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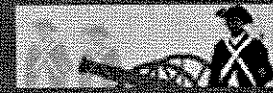
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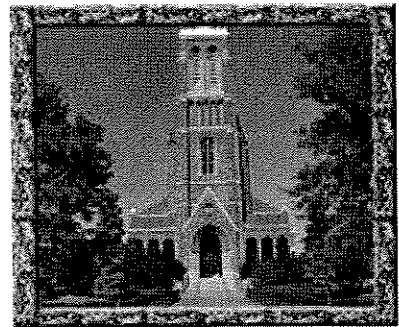
THE ARSENAL CITY

"...a great place to live and work..."

Welcome from the Mayor

On behalf of myself, the Watervliet City Council and all the residents and businesses of the City of Watervliet, I would like to welcome you to the City of Watervliet's web site.

The goal of this web site is to provide universal access to information about the City of Watervliet. Information about city departments, useful phone numbers, Watervliet history, programs and services are all provided through this resource.



Watervliet is a unique urban home town community, nestled in the heart of the Capital District. I hope this information provides insight into Watervliet as a community as well as the city government's operations and services.

Robert D. Carlson
Mayor

Attention Watervliet Residents: Announcing the City of Watervliet's 3rd Annual Beautification Contest

You can nominate your own home, a neighbor's, or friends but forms must be submitted by October 1st, 2006

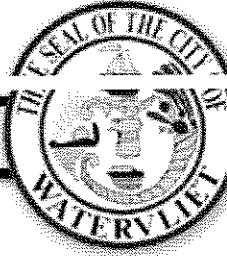
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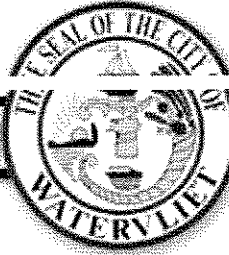
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MAYOR

Hon. Robert D. Carlson, Mayor**ADDRESS:**Room 3, City Hall
Watervliet, New York 12189**PHONE:**

518-270-3815

The Mayor is Chief Executive Officer of the City of Watervliet, and presides over the Watervliet City Council. The Mayor is elected every four years and the position is part time.

Previous Mayors of the City of Watervliet:

1897 to 1900	Michael J. Day
1901 to 1904	Abram Hilton
1905 to 1908	Daniel P. Quinn
1909 to 1912	Dr. Eugene Hanratta
1913 to 1915	Edwin Joslin
1916 to 1917	Edward J. Foley
1918 to 1919	Edwin Joslin
1920 to 1923	Michael Walsh
1924 to 1931	George Halpin
1932 to 1946	James F. Donlon
1946 to 1967	Hugh Donnelly
1968 to 1973	James Cavanaugh
1973 to 1996	J. Leo O'Brien
August 1996 to present	Robert D. Carlson

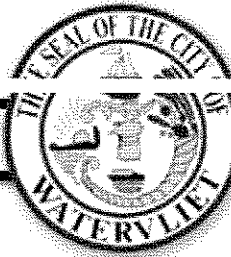
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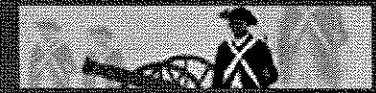
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CITY COUNCIL

Click here for City Council Meeting Minutes

ADDRESS: Room 3, City Hall
Watervliet, New York 12189

The City Council Members are: Mr. Michael P. Manning (term expires December 31, 2010)
Mr. Charles J. Diamond (term expires December 31, 2003)

The Watervliet City Council is comprised of the Mayor and two Council persons Elected-at-Large for overlapping four year terms. Council positions are part time and duties and responsibilities are outlined in the City Charter.

GENERAL POWERS: The City Council is the Legislative, appropriating, governing and policy determining body of City government. They approve all budgets, and set various policies for all City departments.

Previous City Council Members:

1920 to 1923	Mr. Woodward and Mr. Sambrook
1924 to 1931	Mr. Daniel Quinn and Mr. Daniel Mahar
1932 to 1946	Mr. Daniel Quinn, Mr. Daniel Mahar, Mr. Phillip Fox, Mr. Henry Hughes
1947 to 1967	Mr. Thomas Sullivan, Mr. Phillip Fox, Ed Koonman, Mr. James Dillon
1968 to 1973	Mr. J. Wilson James and Mr. William Anderson
1973 to 1991	Mr William Anderson and Mr. Louis J. DiNuzzo
1991 to 1996	Mr. William Anderson and Mr. Robert Carlson
1996 to 2005	Mr William Anderson and Mr. Charles Diamond

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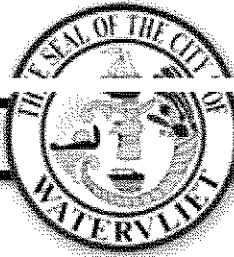
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HISTORIAN

Craig Carlson, City Historian

ADDRESS:

Room 6, City Hall
Watervliet, New York 12189

PHONE:

518-270-3815

RESPONSIBILITIES:

The part time position of City Historian exists to preserve, collect and disseminate local historical knowledge. The Historian's duties include managing historical documents and materials in concert with the City Clerk, responding to requests for historical information, and calling to the attention of local authorities any materials or issues of local historical value.

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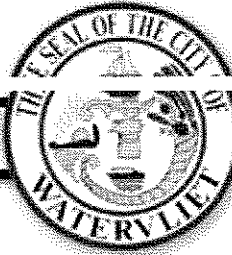
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WATERVLIET FIRE DEPARTMENT AND EMERGENCY SERVICES

Paul S. Murphy, Commissioner of Public Safety

Brian Carroll, Fire Chief

ADDRESS:

The Thomas M. McCormack Fire Headquarters Facility

116 13th Street

Watervliet, New York 12189

PHONE:

518-270-3826

Mission Statement:

The mission of the City of Watervliet Fire Department is to minimize and prevent the risks of fire and other hazards to the citizens of Watervliet. The Department also provides Emergency Medical Services, Hazardous Material Spill Mitigation, and Accident Rescue Service. These services are provided at the highest professional levels anywhere within the corporate limits of the City of Watervliet.

[A Welcome from the Fire Chief](#)

[List of Services](#)

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[A Brief History of the Watervliet Fire Department](#)

[Department Statistics](#)

[Fire Department Organization and Operations](#)

WELCOME TO THE WATERVLIET FIRE DEPARTMENT

On behalf of the City of Watervliet Fire Department officers and firefighters, I would like to welcome you to the Watervliet Fire and Emergency Services Web Site. Our goal in creating this internet site is to provide universal access to information regarding the City of Watervliet Fire Services.

If you have any other questions about Fire and Emergency Services in Watervliet, please feel free to contact Brian Carroll at 518-270-3826.

