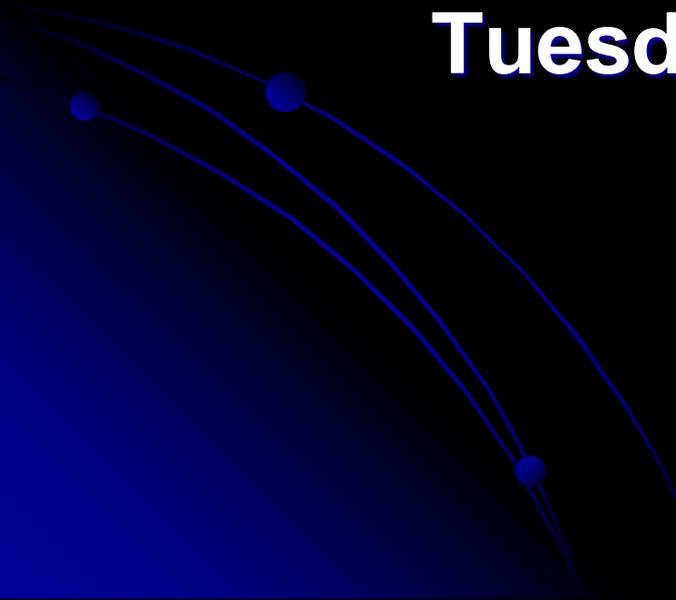


# **2011 Summer Town Meeting**

**Tuesday, August 2<sup>nd</sup>, 2011**



# Coastal Update: Summer 2011



Kelsey-Kennard Airview  
[www.capecodphotos.com](http://www.capecodphotos.com)



April 2011

Kelsey-Kennard Airview

[www.capecodphotos.com](http://www.capecodphotos.com)

