



COMMONWEALTH of VIRGINIA

Tim Kaine
Governor

DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT

Patrick O. Gottschalk
Secretary of
Commerce and Trade

William C. Shelton
Director

MEMORANDUM

DATE : July 31, 2006

TO : Senator John Watkins, Chairman, Building and
Accessibility Sub-Committee, Virginia Housing Commission

FROM : Emory Rodgers, Deputy Director, Building and Fire
Regulation Division, Department of Housing and Community Development

SUBJECT : Briefing Report on Multi-family Fires in Existing Buildings
Housing Seniors over 55 years of age and Retroactive Fire
Protection Systems Contained in the Uniform Statewide
Building Code (USBC).

The Department is pleased to have the opportunity and appreciate your time to provide a briefing report that outlines how the General Assembly and the Board of Housing and Community Development have pro-actively addressed existing building and fire safety matters that have arisen over the past 25-years here in the Commonwealth.

Virginia has been a national leader when it comes to enacting retroactive measures for existing buildings. This leadership is demonstrated by the very thorough and inclusive process that is undertaken by the Virginia Housing Commission and by both the General Assembly and the Board of Housing and Community Development (BHCD) to develop consensus legislative and regulatory solutions to oftentimes very tragic state or national events that precipitate a need to evaluate and then carefully revise and amend our statewide building and fire codes to reflect positive, practical and reasonable legislative and regulatory changes.

In that Virginia was one of the first states, in 1973, to adopt a mandatory statewide building code based on a family of national model codes and then approximately every three years, the BHCD promulgates regulations based on the latest model code editions, we have been able to take advantage of the latest technologies, building materials and design changes that ensures our altered and newly constructed buildings have the best and most up-to-date building and fire safety measures avoiding the necessity to routinely enact retroactive measures for existing buildings.

From our first attached report, we have described for you those retroactive building and fire safety measures that have been enacted and placed into our USBC for a number of residential occupancies that include hotels,



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motels, apartments, nursing homes, hospitals, dormitories, group homes and assisted living facilities. The two most common retroactive measures have been smoke detectors, providing early warning to residents, and sprinklers to minimize the spread of fire. Smoke detector have been retroactive requirements for existing residential buildings containing college dormitories, juvenile group homes, assisted living facilities, hotels, motels, apartments and for facilities where there are deaf and hearing impaired persons. Sprinklers have been required in hospitals, nursing homes, hotels and motels over three stories and for college dormitories over 75 feet. The amount of time given for owners to comply with these retrofit measures was from three to seven years.

Additionally, the Board of Housing and Community Development promulgated into the 2003 USBC that was based on 2004 General Assembly legislation to require for senior housing designed, marketed and constructed for those 55 years of age and older to have sprinklers installed in attic spaces where not required by the national model building code. A copy of the legislation and the regulation is included for your review.

With the recent Richmond fire in an existing senior housing facility, not required when built to be sprinkled, but required to have smoke detectors and resulting in the tragic lost of lives, there is certainly the opportunity and a need to review and evaluate if further retroactive measures might be warranted for this type of existing residential buildings.

A second attachment provides for you information on some local water hook-up fees that are assessed when a fire line for the sprinkler system is installed in these localities. As you will see these hook-up fees can be quite expensive and would not include any costs associated with the excavation and restoration work that will be necessary for any retrofit sprinkler installation.

For FY 2003 to FY 2005 Virginia fire data reports show there were 268 injured persons with 19 deaths and 73 injured Firefighters in multi-family dwelling fires. The larger and older communities account for the majority of these fire losses. We are still trying to gather Virginia fire data on property damage and injuries/deaths in residential occupancies for seniors and assisted living facilities, to determine the age of the buildings, to determine the size and height and to determine whether they were sprinkled or unsprinkled multi-family buildings. Most of the fires occurred in living areas, exterior balconies, kitchens and bedrooms.

