 points (30%)
    • A – Fire Investigator Certification (ICTQ)...3 points...50%
      • Per OSFM: Initial Cause and Origin Determination is a Company Officer Responsibility
      • Must be certified as possessing KSAs defined in NFPA 1033
    • B – Fire Investigator Continuing Education Training (IQTE)...3 points...50%
      • Investigators Serving as Company Officers Require 8 hrs/year (proposed)
      • Investigators Serving as Fire Investigators Require 40 hrs/year
      • Credit will be calculated based on % of members serving in each capacity

\( ICTQ = \frac{\text{# of Certified Investigators}}{\text{# Investigators}} \times 3 \)

\( IQT = ICTQ + IQTE \)
Credit for Community Risk Reduction (CCRR)

\[
CCRR = CPCE + CPSE + CIP
\]

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

- **CIP = Credit for Fire Investigation Programs**
  - **IRS = Use of the National Fire Incident Reporting System...6 points (30%)**
    - LFIRS in Louisiana
    - Credit based on average participation over previous 3 years
    - Annual reporting data is received from LA OSFM
## Total Credit

\[ \text{PPC} = \frac{|100 - \{(\text{CEC} + \text{CFD} + \text{CWS} + \text{COC} + \text{CCRR}) - 0.5[(\text{CWS}) - 0.8(\text{CFD} + \text{COC})]|} {10} \]

### Earned Credit Relative Classification Earned Credit Relative Classification

<table>
<thead>
<tr>
<th>Earned Credit</th>
<th>Relative Classification</th>
<th>Earned Credit</th>
<th>Relative Classification</th>
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</tr>
</tbody>
</table>

Results are rounded up to the next higher whole number.

Numerator cannot be less than 0.01
Credit for Community Risk Reduction

Questions??????
• Reserved for jurisdictions that don’t have a water distribution system with hydrants and who do not perform WH Operations.

• Based on the following:
  • Must meet minimum criteria for a rating
  • PPE
    • Each credited firefighter, while at the fire scene, must have PPE available for use
  • Records
    • Fire Reports
    • Meetings
    • Training Sessions
    • Maintenance of Apparatus and Equipment Including Hose & Pump Test Records
    • Roster of Personnel
  • Equipment on Apparatus
Effective in 2016 you will receive a Customer Satisfaction Survey after your grading results are finalized.

The intent of this survey is to help us to improve our internal and external processes so that we can provide the best possible services to our customers, and we place great value on your feedback.

This is NOT an anonymous survey. If there are issues, our intent is to initiate open and honest dialogue and to act aggressively to resolve those issues.

Finally, participation in the survey is optional, but we can’t fix what we don’t know is broken, so your participation is highly encouraged. And as always, we are also open to positive feedback and suggestions for process improvements.
We’re Done!!

Questions??????