# North Beach changes since 2006







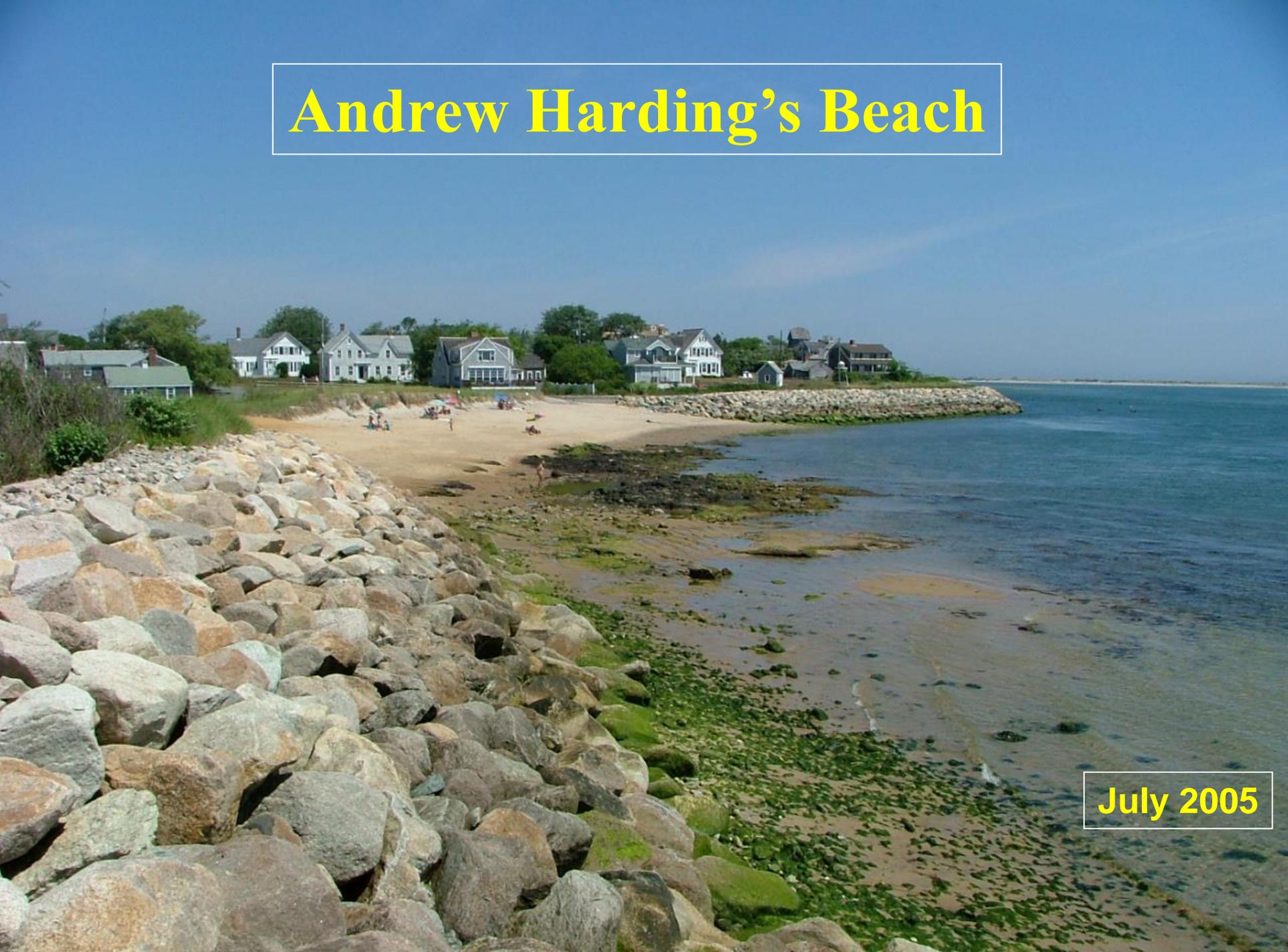
July 2011



Kelsey-Kennard Airview  
[www.capecodphotos.com](http://www.capecodphotos.com)

April 2011

# Andrew Harding's Beach

A scenic view of Andrew Harding's Beach. In the foreground, a large, rugged stone wall made of grey and brown rocks runs along the left side. To the right, the ocean is a deep blue, meeting a sandy beach. Several people are visible on the beach, some sitting and some standing. In the background, a row of houses with white siding and dark roofs is situated on a slight rise. The sky is a clear, bright blue.

