

# The Moyers Corners Fire Department

*An overview, Summer 2014*



# Who We Are



Station 1



Station 2



Station 3



Station 4



# Town of Clay

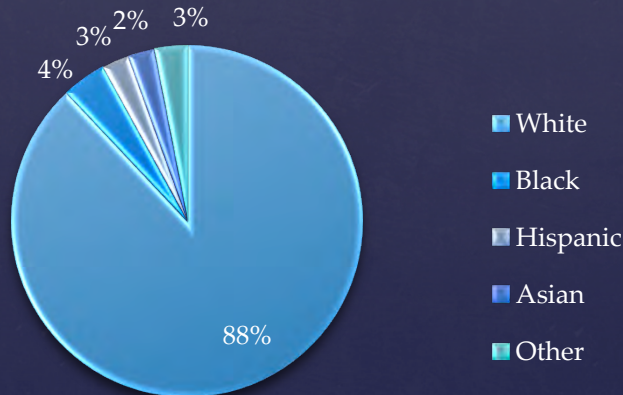
- ‡ Largest Town in Onondaga County
  - ‡ MCFD covers 18 square miles which represents 37% of the town of Clay
  - ‡ Other FD's include: Clay, North Syracuse, Brewerton & Caughdenoy
- ‡ Total area of the Town of Clay is 48.8 Square miles
- ‡ Total population of the Town of Clay is 58,206 people (2010)
- ‡ #2 “Top 50 Safest Cities (pop 50k+)”



# Town of Clay: Demographics

- ⌘ **Education for population 25 years and over in Clay:**
  - ⌘ High school or higher: 90.5%
  - ⌘ Bachelor's degree or higher: 27.5%
  - ⌘ Graduate or professional degree: 9.5%
  - ⌘ Unemployed: 3.7%
- ⌘ Estimated median household income in 2012: \$64,821
- ⌘ Median Age: 38.9 years old

