

“The problem with fire prevention is you can’t measure the fire that didn’t happen because of your efforts”

“The problem with fire prevention is you can’t measure the fire that didn’t happen because of your efforts”

Really?

- 1600 square kms
- 65,000 people
- urban areas, primarily agricultural

- 11 fire stations
- 242 volunteer firefighters
- 1 fire prevention officer
- 15 volunteer fire safety educators

- 5 high schools
- 23 elementary schools
- a large and growing seniors population

Creating the need

## BUILDING STOCK PROFILE

Statistics Canada 2001 figures show the total number of private dwellings as 25,359, representing a population density per square kilometer as 37.9 for a land area of 1,606.95 square km.

1998 data provides the following statistical information:

Residential Dwelling Type	Urban	Rural	Total
Single Detached	7,693	6,409	14,102
Single Attached	418	72	490
Conversions	1,211	121	1,332
Apartments (7+units)	764	0	764
Condominiums	376	1	377
Row Housing	163	0	163
Farm Residence	24	3,044	3,069
Rural Non-Farm	3	150	153
Residence with Commercial	554	263	817
Other	349	763	1,112
Cottages	88	1,906	1,994
TOTAL	11,784	12,756	24,540

A wide variety of housing is available throughout Norfolk County from single family homes in residential subdivisions to apartments, farms and lakefront cottages, all in a variety of urban and rural settings.

NUMBER OF RESIDENTIAL UNITS CONSTRUCTED IN 2003/04					
Building Permit Type	Number 2003	Value 2003	Number 2004	Value 2004	% Change
Single Family	238	\$30.6M	290	\$37.4M	+22%
Multi-Residential	9	\$4.5M	17	\$4.2M	-7%
Additions, Alterations, etc.	489	\$5.8M	429	\$7.7M	+32%
TOTAL NO. OF UNITS	736	\$40.9M	736	\$49.2M	+20%

NUMBER OF RESIDENTIAL UNITS CREATED			
Year	Single Family Dwellings	Multi-Residential Units	Total
2005	291	69	360
2004	290	98	388
2003	238	67	305

## DEMOGRAPHIC PROFILE

### Our Population by Age Groups

Age of Population (2004)	Number	% of Total Population
0-14	13,037	21%
15-64	39,227	64%
65+	9,183	15%
Total	61,447	100%

### Population Projection Summary

Year	Low	Reference	High
2006	64,190	68,600	70,970
2011	67,060	75,820	80,520
2016	63,720	72,410	77,060
2021	61,560	70,180	74,810
2026	60,650	74,260	81,990

The Reference Scenario assumes that there is no change in the birth rate or death rate, but assumes a migration rate which results in a population that, in aggregate has risen by about 0.8% annually, or the historical average annual growth rate for Haldimand-Norfolk.  
Data as provided by Marshall Macklin Monaghan Ltd - Population & Employment Projections Final Report, January 2004.

### Our Vulnerable People/Occupancies

National and provincial statistics have indicated for several years that children and seniors are vulnerable individuals during fire incidents.

Age Intervals	Expected Total Population					
	2001	2006	2011	2016	2021	2026
0-14	11,480	11,490	10,740	11,290	9,500	9,280
15-64	39,450	44,140	47,950	46,220	45,280	46,920
65+	9,920	12,960	17,130	14,910	15,420	18,070
Total	60,850	68,600	75,820	72,410	70,180	74,260

Data as provided by Marshall Macklin Monaghan Ltd - Population & Employment Projections Final Report, January 2004.

Vulnerable groups also include those persons who occupy hospital and nursing home facilities and are dependent upon staff because they are non-ambulatory for a variety of physical or mental reasons.

# Updated our Simplified Risk Assessment

# Public Fire Safety Education Activity Plan for 20\_\_

List fire concerns identified for the municipality (based on the risk assessment and high risk occupancies/demographics in the municipality):

1. COOKING FIRES
2. SMOKING RELATED
3. ELECTRICAL - HEATERS
4. CARBON MONOXIDE RELATED CALLS.
5. WOODSTOVES/FIREPLACE RELATED

(continue list as needed)

NO STAY-ALIVE ALARMS?  
POSSIBLY YES.

MIGRANT/SEASONAL WORKERS?