In sprinkled residential occupancies, both nationally and within the state, the record should reveal that there has been limited property damage and an exemplary life safety record; that most residential fires, including property damage and life safety losses are in existing 1&2 family dwelling units, as is the case nationally; and, that in unsprinkled multi-family buildings property damage would be more substantial and you would see higher life safety losses. We also need to compare the fire reports in relationship to the number of multi-family dwelling units constituting the total housing stock and the number of people, as a percentage of the overall population, who live in multi-family housing. Some of the positive factors working in our favor to restrain fire losses in unsprinkled multi-family housing includes the retroactive smoke detector requirements; the local pro-active code enforcement of the USBC Maintenance Code and the Statewide Fire Prevention Code; the local adoption of rental inspection programs; and, although this can and does vary from locality to locality, the educational fire safety programs that are conducted in the public schools and with tenant-landlord groups by the fire officials.

We hope this information is helpful and the DHCD staff looks forward to participating and providing our expertise and technical assistance as the members and impacted parties sort through the issues to determine if further retroactive building and fire safety measures are necessary to implement and require at this time.

cc: Honorable Terri Suit, Delegate, General Assembly
Mr. Bill Shelton, Director, DHCD

Virginia: Assistance Living Facilities Coordination with other State Agencies and Advisory Committee:

Issues:

Page 2 Ambulatory definition and use of canes, walkers as ambulatory does current regulations allow?

R-4: Now sprinkled for up to 16 with USBC allows 8 without sprinklers and 5 non-ambulatory. 17 and over I-2 but how far need to go with R-4 towards I-1 and I-2? Social and demographics that support changes and what are they besides staffing and life safety issues for say 8 being in need of assistance but only 5 bed-ridden. See old Va. code change.

Pages 33, 59 & 60: Seem to say one administrative and one technical staff for up to 16 now. Seems low if go to 16 with 3-4 more necessary for ALF with non-ambulatory facilities.

Need to meet with key folks: Bryant, Cates, Confer, Hairston, Hofheimer *, Land, Reen, Russell, Schumacher*, Ward*, Williams, Wingate and Scott.

Appendix B
Selected Structure Fires (Year 2003 to 2005 Combined)
Property Type by Year

Prop Type	Year	Data									
		#	Inc%	\$	\$Loss %	Civ Inj	Civ Deaths	FF Inj			
24-hour care Nursing homes, 4 or more persons	2003	46	0.9%	\$221,855	0.3%	5	2	0			
	2004	50	1.0%	\$281,174	0.4%	9	0	0			
	2005	55	1.1%	\$68,133	0.1%	1	0	0			
Hospital - medical or psychiatric	2003	22	0.4%	\$35,325	0.0%	2	0	0			
	2004	20	0.4%	\$27,502	0.0%	1	0	0			
	2005	14	0.3%	\$6,320	0.0%	0	0	0			
Multifamily dwellings	2003	1,675	32.1%	\$13,952,338	19.2%	103	5	27			
	2004	1,565	30.0%	\$36,940,035	50.9%	105	7	33			
	2005	1,702	32.6%	\$20,906,585	28.8%	60	7	13			
Residential board and care	2003	31	0.6%	\$71,265	0.1%	3	0	0			
	2004	17	0.3%	\$22,505	0.0%	0	0	0			
	2005	22	0.4%	\$45,002	0.1%	0	0	0			
Grand Total		5,219	100.0%	\$72,578,039	100.0%	289	21	73			

Includes fires in structures confined to non-combustible containers

Appendix C
Selected Structure Fires (Year 2003 to 2005 Combined)
Sorted by Number of Incidents

