




# Fire Truck Purchase

---

# The Petition

650 Flagler Beach residents signed a petition to stop the purchase of a \$600,000 fire truck during the 2014/15 fiscal year.

---



The leading assertions of the petition are true statements

Average voter turn out for a municipal election is 800 – 825 voters

I am agreeable to putting the purchase on the March ballot for a straw vote

---

- Capt Pace's presentation was a proposal to replace T11 with a 75' quint as Fire Department Safety Equipment on the agenda
- Until that time there was never any mention of problems with our fire truck(s) or the need to replace them.
- 3 years ago we started reserving \$50,000 from the Sales Surtax Fund for future purchase of a fire truck. The plan was to buy a fire truck,  $\$50,000/\text{yr} \times \mathbf{6 \text{ years}} = \$300,000$

# HISTORY

---



# STATION 11

FLAGLER BEACH FIRE DEPARTMENT


No aerial operations FBFD  
from 1926 – 2008 (82 yrs)

- It was not in the budget so Sales Surtax Fund was used.
  - We knew what we were getting when we bought it.
  - No need analysis or cost analysis just “it’s available, let’s buy it”.
  - It was inspected and certified and has been every year since.
-

# We do not need an aerial


“Cleared Call” report from 911  
dispatch for past 7 months

- TW11 dispatched 9 times and  
was cancelled on all 9 calls.
-



ISO DOES NOT REQUIRE US TO  
PROVIDE AERIAL COVERAGE,  
SAME POINTS FOR INTERLOCAL  
AGREEMENT

---



...many factors go into setting your home insurance premium, so even a rise or drop in your town's grade may not affect your pocketbook. The weight given to fire protection also varies by state. For example, in Florida, where windstorm perils are frequent, less weight is given to fire-protection ratings in determining premiums.

Taken from "Homeowners premiums fluctuate with community's firefighting ability" By Insure.com April 2005

---





## ***FACTS:***

- Setting aside \$50,000/year to replace all of this equipment is not realistic. T11 (1986), E111 (1996), E11 (2005), about \$2,000,000 in apparatus costs
- we do not have a Major Equipment Replacement Plan (10 year plan). We have never defined our Fleet.
- To keep aerial operations in the City we need to certify and train every driver/operator if they are not trained. Driver Certification is above and beyond FF school. Puts strain on our department. No driver=no truck.
- Aerial operations costs are over \$1000 per year for inspection, structural integrity tests and certification in addition to the \$2500 for non destructive test every 5 years in addition to normal maintenance & repair. With the quint we will have 3 pumps to certify not 2.

- The proposed quint, will not help high rise condo fires
  - 1/3 – 1/2 of the time FBFD operates with 2 fire fighters, we rely on volunteers
  - Page 1 of Aerial Packet states “several expensive maintenance issues” the total is \$5,050, future concerns focus on firefighter safety at an estimate of \$4,000 to repair
  - While 1996 Engine 111 repair work totaled \$2,300 we’ll keep that in service, it will be needed when the Quint goes out of service
  - The proposed purchase is a demo unit not built to cater to our needs, other quotes for a true custom provided up to \$725,000
-

- Fire Department is not the only department with Vehicle Repair & Maintenance: Sanitation \$100,000, Police \$21,000

2011/12 spent	\$ 7,283	
2012/13 spent	\$ 14,181	
2013/14 spend	\$ 11,000	(estimated as of budget)
2014/15 budgeting	\$ 12,300	

- FBFD goes on ALL Medical calls at a BLS level, Our City choses to fund the 2 BLS responders With 90% of the calls being medical many of the expenses are related to Life Support and Rescue NOT Fire, this is not the correct truck to lug around town

2012 780 medical calls in Flagler Beach

2013 774 medical calls

FCFR (our local ambulance) is required to be at 100% of Medical calls, their record for ALS within 8 minutes was achieved 90% of the time. (Eisenberg Model)

