



ADDENDUM TO BID DOCUMENTS

SOLICITATION B-17-05 Fire Assessment

ADDENDUM No. 1 **BID OPENING DATE** 11/17/2016 **TODAY'S DATE** 11/10/2016

To All Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach this addendum to the documents in your possession and acknowledge receipt of this addendum in the space provided on the bid form.

Clarifications

C.1: The dates on page 28 and 35 have been replaced with the following:

Event Date

RFP Available	10/28/16
Last Date Receipt of Questions (by 5:00 pm EST)	11/10/16
Proposals Due (2:00 pm EST)	11/17/16

RFIs

Q.1: Is there a budget for the project? If so, what is it?

A.1: \$40,000

Q.2: Can we review the previous technical study?

A.2: Refer to attachment.

Q.3: What is the current rate schedule?

A.3: Refer to attachment.

Reviewed by:

Purchasing Manager
Purchasing Division

Acknowledged by:

Contractor

Authorized Representative (<i>Printed</i>)

Title

Signature

Date

RESOLUTION NO. R-2013-93

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, ACCEPTING THE CONSULTANT'S FIRE SERVICES ASSESSMENT METHODOLOGY REPORT, TO PROVIDE FOR UPDATED CALL DISTRIBUTION INFORMATION USED IN THE METHODOLOGY, AND TO ADOPT THE RATE SCHEDULE CONTAINED WITHIN THAT REPORT.

WHEREAS, the Town established a fire services assessment program via Ordinance 96-33 and 2003-33;
and

WHEREAS, the Town engaged Munilytics, to complete a fire funding study to update the methodology and apportionment of costs associated with fire services for its residents and business; and

WHEREAS, the Town adopts rates for the fire assessment every fiscal year based upon the study; and

WHEREAS, the Town conducted a workshop to discuss the fire services methodology report and finds that using updated call data and financial information is a more equitable option based on the updated distribution of the calls to the community;

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA:

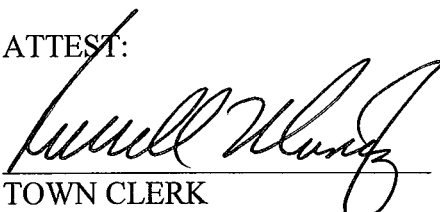
SECTION 1. The Town Council hereby accepts the attached Fire Services Assessment Methodology Report (Exhibit "A") from Munilytics, which is to remain in effect until such time as it may be amended.

SECTION 2. This Resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS 5th DAY OF June, 2013.



MAYOR/COUNCILMEMBER

ATTEST:


TOWN CLERK

APPROVED THIS 5th DAY OF June, 2013.

**Town of Davie, Florida
Fire Services Assessment
Methodology Report**

**Prepared for the
Town of Davie, Florida**

May 22, 2013



TOWN OF DAVIE FIRE SERVICES SPECIAL ASSESSMENT METHODOLOGY REPORT

Executive Summary

This report updates the Town of Davie's ("the Town") methodology and apportionment of costs associated with fire services provided by the Town to its residents and businesses. Fire services are part of the total fire rescue service budget and it is only the fire portion of that budget that can be assessed to property owners. Rescue service costs, because they cannot be demonstrated to benefit property, are not assessable. The purpose of this report is to forecast the cost of fire services and apportion those costs to the properties benefiting from the Town's fire service efforts.

The report details how the costs are determined, how they are apportioned, and what the maximum rates to various property categories would be if the full amount of fire service costs are recovered through an assessment on the benefited property. The Town has traditionally levied less than 100% of the assessable costs. The annual costs to be assessed will need to be determined annually by the Town based upon the budgeted costs for fire services for the year. This report will guide those annual assessment costs, typically set during the each year's budget cycle. This report uses as a base the proposed fire rescue fiscal year 2013 budget as adopted by the Town and then forecasts those costs through fiscal year 2018. The apportionment of those costs relied upon actual call data for fire/rescue calls during calendar years 2011 and 2012.

The maximum forecasted rate for single-family residential units in fiscal year 2018 is \$278. The Town currently levies a rate of \$130, though this is far less than the maximum rate the Town could charge under its existing apportionment methodology.

During the study, we noted that the call distribution had changed since the last study, with Commercial and Residential calls accounting for less of the total calls, while Warehouse/Industrial and Institutional increased.



Lastly, during our review of the BCPA records, we became aware that some parcels are categorized as Institutional but we are recommending that they be considered Educational because they are primarily used for higher educational purposes.



Introduction

The Town of Davie (“the Town”) has levied and collected a Fire Assessment against benefitted properties within the Town to fund the provision of fire services for several years. The Town is considering the continuance of an assessment program for Fire Services (the “Fire Services”).

Fire call data can change from time-to-time and evaluations need to be done by the Town to insure that costs are being fairly apportioned to benefitted property. Since the Town is conducting a new assessment study, it is generally recommended that a new maximum assessment rate be set as the Town’s costs have increased in recent years and the costs of conducting a new assessment study are generally significant and should not be incurred each year so as to minimize the financial burden to property owners.

The Town has previously determined that the owners of property benefitted by the proposed Fire Services should share in funding these services by imposition of non-ad valorem assessments. The Town plans to fund through assessments up to 100% of the net Fire Services costs, estimated to be \$19,030,120 in fiscal year 2018, as noted in Appendix A, *Forecast of Town of Davie Fire Service Costs*. The net Fire Services costs for fiscal year 2014 are estimated to be \$15,852,395. Net Fire Services costs are the total Fire Services costs less the expected allocated revenues associated with fire services. The Town budgets its fire services operations in a separate division within the Fire Department. The other budgeted divisions within the Fire Department are General Operations, Rescue Operations (which is predominantly Emergency Medical Services), and Fire Prevention (which is principally fire inspection activities).



Procedural Requirements

The Florida Statutes contain a number of procedural requirements that define the process for adoption of the proposed Fire Services Assessments. Additionally, the Town has adopted local legislation to provide general procedures and standards for the imposition of annual fire assessments.

The Town may collect the assessments by direct mailing of bills to each assessed property or, if additional statutory requirements are or have been fulfilled, may collect the assessments on the annual property tax bill under the Uniform Assessment Collection Act, Section 197.3632, Florida Statutes. Regardless of the method of collection the Town may use, the adoption of the Final Assessment Roll and Final Assessment Resolution shall place a lien equal to the amount of the total assessment, including interest, on each assessed property. Such lien is equal in rank and dignity to the lien of all state, county, district, and municipal taxes and other non-ad valorem assessments.



Estimated Cost of Fire Services

The Town provides a full service fire rescue department. At the time of this report, the Town operated 5 fire stations and was planning on a sixth in the immediate future. It has 10 fire apparatus and 13 rescue vehicles in service and reserve, in addition to other equipment. The Fire Department also provides fire inspection services as part of its core operations. For purposes of this study, however, only costs associated with the Fire Operations and Fire Prevention divisions have been considered. All other direct costs were deemed to not be within the confines of the assessment process. The net total cost of services for fiscal year 2014 is estimated to be \$15,852,395, as noted in Appendix A, *Forecast of Town of Davie Fire Service*. The cost may also include an allocated General Operations cost (this cost being the administrative burden or overhead of managing the Fire Department), the estimated costs of administering the fire assessment, the discounts taken on the assessments when utilizing Chapter 197, the costs of the tax collector, and a small contingency amount to cover budget variances, unexpected changes or adjustments to the assessment roll, and unforeseen events. The costs have then been reduced by revenues related to the fire protection or fire prevention functions and which serves to reduce the cost of providing the service.

The apportionment methodology has assumed that these costs would annually increase based upon the historical growth in the fire services actual audited costs that were recorded during the fiscal years 2007 through 2011. As of the report date, the fiscal year 2012 audited costs were not available. Because this period had wide swings in year-to-year changes in operating and capital outlay costs, we used a conservative 2% annual increase in operating costs and a 5% annual increase in capital outlay. The personnel costs were developed utilizing the average 4.74% year-to-year change during those periods. Appendix A details the annual forecast of costs the Town is expected to incur through fiscal year 2018. We have forecasted a total future fire services cost, net of related fire services revenue, of \$19,030,120 in FY2018 using these growth factors.

The Fire Services costs can include, but are not limited to:

1. The cost of physical construction, reconstruction, or completion of any required facility or improvement.



2. The costs incurred in any required acquisition or purchase.
3. The cost of all labor, materials, machinery and equipment.
4. The cost of fuel, parts, supplies, maintenance, repairs, and utilities.
5. The cost of computer services, data processing, and communications.
6. The cost of all lands and interest therein, leases, property rights, easements, and franchises of any nature whatsoever.
7. The cost of any indemnity or surety bonds and premiums for insurance.
8. The cost of salaries, volunteer pay, workers compensation, insurance, or other employment benefits.
9. The cost of uniforms, training, travel and per diem.
10. The cost of construction plans and specifications, surveys, and estimates of costs.
11. The cost of engineering, financial, legal, and other professional services.
12. The costs of compliance with any contracts or agreements entered into by the Town to provide or obtain Fire Services.
13. All costs associated with the structure, implementation, collection, and enforcement of the Fire Services charges and amounts necessary to offset discounts received for early payment of Fire Services charges.
14. All other costs and expenses necessary or incidental to the acquisition provision or construction of Fire Services, facilities, or programs and such other expenses as may be necessary or incidental to any related financing authorized by the Town Commission by subsequent resolution.
15. A reasonable amount for contingency and anticipated delinquencies and uncollectible Fire Services charges.
16. Reimbursement to the Town or any other person for any moneys advanced for any costs incurred by the Town or such person in connection with any of the foregoing components of Fire Services cost.
17. Any other cost that can be attributed to the provision of Fire Services within the Town.

The Town may choose to include all or only some of these costs so long as the total cost assessed does not exceed the actual cost of providing the service.

As noted earlier, these costs are further reduced by revenue attributed to Fire Services. The Town expects to receive \$1,960,492 in FY2013 from fire services related revenue that has been forecasted and applied to reduce the fire services cost throughout all periods.



Determination of Benefit & Delineation of Benefit Area

An important step in the assessment process is the determination of benefit and delineating the geographic area that will benefit from the Fire Services (the "Benefit Area"). The proposed Fire Services will service all properties within the entire Town of Davie. These Fire Services will, by their nature, provide direct and benefit to the properties that will have these services. Only improved properties have been deemed to benefit from the provision of Fire Services within the Town. Though vacant lands not used actively in the production of agricultural products and services may infrequently have Fire Services provided to them, the Town has determined that Fire Services provided to those lands are designed to contain, control, or eliminate the threat of fire to improved properties, due to the urbanized nature of the Town. A review of the call data for calendar years 2011 and 2012 also noted that these types of calls were very infrequent.