Month	Fire Safety Concerns/Topics to be Addressed	Audience	Activity(ies)	Where the Activity(ies) Will Take Place/Be Distributed	Timing/ Duration	Resources Required	Where Resources Will Come From
January	HEATING SAFETY. CO SAFETY	ADULTS/ SENIORS.	FIRE SAFETY OLDER ADULTS	MAILS/ SENIOR'S GROUPS	ALL MONTH 45 MIN. 1.5 HRS.	EDUCATORS/ TECHNICAL 2x 26x2(10)	FED. OF EDUCATORS ME
February	WOODSTOVES COOKING-	ADULTS/SENIORS HIGH SCHOOL-	WHAT'S COOKING FOR TEENS.	HIGH SCHOOLS-	5 HIGH SCHOOLS 1 DAY PER SCHOOL.	EDUCATORS- 2x 26x2-(5)	BURSH ALLOTMENT FOR ELEMENTARY
March	MOTHERS/DAUGHTERS COOKING.	CHILDREN STUDENTS-	COMMUNITY MEETINGS-	ELEMENTARY.	30 DAYS- 1 PM DAY.	EDUCATORS 2x 26x2(23)	BURSH.
April	BBQ SAFETY. OPEN AIR BURNING	ADULTS/SENIORS.	MAIL PRESENTATION RADIO INTERVIEWS	SINGLE MAIL- COMMUNITY GROUPS	4 WEEKS SUNDAY.	2x 26x8(8)	BURSH
May	FIREWORKS- COTTAGES- FIRES	ADULTS/SENIORS	MEET COMMUNITY	COMMUNITY GROUPS OPEN HOUSES-	1 OPEN HOUSE WEEK	2x 26x5(10)	NB1
June	OPEN AIR- COTTAGES- COOKING	" "	MEET- FARM GROUP.	MEET ADULTS- - ON FARMING-	1 WEEK- 1 REPEAT WEEK.	2x 26x6(6).	NB1

3. STAY-ALIVE  
ALARMS.



# Norfolk COUNTY Fire Safety Educator Events Calendar

◀ 2015 ▶  
Jan Feb Mar  
Apr May Jun  
Jul Aug Sep  
**Oct** Nov Dec  
Today is Monday, October 26, 2015

October 2015

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	1	2	3
4	5	6	7	8	9	10
FIRE PREVENTION WEEK						
		10:00 am Norfolk County Fair	8:45 am Delhi Public School	11:00 am Norfolk County Fair	11:00 am Norfolk County Fair	10:00 am Norfolk County Fair
		4:00 pm Norfolk County Fair	11:00 am Norfolk County Fair	4:00 pm Norfolk County Fair	4:30 pm Norfolk County Fair	3:30 pm Norfolk County Fair
			4:00 pm Norfolk County Fair			
11	12	13	14	15	16	17
11:00 am Norfolk County Fair	11:00 am Norfolk County Fair		9:00 am - 2:30 pm Walsh Public School		4:00 pm - 7:30 pm Waterford Pumpkinfest Open House	9:00 am Waterford Pumpkinfest Op
3:30 pm Norfolk County Fair	3:30 pm Norfolk County Fair					10:00 am Delhi Rockets Fun Day
						10:00 am Cut for the Cure
18	19	20	21	22	23	24
			10:00 am - 6:00 pm NACL Employee and Family Wellness F	10:00 am - 11:00 am Delhi Laugh and Learn Preschool	9:00 am - 3:00 pm Courtland Public School	10:00 am - 12:30 pm Firefighters for Literacy
25	26	27	28	29	30	31
	9:00 am - 1:30 pm West Lynn Public School		9:00 am - 1:00 pm Lynndale Heights			

- Home
- PURCHASE / SUPPLY REQUEST
- Facilities Service Request
- Fire Calendar
- TRAINING
- MONTHLY TRAINING
- Fire Safety Educators
- FSE Documents
- School Presentations 2014/2015
- FSE Events Calendar
- Documents
  - Stn 1 Simcoe
  - Stn 2 Port Dover
  - Stn 3 Waterford
  - Stn 4 Teeterville
  - Stn 5 Delhi
  - Stn 6 Courtland
  - Stn 7 Langton
  - Stn 8 Fairground
  - Stn 9 Port Rowan
  - Stn 10 St Williams
  - Stn 11 Vittoria
  - Fire Dispatch Reports
  - Fire Forms
  - Policies

http://net4.norfolkcounty.on.ca/csd/fire/Lists/Fire%20Safety%20Educator%20Events%20Calendar/DispForm.aspx?ID=200&Source=http%3A%2F%2Fnet4

National Fire Codes Subscripti...