LIST OF SERVICES PROVIDED BY THE DEPARTMENT

- Fire Suppression and Control
- Fire Prevention and Public Relations
- Fire Investigation
- Hazardous Material Incident Response
- Emergency Medical Service Response (EMT and PARAMEDIC)
- Natural Gas, Carbon Monoxide and Electrical Emergency Response

- Emergency Rescue Response
- Mutual Aid to Neighboring Communities
- Non Emergency Service for Public Assistance

FIRE INVESTIGATION TASK FORCE

The Watervliet Fire Investigation Task Force was created in 1991 and is a synergy between the Watervliet Fire Department and Watervliet Police Department. The team is comprised of three Fire Officers and two Police Investigators. All members of the Task Force are certified by the New York State Office of Fire Prevention and are all graduates of the Arson Investigation Academy at Montour Falls, New York. During 1995 there were five arson case investigations and there was one arson arrest. Any inquiries regarding the Fire Investigation Task Force should be forwarded to Fire Chief Brian Carroll.

A BRIEF HISTORY OF THE WATERVLIET FIRE DEPARTMENT

The history of the Watervliet Fire Services dates back to the early 1800's with the formation of volunteer companies. The first recorded fire company was organized in 1828 and was known as the Niagara Engine Company No.1. Throughout the 1800's various Watervliet Fire Department Companies provided service to the community. These Fire Companies include:

1828	Niagara Engine Company No. 1
1838	Rip Van Winkle Company No.1 and Conqueror Engine Company No.1
1839	Hercules Hook and Ladder and Spartan Hook and Ladder
1859	Oswald Hose Company No. 1
1864	James Ray Steamer Company
1866	C.K. Tinney Hose Company and Clute Hose Company
1867	James Duffy Engine Company
1870	Michael Kelly Hose Company
1873	Thomas McIntyre Hose Company and Martin Tierney Hose Company
1876	Protection Hose Company
1913	Arsenal City Hose Company
1925	City of Watervliet Fire Department

The first career or paid Firefighter was James J. Corbett who was appointed the first city-wide Fire Chief in 1925. During that same year six full time paid firefighters were appointed by the City Administration.

The list of City of Watervliet Fire Chiefs includes:

1925	James J. Corbett
1951	Edward G. Hughes
1968	Frank J. Luddy
1977	William E. Healey
1981	Edward J. McCarthy
1985	W. Michael Ellis
1993	Thomas M. McCormack (died in the Line of Duty)
1997	Daniel Spratt
2004	Brian Carroll

More detailed historical information can be found in the publication, The History of Watervliet, located at the Watervliet Public Library.

2001 Fire Department Statistics from 1/1/01 to 12/2/01

	WITHIN CITY	MUTUAL AID	YEARLY TOTALS
FIRES	---	---	---
Building	22	3	25
Vehicle	11		11
Other	15		15
OVERPRESSURE RUPTURES	1		1
RESCUE CALLS	---	---	---
Emergency Medical	880	6	886
All Others	5		5
HAZARDOUS CONDITON CALLS	67	2	69
SERVICE CALLS	238	24	262
GOOD INTENT CALLS	70		70
FALSE CALLS	---	---	---
Malicious	3		3
Other False	45	5	50
ALL OTHER CALLS	0		0
TOTAL CALLS	1357	40	1397

ISO FIRE INSURANCE RATING-CITY OF WATERVLIET
1970 to 1995=6
1995 to date=4

FIRE DEPARTMENT ORGANIZATION AND OPERATIONS

The **Watervliet Fire Department** is the Fire and Emergency Services branch of the City of Watervliet municipal government. The Department consists, currently, of twenty five full time professional firefighters. The Department operates under a four platoon system which provides for six staff members per platoon. The on duty work schedule is a twenty four hour shift.

The first alarm response consists of one engine, a light rescue unit, and an aerial tower manned by platoon members on duty. Greater alarms are responded to by recall of off duty personnel via the Departments page/radio monitoring system and additional mutual aid or special call response. Advanced Emergency Medical certifications are held by all members of the firefighter staff. The EMS program is overseen by a medical doctor (Dr. Dailey) and Capt. Rob Conlon.

The **Table of Organization** for the Fire Department begins with the Mayor as the Chief Elected Officer. He has the responsibility to order or declare a "State of Emergency" as prescribed under New York State and Albany County Disaster Control Programs. The General Manager is the Commissioner of Public Safety and is ultimately responsible for all emergency operations of the Fire and Police Departments. The Fire Chief is the ranking officer and chief administrator of the day to day operations of the Fire Department. Ranking Below the Fire Chief are Captains, Lieutenants and Firefighters. Fire Captains are Shift Commanders of the four Platoons.

The Incident Command System (ICS) is a coordinated effort that brings together the major elements of an operation - specifically, command, operations, planning, and logistics under a unified command. The ICS is the backbone of Emergency Services response in the City of Watervliet.

Watervliet Fire Department provides service to:

- 10,202 residents (population density highest in the Capital District - 7,134 persons per sq. mile)
- 5,052 dwellings units (84% of all dwelling units are pre-1940 construction)
- 3 elementary and secondary schools and numerous commercial and industrial sites in the community

Current Shift Commanders - 2005:

- Platoon 1 - Battalion Chief Remillard & Capt. Halpin
- Platoon 2 - Capt. Eagan & Capt. Conlon
- Platoon 3 - Battalion Chief Holmes & Capt. Mazzarillo
- Platoon 4 - Battalion Chief Panichi & Capt. Skinner

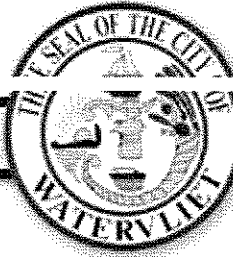
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PARKS AND RECREATION

Christopher Daus, Recreation Working Supervisor

ADDRESS: Room 302, City Hall
Watervliet, New York, 12189

PHONE: 518-270-3811

FAX: 518-270-3838

RESPONSIBILITIES INCLUDE: Administer and oversee the City municipal parks and recreation program and to support and promote recreation and parks activities for all residents of the City.

Coordinate with the Highway Department foreman who has the responsibility for the maintenance of the physical facilities and must see that all locations are kept clean, in good repair, and with grounds well kept.

[Bicycle Trails](#)[Parks and Playgrounds](#)[Swimming Pool](#)[Special Events](#)[Civic Center](#)**BICYCLE TRAILS**

The 4th Street parking area in Watervliet is the northern terminus of the Hudson River Bike Path that runs from Corning Preserve in Albany to Watervliet. This section of the regional bike path system connects with sections through City of Cohoes, along the Mohawk River in the Town of Colonie and westward to the Town of Niskayuna.

PARKS AND PLAYGROUNDS

Seventh Street Park: This park is located in the area of Seventh Street and Second Avenue in the Port Schuyler section of the City. Park amenities include a basketball court, swings and playground apparatus, and a Spray Pool that is operated in the summer months week days, Monday through Friday.

Pershing Green: This park area, named after famed General "Black Jack" Pershing, is located in the area of Second Avenue and Fourth Street and has provided a park green space for several generations. Park amenities include a basketball court, swings and playground apparatus.

Reds Field: This playground and park area is located at Eighth Street and Third Ave in the Port Schuyler section of the City. The park amenities include

a baseball/softball field and a basketball court.

Clinton Park: located at Clinton Street and Avenue A, this playground provides basketball courts, swings, and a neighborhood Spray/Wading Pool for younger children that is operated during the summer months.

Brotherhood Park: This park are is the home of the Watervliet Little League. It is located at Twenty Fifth Street and Sixth Avenue and the playground amenities at the facility include basketball courts and a Spray Pool .