The Benefit Area for the Town of Davie Fire Services assessments includes all such properties within the Town. The parcels are identified by the unique Folio Number assigned by the Broward County Property Appraiser (BCPA) for purposes of the ad valorem property tax roll, as shown on the Preliminary Assessment Roll and more fully described below.



Cost Allocation Methodology

Using the BCPA's tax roll data, benefited parcels were identified using the various categories of land use codes within that data set. Additionally, and to keep the proposed apportionment categories as close to the existing categories as possible, we relied upon the Fire Class codes currently maintained by the BCPA. The BCPA has previously identified and coded the improved properties by type and assigned each parcel an appropriate Fire Class Code. We reviewed consistency in this data and it was determined to be of high accuracy. However, there are several parcels that we believe should be reclassified by the BCPA and by separate report to the Town, we have identified those parcels and their recommended reclassification, as the actual use conflicts with the coded use. For instance, we noted several parcels that are coded as commercial or institutional when their primary use appears to be associated with the Educational use code. The Fire Class codes thus used were as follows:

Residential ("R") This includes all residential dwelling units, be they single family, multifamily, or mobile home.

Commercial ("C") This includes and property used for commercial activity, except where otherwise identified by its own Fire Class code, and includes office and retail uses.

Government ("X") This includes any property owned by a federal, state, or local government.

Special ("S", and generally mixed use) This includes property that has more than one use or improvement that contains more than one Fire Class code. An example might be a parcel which contained both a warehouse and an office use. Each use will be assigned the cost for that use.

Vacant Parcels Not Developed ("V") This includes land that does not contain any improvement or structure.

Institutional ("I") This includes nursing homes, substance abuse centers, pipelines and distribution systems, healthcare facilities, and detention and correction facilities.

Warehouse/Industrial ("W") This includes manufacturing and processing sites, storage units (whether for commercial or non-commercial purposes), and warehousing sites.

Higher Education (Educational) ("Z") This includes all post-secondary institutions of learning.



Miscellaneous Exempt (“Y”) This includes properties that are used for Charitable, Educational, Literary, Scientific, or Religious organizations, or other properties exempt under Florida Statutes. These properties may be assessed or may be excluded by the Town from year to year. For purposes of assessments, these have been ultimately included in the “I” categories.

The vacant parcels and vacant lots (“Vacant”) contain vacant parcels that fire call data demonstrated had little demand and we are recommending not assessing those few parcels. Further, the Vacant category contains only vacant residential parcels, rivers and lakes, Other Recreational or Park Land, or Rights-of Way; accordingly, because of their nature, they are not assessed for the services; however, the cost of servicing these and similar parcels are not re-apportioned to other categories. The apportionment methodology determined that nearly 6% of the total net Fire Services cost couldn’t be assessed because the demand falls on public property owned by the Town or on rights-of-way, roadways, or government-owned waterways. Within the Town of Davie, the BCPA Fire Class code “I” for Institutional excludes properties otherwise considered “Institutional” that are exempt from the assessment by local policy decision, generally public schools or other parcels owned by governments, houses of worship, or other taxing entities. While that category could also conceivably include “for profit” institutional uses such as a “for profit” hospital, we found no instances within the Town of those uses.

Each BCPA parcel for the Town of Davie also has, in addition to a Fire Class code, a Fire Basis element, which, in the case of a residential Fire Class code, indicates the number of residential units that would be assessed a fixed amount (e.g., a Single Family residential unit would have a Fire Basis element of “1”, indicating that the fixed residential assessment rate would be multiplied by “1” to arrive at an assessment amount and a duplex unit would have a Fire Basis element of “2”, indicating that the fixed residential assessment rate would be multiplied by “2” to arrive at an assessment amount, and so on). All other Fire Class code elements (excepting “S”, Special) indicate the number of square feet in the structures located on an individual parcel, since all assessment categories other than residential are



based upon the number of square feet of improvements located on the parcel. The Fire Class code "S", Special, generally includes mixed-use parcels that have mixed assessment rates applied to them. There are 212 such parcels located in the Town at the time of this study. The Fire Basis element code in this Fire Class code indicates the amount of the assessment for that Fire Class code. The BCPA handles mixed-use parcels as exceptions and manually calculates the assessment based upon the particular mix of uses that would exist on those parcels.

There were 32,550 unique parcels or folio numbers within the Town of Davie provided to us by the BCPA for the 2012 property tax year. After eliminating unimproved properties (those without structures) and those owned by governmental units (for which costs were not reapportioned to other parcels), or parcels such as rights-of-way and waterways, we identified a maximum of 29,687 parcels that could potentially be assessed. The parcel counts by Fire Class category code and use code counts appear below:

Fire Class Categories	Category Code	Use Code County (number of parcels)	Sum of Basis (total number of units or square footage)
Residential	R	28,657	36,849
Commercial	C	554	4,323,640
Warehouse/Industrial	W	253	2,961,167
Institutional	I	6	55,591
Educational	Z	5	77,861
			29 Residential
			4,908,304 sf Commercial
			3,312,131 sf Warehouse/Industrial
Special	S	212	1,570,790 Institutional
Total		29,687	

The Town may not ultimately assess all of the properties within these fire class categories for Fire Services as the Town traditionally has exempted some uses (e.g., governments, nonprofits, houses of worship, and other properties also exempt from property taxes) of property from the fire assessment.



Fire/rescue Incidents

Fire/rescue call for service data is maintained by the Broward Sheriff's Office (BSO). BSO provided call data related to the Town of Davie for calendar years 2011 and 2012. The call data included all dispatched calls for all fire and rescue units at each of the Town's five stations. The call data contained fire service calls, calls for rescue services, and all other calls. Because rescue services do not benefit property, this call data was culled from further consideration, leaving only fire service call data in our analysis. We also excluded from the call data calls to property that was located outside of the Town limits. The Davie Fire Department was provided a list of questioned properties and the results of their research determined whether a call so questioned was in the Town's incorporated limits or not.

The Town of Davie and the Broward Sheriff's Office use the National Fire Incident Reporting System (NFIRS) for the collection and categorization of all fire and rescue incident types. This system provides not only the nature of the call responded to but also includes the type of property involved in the call. This data forms the basis for determining not only which properties benefit from fire services, but also to what degree those types of properties demand service. While evaluating the call data, we exercised discretion in reclassifying certain incidents that we determined, for the purposes of this study, needed to be reclassified to accurately tie it to the most appropriate property use. A summary of those reclassifications is attached as Appendix B, *Reclassified Calls*. As an example, an automobile fire in a parking lot at Home Depot would be reclassified from "uncovered parking" to a commercial use as the parking lot is considered to be part of the parcel owned by Home Depot. We evaluated all incidents, and concluded that 329 justified reclassification for the purposes of this study for various reasons.

During the two-year period (calendar years 2011 and 2012) studied, the Town of Davie had a total of 23,712 recorded incidents of which 21,414 were non-fire related calls (generally rescue calls) and 2,298 were fire related. Fire related calls that could be



attributed to property benefitted in the Town of Davie accounted for about 9.7% of all incidents. This is consistent with other suburban municipalities in South Florida. Calls were categorized into the two main categories (Fire and Rescue) based upon the Incident Type Number used in the NFIRS coding system. Also placed into the "Rescue" category were calls that were clearly not fire related, or clearly did not benefit real property, or the address/location were indeterminate. Mutual aid calls were excluded because they did not benefit Davie Town properties. A list of the types of calls excluded from consideration of Fire Services apportionment is detailed in Appendix C, *Excluded Calls From Fire Services*.

The incident data also includes a "Property Use" code. These codes were then aggregated into larger Property Type codes that could be used to match more closely to the BCPA Category Codes used for fire assessments. The following table details the 2,298 fire service incidents by the categories used to study fire service delivery and their corresponding BCPA Fire Class codes:

Fire Call Categorization	Corresponding BCPA Fire Class Code	Number of Fire Calls	Percent of Total
Commercial	C	535	23.28%
Institutional	I	125	5.44%
Residential	R	1,238	53.87%
Streets	N/A	26	1.13%
Vacant Land/Land	V	20	0.87%
Warehouse/Industrial	W	107	4.66%
Government/Exempt	X	94	4.09%
Educational	Z	153	6.66%
Totals		2,298	100.00%



The detail of and cross tabulation of this categorization appears in Appendix D, *Translation of NFIRS Property Use Code To BCPA Fire Class Code*. We then recoded the Fire Department incident data, Property Type codes, to the BCPA Fire Class coding. We then assigned the maximum assessment by category and in total, based upon the BCPA Final Fire Use Summaries, 2012, for the Town of Davie and the maximum expected cost of fire service delivery for fiscal year 2014 and expected through fiscal year 2018, as noted in Appendix A, *Forecast of Town of Davie Fire Service Costs*. The result produced the following two tables:

Maximum Fiscal Year 2018 Anticipated Fire Services Cost And Fire Code Apportionment

Number of Fire Calls	BCPA Code	BCPA Code Description	Percent of Calls	2018 Cost Assigned	Units or Square Footage in Category	Per Unit or Square Footage Cost
535	C	Commercial	23.28%	4,430,212	9,231,944	0.4799
125	I	Institutional, Including Exempt	5.44%	1,035,239	1,626,381	0.6365
1,238	R	Residential	53.87%	10,251,526	36,878	277.98
26	N/A	Streets	1.13%	215,040	Not Assessed	Not Assessed
20	V	Vacant Land/Land	0.87%	165,562	Not Assessed	Not Assessed
107	W	Warehouse/Industrial	4.66%	886,804	6,273,308	0.1414
94	X	Government/Exempt	4.09%	778,332	Not Assessed	Not Assessed
153	Z	Educational	6.66%	1,267,406	3,233,719	0.3919
2,298			100.00%	19,030,120		

While the budget for fiscal year 2014 had not been proposed as of the report date, we present below the forecasted maximum apportioned costs for fire services for that fiscal year:

Number of Fire Calls	BCPA Code	BCPA Code Description	Percent of Calls	2014 Cost Assigned	Units or Square Footage in Category	Per Unit or Square Footage Cost
535	C	Commercial	23.28%	3,690,438	9,231,944	0.3997
125	I	Institutional, Including Exempt	5.44%	862,370	1,626,381	0.5302
1,238	R	Residential	53.87%	8,539,685	36,878	231.57
26	N/A	Streets	1.13%	179,132	Not Assessed	Not Assessed
20	V	Vacant Land/Land	0.87%	137,916	Not Assessed	Not Assessed
107	W	Warehouse/Industrial	4.66%	738,722	6,273,308	0.1178
94	X	Government/Exempt	4.09%	648,363	Not Assessed	Not Assessed
153	Z	Educational	6.66%	1,055,770	3,233,719	0.3265
2,298			100.00%	15,852,395		



It should also be noted that these tables are developed using the latest property information supplied by the Broward County Property Appraiser's Office, but this roll appears to be the one developed for Property Tax Year 2012. The actual unit counts that exist from year-to-year will need to be used in developing the annual rates.

