

CLERK'S OFFICE
APPROVED
Date: 3-16-04

Submitted by: Mayor Begich & Assembly
Chair Traini
Prepared by: Development Services
Department
For Reading: March 2, 2004

ANCHORAGE, ALASKA
AO NO. 2004-64

**AN ORDINANCE AMENDING ANCHORAGE MUNICIPAL CODE TITLE 23 TO SET
LOCAL BUILDING CODE REQUIREMENTS FOR CARBON MONOXIDE DETECTORS IN
RESIDENTIAL OCCUPANCIES.**

THE ANCHORAGE ASSEMBLY ORDAINS:

Section 1. Anchorage Municipal Code Title 23 is hereby amended to read as follows (*the remainder of the title is not affected, and therefore not set out*):

23.15.907.2.10

Single-and multiple-station smoke alarms

Amend by changing the title of this section to **Single-and multiple-station smoke
alarms and carbon monoxide detectors.**

23.15.907.2.10.1.2.1

**Carbon monoxide detectors in groups R-2, R-3, R-
4, and I-1**

Add a new subsection 23.15.907.2.10.1.2.1, Carbon monoxide detectors in groups
R-2, R-3, R-4, and I-1, to read as follows:

Single- or multiple-station carbon monoxide detectors shall be installed and
maintained in Groups R-2, R-3, R-4, and I-1, regardless of occupant load at all of the
following locations:

1. On the ceiling or wall outside of each separate sleeping area in the immediate
vicinity of bedrooms.
2. In dwelling units, single-and multiple-station carbon monoxide detectors shall
be installed on each floor. Where there are sleeping rooms on a floor, the
detector shall be placed outside of the sleeping rooms. When more than one
detector is required to be installed within an individual dwelling unit the alarm
devices shall be interconnected in such a manner that the actuation of one
alarm will activate all of the alarms in the individual unit. The alarm shall be
clearly audible in all bedrooms over background noise levels with all
intervening doors closed.

23.15.907.2.10.1.4

Additions, Alterations, or Repairs to Group R

Amend by adding a second and third exception to read as follows:

2. Carbon monoxide detectors in existing areas shall not be required to be interconnected and hard wired where alterations or repairs do not result in the removal of the interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space, or basement available which could provide access for hard wiring and interconnection without the removal of the interior finishes.

3. Carbon monoxide detectors shall be permitted to be electrical outlet type with battery back-up.

23.15.907.2.10.2 **Power Source**

Add a new paragraph to read as follows:

In new construction, the required carbon monoxide detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for over current protection. Carbon monoxide detectors shall be permitted to be electrical outlet type with battery back up when installed in existing buildings or in buildings that undergo alterations, repairs or additions regulated by section 23.15.907.2.10.1.4.

23.15.907.2.10.3 **Interconnection**

Amend by substituting the words "smoke alarms and carbon monoxide detectors" in each place that the words "smoke alarms" occur.

23.65.408 **Fire Alarms**

Amend by changing the title of this section to **Fire Alarms and Carbon Monoxide Detectors.**

23.65.408.1 **Smoke Detectors**

Amend by changing the title of this section to **Smoke Detectors and Carbon Monoxide Detectors.**

23.65.408.1.1 **Alterations, Repairs and Additions**

Amend by substituting the words "smoke detectors and carbon monoxide detectors" in each place that the words "smoke detectors" occur.

23.65.408.1.2 **Power Source**

Amend by substituting the words "smoke detectors and carbon monoxide detectors" in each place that the words "smoke detectors" occur.

23.85.R317 **Smoke Alarms**

Amend by changing the title of this section to **Smoke Alarms and Carbon Monoxide Detectors.**

23.85.R317.3 **Carbon Monoxide Detectors**

Add a new subsection R317.3, Carbon Monoxide Detectors, to read as follows:

Single-and multiple-station carbon monoxide detectors shall be installed on each floor. Where there are sleeping rooms on a floor, the detector shall be placed outside of the sleeping rooms.

When more than one detector is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

All carbon monoxide detectors shall be listed and installed in accordance with the provisions of this code.

23.85.R317.3.1 Alterations, Repairs and Additions

Add a new subsection R317.3.1, Alterations, Repairs and Additions, to read as follows:

When interior alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be provided with carbon monoxide detectors as required for new dwellings; the carbon monoxide detectors shall be interconnected and hard wired.

Exceptions:

1. Carbon monoxide detectors in existing areas shall not be required to be interconnected and hard wired where alterations or repairs do not result in the removal of the interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space, or basement available which could provide access for hard wiring and interconnection without the removal of the interior finishes.
2. Repairs to the exterior surfaces of dwellings are exempt from the requirements of this section.

23.85.R317.4 Power Source


Add a new subsection R317.4, Power Source, to read as follows:

In new construction, the required carbon monoxide detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for over current protection. Carbon monoxide detectors shall be permitted to be electrical outlet type with battery back up when installed in existing buildings or in buildings that undergo alterations, repairs or additions regulated by section 23.85.R317.3.1.

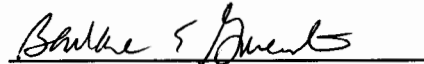
Section 2. The proposed ordinance will have an economic impact on homeowners and contractors who have to purchase carbon monoxide detectors. There is no economic impact to the Municipality of Anchorage.

Section 3. This ordinance shall take effect immediately upon passage and approval by the Anchorage Municipal Assembly.

PASSED AND APPROVED by the Anchorage Assembly this 16th day of March, 2004.


