

## 2022 FHCF Premium Calculation Examples

In order to calculate your company's 2022 FHCF premium, you will need the 2022 FHCF Rates and the 2022 FHCF Ratemaking Formula Report. Below are some examples.

### Example #1

Type of Business	Residential	Year Built	2001
Construction	Frame	Structure Opening Protection	Yes
Deductible	\$2,000	Roof Shape	Hip
FHCF Rating Region	1	Coverage Option	90%
Total Exposure	\$1,000,000		

Based on the above information the *FHCF Base Rate* from the rate tables = 0.1169

*Premium prior to FHCF Mitigation Adjustment* = (Base Rate) x (Total Exposure / \$1,000)

$$(0.1169) \times (\$1,000,000 / \$1,000) = \boxed{\$116.90}$$

Use the last page of Exhibit XIV of the 2022 FHCF Ratemaking Formula Report to determine the Final FHCF Premium Adjusted for Mitigation. The steps are illustrated below.

1. *Preliminary Factor* = (year built factor) x (roof shape factor) x (opening protection factor)

$$(0.7839) \times (0.8492) \times (0.8684) = 0.5781$$

2. *Capped Factor* = Preliminary Factor

$$\text{Capped Factor} = 0.5781$$

3. *Final Rate* = (base rate) x (capped factor) x (on balance factor)

$$(0.1169) \times (0.5781) \times (0.9613) = 0.0650$$

4. *Final FHCF Premium Adjusted for Mitigation* = (Final Rate) x (Total Exposure / \$1,000)

$$(0.0650) \times (\$1,000,000 / \$1,000) = \boxed{\$65.00}$$

## Example #2

Type of Business	Residential	Year Built	1990
Construction	Masonry Veneer	Structure Opening Protection	Yes
Deductible	2%	Roof Shape	Gable
FHCF Rating Region	12	Coverage Option	90%
Total Exposure	\$500,000		

Based on the above information the *FHCF Base Rate* from the rate tables = 1.0784

*Premium prior to FHCF Mitigation Adjustment* = (Base Rate) x (Total Exposure / \$1,000)

$$(1.0784) \times (\$500,000 / \$1,000) = \boxed{\$539.20}$$

Use the last page of Exhibit XIV of the 2022 FHCF Ratemaking Formula Report to determine the Final FHCF Premium Adjusted for Mitigation. The steps are illustrated below.

1. *Preliminary Factor* = (year built factor) x (roof shape factor) x (opening protection factor)

$$(1.5176) \times (1.1266) \times (0.8684) = 1.4847$$

2. *Capped Factor* = Preliminary Factor

$$\text{Capped Factor} = 1.4847$$

3. *Final Rate* = (base rate) x (capped factor) x (on balance factor)

$$(1.0784) \times (1.4847) \times (0.9613) = 1.5391$$

4. *Final FHCF Premium Adjusted for Mitigation* = (Final Rate) x (Total Exposure / \$1,000)

$$(1.5391) \times (\$500,000 / \$1,000) = \boxed{\$769.55}$$

### Example #3

Type of Business	Tenants		Year Built	1992
Construction	Masonry		Structure Opening Protection	No
Deductible	\$500		Roof Shape	Unknown
FHCF Rating Region	20		Coverage Option	90%
Total Exposure	\$100,000			

Based on the above information the *FHCF Base Rate* from the rate tables = 1.0664

*Premium prior to FHCF Mitigation Adjustment* = (Base Rate) x (Total Exposure / \$1,000)

$$(1.0664) \times (\$100,000 / \$1,000) = \boxed{\$106.64}$$

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Use the last page of Exhibit XIV of the 2022 FHCF Ratemaking Formula Report to determine the Final FHCF Premium Adjusted for Mitigation. The steps are illustrated below.

1. *Preliminary Factor* = (year built factor) x (roof shape factor) x (opening protection factor)

$$(1.5272) \times (1.0182) \times (1.0256) = 1.5948$$

2. *Capped Factor* = Preliminary Factor

$$\text{Capped Factor} = 1.5948$$

3. *Final Rate* = (base rate) x (capped factor) x (on balance factor)

$$(1.0664) \times (1.5948) \times (0.9913) = 1.6859$$

4. *Final FHCF Premium Adjusted for Mitigation* = (Final Rate) x (Total Exposure / \$1,000)

$$(1.6859) \times (\$100,000 / \$1,000) = \boxed{\$168.59}$$