The Dome: also known as the Watervliet Veterans Memorial Recreational Facility, is an indoor facility that provides a year round location for recreational activities. The facility is located at Second Avenue and Thirteenth Street.

Some of the recreational activities at the Dome include:

- Capital District Girls High School Basketball League - summer months
- Capital District Boys Junior Varsity League - summer months
- Coach George Mardigan Basketball Camp for Boys and Girls - summer months
- Watervliet Youth Soccer League - fall, winter and spring

Mayor James Cavanaugh Hudson Shores Park: This park area is located along the Hudson River adjacent to I-787 and provides a river walk and fishing opportunities. Park hours are 9:00AM to 9:00PM.

SWIMMING POOLS

The City of Watervliet operates and maintains a municipal swimming pool that is open to residents of the City seven days a week (weather permitting) during the summer months. Resident ID cards are required. The phone number is 270-3823.

Pool Hours

9:00 AM to 11:00PM
11:00PM to 12:00PM
12:00PM to 6:00PM
6:00PM to 7:00PM

Learn to Swim Program

Senior Swimming

Open swimming

Adult swimming

SPECIAL EVENTS

The **Arsenal City Run** is a road race event that began in 1982 and has drawn runners from all area of the region. It is comprised of 5K and 10K race events, as well as a Fun Run for families and children. The 5K event is designated by the USATF Adirondack Association as the annual Championship race competition for both the Men's Open and Master's (over 40 yrs) levels. Information can be obtained by calling the Recreation Department at 518-270-3811.

The City of Watervliet and the Combined Veterans Association of Watervliet sponsor an Annual Memorial Day Parade held on the day of the holiday, Monday. The parade kicks off at 10:00 AM and proceeds from the Watervliet High School parking lot to 19th Street, east to 2nd Avenue, then south to 16th Street and ends at the Veteran Memorial Park, where a memorial service takes place honoring all veterans. Everyone is welcomed. Any person or any group wishing to participate in our annual parade may contact the Parks and

Recreation Department.

The Annual 4th of July Festival runs from 2:00 PM to 10 PM at the Hudson Shores Park, located off the 23rd Street Exit of I787. Enjoy various bands, the wares of a variety of vendors, food and games for all ages. The night ends with a fireworks display from the Hudson River. Shuttle bus service will run throughout the City to transport residents to and from the park, contact the Parks and Recreation Department for times and locations. Vendors are also encouraged to contact the Parks and Recreation Department.


The City of Watervliet sponsors an Annual Christmas Tree Lighting Ceremony at 6:00 PM the Friday following Thanksgiving at Veteran's Memorial Park, located at 16th Street and 2nd Avenue. There will be Christmas caroling, refreshments and a souvenir tree ornament given to each family. Santa will be on hand for the children's enjoyment. Any questions about this event or any other event please contact the Park and Recreation Department at 270-3811.

WATERVLIET CIVIC CENTER:

A private not for profit corporation founded in 1946 by the Watervliet Rotary Club and supported throughout the years by the Watervliet Recreation Department, New York State and Albany County, the United Way as well as the people of Watervliet. The Center provides recreation services and programs to the youth and young adults of the City as well as programs for adults and senior citizens. Programs include: basketball, softball, soccer, gymnastics, arts and crafts, ceramics, summer Learn to Swim Program, Homework Help Class, and many other activities. For more information contact: George Roe, Executive Director or Bill Sheehy, Program Director at 518-273-5922.

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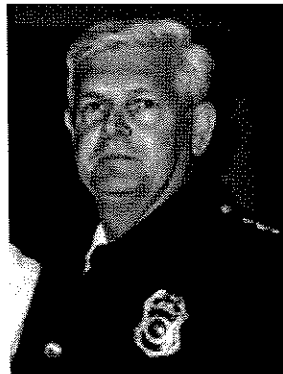
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WATERVLIET POLICE

Paul S. Murphy, Commissioner of Police

Chief of Police
Gerald Beston



ADDRESS: 15 Fifteenth Street
Watervliet, NY 12189
PHONE: (518) 270-3833

Mission Statement:

The mission for every member of this department is to consistently seek and find ways to affirmatively promote, preserve, and deliver a feeling of security, safety, and quality service to members of our community.

Questions or comments contact Watervliet Police at:

[Public Nuisance Law- pdf 50kb -](#)



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WATER AND SEWER DEPARTMENT

Paul S. Murphy, Superintendent of Water

James Bulmer, Water Systems Working Supervisor

ADDRESS:

Room 6, City Hall
Watervliet, New York 12189

PHONE:

Administration/Permits: 518-270-3827
Filtration Plant: 518-785-7082
Water Distribution: 518-270-3821
For Any Emergency: 518-270-3833 (Police Dispatcher)

**RESPONSIBLE
FOR:**

Providing potable water supply for residents and businesses of the City of Watervliet, maintenance of water and sewer mains. Responds to any water or sewer emergency. Property owners are responsible for the water and sewer laterals from their homes/businesses to the water/sewer mains.

More information on the [Water System](#)

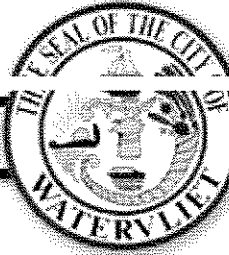
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WATER DEPT

James F. Bulmer, Water Systems Working Supervisor**ADDRESS:****Watervliet Filtration Facility**Route 155
Watervliet, New York 12189**PHONE:**

518-785-7082

System OverviewWater Impoundment/ReservoirWatervliet Filter PlantWater Distribution System**System Overview**

The City of Watervliet Water Supply System was constructed in 1914-1917 to provide an ample, safe, potable water supply to the residents of the City of Watervliet. The components of the water system include: the Dam/Reservoir, the Transmission Line, the Filtration Plant, and the City Distribution System. The Water System is operated in compliance with the the Laws and Regulations as set forth in Part 5 of the New York State Sanitary Code and the Amendments to the Federal Safe Drinking Water Act of 1986.

Water Impoundment/Reservoir

The Watervliet Reservoir is a man-made impoundment located in the Town of Guilderland. In 1916 a 380 foot reinforced concrete slab and buttress dam was constructed in a foundation of solid rock to form a reservoir on the Normanskill Creek at French's Mills. The seven hundred acre reservoir has a capacity of approximately 1.6 billion gallons and a safe yield of approximately 12 MGD. The Normanskill Creek, Bozenkill Creek and the Black Creek are the primary streams that feed the reservoir from a watershed with an area of approximately 110 square miles. There are plans to increase the capacity of the reservoir to 20-25MGD by raising the level of the reservoir. This will provide a safe and reliable pure water source for the entire area.

In 1981 the **Hydroelectric Plant** was constructed at the dam site. A new intake and penstock were constructed and a hydroelectric generating facility was built and, for environmental reasons, buried in the stream bed. The plant produces electricity that pumps water to the City of Watervliet and the excess is sold with revenues benefiting the taxpayer of Watervliet. The pumping station was built originally in 1917 at the site and was refurbished in 1981. This station pumps water from the French's Mills Guilderland plant, through a Transmission Main underground approximately 17 miles, to the Water Filtration Plant located one mile west of the City of Watervliet.