Fire Safety Educator Events ...

FileEditViewFavoritesToolsHelp

Scott Pipe

SHARE

BROWSEVIEWCUSTOM COMMANDS

Edit ItemManage

Version History

Shared With

Delete Item

Add Alert

Print

Alert Me

Workflows

Home

PURCHASE / SUPPLY REQUEST

Facilities Service Request

Fire Calendar

TRAINING

MONTHLY TRAINING

Fire Safety Educators

FSE Documents

School Presentations 2014/2015

FSE Events Calendar

Documents

Stn 1 Simcoe

Stn 2 Port Dover

Stn 3 Waterford

Stn 4 Teeterville

Stn 5 Delhi

Stn 6 Courtland

Stn 7 Langton

Stn 8 Fairground

Stn 9 Port Rowan

Stn 10 St Williams

Stn 11 Vittoria

Fire Dispatch Reports

Fire Forms

Policies

MINUTES

SOGs

HEALTH AND SAFETY

Lesson Plans

Command and Check Sheets

Title

Location

Start Time

End Time

Description

Prep Time

Prep-time details

FSEs Attending

Firefighters Assisting

Resources Required

All Day Event

Recurrence

Approved

Results and Evaluation of Presentation

Category

Delhi Public School

Delhi Public School

10/7/2015 8:45 AM

10/7/2015 12:00 PM

Gr. 3/4 2 Classes

0.5

Collection and organization of FSE educational material.  
Phone calls to arrange training.

James Robertson; Brad Bakker

Yes

(fire drill and meal break caused long delay in middle of second presentation. New 3/4 presentation well revived, but it difficult to fit into time frame. Felt rushed. Recommend revision and elimination of duplicate topics. approx 70 kids. Teachers evaluations very positive.

Created at 9/24/2015 9:44 PM by James Robertson

Last modified at 10/7/2015 12:36 PM by James Robertson

Close

11:43 AM

26/10/2015



**Norfolk County Fire**  
@NorfolkCoFire  
Norfolk County Fire & Rescue Services  
Official Twitter. Emergency call 911/Non-Emerg 519 426-4115. Account is not monitored 24/7

Simcoe, Ontario, CA  
norfolkcountyfire.ca  
Joined February 2011



TWEETS 464 FOLLOWING 600 FOLLOWERS 1,086 FAVORITES 3 LISTS 1

Edit profile

Tweets Tweets & replies Photos & videos

- Norfolk County Fire Retweeted  
**Norfolk News** @TheNorfolkNews · Oct 21  
@NorfolkCoFire & @norfolklibrary team up to promote #reading & #firesafety norfolknews.ca/whatson-story/... #firefighters #ilovenorfolk
- Norfolk County Fire** @NorfolkCoFire · Oct 17  
Find out where you need a CO alarm if you live in a condo/apartment building #COsafety ontario.ca/firemarshal
- Norfolk County Fire** @NorfolkCoFire · Oct 16  
It's the law! Install carbon monoxide alarms #COsafety

Who to follow · Refresh · View all

- robbyndoolittle** @robbynd...  
Follow
- JAMA** @JAMA\_current  
Follow
- André Picard** @picardon...  
Follow

Find friends

Trends · Change



TweetDeck

English - All Documents

https://tweetdeck.twitter.com

Apps

U.S. Fire Administrat...

TweetDeck

Firehawk Swag, Appar...

Heating Things Up a...

What goes into a UL...

What Goes Up Must ...

In-Pulse CPR - » Trib...

Ministry of Commu...

Golden Graphics S...


WFR Wholesale Fire ...

Display Fireworks M...

Fire Prevention Wee...

New Tweet

From



Tweet

It is against the law to remove batteries or tamper with CO alarms in any way. #Cosafty ontario.ca/firemarshal

Your scheduled Tweet will send even if TweetDeck is not running at the time.

28

Tweet at 12:13pm

Add image

12:13pm · 26 Oct 2015

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PM

October 2015

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Remove



Stay open

Home @NorfolkCoFire


**Toronto Police** @TorontoPolice now  
1026 12:11 Woman Arr. On Canada Wide Warrant For 2013 Home Invs Invst, Fc 5 Chgs torontopolice.on.ca/newsreleases/3...