The preceding table includes non-assessable calls for service, which generally occur at locations that cannot be attributed to any particular type of property (usually roadways or waterways) or occurs on property owned by the Town or other governmental entities. Public primary schools and other governmental property have been separated into Code X, Educational, Governmental, or non-assessable, for the purpose of this report. Other historically exempt properties are coded into the category best representing their primary use. Historically, the Town exempts these uses from the fire assessment, but they may consider including them at a future date.

As noted previously, the Town has determined to assess a maximum Fire Service cost based upon the projected fiscal year 2014 costs of \$15,852,395 and has anticipated the expected maximum 2018 estimated net Fire Service cost of \$19,030,120. The actual cost from year-to-year to be levied by the Town will be based upon its actual costs for that fiscal year.



Fire Suppression Equipment Within The Town of Davie

The Town deploys the following equipment with the indicated pumping capacity:

Assignment	Personnel Assigned	Type	Year	Brand	Style	Ladders	Rescue Tools	Water Tank	Pump Capacity (GPM)
Spare Engine	3 or 4	Pumper	2003	E-ONE	Hurricane	X	X	750	1,250
Engine 104	3 or 4	Pumper	2003	E-ONE	Hurricane	X	X	750	1,250
Spare Engine	3 or 4	Pumper	2001	E-ONE	Hurricane	X	X	730	1,250
Engine 112	3 or 4	Tanker	2002	E-ONE	Hurricane	X	X	1200	1,500
Engine 65	3 or 4	Tanker	2003	E-ONE	Hurricane	X	X	1200	1,500
Engine 91	3 or 4	Tanker	2005	E-ONE	Hurricane	X	X	1200	1,500
Engine 38	3 or 4	Pumper	2010	E-ONE	Typhoon	X	X	780	1,250
Engine 68	3 or 4	Pumper	2010	E-ONE	Typhoon	X	X	780	1,250
Quint 65	3 or 4	75' Quint	2000	E-ONE	Cyclone 2	X	X	500	1,500
Platform 65	3 or 4	100' P-form	2010	E-ONE	Cyclone 2	X	X	300	2,000
Total Pumping Capacity									14,250

The International Fire Code (IFC) sets standards for the minimum required fire-flow and flow duration for buildings using the classifications established by the Uniform Building Code (UBC). That code details by construction types the size in square feet of building that can be minimally protected during a given duration by a fire-flow indicated by gallons-per-minute. Given the deployable equipment, the Town's capability is unlimited. A review of building data provided by BCPA for non-residential structures in the Town of Davie noted that all of the buildings would be protected by the minimum required fire-flows. Davie Fire Chief Joe Montopoli has confirmed, in consultation with his staff, particularly the chief fire inspector, that all buildings within the Town of Davie can be protected with the existing staffing and apparatus maintained within the Town. Appendix E details the points at which these buildings would be protected by the equipment deployed within the Town.



Allocation of Costs Between Assessable and Non-Assessable Fire/rescue Costs

The Town utilizes personnel who are certified firefighters that may also be qualified medical personnel. Personnel assigned to medical units may also be called upon to assist in firefighting duties. Because emergency medical services (EMS) are not services for which the Town can assess property, costs for those services cannot be included in the total fire services costs to determine the allowable assessed costs. Mutual aid services provided by other Fire Departments do not cost the Town anything and those calls accordingly are not considered in this assessment.

The Town of Davie identifies and allocates all of their costs for fire/rescue services into a Fire Department budget within their General Fund. These allocations are budgeted as separate "divisions" for budgetary purposes. The budgeted divisions are General Operations (the administrative operations that provides leadership, management, and back office operations in support of all other divisions); Fire Operations (the fire suppression and firefighting operations of the Department that protect property); Rescue Operations (primarily emergency medical services and transport operations, but also rescue and related activities that primarily benefit persons but not property); and Fire Prevention (the inspection of property and pre-planning of fire services response to property and fire code compliance activities designed to prevent fires or mitigate their damage). The personnel, operating, and capital outlay costs for Fire Protection services have been identified by the Town and allocated to the these individual divisions. We have reviewed the allocation and find them commendable. No adjustments, other than those for costs contained elsewhere in the Town's accounts (assessment discounts, costs of assessments, etc.) were necessary in determining the fire service costs.

While the majority of the calls for service were rescue related, generally only the rescue personnel assigned to rescue vehicles were dispatched. The staffing assignments for the



fire operations division are for firefighters, driver engineers, lieutenants, captains, battalion chiefs, and a deputy fire chief. One administrative direct support position for this division is also captured. The costs associated with this manning are wholly attributable to fire service delivery, even though much of their time is spent in the station. This “availability” cost is the price property owners must bear to have this service standing by in the event of a fire. The Fire department annually allocates the personnel who primarily work on EMS or Fire Protection to their respective budgets. While it is possible that from time to time personnel may work in one or the other categories temporarily, it is rare and equally likely to be into one category as the other. Further, the number of times an engine is coded out for a rescue call is very small and only a temporary measure as all other rescue units would need to be on a call. The Town’s apportionment of these costs was deemed very accurate.

The other direct costs associated with the fire services cost are for the Fire Prevention division. The staffing assignments for this division are occupied by a fire marshal, a fire inspector supervisor, and a fire inspector. One administrative direct support position for this division is also captured.

The General Operations division exists to support the front line operating divisions described above plus the Rescue Operations division. This indirect cost function has been allocated to each division in this report by using the proportion of personnel costs in the operating divisions to the total personnel costs of all operating divisions. The Fire Operations and Fire Prevention divisions thus accounted for 65.15% of the total.



APPENDIX A

FORECAST OF TOWN OF DAVIE FIRE SERVICE COSTS

Using Trends Developed Between The Audited Fiscal Years 2007-2011

	FY2013 Budget	FY14 Forecast	FY15 Forecast	FY16 Forecast	FY17 Forecast	FY18 Forecast
Fire Operations						
Personnel Services	13,584,729	14,228,645	14,903,083	15,609,489	16,349,379	17,124,339
Operating Expenditures	1,040,898	1,061,716	1,082,950	1,104,609	1,126,701	1,149,235
Capital Outlay	29,867	31,360	32,928	34,575	36,304	38,119
Total	14,655,494	15,321,721	16,018,961	16,748,673	17,512,384	18,311,693
Fire Prevention						
Personnel Services	787,730	825,068	864,177	905,139	948,042	992,979
Operating Expenditures	91,257	93,082	94,944	96,843	98,780	100,755
Capital Outlay	-	-	-	-	-	-
Total	878,987	918,150	959,121	1,001,982	1,046,822	1,093,734
Costs of Assessments						
Discounts and Fees on Assessments	998,622	1,045,957	1,095,535	1,147,464	1,201,854	1,258,821
Contingency and Equipment Replacement	572,331	589,291	606,855	625,049	643,898	663,431
Total	1,570,953	1,635,248	1,702,390	1,772,513	1,845,752	1,922,252
Total Estimated Fire Protection Costs	17,105,434	17,875,119	18,680,472	19,523,168	20,404,958	21,327,679
Related Revenues						
Charges For Services, Contractual	(1,555,792)	(1,618,024)	(1,682,745)	(1,750,054)	(1,820,057)	(1,892,859)
Fire Special Detail	(40,000)	(40,000)	(40,000)	(40,000)	(40,000)	(40,000)
Alarm Violations	(7,500)	(7,500)	(7,500)	(7,500)	(7,500)	(7,500)
Fire Inspections	(357,200)	(357,200)	(357,200)	(357,200)	(357,200)	(357,200)
Total Revenue	(1,960,492)	(2,022,724)	(2,087,445)	(2,154,754)	(2,224,757)	(2,297,559)
Net Fire Services Costs	15,144,942	15,852,395	16,593,027	17,368,414	18,180,201	19,030,120