Watervliet Filter Plant

The City of Watervliet Filtration Plant was originally constructed in 1915 with modification and additions made over the years. The hydraulic capacity of the plant is approximately 6 MGD although the current 2005 demand is approximately 3.0 to 3.4 MGD. The plant is a rapid sand filtration type with the conventional surface water filter process of coagulation/flocculation sedimentation and filtration. This is a 1.8 MG clearwell for storage of filtered water. Water flows by gravity from the Filtration Plant to the City Distribution System.

Water Distribution System

The Distribution system provides potable water to all 10,200 residents and commercial locations in the City as well as supplying the Watervliet Arsenal with approximately 300,000 GPD. The system was originally laid out in the early 1900's and has had substantial replacement and maintenance throughout the years. The system is flushed twice a year and appropriate testing and sampling programs monitor all areas of service. The City of Watervliet Charter, Laws and Rule provide that property owners are responsible for maintenance and replacement of water and sewer laterals attached to City Mains from the property to the connection at the main.

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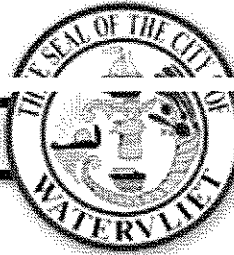


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ARSENAL

U. S. Army's Watervliet Arsenal: America's oldest and NEWEST manufacturing arsenal.

A Munitions and Armaments Command Installation of Operations Support Command (Provisional) under The U. S. Army Materiel Command
<http://www.wva.army.mil>

HOUSING AUTHORITY

Watervliet Housing Authority
2400 2nd Avenue
Watervliet, New York 12189
(518) 273-4717 (FAX) 273-4730

Providing Watervliet Families with Quality, Affordable Housing Since 1959
<http://www.watervliethousing.org>

LIBRARY

1501 Broadway
Watervliet, NY 12189-2895
Phone: (518) 274-4471 Fax: (518) 271-0667
<http://www.uhls.org/watervliet>

SENIOR CENTER

LINKS

TRANSPORTATION

- Bus Service - <http://www.cdta.org/>
- Albany International Airport - <http://www.AlbanyAirport.com>

GOVERNMENT

- State of N.Y. - <http://www.state.ny.us/>
- Albany County - <http://www.albanycounty.com/>

NEWSPAPERS

- Times Union - <http://www.timesunion.com/>
- Capital District Business Review - <http://www.albany.bcentral.com/>
- Metroland - <http://www.metroland.net/>
- The Record - <http://www.zwire.com/site/news.cfm?brd=1170>

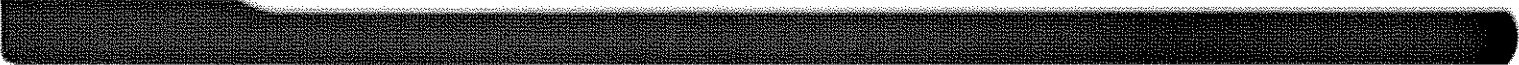
TELEVISION STATIONS

- WRGB - <http://www.wrgb.com/>
- WTEN - <http://www.wten.com/>
- WNYT - <http://www.wnyt.com/>
- WMHT - <http://www.wmht.org/>
- WXXA - <http://www.fox23tv.com/>

LOCAL CITIES AND TOWNS

- Albany - <http://www.albanyny.org/>
- Cohoes - <http://www.cohoes.com/>
- Colonie - <http://www.colonie.org/>

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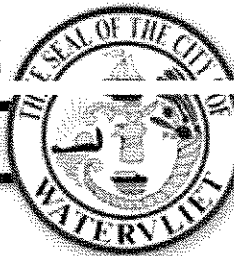


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► 1643

► 1788

► 1813

► 1825

► 1836

► 1865

► 1896

► 1913

► 1914

► 1982

► 1988

► 1991

► 1996

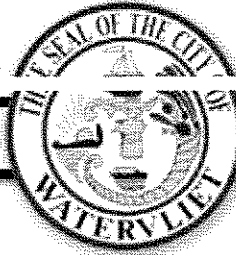
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Virtual Photo Exhibit

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Photo Album

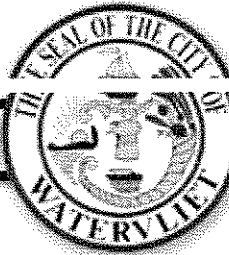
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Welcome to the City of Watervliet Photo Archive Exhibit. This virtual exhibit displays a tiny fraction of the photographs, maps and other archival documents that are held by the City and provides on-line access to these records. This site will be updated from time to time with new exhibits, so check this site periodically.

Paul S. Murphy
General Manager

Erie Canal

Floods

*Misc Views of
Watervliet*

Historical Maps

The Arsenal

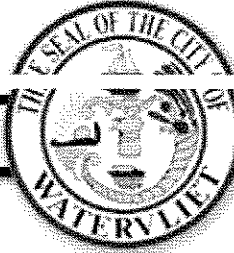
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The Erie Canal

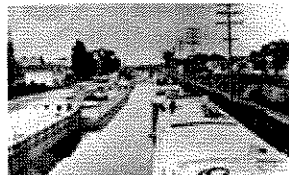
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Many of these photographs have been provided by Cecelia Gorman and we thank her for sharing these "photographic treasures" with us.

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Paul Murphy



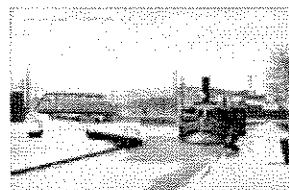
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[\(click for a larger view\)](#)



[\(click for a larger view\)](#)



[\(click for a larger view\)](#)

The Erie Canal at the sidecut at 23rd Street is shown here with the boat the "Viking" en route to the Chicago Worlds Fair in 1895.

Erie Canal at 13th Street and 2nd Avenue in Watervliet - Look to the north.

A photo of the Erie Canal adjacent to the area's trolley system. Note the early vintage automobile on the left side of the photo.

A postcard of the Erie Canal with a scene in the area of the 23rd Street Sidecut.



[\(click for a larger view\)](#)

The weighlock building on the Erie Canal located in the area of 26th Street was in operation from 1850 to approximately 1910.

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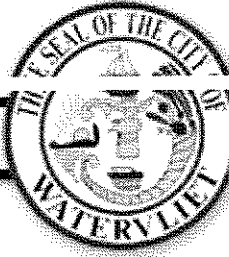
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Miscellaneous Views of Watervliet

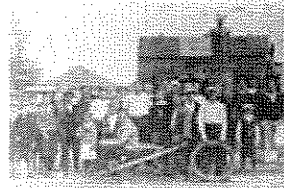
These are miscellaneous photos of areas and events in the City of Watervliet that are part of the City Digital Photographic Archive collection with the City of Watervliet.

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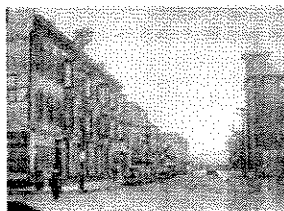
[\(click for a larger view\)](#)

A photo of a Five Dollar Bill from the Watervliet Bank.