Chair

ATTEST:



Municipal Clerk

MUNICIPALITY OF ANCHORAGE
Summary of Economic Effects -- General Government

AO Number: 2004- 64

Title: AN ORDINANCE AMENDING ANCHORAGE MUNICIPAL CODE TITLE 23 TO SET
LOCAL BUILDING CODE REQUIREMENTS FOR CARBON MONOXIDE
DETECTORS IN RESIDENTIAL OCCUPANCIES.

Sponsor: Mayor

Preparing Agency: Development Services Department

Others Impacted: Same

CHANGES IN EXPENDITURES AND REVENUES:

(In Thousands of Dollars)

	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>
Operating Expenditures					
1000 Personal Services	\$ -				
2000 Non-Labor	-				
3900 Contributions	-				
4000 Debt Service	-				
TOTAL DIRECT COSTS:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Add: 6000 Charges from Others					
Less: 7000 Charges to Others					
FUNCTION COST:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

REVENUES:

CAPITAL:

POSITIONS: FT/PT and Temp

PUBLIC SECTOR ECONOMIC EFFECTS:

There are no public sector economic effects.

PRIVATE SECTOR ECONOMIC EFFECTS:

There is a small cost for materials and labor to install hard-wired detectors in new construction or in remodel work. Exact figures are not available, but given the existing requirement for smoke detectors and their associated wiring combined with potential use of combination smoke/carbon monoxide dection, the incremental cost should be low.

AC plug-in type units for existing occupancies are found locally for under \$50.00 and do not require professional installation.

Prepared by: Ron Thompson

Telephone: 343-8307

MUNICIPALITY OF ANCHORAGE

ASSEMBLY MEMORANDUM

No. AM 221 -2004

Meeting Date: March 2, 2004

From: Mayor

Subject: AN ORDINANCE AMENDING ANCHORAGE MUNICIPAL CODE TITLE 23 TO SET
LOCAL BUILDING CODE REQUIREMENTS FOR CARBON MONOXIDE DETECTORS
IN RESIDENTIAL OCCUPANCIES.

Recent deaths in Anchorage due to carbon monoxide poisoning have prompted a community response for regulations requiring installation of carbon monoxide detectors. The detectors are relatively inexpensive and easy to install.

This request is to amend Anchorage Municipal Code Title 23, specifically the 2000 International Building Code, the Anchorage Existing Buildings Code, and the 2000 International Residential Code with respect to residential occupancies, not including hotels. UL listed carbon monoxide detectors would be required on each floor and outside of any sleeping areas, and could be combined with smoke detectors that are currently required by code. Carbon monoxide detectors will also be required in existing homes, although they can be "plugged in" with battery backup, rather than hard-wired. If a remodel occurs that requires ceiling finishes to be removed, then hard-wired, interconnected detectors will be required.

Based upon the above information, approval is recommended for revisions to Title 23 to make carbon monoxide detectors a requirement in Anchorage.

Prepared by: Ron Thompson, Director, Department of Development Services

Concur: Denis LeBlanc, Municipal Manager

Respectfully Submitted: Mark Begich, Mayor

**Municipality
of
Anchorage**



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Mark Begich, Mayor

OFFICE OF THE MAYOR

**ANCHORAGE, ALASKA
AO NO. 2004-64**

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MONOXIDE DETECTORS IN RESIDENTIAL OCCUPANCIES.**

I am proud to endorse the Assembly's passage of this important ordinance on March 16, 2004. The recent tragedies in Anchorage have led to widespread community support for this change to Code, which will help to end to carbon monoxide poisoning in the Municipality of Anchorage.

A handwritten signature in black ink, appearing to read "Mark Begich", is written over a horizontal line.

Mark Begich
Mayor

Content Information**Content ID :** 001562**Type:** Ordinance - AO

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Author: gonzalezv**Initiating Dept:** Dev_Svs**Date Prepared:** 2/11/04 3:46 PM**Director Name:** Ron Thompson**Assembly****Meeting Date** 03/02/04**MM/DD/YY:**

Public Hearing
Date MM/DD/YY: 04/13/04

2004 FEB 27 AM 11:19
ANCHORAGE MUNICIPAL CODE

Workflow History

<u>Workflow Name</u>	<u>Action Date</u>	<u>Action</u>	<u>User</u>	<u>Security Group</u>	<u>Content ID</u>
AllOrdinanceWorkflow	2/11/04 3:52 PM	Checkin	gonzalezv	Public	001562
Dev_Svs_SubWorkflow	2/11/04 4:23 PM	Approve	thompsonrj	Public	001562
OMB_SubWorkflow	2/19/04 2:46 PM	Approve	wiltsep	Public	001562
AllOrdinanceWorkflow	2/19/04 3:40 PM	Reject	fehlenrl	Public	001562
AllOrdinanceWorkflow	2/23/04 9:29 AM	Checkin	gonzalezv	Public	001562
Dev_Svs_SubWorkflow	2/24/04 10:22 AM	Approve	thompsonrj	Public	001562
OMB_SubWorkflow	2/24/04 1:57 PM	Approve	wiltsep	Public	001562
Legal_SubWorkflow	2/24/04 3:45 PM	Approve	fehlenrl	Public	001562
MuniManager_SubWorkflow	2/27/04 10:18 AM	Approve	leblancdc	Public	001562
MuniMgrCoord_SubWorkflow	2/27/04 10:21 AM	Approve	katkusja	Public	001562