July 2005



No Swimming area

July 28, 2011



# Harding's Beach erosion

# Stage Harbor Dredging & Hardings Beach Nourishment

© Kelsey-Kennard Airview  
www.capecodphotos.com

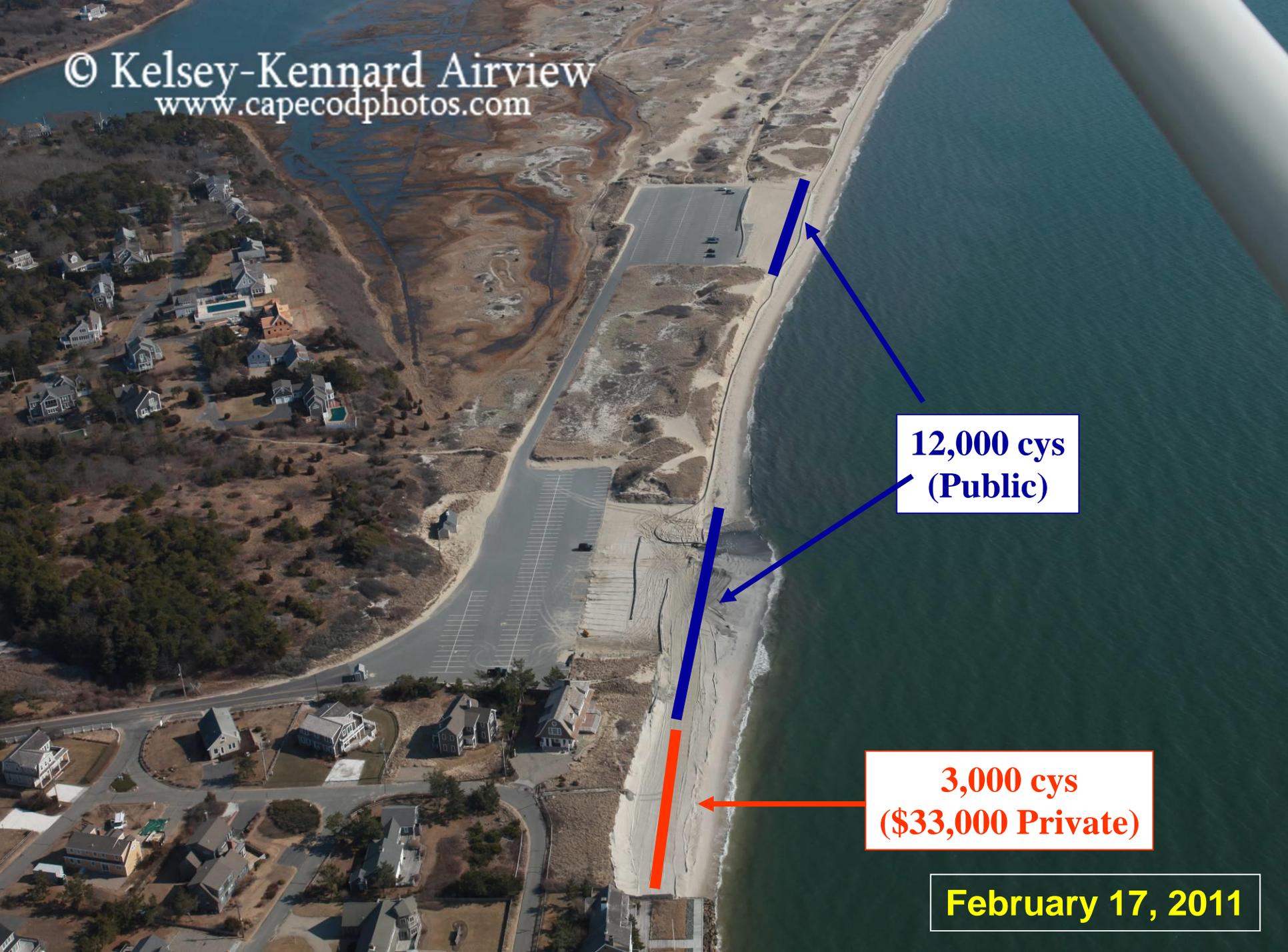
\$125,000 remaining from  
state grant for dredging  
Stage Harbor