---

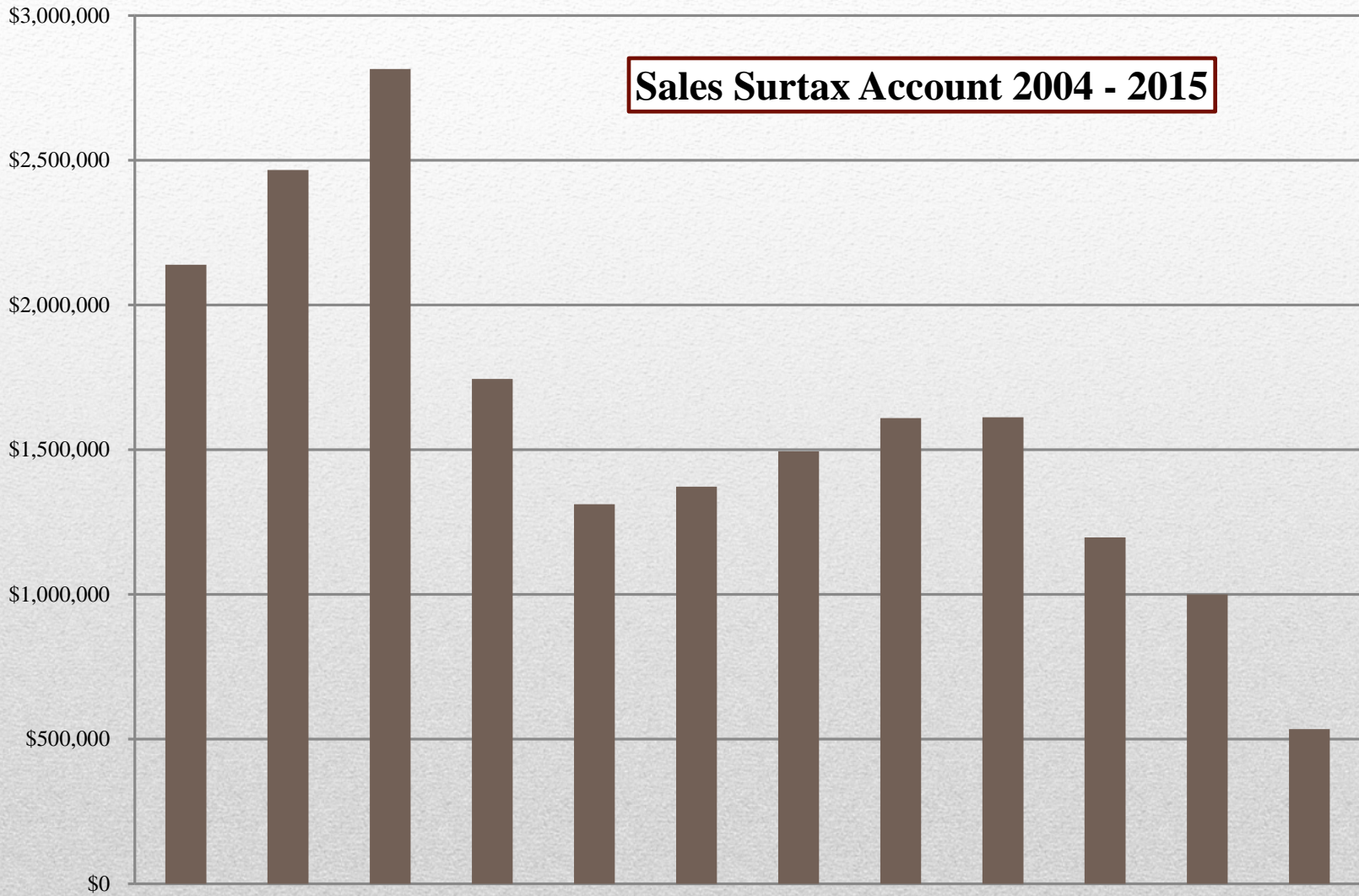
# FUNDING OF PURCHASE WITH SALES SURTAX FUND

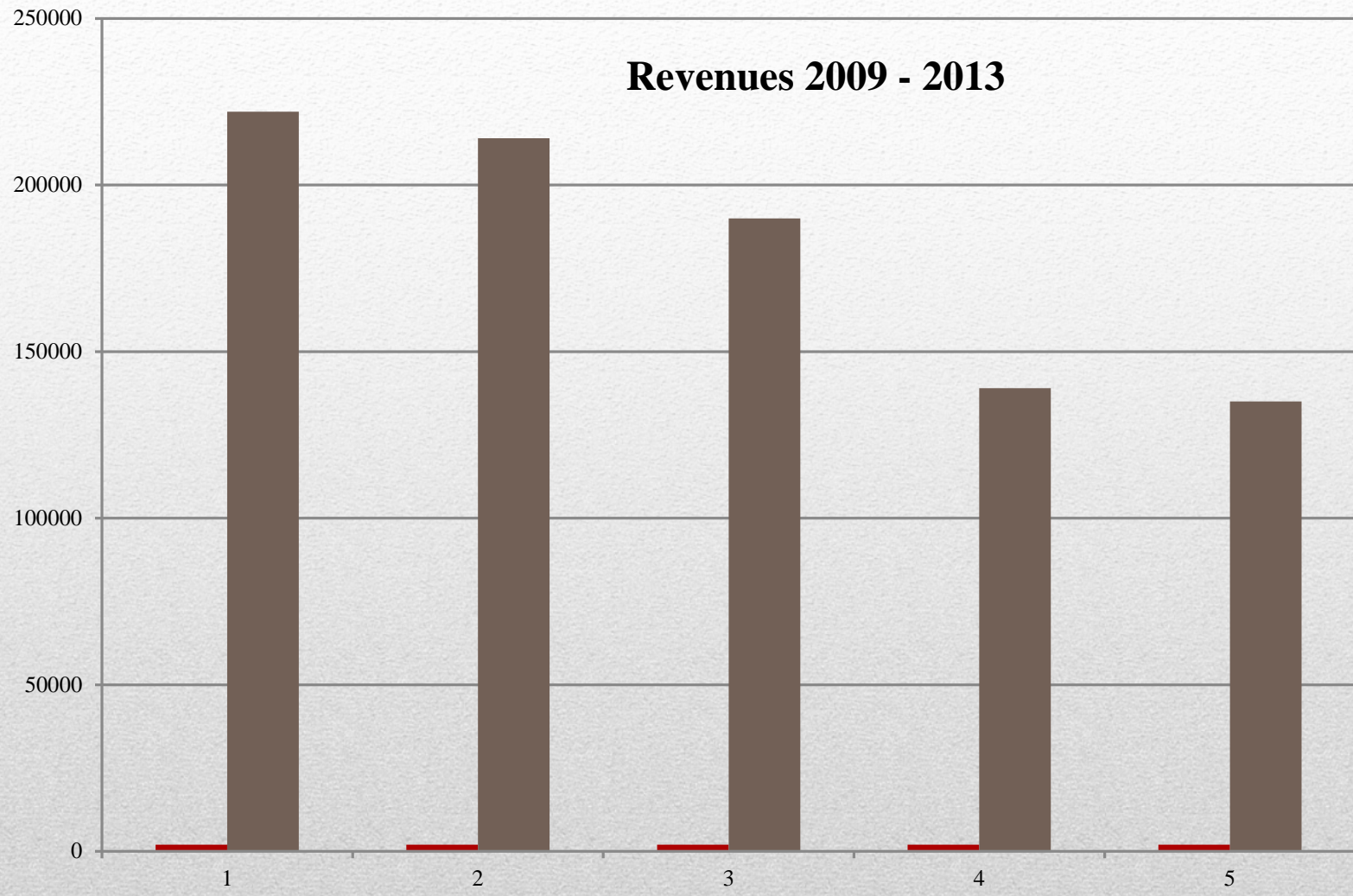
IF we do not use the Sales Surtax Fund we will be forced to use the General Fund, we raise the millage rate to generate the amount of money we need.

This is the only way to keep the purchase OUT of the general fund. Ormond Beach FD uses Lease to Own option for procurement

---

## Sales Surtax Account 2004 - 2015





<b>YEAR</b>	<b>ITEM</b>	<b>AMOUNT</b>
2006 - 2008	Police Station	\$ 1,432,000
2008 - 2010	Radios	\$ 422,036
2008	T11 Fire Truck	\$ 85,000
2010	Life Guard Tower	\$ 45,000
2011	Fire House Doors	\$ 30,000
2011	Loan to CRA	\$ 137,000
2012	3600 S. Central Ave Purchase	\$ 504,000
2011-2014	Fire Truck Reserve	\$ 200,000
2014	Public Works Building	\$ 250,000
2015	SCBA	\$ 65,000
2015	Fire Truck ?????	\$ 450,000