APPENDIX B Reclassified Calls

Incident #	Address	City	Property Use Description	Code	Incident Code Description	Recorded To	Reason
709767	3600 COLLEGE AVE		215 High school/junior high school/middle school	154	Dumpster or other outside trash receptacle fire	Educational	Owned by Nova
702095	3600 COLLEGE AVE		215 High school/junior high school/middle school	440	Electrical wiring/equipment problem, other	Educational	Owned by Nova
701344	3600 COLLEGE AVE		215 High school/junior high school/middle school	700	False alarm or false call, other	Educational	Owned by Nova
708830	3600 COLLEGE AVE		215 High school/junior high school/middle school	700	False alarm or false call, other	Educational	Owned by Nova
708839	3600 COLLEGE AVE		215 High school/junior high school/middle school	442	Overheated motor	Educational	Owned by Nova
700110	3600 COLLEGE AVE		215 High school/junior high school/middle school	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
701065	3600 COLLEGE AVE		215 High school/junior high school/middle school	651	Smoke scare, odor of smoke	Educational	Owned by Nova
708718	3600 SW 154TH AVE		419 1 or 2 family dwelling	530	Water problem, other	Educational	Owned by Nova
707521	3601 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
708121	3602 COLLEGE AVE		215 High school/junior high school/middle school	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
700108	3602 COLLEGE AVE		215 High school/junior high school/middle school	118	Trash or rubbish fire, contained	Educational	Owned by Nova
12-000996	3625 COLLEGE AVE		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
707179	3625 COLLEGE AVE		460 Dormitory-type residence, other	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
708704	3625 COLLEGE AVE / Nova Southeastern		460 Dormitory-type residence, other	442	Overheated motor	Educational	Owned by Nova
707953	University Ln		241 Adult education center, college classroom	730	System malfunction, other	Educational	Owned by Nova
12-001150	3550 S UNIVERSITY DR S		200 Educational, other	671	HazMat release investigation who HazMat	Educational	Owned by Nova
707298	3532 S UNIVERSITY DR		241 Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
12-001087	3530 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, Other	Educational	Owned by Nova
707828	3530 University Dr		241 Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
704377	3530 S UNIVERSITY DR		241 Adult education center, college classroom	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
710906	3501 W ROLLING HILLS Cir		464 Barracks, dormitory	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
710908	3501 W ROLLING HILLS Cir		464 Barracks, dormitory	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
700267	3501 W ROLLING HILLS Cir		439 Boarding/rooming house, residential/ hotels	700	False alarm or false call, other	Educational	Owned by Nova
710189	3501 W ROLLING HILLS Cir		439 Boarding/rooming house, residential/ hotels	700	False alarm or false call, other	Educational	Owned by Nova
702032	3501 W ROLLING HILLS Cir		439 Boarding/rooming house, residential/ hotels	531	Smoke or odor removal	Educational	Owned by Nova
704064	3501 W ROLLING HILLS Cir		140 Clubs, other	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
701703	3501 W ROLLING HILLS Cir		460 Dormitory-type residence, other	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
710463	3501 W ROLLING HILLS Cir		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
710536	3501 W ROLLING HILLS Cir		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
710902	3501 W ROLLING HILLS Cir		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
704064	3501 DAVIE Rd		241 Adult education center, college classroom	422	Chemical spill or leak	Educational	Owned by BCC
703600	3501 DAVIE Rd		241 Adult education center, college classroom	113	Cooking fire, confined to container	Educational	Owned by BCC
704488	3501 DAVIE Rd		241 Adult education center, college classroom	412	Gas leak (natural gas or LPG)	Educational	Owned by BCC
701214	3501 DAVIE Rd		241 Adult education center, college classroom	412	Gas leak (natural gas or LPG)	Educational	Owned by BCC
707315	3501 DAVIE Rd		241 Adult education center, college classroom	412	Gas leak (natural gas or LPG)	Educational	Owned by BCC
701218	3501 DAVIE Rd		241 Adult education center, college classroom	412	Overheated motor	Educational	Owned by BCC
708843	3501 DAVIE Rd		151 Library	440	Electrical wiring/equipment problem, other	Educational	Owned by BCC
711198	3424 S University Dr		241 Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
704230	3401 S UNIVERSITY DR		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
709703	3401 S UNIVERSITY DR		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
702362	3401 S UNIVERSITY DR		241 Adult education center, college classroom	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
710073	3401 S UNIVERSITY DR		241 Adult education center, college classroom	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
710133	3401 S UNIVERSITY DR		241 Adult education center, college classroom	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
709936	3401 S UNIVERSITY DR		241 Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
709937	3401 S UNIVERSITY DR		241 Adult education center, college classroom	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
707921	3400 SW 75TH AVE		241 Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
706107	3400 SW 75TH AVE		241 Adult education center, college classroom	440	Electrical wiring/equipment problem, other	Educational	Owned by Nova
703106	3400 S UNIVERSITY DR		200 Educational, other	651	Smoke scare, odor of smoke	Educational	Owned by Nova
712028	3400 S UNIVERSITY DR		200 Educational, other	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
707810	3387 N UNIVERSITY DR		241 Adult education center, college classroom	700	False alarm or false call, other	Exempt	Church
700385	3387 N UNIVERSITY DR		241 Adult education center, college classroom	700	False alarm or false call, other	Exempt	Church
701384	3387 N UNIVERSITY DR		161 Athletic/health club	745	Alarm system sounded, no fire - unintentional	Exempt	Church
701673	3387 N UNIVERSITY DR		254 Day care, in commercial property	735	Alarm system sounded due to malfunction	Exempt	Church
709342	3387 N UNIVERSITY DR		213 Elementary school, including kindergarten	700	False alarm or false call, other	Exempt	Church
701675	3387 N UNIVERSITY DR		213 Elementary school, including kindergarten	700	False alarm or false call, other	Exempt	Church
701680	3387 N UNIVERSITY DR		213 Elementary school, including kindergarten	700	False alarm or false call, other	Exempt	Church
709739	3387 N UNIVERSITY DR		215 High school/junior high school/middle school	744	Detector activation, no fire - unintentional	Exempt	Church
707452	3387 N UNIVERSITY DR		215 High school/junior high school/middle school	743	Smoke detector activation, no fire - unintentional	Exempt	Church
700951	3387 N UNIVERSITY DR		210 Schools, non-adult	745	Alarm system sounded, no fire - unintentional	Exempt	Church
12-0009753	3369 COLLEGE		460 Dormitory-type residence, other	700	False alarm or false call, Other	Educational	Owned by Nova
701565	3365 COLLEGE AVE		464 Barracks, dormitory	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
12-0011817	3325 COLLEGE		460 Dormitory-type residence, other	651	Smoke scare, odor of smoke	Educational	Owned by Nova
12-0009672	3301 COLLEGE		460 Dormitory-type residence, other	745	Alarm system activation, no fire - unintentional	Educational	Owned by Nova
12-0009919	3301 COLLEGE		460 Dormitory-type residence, other	440	Electrical wiring/equipment problem, Other	Educational	Owned by Nova
12-0009996	3301 COLLEGE		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
12-0011783	3301 COLLEGE		215 High school/junior high school/middle school	700	False alarm or false call, Other	Educational	Owned by Nova
12-0012439	3301 COLLEGE AVE		241 Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
12-0010841	3301 COLLEGE AVE		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
12-0010565	3301 COLLEGE AVE		161 Restaurant or cafeteria	412	Gas leak (natural gas or LPG)	Educational	Owned by Nova
708622	3301 COLLEGE AVE		241 Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
708930	3301 COLLEGE AVE		241 Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
702188	3301 COLLEGE AVE		241 Adult education center, college classroom	440	Electrical wiring/equipment problem, other	Educational	Owned by Nova
702867	3301 COLLEGE AVE		241 Adult education center, college classroom	440	Electrical wiring/equipment problem, other	Educational	Owned by Nova
704317	3301 COLLEGE AVE		241 Adult education center, college classroom	251	Excessive heat, scorch burns with no ignition	Educational	Owned by Nova
703061	3301 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
706828	3301 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
707612	3301 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
706286	3301 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
707342	3301 COLLEGE AVE		241 Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
704217	3301 COLLEGE AVE		241 Adult education center, college classroom	400	Hazardous condition, other	Educational	Owned by Nova
710115	3301 COLLEGE AVE		241 Adult education center, college classroom	710	Malicious, miscellaneous false call, other	Educational	Owned by Nova
711118	3301 COLLEGE AVE		241 Adult education center, college classroom	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
711946	3301 COLLEGE AVE		241 Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
703916	3301 COLLEGE AVE		241 Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
704454	3301 COLLEGE AVE		241 Adult education center, college classroom	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
709428	3301 COLLEGE AVE		121 Ballroom, gymnasium	700	False alarm or false call, other	Educational	Owned by Nova
711219	3301 COLLEGE AVE		121 Ballroom, gymnasium	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
711048	3301 COLLEGE AVE		464 Barracks, dormitory	700	False alarm or false call, other	Educational	Owned by Nova
711050	3301 COLLEGE AVE		464 Barracks, dormitory	700	False alarm or false call, other	Educational	Owned by Nova
708149	3301 COLLEGE AVE		460 Dormitory-type residence, other	113	Cooking fire, confined to container	Educational	Owned by Nova
708072	3301 COLLEGE AVE		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
708562	3301 COLLEGE AVE		460 Dormitory-type residence, other	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
702257	3301 COLLEGE AVE		160 Eating, drinking places	412	Gas leak (natural gas or LPG)	Educational	Owned by Nova
711595	3301 COLLEGE AVE		200 Educational, other	735	Alarm system sounded due to malfunction	Educational	Owned by Nova
711619	3301 COLLEGE AVE		200 Educational, other	700	False alarm or false call, other	Educational	Owned by Nova
708940	3301 COLLEGE AVE		200 Educational, other	100	Fire, other	Educational	Owned by Nova
708889	3301 COLLEGE AVE		200 Educational, other	100	Fire, other	Educational	Owned by Nova
701591	3301 COLLEGE AVE		200 Educational, other	652	Steam, vapor, fog or dust thought to be smoke	Educational	Owned by Nova
706249	3301 COLLEGE AVE		618 Electric generating plant	700	False alarm or false call, other	Educational	Owned by Nova
710735	3301 COLLEGE AVE		215 High school/junior high school/middle school	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
708189	3301 COLLEGE AVE		151 Library	700	False alarm or false call, other	Educational	Owned by Nova



APPENDIX B Reclassified Calls (continued)