Dredge

Booster Pump

February 16, 2011





**12,000 cys  
(Public)**

**3,000 cys  
(\$33,000 Private)**

**February 17, 2011**

**After**



**Before**



**February 7, 2011**

**February 16, 2011**

# Nantucket Sound Shoreline Study

**Chatham**

**Harding's Beach**

**Ridgevale Beach**

**Cockle Cove**

**Forest Beach**

**Pleasant Street Beach**

**Red River**

**Harwich**

# Study Area



# Shoreline Change Analysis



1938-2010

# Sediment Transport Modeling

## Cockle Cove and Ridgevale Beaches

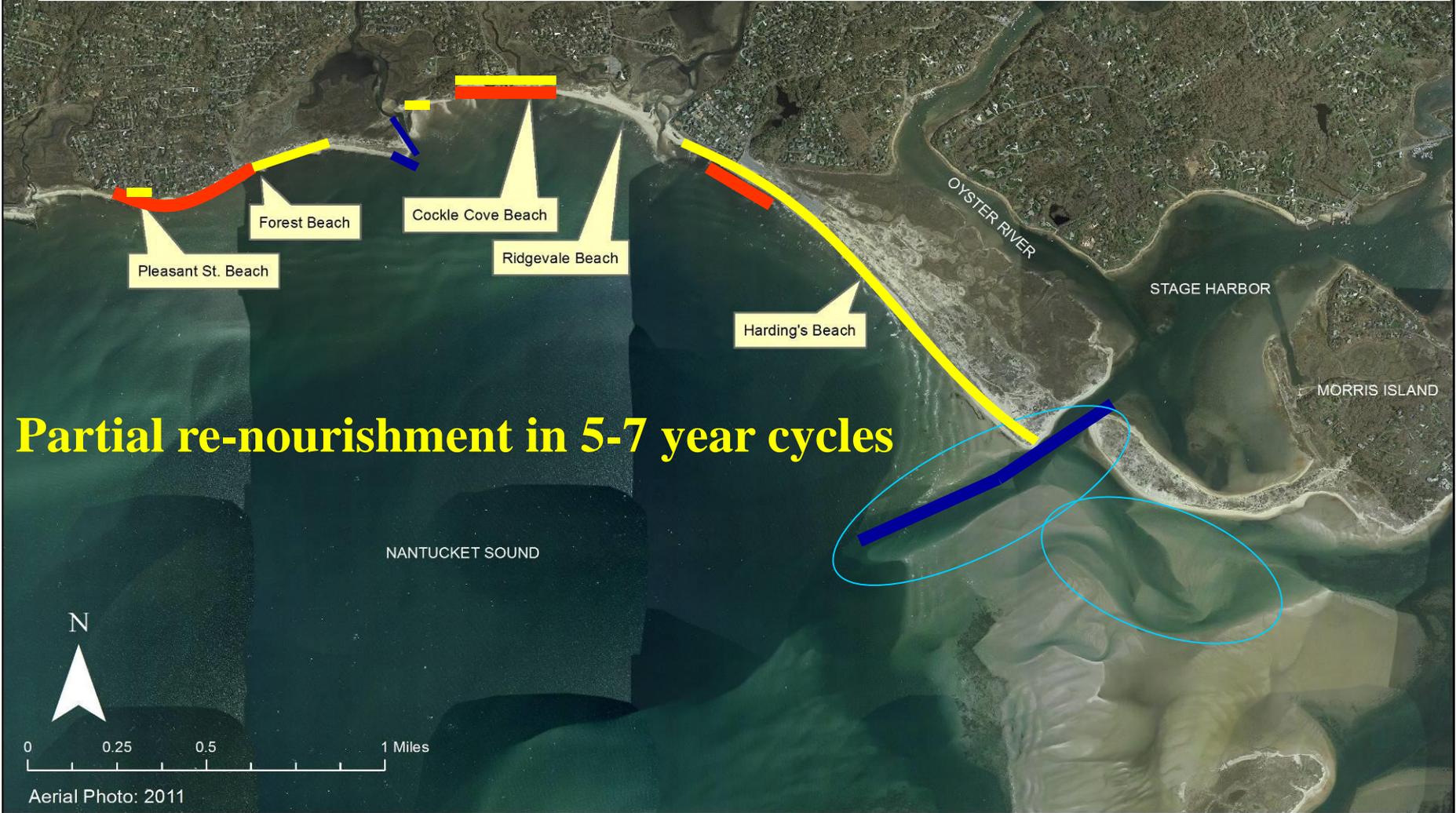


# The “Do-Nothing” Alternative



***20-Year Projection***

**South Chatham: 50,000 cys; \$800,000-\$1M (Private Contractor)**  
**Cockle Cove: 28,000 cys; \$310,000 (County Dredge)**  
**Hardings Beach: 10,000 cys; \$110,000 (County Dredge)**



# Nantucket Sound Sand Management Program

---

- Scope within the capabilities of the Town
- Proactive vs. reactive
  - Planning, permits/approvals, funding
- Implement in phases
  - South Chatham key component
- Community to decide
  - Funding priorities