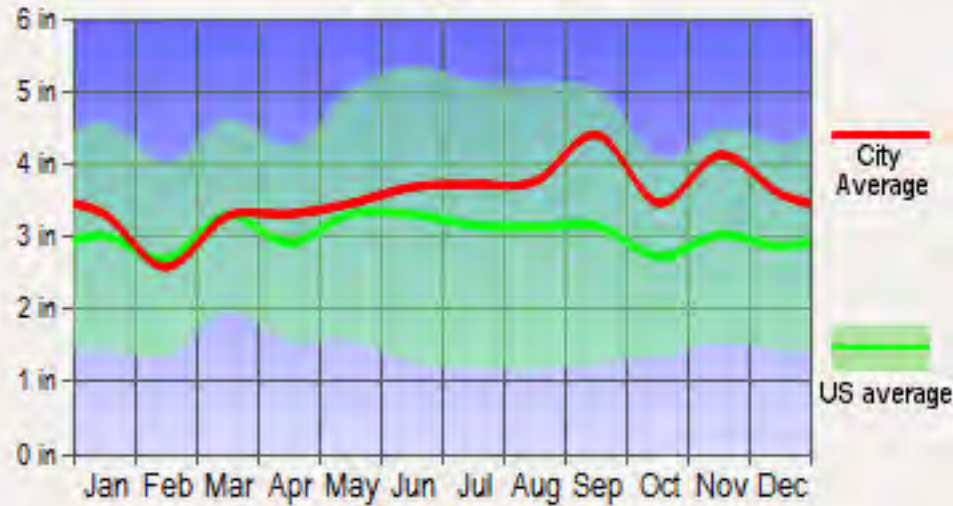
## Population Demographics: Clay, NY





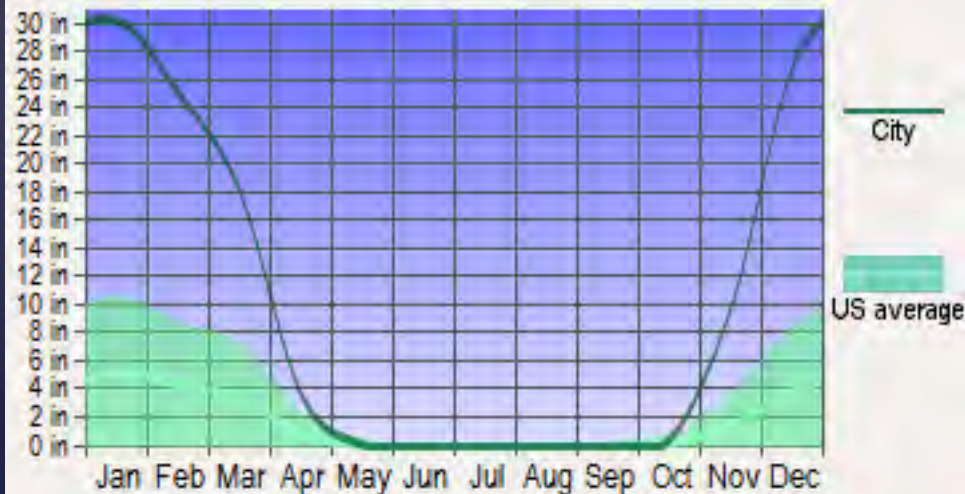
# Climate

## Precipitation



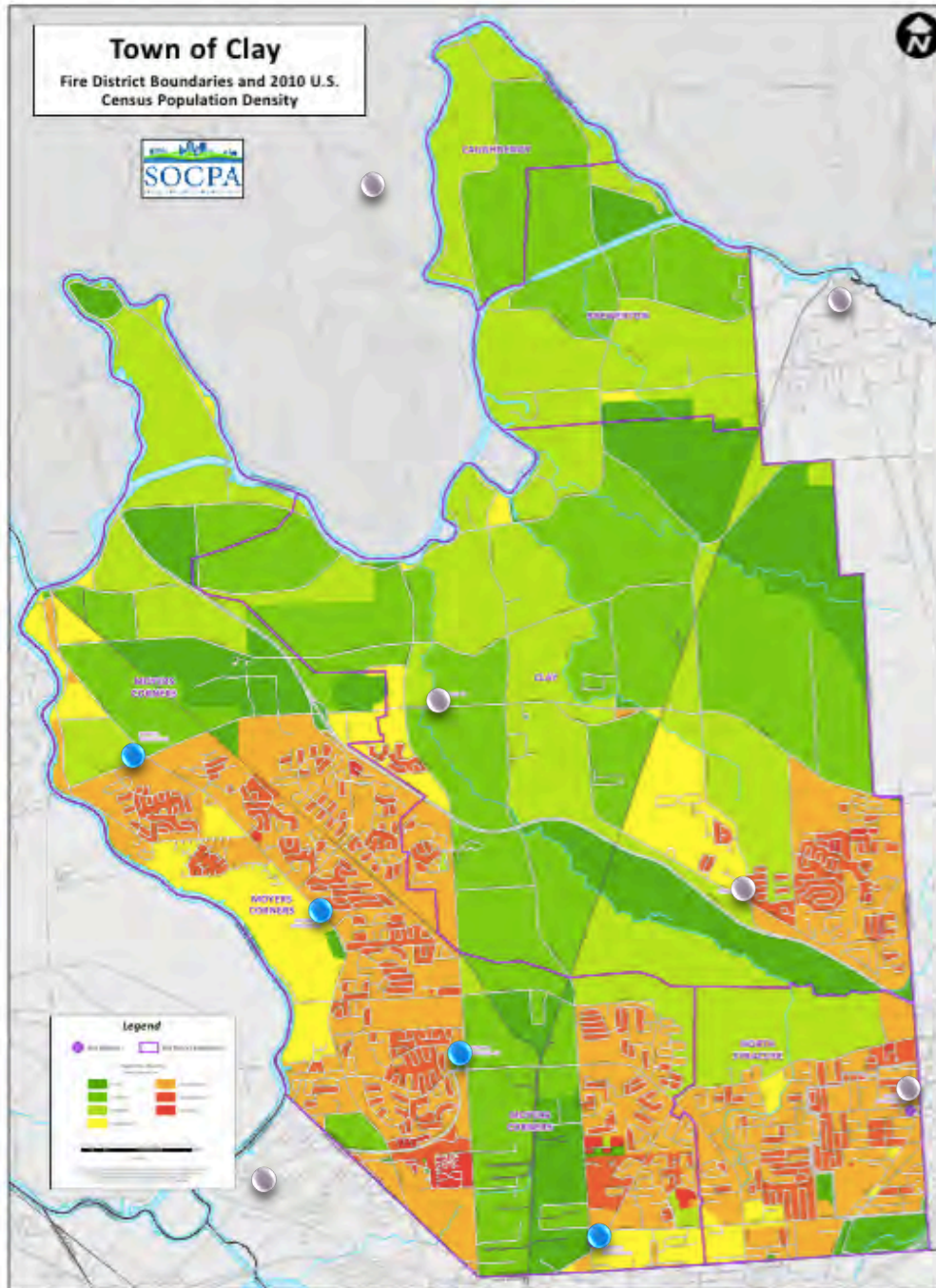
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## Snowfall