Incident No.	Address	Use	Property Use Description	Code	Incident Code Description	Reclassified To:	Remarks
702154 3301 COLLEGE Ave		700	Manufacturing, processing	700	False alarm or false call, other	Educational	Owned by Nova
711066 3301 COLLEGE Ave		429	Multifamily dwellings	700	False alarm or false call, other	Educational	Owned by Nova
700076 3301 COLLEGE Ave		429	Multifamily dwellings	700	False alarm or false call, other	Educational	Owned by Nova
702420 3301 COLLEGE Ave		882	Parking garage, general vehicle	445	Arcing, shorted electrical equipment	Educational	Owned by Nova
701058 3301 COLLEGE Ave		882	Parking garage, general vehicle	700	False alarm or false call, other	Educational	Owned by Nova
706754 3301 COLLEGE Ave		459	Residential board and care	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
705854 3305 COLLEGE Ave		241	Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
12-0010210 3200 COLLEGE Ave		241	Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by BCC
707990 3200 COLLEGE Ave		241	Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by BCC
707827 3200 COLLEGE Ave		241	Adult education center, college classroom	251	Excessive heat, scorch burns with no ignition	Educational	Owned by BCC
700071 3200 COLLEGE Ave		241	Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by BCC
702836 3200 COLLEGE Ave		241	Adult education center, college classroom	400	Hazardous condition, other	Educational	Owned by BCC
12-0012382 3200 S UNIVERSITY DR		241	Adult education center, college classroom	700	False alarm or false call, Other	Educational	Owned by Nova
12-0010659 3200 S UNIVERSITY DR		241	Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
706215 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	735	Alarm system sounded due to malfunction	Educational	Owned by Nova
708516 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
702761 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
703561 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
703307 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	744	Detector activation, no fire - unintentional	Educational	Owned by Nova
705238 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
702701 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
702787 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	734	Heat detector activation due to malfunction	Educational	Owned by Nova
702338 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	733	Smoke detector activation due to malfunction	Educational	Owned by Nova
703820 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	743	Smoke detector activation, no fire - unintentional	Educational	Owned by Nova
708250 3200 S UNIVERSITY Dr		241	Adult education center, college classroom	740	Unintentional transmission of alarm, other	Educational	Owned by Nova
708949 Southeastern Uni	Nova	241	Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
707841 3200 SW 76TH Ave		215	High school/junior high school/middle school	744	Detector activation, no fire - unintentional	Educational	Owned by ITV
711854 3200 SW 76TH Ave		215	High school/junior high school/middle school	440	Electrical wiring/equipment problem, other	Educational	Owned by ITV
701212 3201 W ROLLING HILLS Cr		241	Adult education center, college classroom	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
706649 3201 W ROLLING HILLS Cr		142	Clubhouse	735	Alarm system sounded due to malfunction	Educational	Owned by Nova
706291 3201 W ROLLING HILLS Cr		142	Clubhouse	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
709709 3201 W ROLLING HILLS Cr		142	Clubhouse	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
705367 3201 W ROLLING HILLS Cr		142	Clubhouse	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
708784 3201 W ROLLING HILLS Cr		142	Clubhouse	745	Alarm system sounded, no fire - unintentional	Educational	Owned by Nova
706071 3201 W ROLLING HILLS Cr		142	Clubhouse	730	System malfunction, other	Educational	Owned by Nova
706219 3201 W ROLLING HILLS Cr		142	Clubhouse	730	System malfunction, other	Educational	Owned by Nova
706097 4188 S UNIVERSITY Dr		241	Adult education center, college classroom	735	Alarm system sounded due to malfunction	Personal service, including barber & beauty shops	Aveda Commercial Use
709929 4188 S UNIVERSITY Dr		213	Elementary school, including kindergarten	651	Smoke scare, odor of smoke	Personal service, including barber & beauty shops	Aveda Commercial Use
705101 4251 SW 61ST Ave		321	Mental retardation/development disability facility	743	Smoke detector activation, no fire - unintentional	Multifamily dwellings	biplex
704982 4343 S SR 7		882	Parking garage, general vehicle	411	Gasoline or other flammable liquid spill	Motor vehicle or boat sales, services, repair	salvage yard
12-0011459 4761 SW 108TH SW		255	Day care, in residence, licensed	113	Cooking fire, confined to container	Alcohol or substance abuse recovery center	State of Florida
12-0010313 4781 SW 108TH SW		459	Residential board and care	112	Fires in structure other than in a building	Alcohol or substance abuse recovery center	State of Florida
709110 4781 SW 108TH Ave		419	1 or 2 family dwelling	251	Excessive heat, scorch burns with no ignition	Alcohol or substance abuse recovery center	State of Florida
707167 4781 SW 108TH Ave		419	1 or 2 family dwelling	700	False alarm or false call, other	Alcohol or substance abuse recovery center	State of Florida
706167 4781 SW 108TH Ave		419	1 or 2 family dwelling	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
706242 4781 SW 108TH Ave		419	1 or 2 family dwelling	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
706245 4781 SW 108TH Ave		419	1 or 2 family dwelling	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
711060 4781 SW 108TH Ave		419	1 or 2 family dwelling	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
705514 4781 SW 108TH Ave		419	1 or 2 family dwelling	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
710269 4781 SW 108TH Ave		24-hour care Nursing homes, 4 or more persons	311	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
701735 4781 SW 108TH Ave		484	Baracks, dormitory	700	False alarm or false call, other	Alcohol or substance abuse recovery center	State of Florida
711109 4781 SW 108TH Ave		438	Boarding/rooming house, residential hotels	744	Detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
703554 4781 SW 108TH Ave		255	Day care, in residence, licensed	744	Detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
703192 4781 SW 108TH Ave		Mental retardation/development disability facility	321	700	False alarm or false call, other	Alcohol or substance abuse recovery center	State of Florida
709280 4781 SW 108TH Ave		383	Reformatory, juvenile detention center	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
708021 4781 SW 108TH Ave		459	Residential board and care	743	Smoke detector activation, no fire - unintentional	Alcohol or substance abuse recovery center	State of Florida
700387 4821 SW 65TH Ter		300	Health care, detention, & correction, other	743	Smoke detector activation, no fire - unintentional	Single Family	Suspect Use
704700 4821 SW 65TH Ter		321	Facility	740	Unintentional transmission of alarm, other	Single Family	Suspect Use
707538 4821 SW 65TH Ter		429	Multifamily dwellings	710	Mischievous, mischievous false call, other	Single Family	Suspect Use
12-0010976 4821 SW 65TH TER SW		438	Boarding/rooming house, residential hotels	700	False alarm or false call, Other	Single Family	Suspect Use



APPENDIX B
Reclassified Calls
(continued)

Incident No.	Address	Use Code	Property Use Description	Code	Incident Code Description	Recorded To	Reason
711554 6900 SR 84		100	Assembly, other	745	Alarm system sounded, no fire - unintentional	Convention center, exhibition hall	Signature Grand
707488 6900 SR 84		100	Assembly, other	700	False alarm or false call, other	Convention center, exhibition hall	Signature Grand
701010 6900 SR 84		100	Assembly, other	733	Smoke detector activation due to malfunction	Convention center, exhibition hall	Signature Grand
708496 6900 SR 84		121	Ballroom, gymnasium	745	Alarm system sounded, no fire - unintentional	Convention center, exhibition hall	Signature Grand
705729 6900 SR 84		121	Ballroom, gymnasium	744	Detector activation, no fire - unintentional	Convention center, exhibition hall	Signature Grand
701359 6900 SR 84		121	Ballroom, gymnasium	700	False alarm or false call, other	Convention center, exhibition hall	Signature Grand
700792 6900 SR 84		121	Ballroom, gymnasium	710	Malicious, mischievous false call, other	Convention center, exhibition hall	Signature Grand
701183 6900 SR 84		121	Ballroom, gymnasium	733	Smoke detector activation due to malfunction	Convention center, exhibition hall	Signature Grand
707894 6900 SR 84		120	Variable use amusement, recreation places	735	Alarm system sounded due to malfunction	Convention center, exhibition hall	Signature Grand
701395 6900 SR 84		120	Variable use amusement, recreation places	743	Smoke detector activation, no fire - unintentional	Convention center, exhibition hall	Signature Grand
12-0010742 6900 STATE ROAD 84		110	Fixed-use recreation places, other	743	Smoke detector activation, no fire - unintentional	Convention center, exhibition hall	Signature Grand
708160 7601 SW 39TH St		121	Ballroom, gymnasium	735	Alarm system sounded due to malfunction	Church, mosque, synagogue, temple, chapel	Gloria Dei
709052 Nova Southeastern Carl Desantis building		241	Adult education center, college classroom	700	False alarm or false call, other	Educational	Owned by Nova
707899 Nova Southeastern University/Vetel Building		438	Boarding/rooming house, residential hotels	700	False alarm or false call, other	Educational	Owned by Nova
708494 Signature Grand		121	Ballroom, gymnasium	733	Smoke detector activation due to malfunction	Convention center, exhibition hall	Signature Grand
708495 Signature Grand		121	Ballroom, gymnasium	733	Smoke detector activation due to malfunction	Convention center, exhibition hall	Signature Grand
709840 409 SW 138TH Ave		110	Fixed use recreation places, other	735	Alarm system sounded due to malfunction	Convention center, exhibition hall	General retail, other
709083 7500 SW 30TH St		110	Fixed use recreation places, other	744	Detector activation, no fire - unintentional	Adult education center, college classroom	Dolphins Camp
705425 6596 NOVA Dr		110	Fixed use recreation places, other	700	False alarm or false call, other	Adult education center, college classroom	ITV
708093 7500 SW 30TH St		110	Fixed use recreation places, other	700	False alarm or false call, other	Adult education center, college classroom	Dolphins Camp
704552 3900 S UNIVERSITY Dr		110	Fixed use recreation places, other	734	Heat detector activation due to malfunction	General retail, other	St. Davids School
705932 2280 SW 71ST Ter		110	Fixed use recreation places, other	710	Malicious, mischievous false call, other	General retail, other	Kid's Activity Center
705422 7525 NW 33RD St		110	Fixed use recreation places, other	743	Smoke detector activation, no fire - unintentional	Multi-family dwellings 1 or 2 Family Dwellings	Ehinger Apts Long Lake Estates Common area
709158 11296 CANYON MAPLE Blvd		110	Fixed use recreation places, other	743	Smoke detector activation, no fire - unintentional	Public or government, other	Bamford Sports Complex
702536 3901 S PINE ISLAND Rd		110	Fixed use recreation places, other	740	Unintentional transmission of alarm, other	Church, mosque, synagogue, temple, chapel	JCC
706208 6850 S PINE ISLAND Rd		110	Fixed use recreation places, other	740	Unintentional transmission of alarm, other	Public or government, other	Young At Art BC Library
710490 751 SW 121ST Ave		151	Library	745	Alarm system sounded, no fire - unintentional	Adult education center, college classroom	BCC
708843 3501 DAVIE Rd		151	Library	440	Electrical wiring/equipment problem, other	Public or government, other	BC Library
703174 4800 SW 82nd Ave		151	Library	130	Mobile property (vehicle) fire, other	Public or government, other	BC Library
707865 4600 SW 82ND Ave		151	Library	743	Smoke detector activation, no fire - unintentional	Public or government, other	BC Library
701951 2075 S FLAMINGO Rd		808	Outbuilding or shed	112	Fires in structures other than in a building	Open land or field 1 or 2 family dwelling	Nursery
708888 13150 SW 8TH St		808	Outbuilding or shed	161	Outside storage fire	Mobile Home	
709643 6763 STIRLING Rd		882	Parking garage, general vehicle	131	Passenger vehicle fire	General retail, other	Inline Retail
706471 1986 S UNIVERSITY Dr		882	Parking garage, general vehicle	131	Passenger vehicle fire	General retail, other	Tower Shops
700727 8801 SW 20TH Pl		882	Parking garage, general vehicle	118	Trash or rubbish fire, contained	Multi-family dwellings 1 or 2 family dwelling	Whitehall Condos
705652 13431 SW 9TH St		124	Playground	154	Dumpster or other outside trash receptacle fire	Public or government, other	Mobile Home
703088 4001 SW 142ND Ave		124	Playground	131	Passenger vehicle fire	Public or government, other	Visa View County Park
707035 4005 HIATUS Rd		124	Playground	444	Power line down	Public or government, other 1 or 2 family dwelling	Robbins Lodge City Park
12-0011847 13400 SW 8TH ST		124	Playground	151	Outside rubbish, trash or waste fire	Church, mosque, synagogue, temple, chapel	Mobile Home
707784 5810 S PINE ISLAND Rd		211	Preschool	700	False alarm or false call, other	Adult education center, college classroom	JCC
702505 7600 SW 38TH St		211	Preschool	743	Smoke detector activation, no fire - unintentional	classroom	Nova Child Center
705834 4011 SW 47TH Ave		0	Property Use, other	700	False alarm or false call, other	Warehouse	New town CC
704036 5930 DAVIE Rd		0	Property Use, other	131	Passenger vehicle fire	Mercantile, business, other	Pool King
12-0011383 5400 SW 78TH SW		0	Property Use, Other	142	Brush or brush-and-grass mixture fire	Public or government, other	Wolf Lake City Park
708923 11406 SR 84		807	Outside material storage area	118	Trash or rubbish fire, contained	Street, other	595
709283 11400 SW 45TH St		900	Outside or special property, other	151	Outside rubbish, trash or waste fire	Public or government, other 1 or 2 family dwelling	linear park
702412 1151 SW 113TH Ter		900	Outside or special property, other	520	Water problem, other	Public or government, other 1 or 2 family dwelling	r. rexmere pool
705269 1230 NOB HILL Rd		900	Outside or special property, other	651	Smoke scare, odor of smoke	Public or government, other 1 or 2 family dwelling	davie pd
12-0012138 13241 SW 7TH PL		900	Outside or special property, Other	140	Natural vegetation fire, Other	Public or government, other 1 or 2 family dwelling	mobile home
709189 14201 SW 21ST St		900	Outside or special property, other	650	Steam, other gas mistaken for smoke, other	Public or government, other 1 or 2 family dwelling	r. sf
711999 2100 SHOTGUN Rd		900	Outside or special property, other	650	Steam, other gas mistaken for smoke, other	Public or government, other 1 or 2 family dwelling	r. sf