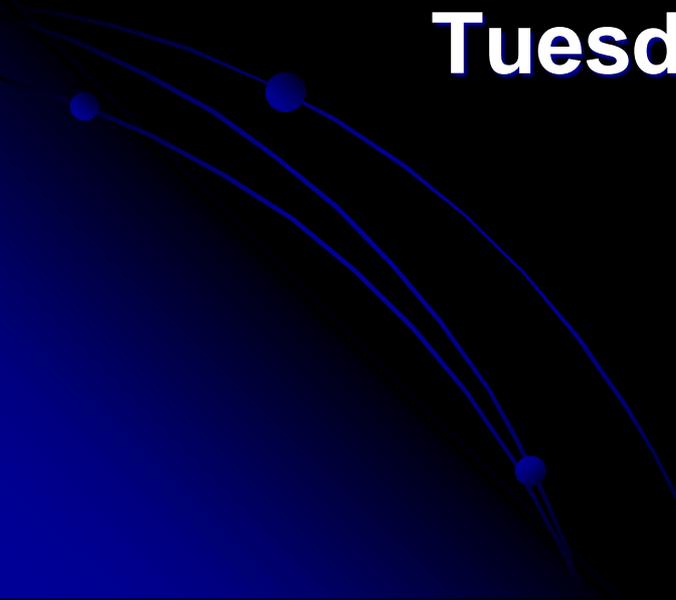
# Thank You



Photo courtesy Paul Lagg

# 2011 Summer Town Meeting

**Tuesday, August 2<sup>nd</sup>, 2011**



# Chatham Scorecard

Hugh Moulton  
Chairman, Sub-committee  
on Finances, Town Facilities



# Financial Summary 2000-2010

## (General Fund)

	2000	2010	Change 2000-2010
Assessed Valuation (Billions)	\$1.8	\$6.4	256%
Tax Rate	\$10.08	\$3.82	-62%
Taxes (Millions)	\$17.7	\$24.3	37%
Total Revenue (Millions)	\$24.3	\$33.4	37%
Expenditures (Millions)	\$22.4	\$31.8	42%
Debts (Millions)	\$41.0	\$70.7	72%
Debt Service	\$4.8	\$5.1	6%
Debt Service to Revenue	20%	15%	

# S.R.A.C. Chatham Scorecard

## Cape Cod Tax Rates 2000-2011

	2000	2011	Change
Chatham	\$10.08	\$4.28	-58%
Eastham	\$11.71	\$5.91	-50%
Brewster	\$11.92	\$6.94	-42%
Mashpee	\$14.31	\$8.37	-42%
Falmouth	\$11.46	\$7.20	-37%
Barnstable	\$12.80	\$8.05	-37%
Bourne	\$12.80	\$8.21	-36%
Dennis	\$8.64	\$5.59	-35%
Wellfleet	\$9.43	\$6.09	-35%
Yarmouth	\$13.06	\$8.64	-34%
Harwich	\$11.70	\$7.70	-34%
Orleans	\$8.46	\$5.57	-34%
Truro	\$7.40	\$5.69	-23%
Provincetown	\$8.55	\$6.81	-20%
Sandwich	\$14.30	\$12.18	-15%

# S.R.A.C. Chatham Scorecard

## Residential Assessments 2000-2011

(Billions)	2000	2011	Change
Chatham	\$1.6	\$5.5	247%
Eastham	\$0.8	\$2.6	231%
Mashpee	\$1.3	\$4.1	213%
Wellfleet	\$0.7	\$2.1	197%
Harwich	\$1.5	\$4.3	187%
Orleans	\$1.2	\$3.3	177%
Falmouth	\$3.7	\$10.2	176%
Bourne	\$1.4	\$3.9	176%
Brewster	\$1.2	\$3.2	169%
Truro	\$0.7	\$1.9	168%
Dennis	\$2.1	\$5.6	166%
Provincetown	\$0.7	\$1.9	165%
Yarmouth	\$1.9	\$4.9	156%
Sandwich	\$1.5	\$3.3	121%
Barnstable	\$6.3	\$11.5	82%

# S.R.A.C. Assessed Value Single Family Home 2011

Chatham	\$793,290
Provincetown	\$729,094
Truro	\$723,718
Orleans	\$712,928
Wellfleet	\$567,903
Falmouth	\$490,714
Eastham	\$462,912
Brewster	\$458,251
Mashpee	\$448,639
Harwich	\$448,342
Bourne	\$422,510
Dennis	\$407,314
Sandwich	\$358,225
Yarmouth	\$321,016
<b>Average</b>	<b>\$524,633</b>

# S.R.A.C. Chatham Scorecard

## Average Single Family Tax Bill - 2011

Dennis	\$2,277
Eastham	\$2,736
Yarmouth	\$2,774
Brewster	\$3,180
<b>Chatham</b>	<b>\$3,395</b>
Harwich	\$3,452
Wellfleet	\$3,459
Bourne	\$3,469
Falmouth	\$3,533
Mashpee	\$3,755
Orleans	\$3,971
Truro	\$4,118
Sandwich	\$4,363
Provincetown	\$4,965
<b>Average</b>	<b>\$3,532</b>