**Fire District Boundaries and 2010 U.S. Census Population Density**





# Moyers Corners

- ✧ 4 Stations
- ✧ 150 active members
- ✧ 1400+ calls a year

## ✧ Apparatus:

- ✧ 6 Engines
- ✧ 2 Rescues
- ✧ 2 Aerials
- ✧ 3 EMS Squads
- ✧ 1 Hazmat/special operations vehicle (DHS)
- ✧ 6 Command Units



# Executive Structure

**Board of Directors**, annually elected:

6 Chiefs – Operations

6 Executives - Administrative







# Department Structure - Operations

Chief of Department

Deputy Chief of  
Planning

Deputy Chief of  
Logistics

Deputy Chief of  
Operations

Battalion I Chief

Battalion II Chief

Captain

Captain

Captain

Captain

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant

Lieutenant



# Department Structure - Administrative

President

Treasurer

Vice President

Secretary

Assistant  
Treasurer

Assistant  
Treasurer



# MCFD Service Area:

- ⌘ Covering the Town of Clay
- ⌘ Service area: 18 Square miles (37% of Clay)
- ⌘ Population of 35,100 citizens (60% of Clay)
- ⌘ 14,700 housing units (61% of Clay)
  - ⌘ Average value: \$133,500
- ⌘ Population density ~1,480 persons/sq mile
- ⌘ \$2B+ in residential assets protected







# Notable Characteristics



# Recent Expansion: Rivers Pointe

- & 416 total apartments
- & Assessed Value: ~\$1.2M
- & Maximum occupancy: 1552
- & Partially occupied already @80%





# CSX Rail System

- ⌘ 22 Miles of rail including 2 main lines
  - ⌘ The St. Lawrence Subdivision
  - ⌘ The Fulton Subdivision
  - ⌘ Woodard Yard Expansion (intermodal)
  - ⌘ 3-4 trains per day, many carry hazardous materials





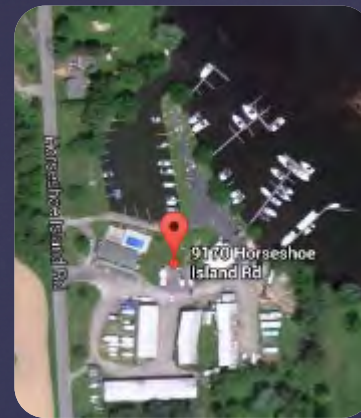
# Horseshoe Island

- & Approximately 2 square miles
- & Single bridge entry, limited hydrants





# Pirate's Cove Marina & Whispering Woods Marina



& 100+ Watercraft in season





National Grid Facility  
& Northeast Regional Training Center  
& Transformer Construction  
& NY Electric Transmission Power Control Center  
& CNY Electric Distribution Control Center  
& Facility is on the DHS Terrorism Target Watch List