**Mohawk College News** retweeted  
**Mohawk Library** @mohawkl... 13m  
How to make studying anatomy awesome? The sandbox! Just ask nursing students; Emma, Monica & Kalina. @MohagwCollege pic.twitter.com/h62psVaN2R


**National Post** @nationalpost 2m  
#Leafs switch up their goalies, turn to James Reimer for game against #Coyotes netpo.st/1H4F9yT via @npsport pic.twitter.com/shSaXinhMZ


**The Globe and Mail** retweeted  
**Globe Small Business** @Glo... 4m  
Just 20 minutes until the @GlobeSmallBiz live chat on how your business can go global. Send us your questions. tgam.ca/globalchat


Notifications @NorfolkCoFire


**Fred Mayo** followed you  
**Fred Mayo** @FredMayo03


**Shi Cheverie** followed you  
**Shi Cheverie** @ShiCheverie  
#ShiCheverie  
#LiquidBioCellCanada

**Peter Somerton** followed you  
**Peter Somerton** @somerton\_peter  
Eastern Canadian Regional Sales Manager Fort Garry Fire Trucks


**Norfolk News** @TheNorfolkN... 4d  
@NorfolkCoFire & @norfolklibrary team up to promote #reading & #firesafety  
norfolknews.ca/whatson-story/... #firefighters #ilovenorfolk


**R.A. Bennett Insurance** @RA... 7d  
@NorfolkCoFire this is the last week of voting- we need everyone's help!  
avivacomunityfund.org/ideas/acf32363 #community #halldiamond


**Kevin Hall** retweeted  
**Norfolk County Fire** @Norfol... 9d  
Find out where you need a CO alarm if you live in a condo/apartment building  
#Cosafty ontario.ca/firemarshal


**alex burbidge** retweeted  
**Norfolk County Fire** @Norfol... 9d  
Find out where you need a CO alarm if you live in a condo/apartment building  
#Cosafty ontario.ca/firemarshal


Messages @Norfol...


**James Marshall + 10** 87d  
OFLSE left Attachment: image


**Jackie Mussel** @jackiemussel 125d  
I hear there is a new Deputy Fire Chief... any official announcement yet?


**MattyBRaps brother** @Mat... 162d  
hi


**Kim** @talk2kimhuffman 182d  
Thanks for the follow! -via @crowdfire


**Joe Archer** @ArcherJoe 435d  
A true firefighter in the making!


**FIRE SAFETY COUNCIL** ... 528d  
Thanks for the follow!

**Norfolk, ON Weather** @Norf... 531d  
Thank you for following Norfolk, ON Weather.



**Delhi News Record** @Delhi... 1817d  
Please be advised Norfolk County Fire/Rescue Twitter site user name has changed.



**Jason Bowyer** @jaybowye... 1817d  
Please be advised Norfolk County Fire/Rescue Twitter site user name has changed.


**Spectrum Comm** @Spectr... 1817d  
Please be advised Norfolk County Fire/Rescue Twitter site user name has changed.


**Delhi News Record** @Del... 1817d  
Please be advised Norfolk County Fire/Rescue Twitter site user name has changed.


Activity @NorfolkCoFire

**Katie Starr** followed  
**Paul Wells** @inklessPW  
Political editor of Maclean's magazine. 'Whatever you think can't be done, somebody will come along and do it' — Thelonious Monk


**Katie Starr** followed  
**Paul McLeod** @pdmcleod  
Politics Editor for BuzzFeed Canada. Borderline churlish. paul.mcleod@buzzfeed.com


**Johnson Co. Library** @joc... 18m  
Who else wants to #MakeABookSpooky @CharlesCoLib @scgovLibrary @BtdLibrary @JCPL @KCLibrary The Costumes of Atuan-Ursula K LeGuin #punny


**Dr. David Griffin** @OnAMiss... 20m  
@BelvedereParkW @firenation Thank you.


**GELAGranderie** @GELAGrand... 2h  
It's #HalloweenWeek - Disney is coming to GELA!  
pic.twitter.com/xBN9VyzsCZ


User @NorfolkCoFire


**Norfolk County Fire** retweeted  
**Norfolk News** @TheNorfolkN... 4d  
@NorfolkCoFire & @norfolklibrary team up to promote #reading & #firesafety  
norfolknews.ca/whatson-story/... #firefighters #ilovenorfolk


**Norfolk County Fire** @Norfol... 9d  
Find out where you need a CO alarm if you live in a condo/apartment building  
#Cosafty ontario.ca/firemarshal