Fire Department	#	Inc%	\$	\$Loss %	Civ Inj	Civ Deaths	FF Inj
FAIRFAX COUNTY FIRE AND RESCUE	606	11.6%	\$9,401,838	13.0%	26	5	5
NEWPORT NEWS FIRE DEPT	350	6.7%	\$5,251,874	7.2%	33	2	9
Virginia Beach Fire Department	347	6.6%	\$8,814,014	12.1%	37	2	16
HENRICO DIVISION OF FIRE	337	6.5%	\$3,977,978	5.5%	20	1	2
Alexandria Fire Department	319	6.1%	\$85,085	0.1%	10	0	0
Richmond Fire & Emer. Svs	297	5.7%	\$16,964,341	23.4%	23	0	5
Norfolk Fire-Rescue	267	5.1%	\$1,947,377	2.7%	13	3	9
Portsmouth Fire Department	243	4.7%	\$867,796	1.2%	2	0	0
Chesapeake Fire Department	221	4.2%	\$2,381,747	3.3%	29	1	2
ARLINGTON CO. FIRE DEPT.	169	3.2%	\$798,938	1.1%	0	0	0
Roanoke Dept. of Fire/EMS	159	3.0%	\$3,014,931	4.2%	9	1	2
Chesterfield Fire & EMS	137	2.6%	\$2,582,335	3.6%	4	0	0
Hampton Fire & Rescue	119	2.3%	\$934,085	1.3%	11	0	3
Bristol Fire Department	119	2.3%	\$97,205	0.1%	4	0	0
Lynchburg Fire Department	102	2.0%	\$368,360	0.5%	5	0	4
Charlottesville Fire Dept.	94	1.8%	\$760,861	1.0%	5	0	4
Danville Fire Department	91	1.7%	\$981,140	1.4%	4	0	0
WOODSTOCK FIRE DEPT.	77	1.5%	\$6,500	0.0%	0	0	0
Winchester Fire Dept.	59	1.1%	\$1,168,199	1.6%	5	2	1
Petersburg Fire Department	57	1.1%	\$750,576	1.0%	3	1	1
Suffolk Fire & Rescue	55	1.1%	\$425,188	0.6%	2	1	1
Roanoke County Fire & Rescue	55	1.1%	\$163,970	0.2%	4	0	0
Blacksburg Fire Department	50	1.0%	\$157,550	0.2%	1	0	0
PRINCE WILLIAM FIRE & RESCUE	50	1.0%	\$0	0.0%	1	0	0
HOPEWELL FIRE DEPARTMENT	46	0.9%	\$115,235	0.2%	3	0	0
Waynesboro Fire Department	45	0.9%	\$274,236	0.4%	1	0	2
Albemarle Co. Fire Rescue	41	0.8%	\$805,900	1.1%	0	0	0
James City Co. Fire Dept.	36	0.7%	\$305,800	0.4%	0	1	0
Fredericksburg Fire Department	34	0.7%	\$75,650	0.1%	2	0	0
Radford Fire Department	33	0.6%	\$551,375	0.8%	0	0	0
STERLING PARK VOL. FIRE DEPT.	30	0.6%	\$276,618	0.4%	4	0	0
Williamsburg Fire Department	28	0.5%	\$65,600	0.1%	3	0	1
Staunton Fire & Rescue	23	0.4%	\$47,260	0.1%	0	0	1
SPOTSYLVANIA FIRE & RESCUE	23	0.4%	\$1,587,450	2.2%	2	0	2
Franklin Fire & Rescue Dept.	21	0.4%	\$80,000	0.1%	0	0	0
Salem Fire Department	19	0.4%	\$24,000	0.0%	2	0	1
COUNTY OF YORK	17	0.3%	\$16,395	0.0%	1	0	0
Colonial Heights Fire Dept.	17	0.3%	\$33,080	0.0%	3	0	0
Leesburg Volunteer Fire Compan	16	0.3%	\$38,593	0.1%	0	0	0