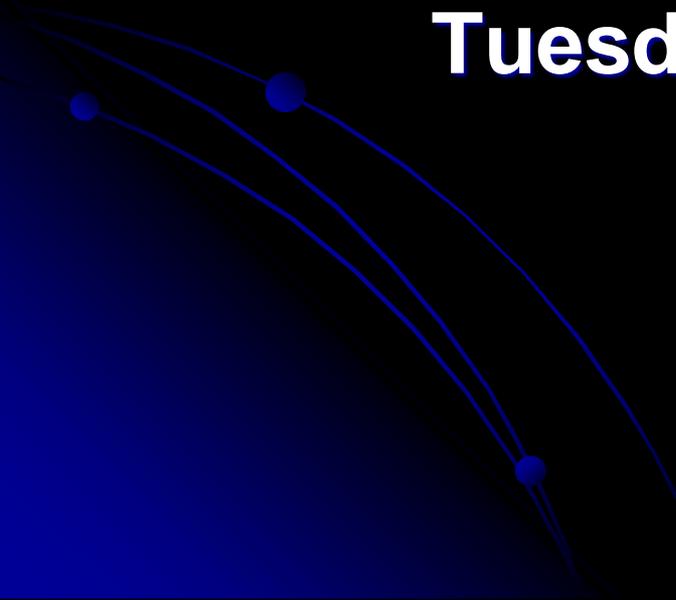
# S.R.A.C. Chatham Scorecard

## Expenditures Per Capita 2010

Bourne	\$2,293
Yarmouth	\$2,416
Barnstable	\$2,557
Sandwich	\$3,000
Dennis	\$3,106
Falmouth	\$3,228
Brewster	\$3,406
Mashpee	\$3,427
Eastham	\$3,837
Harwich	\$3,943
Orleans	\$4,153
<b>Chatham</b>	<b>\$5,336</b>
Wellfleet	\$5,757
Provincetown	\$6,599
Truro	\$6,829

# **2011 Summer Town Meeting**

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# West Chatham Route 28 Corridor

Peter Tarrant

Chairman, Sub-committee on  
Transportation & Safety



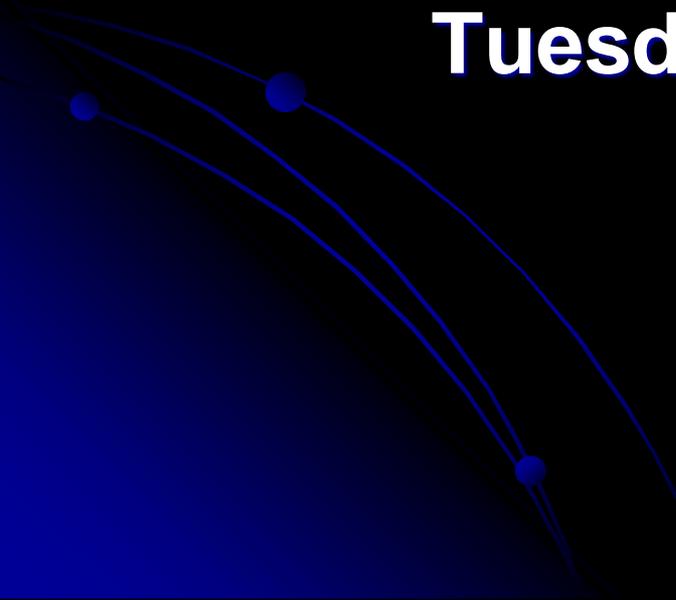


# WEST CHATHAM PROJECT INITIATION FORM (PIF)

Aerial Photo: 2011

# **2011 Summer Town Meeting**

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# Long Range Capital Plan

A photograph of the Chatham Fire Department building, a two-story structure with a grey shingled roof and a central bell tower. The building has three large white garage doors with brick pillars. A red and white fire truck is parked in front of the middle garage door. The text 'CHATHAM FIRE DEPARTMENT' is visible above the garage doors. An American flag flies on a tall pole to the right of the building. The sky is clear and blue.