**Norfolk County Fire** @Norfo... 10d  
It's the law! Install carbon monoxide alarms #Cosafty ontario.ca/firemarshal

**Norfolk County Fire** @Norfo... 11d  
Landlords must ensure CO alarms are installed and maintained in rental properties.  
ontario.ca/firemarshal #Cosafty

**Norfolk County Fire** @Norfo... 13d  
Crews will be visiting your homes, helping to check your smoke and CO alarms @myFM989 @Simcoe\_Reformer @TheNorfolkNews @PDMAppleLeaf

**Norfolk County Fire** @Norfo... 14d  
Water and grease don't mix. See what happens if you put water on a grease fire while cooking: goo.gl/22Qhc8

**Norfolk County Fire** @Norfo... 17d  
The @NFERA Smoke Alarm

12:13 PM 26/10/2015

## Tweet


It is against the law to remove batteries or tamper with CO alarms in any way. #COsafety ontario.ca/firemarshal

Your scheduled Tweet will send even if TweetDeck is not running at the time.

28

Tweet at 12:13pm

 Add image

 12:13pm · 26 Oct 2015

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October 2015

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27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

 Remove

Stay open 

## Details

 Mohawk College News retweeted



**Mohawk Library** @mohawkli... 13m  
How to make studying anatomy awesome? The sandbox! Just ask nursing students; Emma, Monica & Kalina @MohawkCollege  
[pic.twitter.com/h62psVaN2R](https://pic.twitter.com/h62psVaN2R)



Details



**National Post** @nationalpost 2m  
#Leafs switch up their goalies, turn to James Reimer for game against #Coyotes [natpo.st/1H4F9yT](https://natpo.st/1H4F9yT) via @npsport  
[pic.twitter.com/shSaXlnhMZ](https://pic.twitter.com/shSaXlnhMZ)



Details

 The Globe and Mail retweeted



**Globe Small Business** @Glo... 4m  
Just 20 minutes until the @GlobeSmallBiz live chat on how your business can go global. Send us your questions.  
[tgam.ca/globalchat](https://tgam.ca/globalchat)

Details

established our objectives

start Gathering Data:

quantitative and qualitative

measure our progress

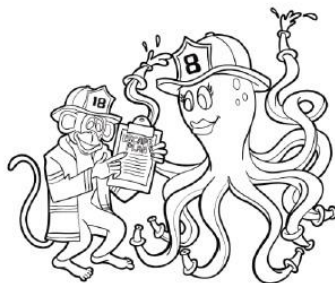




## Fire and Life Safety Education Lesson Plan

For

Grade 3 & 4



[www.befiresafe.ca](http://www.befiresafe.ca)



### Norfolk County Fire & Rescue Services

95 Culver Street Simcoe  
Phone: (519) 426 4115 \* Fax (519) 426 4140

#### Presentation Evaluation Form

To assist us in evaluating the effectiveness of our fire and life safety presentations, we would appreciate receiving your comments and/or suggestions.

1. This presentation met my expectations Yes No
2. The content was appropriate to my students' needs Yes No
3. I found this information useful Yes No
4. How would you rate this presentation overall? (circle one)

Poor

Satisfactory

Excellent

5. Which topics did you find most useful?

6. Which topics did you find the least useful?

Additional comments?



### Norfolk County Fire & Rescue Services

95 Culver Street Simcoe  
Phone: (519) 426 4115 \* Fax (519) 426 4140

Dear Teacher

Thank you for allowing Norfolk County Fire and Rescue Services into your classroom to teach fire and life safety skills. We are committed to helping you and your students stay fire safe.

To ensure that our presentation is effective in doing this, we have included evaluation forms for you and your students to complete. We covet the input of our professional educators and view you as a tremendous resource in helping us determine the level of fire safety knowledge your class has acquired, as well as assisting us in our planning for future fire and life safety presentations.

We appreciate you taking the time to complete and return these forms to the Fire Prevention Bureau at your earliest convenience. I can assure you that your privacy will be protected, so please be as honest as possible.

Together we can keep our community safe from fire.

Scott Pipe  
Captain/Fire Prevention Officer

focus groups

## Quantitative data:

- Smoke alarm campaign
- fire inspections
- school presentations
- fire investigations



Smoke/CO Alarm Campaign – Data Collection Form  
Complete this form for every residence in which a smoke/CO alarm check is conducted.