# Wastewater Treatment Plant

& Wetzel Road

& Covers the Town of Clay and Town of Salina





# Wastewater Treatment Plant

Treatment Plant Specifications

Grit Chambers	(2) Chambers—32,000 gal / tank
	64,000 gal – total
Primary Clarifier Tanks	(2) Tanks – 86'l x 32'w x 8.25'd
	(1) Tank – 86'l x 32'w x 10'd
	545,500 gal - total
Intermediate Pump Station	(1) Tank – 1,910 sqft x 14.33'd
	204,700 gal / tank
BAF "C" Cell Tanks	(4) Tanks—20.25'l x 26.8'wx20'd
	324,800 gal - total
BAF "N" Cell Tanks	(4) Tanks—15.5'l x 26.8'w x 20'd
	248,600 gal - total
Backwash Tank (octagonal)	(1) Tank – 1,910 sqft x 14.33'd
	204,700 gal / tank
CMDf Tanks	(4) Tanks – 8.5'l x 10'w x 20'd
	50,900 gal – total
Post-Aeration Tanks	(2) Tanks – 79'l x 16'w x 8.25'd
	78,000 gal / tank (1 used)
Primary Digester Tanks	(2) Tanks – 50' dia x 21.4' swd
	628,300 gal – total
Secondary Digester Tank	(1) Tank – 50' dia x 21'swd
	308,300 gal / tank
Thickener Tanks	(2) Tanks - 35' dia x 12' swd
	172,600 gal – total

Treatment Plant Data (2013)

Average Daily Data	
Design Flow:	7.0 MGD (peak 15.7 MGD)
Avg Flow:	3.2 MGD (peak 7.8 MGD)
Design BOD:	8,550 lbs/day
Ave Inf CBOD:	138 mg/L / 3,504 lbs/day
Ave Eff CBOD:	2.2 mg/L / 57 lbs/day
Design TSS:	6,840 lbs/day
Ave Inf TSS:	171 mg/L / 4,376 lbs/day
Ave Eff TSS:	4.2 mg/L / 109 lbs/day
Design TP:	220 lbs/day
Ave Inf TP:	3.6 mg/L / 90 lbs/day
Ave Eff TP:	0.2 mg/L / 4.5 lbs/day
Design TKN:	1,330 lbs/day
Ave Inf TKN:	26.4 mg/L / 669 lbs/day
Ave Eff TKN:	0.9 mg/L / 24 lbs/day
Annual Information	
Biosolids Hauled:	778,834 lbs/dry
Grit Hauled:	1,348 cu ft
Screenings Hauled:	2,985 cu ft
Grease Hauled:	33,179 gal
Alum. Sulfate Usage:	101,586 gal

# Raymour and Flanigan Warehouse



- & Huge stock of furniture/significant fire load
- & Northeast regional distribution center
- & 27.5m cubic feet of storage space





# Rite Aid Distribution Center

- ⌘ Northeast distribution center
- ⌘ Significant fire load
- ⌘ Hi-Rack storage
- ⌘ 20m+ Cubic Feet of Storage





# Metropolitan Water Authority

- ⌘ Significant distribution center for much of CNY
- ⌘ 50" main from Lake Ontario