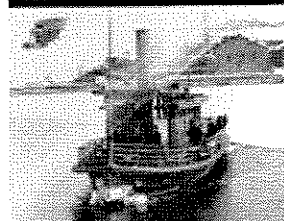
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View of Foley's Service Station.



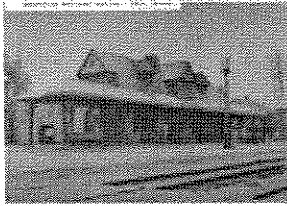
[\(click for a larger view\)](#)

A view of Broadway in Watervliet from 15th Street and Broadway looking north on Broadway. The area on the left side is now the Library and the Senior Center - the area on the right is I-787.



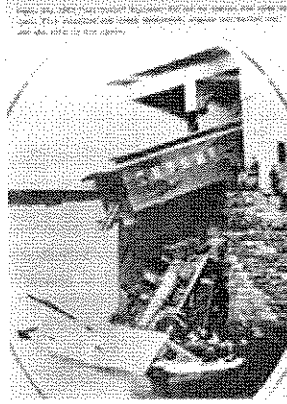
A photo of the West Troy Ferry in the late 1800's services passengers from Troy to Watervliet.

[\(click for a larger view\)](#)



Watervliet Railroad Station located between 19th St & 23rd St on the east side of the existing tracks. (area currently a parking lot)

[\(click for a larger view\)](#)



This is a photo of a train accident in Watervliet in 1865. The bridge span was open and the engineer failed to stop. (the bridge span was from 19th St in Watervliet to Ferry Street in Troy)

[\(click for a larger view\)](#)

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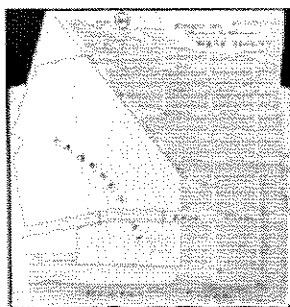
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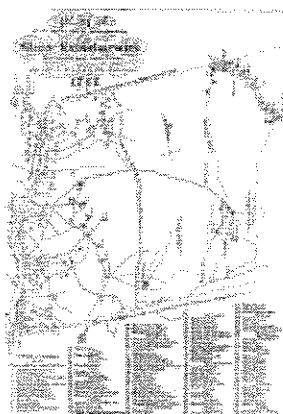
These are some of the maps on file in the City of Watervliet digital archives and are presented as digital copies of the originals. The original may or may not be on file with the City of Watervliet. Many of these maps were provided through the efforts of City Historian Craig Carlson.

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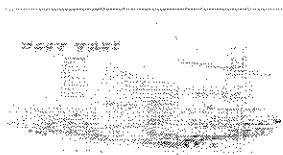
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A map of the estate of James Gibbons in the Town of Watervliet - Village of West Troy in 1847 - Gibbons sold land to the Federal Government in 1813. Also shown is the Watervliet Arsenal.



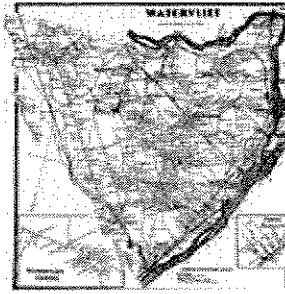
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A map of the Manor of Rensselaer Wyck depicting the Bleeker survey of 1767. Area includes parts of Albany, Saratoga and Rensselaer Counties.



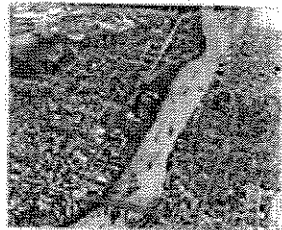
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A map of the Village of West Troy located within the Town of Watervliet circa 1840. Note that a business directory and some structures and buildings are shown on the map. Information regarding a City Directory to coincide with the 1840 map can be obtained from the Office of City Manager Paul S. Murphy.



[\(click for a larger view\)](#)

A map of the Town of Watervliet - date estimated to be 1870's.



[\(click for a larger view\)](#)

A Beck & Pauli Lithograph Map from 1881 of West Troy on one side of the Hudson and the City of Troy on the other side of the River. The Erie Canal is very evident on the right side of the Lithograph and the Congress Street (19th Street) bridge is shown at the bottom of the map.

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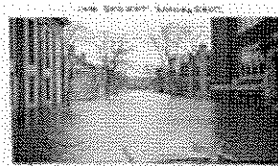
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Floods

These are some of the unique photos of flood events on file in the City of Watervliet digital archives and are presented as digital copies of the originals. The original may or may not be on file with the City of Watervliet.

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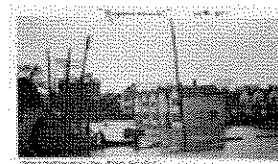
[\(click for a larger view\)](#)

A photo of the flooding on March 28, 1913. The photo is a view of 14th Street. The building on the right is the Watervliet Civic Center (at that time it was Watervliet High School). The view is looking east on 14th Street from approximately 2nd Ave.



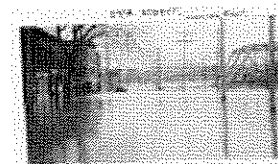
[\(click for a larger view\)](#)

View of flooding on 16th Street and Broadway circa 1913. The Collins House (Hotel) is the large white structure in the center of the photo on Broadway and 16th Street (1787 is at that location now).



[\(click for a larger view\)](#)

A view of the Andrewsville Court area in 1913 during the flood. This view is from the corner of 14th Street and 2nd Ave (approximately the Fleet Bank parking lot) looking west. School 3 building is located in the background.



[\(click for a larger view\)](#)

Flooding at 23rd Street and Broadway circa 1913.

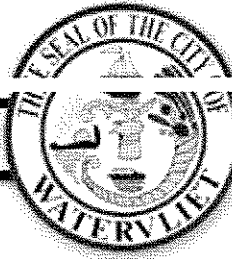
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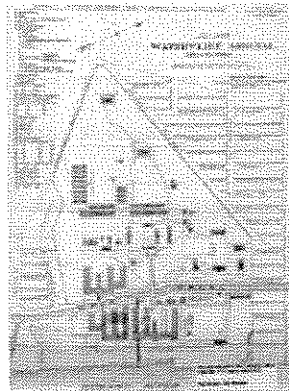
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The Arsenal

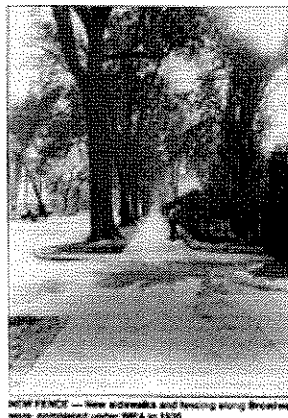
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Office of the General Manager
Paul Murphy



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A map of the Watervliet Arsenal dated 1878
obtained from the published Townsend
letters of Gen. P.V. Hagner.



NEW PRINCE — New sidewalks and fencing along Broadway
were completed under RFA in 1936

[\(click for a larger view\)](#)

View in 1936 from the Main Gate of the
Watervliet Arsenal, south along Broadway.