Date		Check Completed By	
Address			
Owner's Name			
Occupant's Name			

Residence Information	Detached____ Semi-detached____ Duplex____ Townhouse____	
	Total number of stories in residence (including basement)	
	Was this residence in compliance with the smoke/CO requirements of the Ontario Fire Code?	YES <input type="checkbox"/> NO <input type="checkbox"/>

If not, what was the reason for non-compliance ( Check all that apply)	
Smoke alarm(s) not installed on every story	<input type="checkbox"/>
Carbon Monoxide alarm(s) not installed outside sleeping areas	<input type="checkbox"/>
Smoke/CO alarm(s) not working due to missing batteries	<input type="checkbox"/>
Smoke/CO alarm(s) not working due to dead batteries	<input type="checkbox"/>
Smoke/CO alarm(s) not working do to other reasons	<input type="checkbox"/>

What actions were taken by the Norfolk County Fire and Rescue Services ( Check all that apply)	
Requested the Occupant install smoke/CO alarm(s)	<input type="checkbox"/> #
Requested the Occupant install batteries	<input type="checkbox"/> #
Provided and installed loaner smoke/CO alarm(s)	<input type="checkbox"/> #
Provided and installed loaner batteries	<input type="checkbox"/> #
Completed a <b>Notice to Occupant</b> form	<input type="checkbox"/>

Notes:

Collect information from our smoke alarm campaign.

# collect data from suppression responses



Norfolk County Fire & Rescue Services  
95 Culver Street  
Simcoe, ON N3Y 2V5  
519 426 4115

## Notice to Owner/Occupant

Fire Occurrence Number: \_\_\_\_\_

On \_\_\_\_\_ at approximately \_\_\_\_\_ hrs. Norfolk County Fire & Rescue Services responded to the following location:

Address: \_\_\_\_\_

Owner/Occupant Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

### The cause or probable cause that prompted the dispatch to your location:

- ☐ Fire Alarm activation
- ☐ Sprinkler System
- ☐ Carbon Monoxide Alarm Activation or CO Symptoms
- ☐ Open Air Burning
- ☐ Smoke Alarm
- ☐ Other: \_\_\_\_\_

### Upon initial completion of Norfolk County Fire's investigation, you are required to:

- ☐ Maintain/replace your carbon monoxide alarms(s)
- ☐ Maintain/replace your smoke alarm(s)
- ☐ Have your fuel burning appliance serviced by a licensed contractor before use
- ☐ Contact the Fire Prevention Officer (519 426 4115 ext 2402)
- ☐ Cease unauthorized open air burning
- ☐ Other: \_\_\_\_\_

- ☐ Incident scene has been released (See Item 1 on Reverse)
- ☐ I have read and understand the conditions of the smoke/CO alarm waiver. (See Item 2 on Reverse)
- ☐ A fire watch is required (See Item 3 on Reverse)

By signing, I agree to the conditions as noted

\_\_\_\_\_  
OWNER / REPRESENTATIVE / AGENT / AGENCY / OCCUPANT  
(Print)

\_\_\_\_\_  
OWNER / OCCUPANT / REPRESENTATIVE / AGENT / AGENCY  
(Signature)

\_\_\_\_\_  
NCFRS representative (Print)

\_\_\_\_\_  
NCFRS representative (Signature)

# Newfolk County Fire & Rescue Services



## CO Alarms

What CO protection do I need?

**What is a CO alarm?**  
A device that detects the presence of carbon monoxide (CO) in the air and sounds an alarm to warn you.

**Why do I need a CO alarm?**  
CO is a colorless, odorless, and tasteless gas that can be deadly. It is often called the "silent killer" because you can't see or smell it. CO is produced by burning fuels like gas, oil, wood, and coal. It can enter your home from a nearby fire or from a faulty appliance.

**How do I know if I have a CO problem?**  
Symptoms of CO poisoning include headaches, dizziness, nausea, and fatigue. If you experience these symptoms, especially if they are worse at night, you should get a CO alarm installed immediately.

**Where should I install a CO alarm?**  
CO alarms should be installed in every bedroom and in a central location outside of each sleeping area. They should be tested regularly and replaced every 7-10 years.



**Types of CO Alarms:**

- Hardwired:** Connected to your home's electrical system.
- Battery-powered:** Operate on batteries.
- Interconnected:** All alarms sound together when one detects CO.
- Smart:** Can be monitored remotely via a smartphone app.