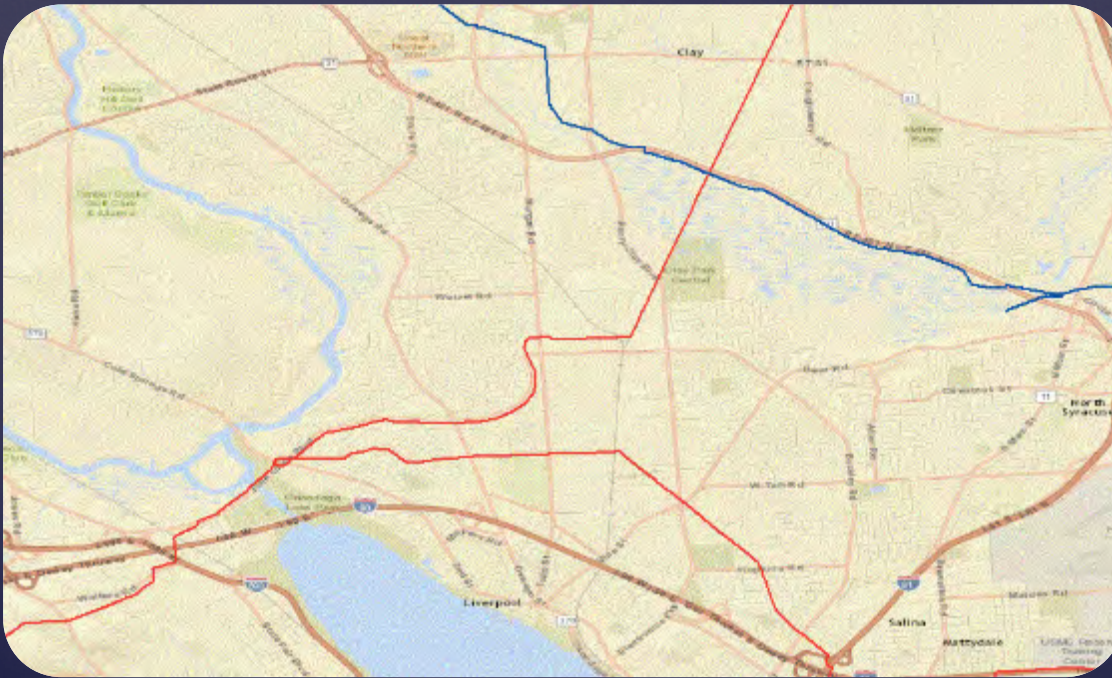


# Buckeye Pipeline

& Red: Hazardous liquid pipelines

& Blue: Gas transmission pipelines

& Main connection from East Coast to Ohio





# Madison Village

- ⌘ Largest mobile home community in Onondaga County
- ⌘ One of the largest in Central NY
- ⌘ 436 occupied lots, 831 total lots
- ⌘ Assessed at \$25M-\$50M







&



# Milling Plants

- & Grain dust explosion potential
- & Elevated structures
- & High angle rescue
- & Heavy machinery





# 4 Full-Sized Grocery Retailers



3 Wegmans retailers  
1 Tops market





# The Great Northern Mall



& Over 100 retailers

& 900,000+ square feet of shopping area

& Averages about 6 Million visitors each year





# Educational Facilities:

- ‡ Onondaga County Community College North Campus
- ‡ Bryant & Stratton College
- ‡ Liverpool High school
- ‡ Liverpool High school annex
- ‡ Morgan Road Elementary
- ‡ Soule Road Elementary School
- ‡ Soule Road Middle School
- ‡ Willowfield Elementary
- ‡ Wetzel Road Elementary







# Operations Comparison

	Call Volume	Annual Budget	Funds per Call
Fayetteville	683	\$1,300,000.00	\$1,903.37
Rome	3,700	\$6,400,000.00	\$1,729.73
Auburn	5,692	\$7,900,000.00	\$1,387.91
E. Syracuse	940	\$1,200,000.00	\$1,276.60
Poughkeepsie	5,000	\$5,700,000.00	\$1,140.00
Moyers Corners	1,398	\$1,567,000.00	\$1,120.89

Funds per call





Department	Milage	Annual Budget	Funds per Sq. Mile
City of Syracuse	26	\$31,000,000.00	\$1,192,307.69
Poughkeepsie	5.7	\$5,700,000.00	\$1,000,000.00
Long beach	4	\$3,933,000.00	\$983,250.00
Watertown	9.3	\$8,832,000.00	\$949,677.42
Auburn	8.4	\$7,900,000.00	\$940,476.19
Fulton	4	\$3,071,000.00	\$767,750.00
Oswego	11.2	\$4,900,000.00	\$437,500.00
Oneida	22	\$3,112,000.00	\$141,454.55
Moyers Corners	18	\$1,567,000.00	\$87,055.56
Rome	75	\$6,400,000.00	\$85,333.33

# Funds per Square Mile





Department	Population	Budget	Funds per Citizen
City of Syracuse	145,000	\$31,000,000.00	\$213.79
Watertown	27,000	\$8,832,000.00	\$327.11
Fayetteville	4,373	\$1,300,000.00	\$297.28
Auburn	27,687	\$7,900,000.00	\$285.33
Oneida	11,363	\$3,112,000.00	\$273.87
Oswego	18,142	\$4,900,000.00	\$270.09
Fulton	11,896	\$3,071,000.00	\$258.15
Rome	33,725	\$6,400,000.00	\$189.77
Poughkeepsie	33,000	\$5,700,000.00	\$172.73
Long beach	33,400	\$3,933,000.00	\$117.75
N Syracuse	6,862	\$705,495.00	\$102.81
Manlius	32,370	\$1,500,000.00	\$46.34
Moyers Corners	35,100	\$1,567,000.00	\$44.64