[\(click for a larger view\)](#)

A photo of the railroad service the Watervliet Arsenal and the rail system in the Arsenal.



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A postcard of the Broadway Main Gate of the Watervliet Arsenal circa 1900.

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Attachment 2

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic area: Watervliet city, New York

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population.....	10,207	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population.....	10,207	100.0
Male.....	4,781	46.8	Hispanic or Latino (of any race).....	369	3.6
Female.....	5,426	53.2	Mexican.....	47	0.5
Under 5 years.....	670	6.6	Puerto Rican.....	218	2.1
5 to 9 years.....	699	6.8	Cuban.....	3	-
10 to 14 years.....	642	6.3	Other Hispanic or Latino.....	101	1.0
15 to 19 years.....	666	6.5	Not Hispanic or Latino.....	9,838	96.4
20 to 24 years.....	717	7.0	White alone.....	9,197	90.1
25 to 34 years.....	1,688	16.5	RELATIONSHIP		
35 to 44 years.....	1,475	14.5	Total population.....	10,207	100.0
45 to 54 years.....	1,203	11.8	In households.....	10,193	99.9
55 to 59 years.....	422	4.1	Householder.....	4,665	45.7
60 to 64 years.....	389	3.8	Spouse.....	1,535	15.0
65 to 74 years.....	798	7.8	Child.....	2,941	28.8
75 to 84 years.....	641	6.3	Own child under 18 years.....	2,234	21.9
85 years and over.....	197	1.9	Other relatives.....	382	3.7
Median age (years).....	35.1	(X)	Under 18 years.....	126	1.2
18 years and over.....	7,790	76.3	Nonrelatives.....	670	6.6
Male.....	3,524	34.5	Unmarried partner.....	391	3.8
Female.....	4,266	41.8	In group quarters.....	14	0.1
21 years and over.....	7,402	72.5	Institutionalized population.....	-	-
62 years and over.....	1,848	18.1	Noninstitutionalized population.....	14	0.1
65 years and over.....	1,636	16.0	HOUSEHOLD BY TYPE		
Male.....	583	5.7	Total households.....	4,665	100.0
Female.....	1,053	10.3	Family households (families).....	2,549	54.6
RACE			With own children under 18 years.....	1,253	26.9
One race.....	10,071	98.7	Married-couple family.....	1,535	32.9
White.....	9,390	92.0	With own children under 18 years.....	628	13.5
Black or African American.....	395	3.9	Female householder, no husband present.....	771	16.5
American Indian and Alaska Native.....	18	0.2	With own children under 18 years.....	508	10.9
Asian.....	137	1.3	Nonfamily households.....	2,116	45.4
Asian Indian.....	42	0.4	Householder living alone.....	1,785	38.3
Chinese.....	19	0.2	Householder 65 years and over.....	764	16.4
Filipino.....	24	0.2	Households with individuals under 18 years.....	1,339	28.7
Japanese.....	5	-	Households with individuals 65 years and over.....	1,316	28.2
Korean.....	21	0.2	Average household size.....	2.18	(X)
Vietnamese.....	8	0.1	Average family size.....	2.91	(X)
Other Asian ¹	18	0.2	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	8	0.1	Total housing units.....	5,116	100.0
Native Hawaiian.....	-	-	Occupied housing units.....	4,665	91.2
Guamanian or Chamorro.....	-	-	Vacant housing units.....	451	8.8
Samoan.....	1	-	For seasonal, recreational, or		
Other Pacific Islander ²	7	0.1	occasional use.....	4	0.1
Some other race.....	123	1.2	Homeowner vacancy rate (percent).....	2.0	(X)
Two or more races.....	136	1.3	Rental vacancy rate (percent).....	8.4	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races:³			Occupied housing units.....	4,665	100.0
White.....	9,517	93.2	Owner-occupied housing units.....	1,926	41.3
Black or African American.....	448	4.4	Renter-occupied housing units.....	2,739	58.7
American Indian and Alaska Native.....	56	0.5	Average household size of owner-occupied units.....	2.37	(X)
Asian.....	162	1.6	Average household size of renter-occupied units.....	2.06	(X)
Native Hawaiian and Other Pacific Islander.....	12	0.1			
Some other race.....	159	1.6			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Watervliet city, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school.....	2,419	100.0	Total population.....	10,207	100.0
Nursery school, preschool.....	182	7.5	Native.....	9,782	95.8
Kindergarten.....	100	4.1	Born in United States.....	9,653	94.6
Elementary school (grades 1-8).....	1,096	45.3	State of residence.....	8,800	86.2
High school (grades 9-12).....	602	24.9	Different state.....	853	8.4
College or graduate school.....	439	18.1	Born outside United States.....	129	1.3
			Foreign born.....	425	4.2
			Entered 1990 to March 2000.....	120	1.2
			Naturalized citizen.....	272	2.7
			Not a citizen.....	153	1.5
EDUCATIONAL ATTAINMENT			REGION OF BIRTH OF FOREIGN BORN		
Population 25 years and over.....	6,834	100.0	Total (excluding born at sea).....	425	100.0
Less than 9th grade.....	328	4.8	Europe.....	229	53.9
9th to 12th grade, no diploma.....	949	13.9	Asia.....	129	30.4
High school graduate (includes equivalency).....	2,565	37.5	Africa.....	20	4.7
Some college, no degree.....	1,390	20.3	Oceania.....	-	-
Associate degree.....	574	8.4	Latin America.....	41	9.6
Bachelor's degree.....	661	9.7	Northern America.....	6	1.4
Graduate or professional degree.....	367	5.4			
Percent high school graduate or higher.....	81.3	(X)	LANGUAGE SPOKEN AT HOME		
Percent bachelor's degree or higher.....	15.0	(X)	Population 5 years and over.....	9,544	100.0
MARITAL STATUS			English only.....	8,690	91.1
Population 15 years and over.....	8,178	100.0	Language other than English.....	854	8.9
Never married.....	2,968	36.3	Speak English less than "very well".....	281	2.9
Now married, except separated.....	3,140	38.4	Spanish.....	187	2.0
Separated.....	266	3.3	Speak English less than "very well".....	79	0.8
Widowed.....	825	10.1	Other Indo-European languages.....	495	5.2
Female.....	666	8.1	Speak English less than "very well".....	144	1.5
Divorced.....	979	12.0	Asian and Pacific Island languages.....	100	1.0
Female.....	582	7.1	Speak English less than "very well".....	49	0.5
GRANDPARENTS AS CAREGIVERS			ANCESTRY (single or multiple)		
Grandparent living in household with one or more own grandchildren under 18 years.....	129	100.0	Total population.....	10,207	100.0
Grandparent responsible for grandchildren.....	65	50.4	Total ancestries reported.....	12,750	124.9
VETERAN STATUS			Arab.....	36	0.4
Civilian population 18 years and over ..	7,775	100.0	Czech ¹	46	0.5
Civilian veterans.....	1,225	15.8	Danish.....	38	0.4
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Dutch.....	267	2.6
Population 5 to 20 years.....	2,054	100.0	English.....	669	6.6
With a disability.....	225	11.0	French (except Basque) ¹	1,277	12.5
Population 21 to 64 years.....	5,844	100.0	French Canadian ¹	415	4.1
With a disability.....	1,269	21.7	German.....	1,477	14.5
Percent employed.....	58.0	(X)	Greek.....	80	0.8
No disability.....	4,575	78.3	Hungarian.....	27	0.3
Percent employed.....	83.6	(X)	Irish ¹	3,111	30.5
Population 65 years and over.....	1,626	100.0	Italian.....	1,950	19.1
With a disability.....	563	34.6	Lithuanian.....	92	0.9
RESIDENCE IN 1995			Norwegian.....	78	0.8
Population 5 years and over.....	9,544	100.0	Polish.....	865	8.5
Same house in 1995.....	5,330	55.8	Portuguese.....	-	-
Different house in the U.S. in 1995.....	4,104	43.0	Russian.....	87	0.9
Same county.....	2,532	26.5	Scotch-Irish.....	88	0.9
Different county.....	1,572	16.5	Scottish.....	158	1.5
Same state.....	1,277	13.4	Slovak.....	32	0.3
Different state.....	295	3.1	Subsaharan African.....	20	0.2
Elsewhere in 1995.....	110	1.2	Swedish.....	27	0.3
			Swiss.....	-	-
			Ukrainian.....	284	2.8
			United States or American.....	298	2.9
			Welsh.....	84	0.8
			West Indian (excluding Hispanic groups).....	26	0.3
			Other ancestries.....	1,218	11.9