**APPENDIX B
Reclassified Calls
(continued)**

Incident No	Address	Use Code	Property Use Description	Use Code	Incident Code Description	Reclassified To	Reason
704885	3000 S UNIVERSITY Dr	900	Outside or special property, other	142	Brush, or brush and grass mixture fire	Adult education center, college classroom	nova clinic
12-0012027	3660 DAVIE RD	900	Outside or special property, Other	444	Power line down	Service station, gas station	gas station
702445	3900 NOB HILL Rd	900	Outside or special property, other	154	Dumpster or other outside trash receptacle fire	Public or government, other	tree tops
700507	3900 NOB HILL Rd	900	Outside or special property, other	700	False alarm or false call, other	Public or government, other	tree tops
709193	4753 SW 45TH St	900	Outside or special property, other	412	Gas leak (natural gas or LPG)	Outside material storage area	outside material storage
703927	4900 Block of Griffin Rd	900	Outside or special property, other	142	Brush, or brush and grass mixture fire	Outside material storage area	outside material storage
701343	5001 S 82ND Ave	900	Outside or special property, other	142	Brush, or brush and grass mixture fire	Open land or field	nursery
701790	5400 SW 78TH Ave	900	Outside or special property, other	142	Brush, or brush and grass mixture fire	Public or government, other	wolf lake
701553	550 SW 124TH Ter	900	Outside or special property, other	100	Fire, other	1 or 2 family dwelling	mobile home rec center
703331	5695 SW 52ND Ave	900	Outside or special property, other	142	Brush, or brush and grass mixture fire	Public or government, other	silver lake city park
704197	7500 SW 30TH St	123	Stadium, arena	745	Alarm system sounded, no fire - unintentional	Adult education center, college classroom	Dolphins Camp
700349	7500 SW 30TH St	123	Stadium, arena	700	False alarm or false call, other	Adult education center, college classroom	Dolphins Camp
711902	7500 SW 30TH St	123	Stadium, arena	740	Unintentional transmission of alarm, other	Adult education center, college classroom	Dolphins Camp
709335	Miami Dolphins Training Facility at NSU	123	Stadium, arena	740	Unintentional transmission of alarm, other	Adult education center, college classroom	Dolphins Camp
12-0010240	8925 SW 21ST CT	863	Street or road in commercial area	444	Power line down	Warehouse	Warehouse
707369	7830 NW 30TH St	960	Street, other	671	Hazmat release investigation w/ no hazmat	1 or 2 family dwelling	Address Specific
700702	14419 SW 26TH St	960	Street, other	444	Power line down	dwelling	Address Specific
701177	701 Hiatus Rd	960	Street, other	444	Power line down	Church, mosque, synagogue, temple, chapel	Address Specific
701761	2385 SW 66TH Ter	960	Street, other	444	Power line down	Warehouse	Address Specific
703359	1201 NOB HILL Rd	960	Street, other	444	Power line down	Public or government, other	Address Specific
704045	Adjacent to 13602 SW 24 St	960	Street, other	444	Power line down	dwelling	Address Specific
707276	2540 SW 106TH Ter	960	Street, other	444	Power line down	1 or 2 family dwelling	Address Specific
707898	2699 S UNIVERSITY Dr	960	Street, other	444	Power line down	Mercantile, business, other	Address Specific
707721	In front of 5234 SW 82ND Ave	960	Street, other	444	Power line down	dwelling	Address Specific
711305	2800 S FLAMINGO Rd	960	Street, other	444	Power line down	Open land or field	Address Specific
702863	471 SW 130TH Ave	960	Street, other	444	Power line down	1 or 2 family dwelling	Address Specific
705842	1991 SW 127TH Ave	960	Street, other	444	Power line down	1 or 2 family dwelling	Address Specific
12-0009686	4491 SW 74TH AVE	960	Street, Other	444	Power line down	1 or 2 family dwelling	Address Specific
706268	2021 SW 70TH Ave	965	Vehicle parking area	671	Hazmat release investigation w/ no hazmat	Convention center, exhibition hall	Address Specific
709016	4753 SW 45TH St	880	Vehicle storage, other	671	Hazmat release investigation w/ no hazmat	Outside material storage area	Address Specific
705032	3800 SW 142ND Ave	100	Assembly, other	522	Water or steam leak	1 or 2 family dwelling	Address Specific
705833	6899 STIRLING Rd	100	Assembly, other	700	False alarm or false call, other	Mercantile, business, other	Address Specific
705669	6899 STIRLING Rd	100	Assembly, other	740	Unintentional transmission of alarm, other	Mercantile, business, other	Address Specific
706884	6899 STIRLING Rd	100	Assembly, other	743	Smoke detector activation, no fire - unintentional	Mercantile, business, other	Address Specific
706899	5850 S PINE ISLAND Rd	100	Assembly, other	745	Alarm system sounded, no fire - unintentional	Church, mosque, synagogue, temple, chapel	Address Specific
702861	11336 SR 84	121	Ballroom, gymnasium	442	Overheated motor	Mercantile, business, other	Address Specific
710582	3031 PALM TRACE LANDINGS Dr	121	Ballroom, gymnasium	652	Steam, vapor, fog or dust thought to be smoke	Multifamily dwellings	Address Specific
704614	409 SW 136TH Ave	121	Ballroom, gymnasium	740	Unintentional transmission of alarm, other	Mercantile, business, other	Address Specific
700693	9020 SR 84	140	Clubs, other	700	False alarm or false call, other	Mercantile, business, other	Address Specific
705640	6899 STIRLING Rd	140	Clubs, other	733	Smoke detector activation due to malfunction	Mercantile, business, other	Address Specific
12-0011289	1805 S UNIVERSITY DR	140	Clubs, Other	733	Smoke detector activation due to malfunction	Warehouse	Address Specific
710541	7625 NW 33RD St	140	Clubs, other	744	Detector activation, no fire - unintentional	Mercantile, business, other	Address Specific
703882	10388 SR 84	141	Athletic/health club	111	Building fire	Mercantile, business, other	Address Specific
705099	3731 SR 84	141	Athletic/health club	650	Steam, other gas mistaken for smoke, other	Multifamily dwellings	Address Specific
710520	5173 S UNIVERSITY Dr	141	Athletic/health club	651	Smoke scare, odor of smoke	Multifamily dwellings	Address Specific
710690	2701 S UNIVERSITY Dr	141	Athletic/health club	700	False alarm or false call, other	Adult education center, college classroom	Address Specific
709577	7500 SW 30TH St	141	Athletic/health club	743	Smoke detector activation, no fire - unintentional	Multifamily dwellings	Address Specific
705083	2280 SW 71ST Ter	141	Athletic/health club	745	Alarm system sounded, no fire - unintentional	Mercantile, business, other	Address Specific
706303	9400 PINE RIDGE Dr	142	Clubhouse	651	Smoke scare, odor of smoke	1 or 2 family dwelling	Address Specific



APPENDIX B
Reclassified Calls
(continued)

Incident No	Address	Use Code	Property Use Description	In Code	Incident Code Description	Recorded To	Reason
708385	11296 CANYON MAPLE Blvd	142	Clubhouse	700	False alarm or false call, other	1 or 2 family dwelling	Address Specific
708557	11296 CANYON MAPLE Blvd	142	Clubhouse	700	False alarm or false call, other	1 or 2 family dwelling	Address Specific
706567	11296 CANYON MAPLE Blvd	142	Clubhouse	710	Malicious, mischievous false call, other	1 or 2 family dwelling	Address Specific
706589	11300 REXMERE Blvd	142	Clubhouse	710	Malicious, mischievous false call, other	1 or 2 family dwelling	Address Specific
706137	11296 CANYON MAPLE Blvd	142	Clubhouse	735	Alarm system sounded due to malfunction	1 or 2 family dwelling	Address Specific
708682	11296 CANYON MAPLE Blvd	142	Clubhouse	735	Alarm system sounded due to malfunction	1 or 2 family dwelling	Address Specific
708699	3180 BIRCH Ter	142	Clubhouse	735	Alarm system sounded due to malfunction	1 or 2 family dwelling	Address Specific
708919	11296 CANYON MAPLE Blvd	142	Clubhouse	735	Alarm system sounded due to malfunction	1 or 2 family dwelling	Address Specific
709850	11296 CANYON MAPLE Blvd	142	Clubhouse	735	Alarm system sounded due to malfunction	1 or 2 family dwelling	Address Specific
705470	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
706134	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
706252	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
706293	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
708615	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
709257	11296 CANYON MAPLE Blvd	142	Clubhouse	745	Alarm system sounded, no fire - unintentional	1 or 2 family dwelling	Address Specific
705970	2600 SW 71ST Ter	200	Educational, other	440	Electrical wiring/equipment problem, other	business, other	Address Specific
706096	6100 GRIFFIN Rd	200	Educational, other	443	Light ballast breakdown	Public or government, other	Address Specific
705494	6555 NOVA Dr	200	Educational, other	651	Smoke scare, odor of smoke	Preschool	Address Specific
705871	5850 S PINE ISLAND Rd	200	Educational, other	710	Malicious, mischievous false call, other	Church, mosque, synagogue, temple, chapel	Address Specific
12-0011020	751 SW 121ST AVE	200	Educational, Other	710	Malicious, mischievous false call, Other	Church, mosque, synagogue, temple, chapel	Address Specific
704764	11584 SR 84	200	Educational, other	740	Unintentional transmission of alarm, other	Church, mosque, synagogue, temple, chapel	Address Specific
711948	7525 NW 33RD St	200	Educational, other	743	Smoke detector activation, no fire - unintentional	Preschool	Address Specific
705639	5850 S PINE ISLAND Rd	200	Educational, other	745	Alarm system sounded, no fire - unintentional	business, other	Address Specific
710257	8960 SR 84	200	Educational, other	745	Alarm system sounded, no fire - unintentional	Church, mosque, synagogue, temple, chapel	Address Specific
701927	5850 S PINE ISLAND Rd	210	Schools, non-adult	100	Fire, other	Museum	Address Specific
700213	7450 STIRLING Rd	210	Schools, non-adult	111	Building fire	Multi-family dwellings	Address Specific
709143	5451 DAVIE Rd	210	Schools, non-adult	730	System malfunction, other	Mercantile, business, other	Address Specific
706433	1700 S FLAMINGO Rd	460	Dormitory type residence, other	735	Alarm system sounded due to malfunction	Alcohol or substance abuse recovery center	Address Specific
712276	11090 CAMERON Ct	931	Open land or field	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
701858	12401 SW 12TH St	931	Open land or field	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
703506	12745 38 St	936	Vacant lot	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
705327	13400 SW 14TH Pl	936	Vacant lot	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
705164	14170 SW 37TH Ct	931	Open land or field	445	Arcing, shorted electrical equipment	1 or 2 family dwelling	Address Specific
705214	1501 HIATUS Rd	936	Vacant lot	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
12-0011546	15050 SW 27TH St SW	931	Open land or field	151	Outside rubbish, trash or waste fire	1 or 2 family dwelling	Address Specific
706207	15601 SHERIDAN St	931	Open land or field	143	Grass fire	Mercantile, business, other	Address Specific
705624	1799 S UNIVERSITY Dr	931	Open land or field	412	Gas leak (natural gas or LPG)	business, other	Address Specific
701951	2075 S FLAMINGO Rd	931	Open land or field	112	Fires in structures other than in a building	Open land or field	Address Specific
701054	2321 SW 127TH Ave	931	Open land or field	131	Passenger vehicle fire	1 or 2 family dwelling	Address Specific
12-0011456	2601 SW 164TH AVE	931	Open land or field	142	Brush or brush-and-grass mixture fire	1 or 2 family dwelling	Address Specific
711305	2800 S FLAMINGO Rd	931	Open land or field	444	Power line down	Open land or field	Address Specific
705683	3711 SR 84	938	Graded and cared-for plots of land	162	Outside equipment fire	Mercantile, business, other	Address Specific
12-0009911	3750 S FLAMINGO RD S	931	Open land or field	150	Outside rubbish fire, Other	Museum	Address Specific
12-0012135	4001 KEAN RD	931	Open land or field	142	Brush or brush-and-grass mixture fire	Warehouse	Address Specific
702074	4001 SW 142ND Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Public or government, other	Address Specific
702923	4600 SW 107TH Ter	931	Open land or field	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
700924	4790 SW 83RD Ter	936	Vacant lot	130	Mobile property (vehicle) fire, other	Warehouse	Address Specific
700939	4790 SW 83rd Ter	931	Open land or field	151	Outside rubbish, trash or waste fire	Warehouse	Address Specific
12-0012403	4841 SW 76TH AVE	931	Open land or field	142	Brush or brush-and-grass mixture fire	1 or 2 family dwelling	Address Specific
701343	5001 SW 82ND Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Open land or field	Address Specific
704808	5275 SW 106TH Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
705145	5400 SW 76TH Ave	931	Open land or field	140	Natural vegetation fire, other	Public or government, other	Address Specific
701805	5400 SW 76TH Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Public or government, other	Address Specific