Includes fires in structures confined to non-combustible containers

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Fire Department	Data	#	Inc%	\$	\$Loss %	Civ Inj	Civ Deaths	FF Inj
SMITHFIELD VOL. FIRE DEPARTMENT		14	0.3%	\$63,500	0.1%	0	0	0
MECHANICSVILLE VOL. FIRE DEPT.		14	0.3%	\$5,522	0.0%	0	0	0
PULASKI VOL. FIRE DEPT.		13	0.2%	\$77,625	0.1%	0	0	0
FAIRFAX CITY FIRE DEPARTMENT		13	0.2%	\$173,080	0.2%	0	0	0
SOUTH HILL VOL. FIRE DEPT.		12	0.2%	\$8,250	0.0%	0	0	0
ASHLAND VOL. FIRE DEPT.		12	0.2%	\$14,782	0.0%	0	0	0
Marlinsville Fire Department		11	0.2%	\$69,700	0.1%	0	0	0
Gate City		11	0.2%	\$707,200	1.0%	0	0	0
SOUTH BOSTON FIRE DEPT.		10	0.2%	\$138,500	0.2%	0	0	0
Manassas Vol. Fire Department		10	0.2%	\$17,060	0.0%	0	0	0
BLUEFIELD VOL. FIRE DEPT.		9	0.2%	\$755	0.0%	0	0	0
Bedford Vol. Fire Department		9	0.2%	\$0	0.0%	0	0	0
COURTLAND VOL. FIRE DEPT.		8	0.2%	\$24,050	0.0%	0	0	0
WYTHEVILLE		7	0.1%	\$0	0.0%	0	0	0
RICHLANDS VOL. FIRE DEPT.		7	0.1%	\$260,000	0.4%	3	0	0
LOUISA VOL. FIRE DEPT.		7	0.1%	\$107,000	0.1%	0	0	0
Dublin Volunteer Fire Department		7	0.1%	\$8,575	0.0%	1	0	0
Warrenton Fire Dept.		6	0.1%	\$355,000	0.5%	0	0	0
Blairs Vol. Fire Department		6	0.1%	\$0	0.0%	0	0	0
LAWRENCEVILLE VOL. FIRE DEPT.		6	0.1%	\$250	0.0%	0	0	0
KING GEORGE EMERGENCY SERVICES		6	0.1%	\$11,601	0.0%	0	0	0
CHRISTIANSBURG FIRE DEPARTMENT		5	0.1%	\$29,350	0.0%	0	0	0
Stephens City		5	0.1%	\$14,500	0.0%	0	0	0
COLLINSVILLE VOL. FIRE DEPT.		5	0.1%	\$333,000	0.5%	1	0	0
Galax Vol. Fire Department		5	0.1%	\$0	0.0%	0	0	0
AUGUSTA COUNTY FIRE DEPARTMENT		5	0.1%	\$20,500	0.0%	2	0	0
ORNKEY SPRINGS VOL. FIRE DEPT.		5	0.1%	\$0	0.0%	0	0	0
Abingdon Vol. Fire Dept.		4	0.1%	\$53,150	0.1%	0	0	0
STUARTS DRAFT VOL. FIRE DEPT.		4	0.1%	\$2,220	0.0%	0	0	0
CULPEPER COUNTY VOL FIRE DEPAR		4	0.1%	\$146,500	0.2%	0	0	0
PRINCE GEORGE FIRE & EMS		4	0.1%	\$0	0.0%	0	0	0
ASHBURN FIRE & RESCUE		4	0.1%	\$600	0.0%	0	0	0
PENNINGTON GAP VOL. FIRE DEPT.		4	0.1%	\$21,000	0.0%	0	0	0
ORANGE VOL. FIRE CO.		4	0.1%	\$3,000	0.0%	0	0	0
MINERAL VOL. FIRE DEPT.		4	0.1%	\$0	0.0%	0	0	0
Manassas Park Fire Department		4	0.1%	\$500	0.0%	0	0	0
FOREST VOL. FIRE DEPT.		4	0.1%	\$45,025	0.1%	0	0	0
Broadway Vol. Fire Dept.		3	0.1%	\$3,100	0.0%	0	0	0
Poquoson Fire/Rescue		3	0.1%	\$0	0.0%	1	0	0

Includes fires in structures confined to non-combustible containers

Appendix C
Selected Structure Fires (Year 2003 to 2005 Combined)
Sorted by Number of Incidents