**Calls for a New Fire  
Station on Depot Road**

# Municipal Resources, Inc. Hired to Study



# Fire Protection Needs For Chatham

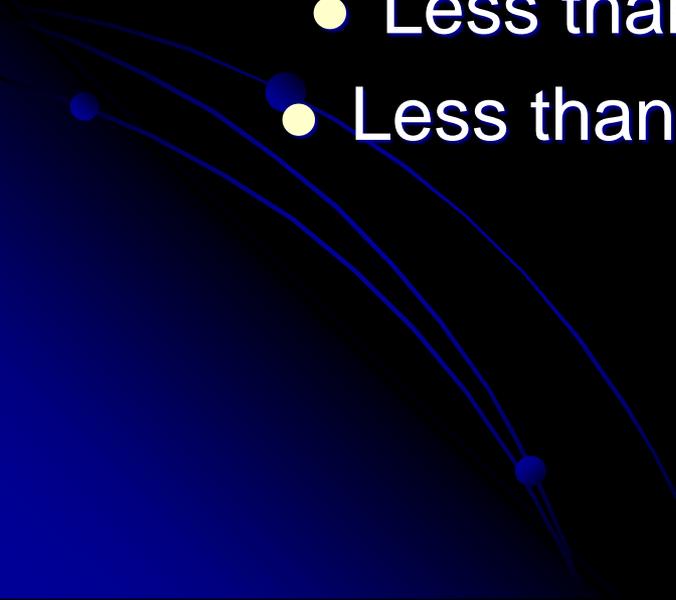
# Study Recommendations:

- Build a New Fire Station on Depot Road
- Build a Substation at Rte. 28 and 137
- Hire Six Additional Firefighters to Staff the Two Stations
- Transfer Dispatch Function to a Regional Center and Redeploy Firefighters to Emergency Response

## National Fire Protection Assoc. Standard:

- 1<sup>st</sup> Response Within Eight Minutes of Call

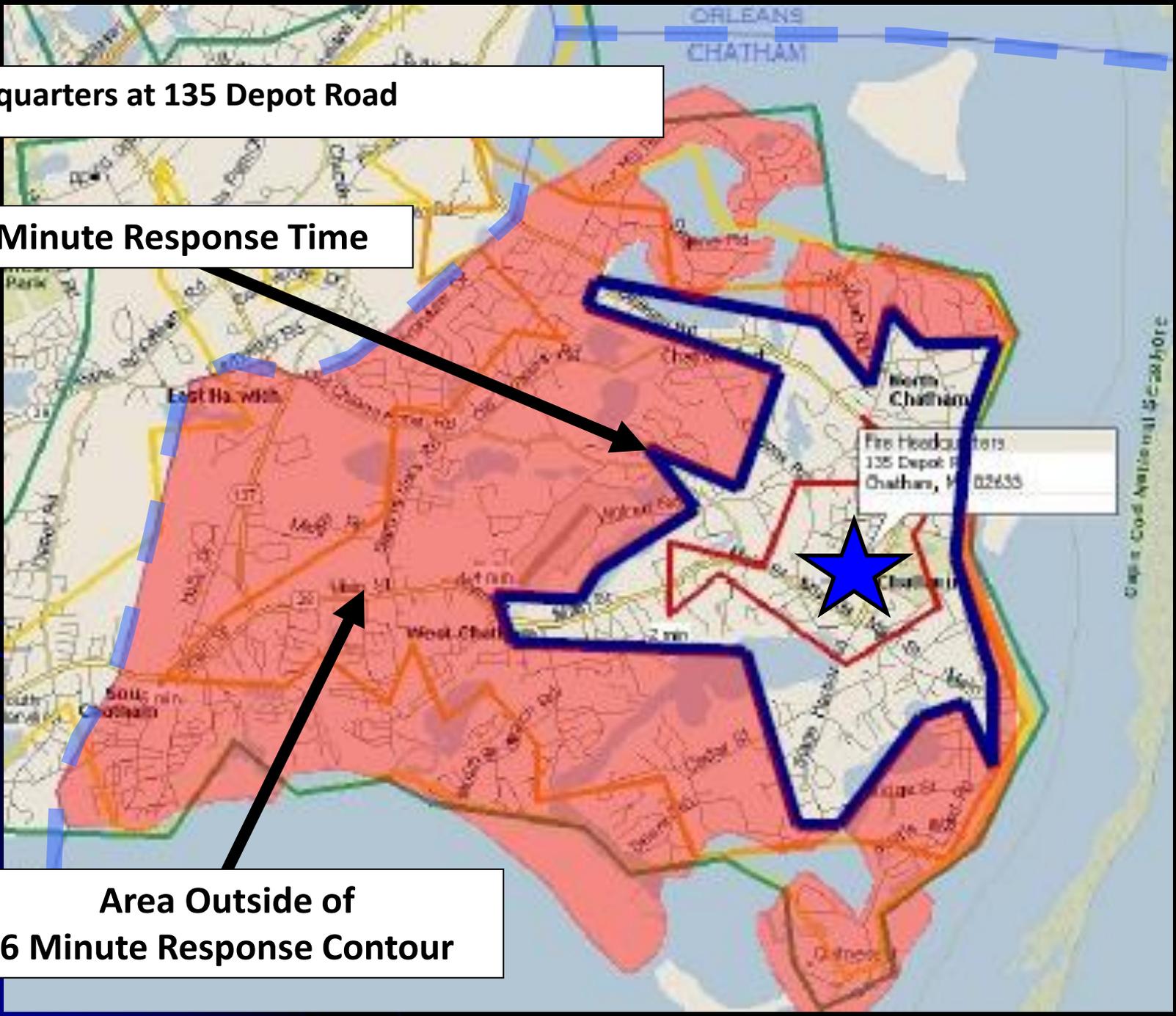
## Current Response Times From Depot Road:

- Less than 8 Minutes 92% of the Time
  - Less than 6 Minutes 78.2% of the Time
- 

**Headquarters at 135 Depot Road**

**6 Minute Response Time**

**Area Outside of  
6 Minute Response Contour**

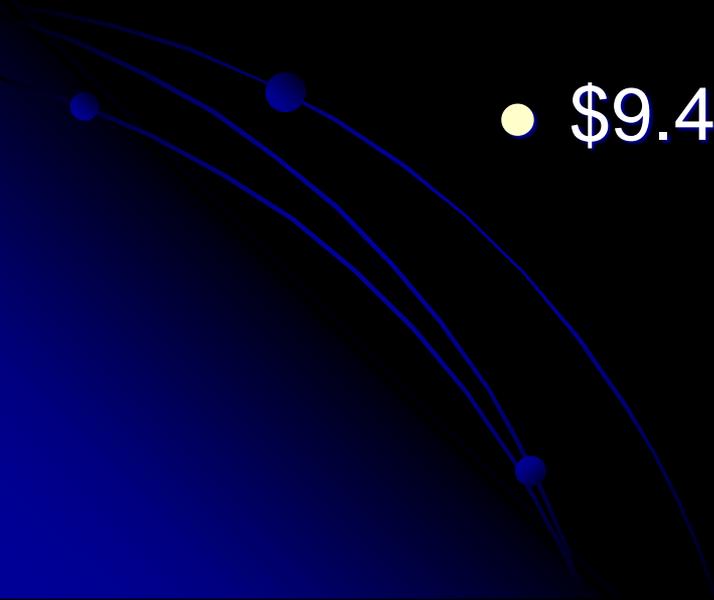


Fire Headquarters  
135 Depot Rd  
Chatham, MA 02633

## Capital Cost of One New Station:

- \$8.3 Million

## Capital Cost of Two Stations:

- \$9.4 Million to \$9.7 Million
- 

# Annual Additional Operating Cost of One Station

- \$81,000 (Salary and Benefits) X 2 = \$162,000

# Additional Operating Cost of Two Stations

- \$81,000 (Salary and Benefits) X 6 = \$486,000
- \$81,000 (Salary and Benefits) x 8 = \$648,000

# **2011 Summer Town Meeting**

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