**APPENDIX B
Reclassified Calls
(continued)**

Incident No	Address	Use Code	Property Use Description	Code	Incident Code Description	Reclassified To	Reason
702677	5400 SW 76TH Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Public or government, other	Address Specific
704647	5400 SW 76TH Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Public or government, other 1 or 2 family dwelling	Address Specific
703986	5410 SW 55TH Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	Open land or field	Address Specific
705832	5800 DAVIE Rd	938	Vacant lot	142	Brush, or brush and grass mixture fire	Open land or field	Address Specific
704644	6526 SW 41ST Ct	931	Open land or field	142	Brush, or brush and grass mixture fire	Warehouse	Address Specific
700408	7290 NW 38TH St	931	Open land or field	118	Trash or rubbish fire, contained	Mercantile, business, other 1 or 2 family dwelling	Address Specific
12-0011434	8631 SW 20 ST	931	Open land or field	142	Brush or brush-and-grass mixture fire	1 or 2 family dwelling	Address Specific
700488	920 AMHERST Ave	931	Open land or field	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
702768	9200 SR 84	936	Vacant lot	700	False alarm or false call, other	1 or 2 family dwelling	Address Specific
705071	9645 SYCAMORE Ct	936	Vacant lot	142	Brush, or brush and grass mixture fire	1 or 2 family dwelling	Address Specific
702229	2660 SW 139TH Ave	962	Residential street, road or residential driveway	444	Power line down	1 or 2 family dwelling	Address Specific
703045	14720 SW 20TH St	962	Residential street, road or residential driveway	444	Power line down	1 or 2 family dwelling	Address Specific
706194	3810 SW 55TH Ave	962	Residential street, road or residential driveway	444	Power line down	1 or 2 family dwelling	Address Specific
12-0010708	11345 EARNEST BLVD	962	Residential street, road or residential driveway	444	Power line down	1 or 2 family dwelling	Address Specific



APPENDIX C EXCLUDED CALLS FROM FIRE SERVICES

Town of Davie, Florida, Fire Department Incident Reporting
Calendar Years 2011 and 2012

Incident Type:

Count of IncidentNo	Total	Reason Incident Type Was Removed From Data Set
324	1	Extraneous or Improperly Coded Data
Accident, potential accident, other	3	Call type does not benefit real property
Accident, potential accident, Other	3	Call type does not benefit real property
Animal problem	7	Call type does not benefit real property
Animal problem	2	Call type does not benefit real property
Animal problem, other	11	Call type does not benefit real property
Animal problem, Other	2	Call type does not benefit real property
Animal rescue	44	Call type does not benefit real property
Animal rescue	9	Call type does not benefit real property
Assist invalid	107	Call type does not benefit real property
Assist invalid	18	Call type does not benefit real property
Assist police or other governmental agency	40	Call type does not benefit real property
Business office	1	Extraneous or Improperly Coded Data
Citizen complaint	5	Call type does not benefit real property
Citizen complaint	1	Call type does not benefit real property
Defective elevator, no occupants	4	Call type does not benefit real property
Dispatched & cancelled en route	631	Not deemed a call for service
Dispatched & cancelled en route	173	Not deemed a call for service
Dive Team Rescue	10	Call type does not benefit real property
Emergency medical service, other	5	Call type does not benefit real property
EMS call, excluding vehicle accident with injury	12291	Call type does not benefit real property
EMS call, excluding vehicle accident with injury	1745	Call type does not benefit real property
EMS call, party transported by non-fire agency	2	Call type does not benefit real property
EMS call, party transported by non-fire agency	2	Call type does not benefit real property
Extrication of victim(s) from vehicle	2	Call type does not benefit real property
Extrication, rescue, other	1	Call type does not benefit real property
Good intent call, other	684	Unclear if call type benefits property: needs further review
Good intent call, Other	83	Unclear if call type benefits property: needs further review
Lock-in (if lock out , use 511)	6	Call type does not benefit real property
Lock-out	39	Call type does not benefit real property
Lock-out	5	Call type does not benefit real property
Medical assist, assist EMS crew	6	Call type does not benefit real property
Medical assist, assist EMS crew	1	Call type does not benefit real property
Motor vehicle accident with injuries	262	Call type does not benefit real property
Motor Vehicle Accident with no injuries	123	Call type does not benefit real property
Motor vehicle/pedestrian accident (MV Ped)	22	Call type does not benefit real property
No incident found on arrival at dispatch address	578	Not deemed a call for service
No incident found on arrival at dispatch address	74	Not deemed a call for service
Person in distress, other	9	Call type does not benefit real property
Person in distress, Other	7	Call type does not benefit real property
Police matter	452	Call type does not benefit real property
Police matter	49	Call type does not benefit real property
Public service	28	Call type does not benefit real property
Public service	9	Call type does not benefit real property
Public service assistance, other	59	Call type does not benefit real property
Public service assistance, Other	3	Call type does not benefit real property
Removal of victim(s) from stalled elevator	95	Call type does not benefit real property
Removal of victim(s) from stalled elevator	22	Call type does not benefit real property
Rescue or EMS standby	15	Call type does not benefit real property
Rescue or EMS standby	2	Call type does not benefit real property
Rescue, emergency medical call (EMS) call, other	17	Call type does not benefit real property
Rescue, EMS incident, other	13	Call type does not benefit real property
Ring or jewelry removal	1	Call type does not benefit real property
Search for person in water	3	Call type does not benefit real property



APPENDIX C
EXCLUDED CALLS FROM FIRE SERVICES
 (continued)

Town of Davie, Florida, Fire Department Incident Reporting
Calendar Years 2011 and 2012

Incident Type:

Count of IncidentNo	Total	Reason Incident Type Was Removed From Data Set
Row Labels		
Search for person in water	1	Call type does not benefit real property
Search for person on land	1	Call type does not benefit real property
Service Call, other	22	Unclear if call type benefits property: needs further review
Service Call, other	7	Unclear if call type benefits property: needs further review
Special type of incident, other	6	Unclear if call type benefits property: needs further review
Special type of incident, Other	2	Unclear if call type benefits property: needs further review
Swimming/recreational water areas rescue	3	Call type does not benefit real property
Vehicle accident with injuries	2091	Call type does not benefit real property
Vehicle accident with no injuries	832	Call type does not benefit real property
Vehicle accident, general cleanup	6	Call type does not benefit real property
Vehicle accident, general cleanup	9	Call type does not benefit real property
Vehicle/pedestrian accident (MV Ped)	125	Call type does not benefit real property
Water & ice related rescue, other	2	Call type does not benefit real property
Wind storm, tornado/hurricane assessment	1	Call type does not benefit real property
Wrong location	29	Call type does not benefit real property
Wrong location	3	Call type does not benefit real property
Grand Total	21017	



APPENDIX D
Translation of NFIRS Property Use Description To BCPA Fire Class Code

NFIRS Property Use Description	Count	BCPA Fire Code
1 or 2 family dwelling	724	R
1 or 2 family dwelling	101	R
24-hour care Nursing homes, 4 or more persons	4	I
24-hour care Nursing homes, 4 or more persons	2	I
Adult education center, college classroom	23	Z
Adult education center, college classroom	2	Z
Alcohol or substance abuse recovery center	22	I
Amusement center: indoor/outdoor	1	C
Bank	5	C
Bar or nightclub	10	C
Bar or nightclub	1	C
Boarding/rooming house, residential hotels	3	C
Boarding/rooming house, residential hotels	2	C
Bowling alley	5	C
Business office	58	C
Business office	3	C
Church, mosque, synagogue, temple, chapel	55	I
Church, mosque, synagogue, temple, chapel	2	I
Clinic, clinic-type infirmary	1	C
Clinics, Doctors offices, hemodialysis centers	1	C
Communications center	1	C
Construction site	1	C
Convention center, exhibition hall	18	C
Crops or orchard	1	L
Day care, in commercial property	25	C
Day care, in commercial property	2	C
Department or discount store	9	C
Department or discount store	1	C
Dock, marina, pier, wharf	3	C
Doctor, dentist or oral surgeon's office	9	C
Dump, sanitary landfill	1	I
Electric generating plant	1	C
Elementary school, including kindergarten	42	X
Elementary school, including kindergarten	3	X
Exempt Institutional	10	I
Fire station	1	X
Fire station	1	X
Flammable liquid distribution, pipeline, flammable	1	I
Food and beverage sales, grocery store	24	C
Food and beverage sales, grocery store	7	C
Forest, timberland, woodland	2	L
Forest, timberland, woodland	1	L
Gas distribution, pipeline, gas distribution	1	I
General retail, other	22	C
General retail, Other	1	C
Graded and cared-for plots of land	2	L
Health care, detention, & correction, other	2	I
High school/junior high school/middle school	18	X
High school/junior high school/middle school	2	X
Higher Education	128	Z