Fire Department	Data	#	Inc%	\$	\$Loss	%	Civ	Inj	Civ	Deaths	FF	Inj
TIMBERVILLE VOL. FIRE DEPT.		3	0.1%	\$7,500	0.0%		3	0		0		0
Hose Company No. 4		3	0.1%	\$350,000	0.5%		0	0		0		0
TAPPAHANNOCK-ESSEX VOL. FIRE		3	0.1%	\$0	0.0%		0	0		0		0
Shenandoah County Fire and Res		3	0.1%	\$18,000	0.0%		0	0		0		0
RUCKERSVILLE VOL. FIRE DEPT.		3	0.1%	\$180,000	0.2%		0	0		0		0
ROCKY MOUNT FIRE DEPARTMENT		3	0.1%	\$105,000	0.1%		0	0		0		0
Remington Fire and Rescue		3	0.1%	\$0	0.0%		0	0		0		0
Abingdon Vol. Fire & Rescue		3	0.1%	\$750	0.0%		0	0		0		0
GLOUCESTER VOL. FIRE DEPT.		3	0.1%	\$7,000	0.0%		0	0		0		0
Coeburn Vol. Fire Department		3	0.1%	\$1,100,000	1.5%		0	0		0		0
PRESTON L. YANCEY VOL. FIRE		3	0.1%	\$37,550	0.1%		2	0		0		0
Falmouth Vol. Fire Dept.		3	0.1%	\$21,700	0.0%		0	0		0		0
Norton Fire Department		3	0.1%	\$4,000	0.0%		0	0		0		0
INDEPENDENCE VOL. FIRE DEPT.		2	0.0%	\$75,000	0.1%		0	0		0		0
COPPER CREEK-MOCCASIN VFD		2	0.0%	\$0	0.0%		0	0		0		0
Greenwood		2	0.0%	\$0	0.0%		0	0		0		0
CLARKSVILLE VOL. FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
Millwood Station		2	0.0%	\$0	0.0%		0	0		0		0
Round Hill Community Fire Dept.		2	0.0%	\$0	0.0%		0	0		0		0
CHILHOWIE VOL. FIRE DEPT.		2	0.0%	\$15,000	0.0%		0	0		0		0
WAVERLY VOL. FIRE DEPT.		2	0.0%	\$49,000	0.1%		0	0		0		0
WASHINGTON CO. VOL. FIRE DEPT.		2	0.0%	\$44,000	0.1%		0	0		0		0
TOWN OF TAZEWELL FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
NEW CASTLE VOL. FIRE DEPT.		2	0.0%	\$17,000	0.0%		0	0		0		0
SURRY VOL. FIRE DEPT.		2	0.0%	\$57,075	0.1%		0	0		0		0
ARVONIA VOL. FIRE DEPT.		2	0.0%	\$35,000	0.0%		0	0		0		0
STANLEY VOL. FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
COLONIAL BEACH VOL. FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
SAINT PAUL VOL. FIRE DEPT.		2	0.0%	\$48,000	0.1%		2	0		0		0
Lexington Fire Department		2	0.0%	\$50,000	0.1%		0	0		0		0
GOODSON DIS VOL. FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
CREWE FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
DILLWYN VOL. FIRE DEPT.		2	0.0%	\$0	0.0%		0	0		0		0
RIDGEWAY VOL. FIRE DEPT.		2	0.0%	\$170,000	0.2%		0	0		1		0
CAPE CHARLES VOL. FIRE DEPT.		2	0.0%	\$117,000	0.2%		1	0		0		0
DRIVER VOLUNTEER FIRE DEPARTME		2	0.0%	\$0	0.0%		0	0		0		0
MIDDLEBURG VOL. FIRE DEPT.		1	0.0%	\$0	0.0%		0	0		0		0
LYN-DAN HEIGHTS VOL. FIRE DEPT		1	0.0%	\$0	0.0%		0	0		0		0
QUINTON VOL. FIRE & EMS		1	0.0%	\$0	0.0%		0	0		0		0

Includes fires in structures confined to non-combustible containers

Appendix C
Selected Structure Fires (Year 2003 to 2005 Combined)
Sorted by Number of Incidents