# Dollars per Citizen



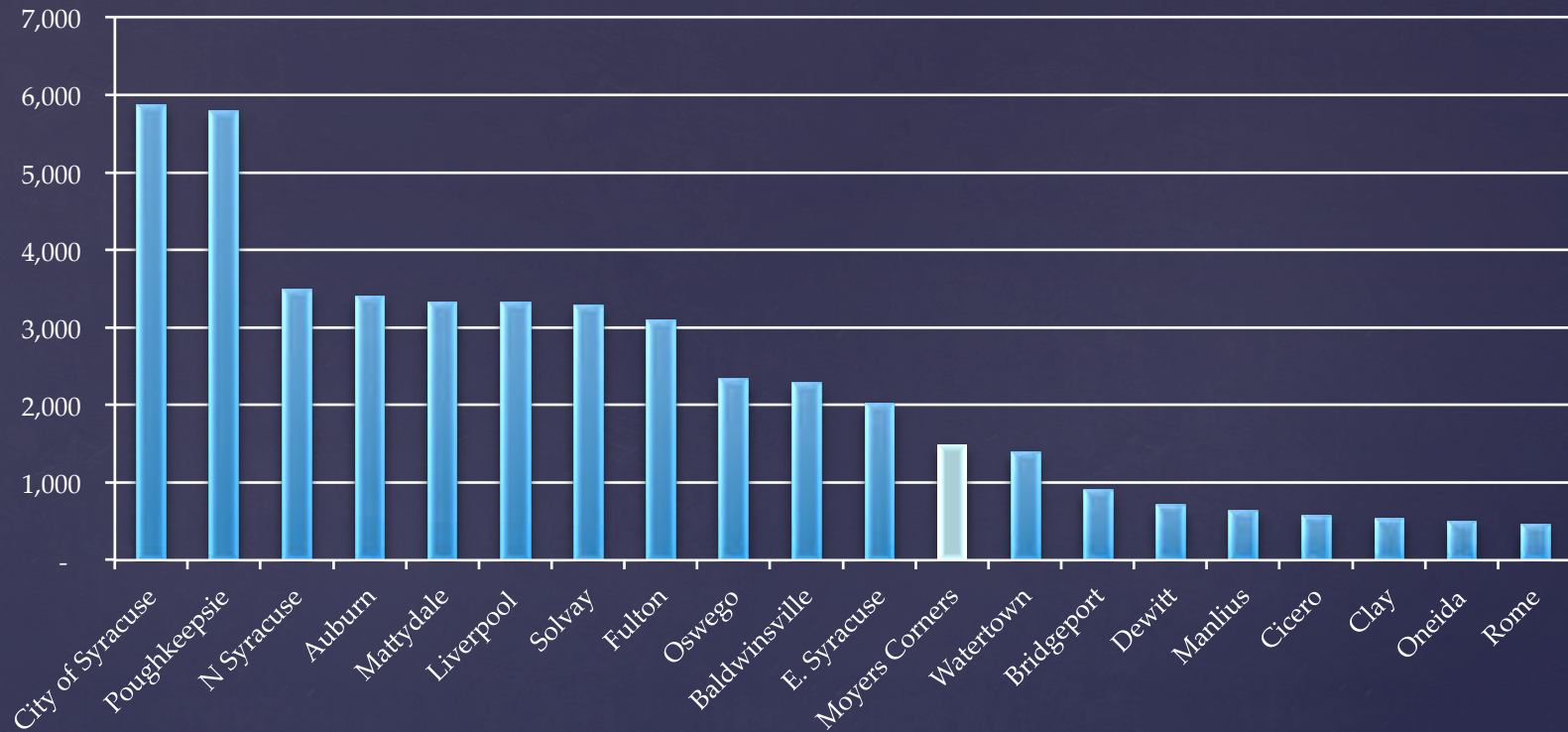


# Housing Parcels





## Persons per square mile



# Population Density