APPENDIX D
Translation of NFIRS Property Use Description To BCPA Fire Class Code
(Continued)

NFIRS Property Use Description	Count	BCPA Fire Code
Highway or divided highway	5	S
Highway or divided highway	1	S
Hotel/motel, commercial	9	C
Household goods, sales, repairs	13	C
Household goods, sales, repairs	1	C
Industrial plant yard - area	3	I
Laboratory or science laboratory	6	C
Laundry, dry cleaning	3	C
Livestock production	1	L
Livestock, poultry storage	1	L
Manufacturing, processing	29	W
Manufacturing, processing	1	W
Mental retardation/development disability facility	6	I
Mercantile, business, other	61	C
Mercantile, business, Other	32	C
Motor vehicle or boat sales, services, repair	45	C
Movie theater	2	C
Multifamily dwelling	39	R
Multifamily dwellings	369	R
Museum	3	I
Office: veterinary or research	3	C
Office: veterinary or research	1	C
Open land or field	8	V
Open land or field	1	V
Outside material storage area	7	I
Personal service, including barber & beauty shops	8	C
Personal service, including barber & beauty shops	1	C
Pipeline, power line or other utility right of way	1	i
Pipeline, power line or other utility right-of-way	1	i
Places of worship, funeral parlors	1	I
Police station	2	X
Preschool	22	C
Preschool	1	C
Professional supplies, services	12	C
Professional supplies, services	1	C
Public or government, other	25	X
Recreational, hobby, home repair sales, pet store	1	C
Residential or self storage units	5	W
Residential or self-storage units	1	W
Residential street, road or residential driveway	6	S
Residential street, road or residential driveway	1	S
Residential, other	5	R
Restaurant or cafeteria	42	C
Restaurant or cafeteria	3	C
Roller rink: indoor or outdoor	2	C
Sanitation utility	1	I
Service station, gas station	24	C
Service station, gas station	1	C



APPENDIX D
Translation of NFIRS Property Use Description To BCPA Fire Class Code
(Continued)

NFIRS Property Use Description	Count	BCPA Fire Code
Specialty shop	13	C
Specialty shop	5	C
Storage, other	11	W
Street or road in commercial area	3	S
Street, other	9	S
Street, Other	1	S
Textile, wearing apparel sales	7	C
Utility or Distribution system, other	2	I
Vacant lot	3	V
Warehouse	59	W
Warehouse	1	W
Yacht Club	2	C



APPENDIX E IFC FIRE FLOW TABLE

MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS

FIRE-FLOW CALCULATION AREA (square feet)					FIRE-FLOW (gallons per minute) ^a	FLOW DURATION (hours)
Type IA and IB ^a	Type IIA and IIA ^a	Type IV and V-A ^a	Type IIB and IIIB ^a	Type V-B ^a		
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500	2
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750	
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000	
38,701-48,300	21,801-24,200	12,901-17,400	9,801-12,600	6,201-7,700	2,250	
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7,701-9,400	2,500	
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9,401-11,300	2,750	
70,901-83,700	39,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3,000	
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,600	3,250	
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,601-18,000	3,500	
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3,750	
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4,000	3
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4,250	
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4,500	
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4,750	
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5,000	
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5,250	
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5,500	
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5,750	
295,901-Greater	166,501-Greater	106,501-115,800	77,001-83,700	47,401-51,500	6,000	
-	-	115,801-125,500	83,701-90,600	51,501-55,700	6,250	
-	-	125,501-135,500	90,601-97,900	55,701-60,200	6,500	4
-	-	135,501-145,800	97,901-106,800	60,201-64,800	6,750	
-	-	145,801-156,700	106,801-113,200	64,801-69,600	7,000	
-	-	156,701-167,900	113,201-121,300	69,601-74,600	7,250	
-	-	167,901-179,400	121,301-129,600	74,601-79,800	7,500	
-	-	179,401-191,400	129,601-138,300	79,801-85,100	7,750	

Exception: A reduction in required fire-flow of 50 percent, as approved, is allowed when the building is equipped with an approved automatic sprinkler system.

Construction Types IA and IB are considered noncombustible and fire-resistive, and are the direct descendants of the Uniform Building Code's (UBC) Type I-FR, and Type II-FR. (FR refers to "fire-resistive") construction types, respectively. The most significant difference between the IA and IB types is the level of fire-resistance required for the building elements previously discussed, with IA having a higher fire-resistance. Since both types are noncombustible, they only permit noncombustible materials. Unlike the UBC, the IBC doesn't specify what materials are considered noncombustible; that is left to testing per IBC Section 703.4. Noncombustible materials are determined through ASTM E 136 for basic, or "elementary," materials and ASTM E 84 for composite materials.

Construction Types IIA and IIB are also noncombustible, but have little to no fire-resistance. Like Type I construction, Types IIA and IIB are comparable to the former UBC Types II-1-hour and II-N. Determination of whether or not a material is noncombustible is the same as that for Type I construction. Type IIA has a minimum of 1-hour fire resistance throughout. Type IIB, although noncombustible, has no requirements for fire-resistance, unless required by other sections of the code.

Construction Types IIIA and IIIB are considered combustible. Being a combustible construction type, Type III construction permits the use of wood framing. Type III construction, like Type II construction, has little to no fire-resistance. Type IIIA requires 1-hour fire-resistance throughout except that exterior bearing walls require no less than 2-hour fire-resistive construction. Type IIIB has no fire-resistance requirements, except for exterior bearing walls, which has the same requirement as Type IIIA.

Construction Type IV is unique. It is a combustible construction type, but it is limited to heavy timber construction. Although it is considered a combustible construction type, the exterior walls are required to be of noncombustible construction. Heavy timber construction includes columns not less than 8 inches thick, and floor and roof framing not less than 6 inches thick; all dimensions are nominal. Floors and roofs have thicker than normal construction consisting of varying layers of materials that build up to a deck of 3 to 4 inches thick, nominally.

Lastly, Types VA and VB are also combustible construction, but each is slightly less fire-resistive than the Type III construction types. For example, the exterior bearing wall fire resistance is reduced to 1-hour for Type VA and no fire resistance for Type VB.



**APPENDIX F
CURRENT SURVEY OF BROWARD COUNTY CITIES WITH FIRE ASSESSMENTS
FOR FISCAL YEAR 2013**

**FY13 Ranking of Cities Levying 197 Residential
Fire Assessment**

Municipality	Single Family	Multifamily	Travel Trailer Lots
Lighthouse Point	84.37	84.37	-
Pompano Beach	122.00	122.00	-
Dania Beach	128.42	128.42	-
Davie	130.00	130.00	-
Lauderdale BTS	130.00	130.00	-
Deerfield Beach	135.00	135.00	-
Fort Lauderdale	135.00	135.00	-
Coconut Creek	137.43	123.69	68.72
Coral Springs	138.10	160.59	-
Wilton Manors	141.65	141.65	-
North Lauderdale	143.00	308.00	-
Hallandale Beache	145.00	145.00	-
Cooper City	161.28	161.28	-
Sunrise	169.50	169.50	-
Hollywood	189.00	189.00	-
Unincorporated	190.00	190.00	-
Oakland Park	196.00	196.00	-
Parkland	210.00	210.00	-
Lauderdale Lakes	215.00	215.00	-
Pembroke Pines	235.44	235.44	-
Tamarac	265.00	265.00	-
Miramar	304.90	304.90	224.76
Weston	333.27	343.21	-
West Park	350.00	350.00	-
Lauderhill	388.00	388.00	-
Southwest Ranches	442.51	442.51	-
Average	200.76	207.83	
Median	165.39	165.39	



TOWN OF DAVIE TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers
FROM/PHONE: William W. Ackerman, CPA, Budget & Finance Director/797-1050
PREPARED BY: William W. Ackerman, CPA, Budget & Finance Director/797-1050
SUBJECT: Resolution
AFFECTED DISTRICT: Town Wide

ITEM REQUEST: **Schedule for Council Meeting**

TITLE OF AGENDA ITEM: A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, ACCEPTING THE CONSULTANT'S FIRE SERVICES ASSESSMENT METHODOLOGY REPORT, TO PROVIDE FOR UPDATED CALL DISTRIBUTION INFORMATION USED IN THE METHODOLOGY, AND TO ADOPT THE RATE SCHEDULE CONTAINED WITHIN THAT REPORT.

EXECUTIVE SUMMARY: A consultant was hired to perform a fire funding study. This resolution accepts the fire services methodology report provided by the consultant. The report updates the Town's call data used in the assessment methodology as well as the apportionment of costs associated with fire services provided by the Town to its residents and business. The report forecasts the cost of fire services and apportions those costs to the properties benefiting from the Town's fire service efforts. Staff presented to Council a draft report on May 15, 2013 during a Fire Funding Study workshop. The report has been updated to include the exhibits, updated cost data and to improve the documentation within the report (i.e. definitions of categories).

KEY POINTS:

- Updates the previous methodology apportionment report by reviewing two years of call data.
- The maximum forecasted single family residential assessment rate is \$278.
- An annual fire assessment rate, not to exceed the maximum forecasted in the report, will need to be adopted each year by the Town Council.

PREVIOUS ACTIONS: Council approved ordinance 1996-33 on April 7, 1996, and amended it via ordinance 2003-33 on September 3, 2003 to establish the fire services assessment program. The existing methodology report was approved on June 30, 2008 via resolution R-2008-144 within the Initial Assessment Resolution.

CONCURRENCES: The Town's legal counsel and the Town Administrator's office all reviewed the report.

FISCAL IMPACT: not applicable

Has request been budgeted? n/a

If yes, expected cost: \$

Account name and number:

If no, amount needed: \$

What account name and number will funds be appropriated from:

Additional Comments:

RECOMMENDATION(S): Motion to approve resolution

Attachment(s):

Resolution

Fire Services Assessment Methodology Report