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Watervliet city, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	8,088	100.0	Households	4,684	100.0
In labor force	5,328	65.9	Less than \$10,000	527	11.3
Civilian labor force	5,308	65.6	\$10,000 to \$14,999	455	9.7
Employed	5,075	62.7	\$15,000 to \$24,999	760	16.2
Unemployed	233	2.9	\$25,000 to \$34,999	748	16.0
Percent of civilian labor force	4.4	(X)	\$35,000 to \$49,999	899	19.2
Armed Forces	20	0.2	\$50,000 to \$74,999	871	18.6
Not in labor force	2,760	34.1	\$75,000 to \$99,999	220	4.7
Females 16 years and over	4,430	100.0	\$100,000 to \$149,999	146	3.1
In labor force	2,676	60.4	\$150,000 to \$199,999	46	1.0
Civilian labor force	2,676	60.4	\$200,000 or more	12	0.3
Employed	2,558	57.7	Median household income (dollars)	32,910	(X)
Own children under 6 years	827	100.0	With earnings	3,516	75.1
All parents in family in labor force	681	82.3	Mean earnings (dollars) ¹	39,445	(X)
COMMUTING TO WORK			With Social Security income	1,425	30.4
Workers 16 years and over	4,961	100.0	Mean Social Security income (dollars) ¹	10,060	(X)
Car, truck, or van -- drove alone	3,588	72.3	With Supplemental Security Income	268	5.7
Car, truck, or van -- carpooled	537	10.8	Mean Supplemental Security Income		
Public transportation (including taxicab)	420	8.5	(dollars) ¹	5,496	(X)
Walked	215	4.3	With public assistance income	180	3.8
Other means	46	0.9	Mean public assistance income (dollars) ¹	3,958	(X)
Worked at home	155	3.1	With retirement income	1,116	23.8
Mean travel time to work (minutes) ¹	18.7	(X)	Mean retirement income (dollars) ¹	13,786	(X)
Employed civilian population			Families	2,580	100.0
16 years and over	5,075	100.0	Less than \$10,000	177	6.9
OCCUPATION			\$10,000 to \$14,999	227	8.8
Management, professional, and related			\$15,000 to \$24,999	342	13.3
occupations	1,338	26.4	\$25,000 to \$34,999	361	14.0
Service occupations	908	17.9	\$35,000 to \$49,999	538	20.9
Sales and office occupations	1,768	34.8	\$50,000 to \$74,999	627	24.3
Farming, fishing, and forestry occupations	-	-	\$75,000 to \$99,999	149	5.8
Construction, extraction, and maintenance			\$100,000 to \$149,999	121	4.7
occupations	402	7.9	\$150,000 to \$199,999	33	1.3
Production, transportation, and material moving			\$200,000 or more	5	0.2
occupations	659	13.0	Median family income (dollars)	38,735	(X)
INDUSTRY			Per capita income (dollars) ¹	18,294	(X)
Agriculture, forestry, fishing and hunting,			Median earnings (dollars):		
and mining	3	0.1	Male full-time, year-round workers	31,656	(X)
Construction	230	4.5	Female full-time, year-round workers	26,083	(X)
Manufacturing	437	8.6			
Wholesale trade	194	3.8		Number	Percent
Retail trade	765	15.1		below	below
Transportation and warehousing, and utilities	195	3.8	Subject	poverty	poverty
Information	132	2.6		level	level
Finance, insurance, real estate, and rental and			POVERTY STATUS IN 1999		
leasing	522	10.3	Families	317	12.3
Professional, scientific, management, adminis-			With related children under 18 years	267	19.0
trative, and waste management services	329	6.5	With related children under 5 years	168	26.0
Educational, health and social services	971	19.1			
Arts, entertainment, recreation, accommodation			Families with female householder, no		
and food services	367	7.2	husband present	221	26.4
Other services (except public administration)	269	5.3	With related children under 18 years	198	35.6
Public administration	661	13.0	With related children under 5 years	112	49.1
CLASS OF WORKER					
Private wage and salary workers	3,632	71.6	Individuals	1,348	13.3
Government workers	1,215	23.9	18 years and over	828	10.6
Self-employed workers in own not incorporated			65 years and over	92	5.7
business	228	4.5	Related children under 18 years	514	21.7
Unpaid family workers	-	-	Related children 5 to 17 years	326	19.2
			Unrelated individuals 15 years and over	413	15.0

-Represents zero or rounds to zero. (X) Not applicable.

¹If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Watervliet city, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