~~SPENDING 2006 - 2015~~

<b>Year</b>	<b>ISX Deposits</b>	<b>Fire Truck Accrual</b>	<b>Additional Fire Fighting Equipment Needed</b>	<b>General Budget</b>
'15 - '16	\$ 135,000	\$ 50,000	2006 Explorer	\$ 30,000
'16 - '17	\$ 135,000	\$ 50,000	Brush Truck Radio Purchase	\$ 35,000 \$ 116,700
'17 - '18	\$ 140,000	\$ 50,000	Fire Van Retire or replace 1996 Engine 111 Radio Purchase	\$ 45,000 \$ 400,000* \$ 116,700
'18 - '19	\$ 140,000	\$ 50,000	Squad Truck Rescue Boat	\$ 100,000 \$ 25,000
'19 - '20	\$ 145,000	\$ 50,000		
'20 - '21	\$ 145,000	\$ 50,000		
'21 - '22	\$ 145,000	\$ 50,000		
'22 - '23	\$ 150,000	\$ 50,000		
'23 - '24	\$ 150,000	\$ 50,000		
'24 - '25	\$ 150,000	\$ 50,000	Replace Engine 11	\$ 450,000*
	<b>\$ 1,435,000</b>	<b>\$ 500,000</b>	<b>\$ 935,000</b>	<b>\$1,318,400</b>



CRA is strapped with a \$700,000 balloon payment in 2017 for our loan on the Downtown Beautification Project where is that money coming from?

---

# THE MONEY DOES NOT ADD UP

*There is no emergency ie. Replace ladder, pump, rear axle housing! Timeframe is determined by the DEMO Quint availability and the availability of Sales Surtax Fund money, NOT the result of a study and justification of our purchase*



UTILITY & STORM  
WATER FUNDS  
RATE HIKE JUSTIFICATION

---



SLOW DOWN

EVALUATE

PLAN FOR THE FUTURE

---

**Staffing** –many departments  
have gone to a staff of 2-all of the  
articles I found recommend 3  
minimum 5 optimal- none  
recommend 2

---

## NFPA 1500

	HIGH	MEDIUM	LOW	FBFD
Engine	6	5	4	2
Ladder	6	5	4	2

NFPA Apparatus but not  
staffing with NFPA  
recommendations

---




# ISO PERSONNEL REQUIREMENTS

## MAXIMUM CREDIT

Engine	4
Ladder	6
Quint	6

---



*Research stresses  
effectiveness of higher  
staffed companies*

*Published Wednesday, April 10, 2013*

*FirefighterNation*

---



An analysis of 14 “critical tasks” those undertaken when potential risks to building occupants and firefighters are greatest found that three-member crews took almost 12 minutes longer than crews of four, 21 minutes longer than crews of five, and 23 minutes longer than crews of six to complete all tasks. Four-person crews took nine minutes and 11 minutes longer than five- and six-member crews, respectively.

---

# Maintenance

**FR1 community: 4 Tips for quints by: FireRescue1 Staff**

*1. Take care of your quint, and it will take care of you.*

“Our quint at my department is run solely as an engine company unless our aerial is out of service. The quint is getting close to 10 years old, and maintenance has started becoming a major issue for the truck. We spoke to the manufacturer about the issue and were informed that their quints were not designed for busy engine company use, like running continuous EMS calls.”

– Jason Parker

---

# Primary Use/Durability

**Quints Continue to Find a Place with Departments of Various Sizes** 4/1/14 By Alan M. Petrillo

Many quints are built on single-axle chassis, so you also have to worry about weight requirements.


A loaded quint's overall weight can be an issue, Harstad points out. "...A single-axle rear-mount can get very finicky with it weight."

---

# “Engine 2 & Ladder 1 Replacement Study” a Massachusetts Fire Department study

## Why tandem axle?

- Test drove 5 new quints in town
  - Longer and stronger aerial ladder
  - Increased water capacity
  - Increased GVW rating
  - Safer weight distribution
  - Safer & better braking capacity
  - Cost is the same or less than a single axle quint depending on the manufacturer
  - Improved longevity to last 25 years fully loaded 24/7/365
-



**Studies from all manufactures show that the cramp angle, turning radius, approach & departure angles are the same or better for the tandem verses the single axle**

**taken from Upton, Massachusetts “Engine 2 & Ladder 1 Replacement Study”**

---



SLOW DOWN

EVALUATE

PLAN FOR THE FUTURE

---