**How many CO alarms do I need?**



**How many CO alarms do I need?**

At least one CO alarm in every bedroom and one in a central location outside of each sleeping area.

**How many CO alarms do I need?**



**How many CO alarms do I need?**

At least one CO alarm in every bedroom and one in a central location outside of each sleeping area.

**CO Alarms: Save Lives**

CO is a silent killer. Don't wait until it's too late. Get a CO alarm today.





## Norfolk County Fire & Rescue Services



# Smoke Alarms

What kind of smoke alarm do I want?

<p><b>Photoelectric smoke alarm</b>  <small>Photoelectric smoke alarms are designed to detect the light scattering pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>	<p><b>Photoelectric smoke alarm</b>  <small>Photoelectric smoke alarms are designed to detect the light scattering pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>
<p><b>Ionization smoke alarm</b>  <small>Ionization smoke alarms are designed to detect the ionization pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>	<p><b>Ionization smoke alarm</b>  <small>Ionization smoke alarms are designed to detect the ionization pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>
<p><b>Combination smoke alarm</b>  <small>Combination smoke alarms are designed to detect the light scattering pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>	<p><b>Combination smoke alarm</b>  <small>Combination smoke alarms are designed to detect the light scattering pattern of smoke particles that are typical of fires that produce a lot of smoke, such as a fire in a room with a lot of furniture.</small></p>

**Important information:**

- All new smoke alarms must be hard-wired into the home's electrical system.
- All new smoke alarms must be interconnected so that all alarms sound when one alarm sounds.
- All new smoke alarms must be labeled "UL Listed" or "UL Recognized".
- All new smoke alarms must be labeled "10 Year Life Expectancy".



### *Prevention, Code Enforcement, Emergency Response*





## FIRE SAFETY EDUCATION

Fire Safety Education comes in many different forms. Programs differ in size and approach however they all aim to meet the same goal of achieving an acceptable level of fire safety for the community and to ensure the safety of its residents in the event of a fire. Educators provide the information necessary to reduce the occurrence, spread, and impact of fire. Effective community planning is necessary in reducing fires and preventable injuries which is why NCFRS has a five-step plan to implement successful fire-education programs:

- 1. Conduct a simplified risk assessment:** NCFRS uses statistics collected from various reports and program feedback to determine the areas of greatest risk and those who will be most affected by this determined risk.
- 2. Develop community partnerships:** NCFRS is proud to have formed many strong partnerships with local organizations that can help to solve community safety problems. Local media outlets, Senior's Support Services, Annex Publishing, EMS, OPP, and various local businesses have all shown a vested interest in the success of various programs and in the improvement of the quality of life for Norfolk County residents.
- 3. Create an intervention strategy:** In 2014, NCFRS created a list of programs based on identified fire risks. All of these programs follow specific lesson plans to target certain demographics.





**4. Implement the strategy:** Norfolk County Fire and Rescue Services is proud to offer the following educational programs:

- Community Helpers is a tour and presentation to first grade students to help establish emergency service workers as trustworthy and safe.
- 'What's Cooking' is targeted at High School students in an effort to teach safe cooking practices as cooking is the highest cause of fires according to Norfolk County Response Statistics.
- Norfolk County Fair and Horse Show has always been aimed at reaching children but is now being used to educate families and seniors as they are a high-risk, hard to reach demographic.
- Save Our Senior's is an initiative endorsed by the Office of the Fire Marshal to teach seniors fire prevention and mitigation. This program is delivered to two seniors groups per month.
- Elementary School and General Presentations will continue to be delivered; however they will only be given to grades 2-4 unless otherwise requested. This ensures that all or most students are covered without having too much overlap. This also allows more time for Fire Safety Educators to focus their efforts on other initiatives. NCFRS also has many requests for appearances and presentations at special events, open houses, etc., that do not fall under a particular category yet still have great educational value.
- After The Fire is an initiative that sends educators to the homes close to a fire after it has occurred. Educators provide valuable messages to residents who would have seen or been affected by the fire. There is a substantially greater chance of the message being received by residents who have seen a fire firsthand.

**5. Evaluate the results:** NCFRS now uses objectives instead of benchmarks to measure the progress of educational efforts. Smoke alarm campaigns, incident responses, investigations, and presentation evaluations help to ensure the progression towards achieving set goals. NCFRS has made effective use of resources and they are being appropriately and efficiently utilized.



a measure of success

thank you