Fire Department	#	Inc%	\$	\$Loss %	Civ Inj	Civ Deaths	FF Inj
BLAND CO. VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
LOVINGSTON VOL. FIRE DEPT.	1	0.0%	\$500	0.0%	0	0	0
RICH CREEK VOL. FIRE DEPT.	1	0.0%	\$2	0.0%	0	0	0
Edinburg Fire Department	1	0.0%	\$0	0.0%	0	0	0
AMHERST VOL. FIRE DEPT.	1	0.0%	\$2,400	0.0%	0	0	0
BURKEVILLE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
BROOKVILLE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
Harrisonburg Fire Department	1	0.0%	\$150	0.0%	0	0	0
LONGSHOP-MCCOY VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
ROUND HILL VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
Haysi VFD	1	0.0%	\$18,000	0.0%	0	0	0
RUSTBURG VOL. FIRE DEPT.	1	0.0%	\$185,000	0.3%	0	0	0
ALDIE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
Clintwood Vol. Fire Dept.	1	0.0%	\$0	0.0%	0	0	0
SAXIS VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
ONANCOCK VOL. FIRE DEPT.	1	0.0%	\$2,000	0.0%	0	0	0
Grottoes Fire Company	1	0.0%	\$0	0.0%	0	0	0
Boones Mill Vol. Fire Dept.	1	0.0%	\$0	0.0%	0	0	0
COVINGTON FIRE DEPARTMENT	1	0.0%	\$25,000	0.0%	0	0	1
CHUCKATUCK VOLUNTEER FIRE DEPT	1	0.0%	\$8,500	0.0%	0	0	0
STAFFORD VOL. FIRE DEPT.	1	0.0%	\$2	0.0%	0	0	0
CROZET VOLUNTEER FIRE DEPT.	1	0.0%	\$5,000	0.0%	0	0	0
APPALACHIA VOL FIRE DEPARTMENT	1	0.0%	\$0	0.0%	0	0	0
CHICKAHOMINY FIRE DEPT.	1	0.0%	\$2	0.0%	0	0	0
GRETN	1	0.0%	\$0	0.0%	0	0	0
NEWPORT VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
FINCASTLE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
TAZEWELL CO. VOL. FIRE DEPT.	1	0.0%	\$20	0.0%	0	0	0
LACROSSE VOL. FIRE DEPT.	1	0.0%	\$500	0.0%	0	0	0
New Market Fire Department	1	0.0%	\$0	0.0%	0	0	0
VERONA FIRE DEPARTMENT	1	0.0%	\$5,000	0.0%	0	0	0
DOSWELL VOL. FIRE DEPT.	1	0.0%	\$800,000	1.1%	0	0	1
WAKEFIELD VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0
FAIRLAWN VOL. FIRE DEPT.	1	0.0%	\$85,000	0.1%	0	0	0
NATURAL BRIDGE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	1	0	0
MOUNTAIN VIEW VOL. FIRE DEPT.	1	0.0%	\$10	0.0%	0	0	0
Carrollton Volunteer Fire Depa	1	0.0%	\$0	0.0%	0	0	0
Weber City Fire	1	0.0%	\$1,000	0.0%	0	0	0
MONTVALE VOL. FIRE DEPT.	1	0.0%	\$0	0.0%	0	0	0

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Fire Department	Data	#	Inc%	\$	\$Loss	%	Civ	Inj	Civ	Deaths	FF	Inj
BOWLING GREEN VOL. FIRE DEPT.		1	0.0%	\$0	0.0%		0		0		0	0
EASTERN HANOVER VOL FIRE DEPT		1	0.0%	\$7,001	0.0%		0		0		0	0
MONELISON VOLUNTEER FIRE DEPT		1	0.0%	\$10,000	0.0%		0		0		0	0
CHATHAM		1	0.0%	\$0	0.0%		0		0		0	0
JOHN H. ENDERS VOL. FIRE DEPT.		1	0.0%	\$0	0.0%		0		0		0	0
HENRY VOL. FIRE DEPT.		1	0.0%	\$2	0.0%		0		0		0	0
BROSVILLE COMMUNITY VOLUNTEER		1	0.0%	\$400	0.0%		0		0		0	0
Middletown		1	0.0%	\$0	0.0%		0		0		0	0
Bridgewater Fire Company		1	0.0%	\$0	0.0%		0		0		0	0
Grand Total		5,219	100.0%	\$72,578.039	100.0%		289		21		73	

Includes fires in structures confined to non-combustible containers