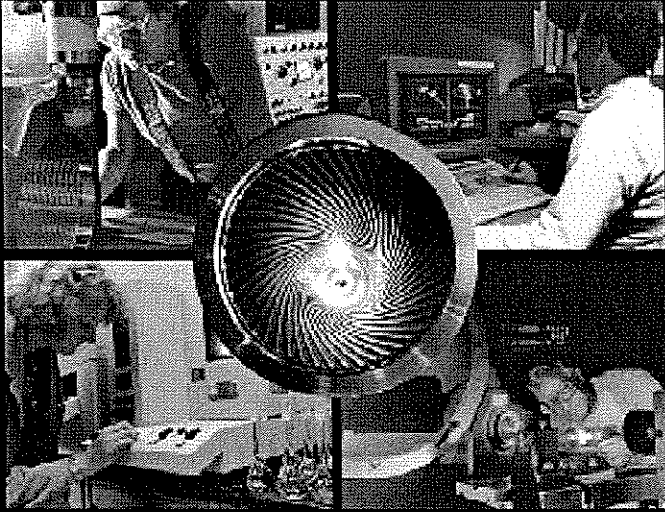
Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	5,116	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	4,665	100.0
1-unit, detached.....	1,125	22.0	1.00 or less.....	4,594	98.5
1-unit, attached.....	183	3.6	1.01 to 1.50.....	29	0.6
2 units.....	2,048	40.0	1.51 or more.....	42	0.9
3 or 4 units.....	894	17.5			
5 to 9 units.....	277	5.4	Specified owner-occupied units.....	1,000	100.0
10 to 19 units.....	262	5.1	VALUE		
20 or more units.....	320	6.3	Less than \$50,000.....	83	8.3
Mobile home.....	7	0.1	\$50,000 to \$99,999.....	758	75.8
Boat, RV, van, etc.....	-	-	\$100,000 to \$149,999.....	140	14.0
			\$150,000 to \$199,999.....	14	1.4
YEAR STRUCTURE BUILT			\$200,000 to \$299,999.....	5	0.5
1999 to March 2000.....	9	0.2	\$300,000 to \$499,999.....	-	-
1995 to 1998.....	17	0.3	\$500,000 to \$999,999.....	-	-
1990 to 1994.....	20	0.4	\$1,000,000 or more.....	-	-
1980 to 1989.....	188	3.7	Median (dollars).....	84,300	(X)
1970 to 1979.....	496	9.7			
1960 to 1969.....	403	7.9	MORTGAGE STATUS AND SELECTED		
1940 to 1959.....	865	16.9	MONTHLY OWNER COSTS		
1939 or earlier.....	3,118	60.9	With a mortgage.....	516	51.6
			Less than \$300.....	-	-
ROOMS			\$300 to \$499.....	11	1.1
1 room.....	58	1.1	\$500 to \$699.....	60	6.0
2 rooms.....	167	3.3	\$700 to \$999.....	204	20.4
3 rooms.....	648	12.7	\$1,000 to \$1,499.....	223	22.3
4 rooms.....	723	14.1	\$1,500 to \$1,999.....	9	0.9
5 rooms.....	1,091	21.3	\$2,000 or more.....	9	0.9
6 rooms.....	1,259	24.6	Median (dollars).....	978	(X)
7 rooms.....	593	11.6	Not mortgaged.....	484	48.4
8 rooms.....	235	4.6	Median (dollars).....	353	(X)
9 or more rooms.....	342	6.7			
Median (rooms).....	5.4	(X)	SELECTED MONTHLY OWNER COSTS		
Occupied housing units	4,665	100.0	AS A PERCENTAGE OF HOUSEHOLD		
YEAR HOUSEHOLDER MOVED INTO UNIT			INCOME IN 1999		
1999 to March 2000.....	999	21.4	Less than 15.0 percent.....	348	34.8
1995 to 1998.....	1,239	26.6	15.0 to 19.9 percent.....	235	23.5
1990 to 1994.....	590	12.6	20.0 to 24.9 percent.....	151	15.1
1980 to 1989.....	626	13.4	25.0 to 29.9 percent.....	65	6.5
1970 to 1979.....	308	6.6	30.0 to 34.9 percent.....	62	6.2
1969 or earlier.....	903	19.4	35.0 percent or more.....	120	12.0
			Not computed.....	19	1.9
VEHICLES AVAILABLE			Specified renter-occupied units	2,740	100.0
None.....	927	19.9	GROSS RENT		
1.....	2,150	46.1	Less than \$200.....	238	8.7
2.....	1,258	27.0	\$200 to \$299.....	161	5.9
3 or more.....	330	7.1	\$300 to \$499.....	597	21.8
			\$500 to \$749.....	1,337	48.8
HOUSE HEATING FUEL			\$750 to \$999.....	233	8.5
Utility gas.....	3,712	79.6	\$1,000 to \$1,499.....	62	2.3
Bottled, tank, or LP gas.....	65	1.4	\$1,500 or more.....	-	-
Electricity.....	678	14.5	No cash rent.....	112	4.1
Fuel oil, kerosene, etc.....	203	4.4	Median (dollars).....	558	(X)
Coal or coke.....	-	-			
Wood.....	-	-	GROSS RENT AS A PERCENTAGE OF		
Solar energy.....	-	-	HOUSEHOLD INCOME IN 1999		
Other fuel.....	7	0.2	Less than 15.0 percent.....	582	21.2
No fuel used.....	-	-	15.0 to 19.9 percent.....	465	17.0
			20.0 to 24.9 percent.....	432	15.8
SELECTED CHARACTERISTICS			25.0 to 29.9 percent.....	256	9.3
Lacking complete plumbing facilities.....	12	0.3	30.0 to 34.9 percent.....	180	6.6
Lacking complete kitchen facilities.....	-	-	35.0 percent or more.....	701	25.6
No telephone service.....	79	1.7	Not computed.....	124	4.5

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Attachment 3

2024-01-01



U. S. Army's Watervliet Arsenal

Job Opportunities

Summer Hire Job Opportunities

**Welcome to America's oldest
and *NEWEST* manufacturing arsenal**

ISO9002 and CP2 Certified



ARSENAL BUSINESS &
TECHNOLOGY PARTNERSHIP

**A Ground Systems Industrial Enterprise (GSIE) Installation
of the U. S. Army's Tank-automotive and Armaments Command (TACOM)
under**

The U. S. Army Materiel Command



[About Watervliet Arsenal,](#) | [Quality,](#) | [Manufacturing Capabilities,](#) | [Selling to Watervliet Arsenal,](#)

|

[Environmental,](#) | [Army Gun Card Support,](#) | [Museum,](#) | [Points of Contact,](#) | [Related Sites,](#) |

[Housing,](#) | [Directions to Watervliet Arsenal,](#) |

[About Watervliet Arsenal](#)

An Overview of a Unique National Resource

[World Class Quality Systems](#)

ISO9002 and CP2 Certifications for World Class Quality

[Manufacturing Capabilities](#)

Our Machining, Plating and Support Services Capabilities

[Selling to Watervliet Arsenal](#)

Business Opportunities and Related Acquisition Information

Army Gun Card Support

Contacts and references for 2408-4 gun cards

Environmental

Environmental Projects and Initiatives

Visit Our Museum

Learn the history of "The Big Guns"

WVA Points of Contact

How to Get in Touch with Key Arsenal Personnel

Related Sites

Visit Other Interesting Pages Along Our Chain of Command

Housing

Military housing available at Watervliet Arsenal

Directions

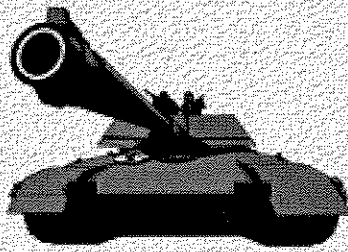
How to get to Watervliet Arsenal

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Revised: 15 FEB 2006

About Watervliet Arsenal

Welcome to Watervliet Arsenal, the nation's oldest and, in many ways, newest, manufacturing arsenal. Founded in 1813 to support the "Second War for Independence," the War of 1812, the arsenal has been a valuable resource ever since. In 1887, the arsenal became America's "Cannon Factory." It is America's sole manufacturing facility for large caliber cannon in volume. (Watervliet is pronounced water-vuh-leet)



Located along the Hudson River, just a few miles north of the state capital at Albany, Watervliet Arsenal continues to produce today's high tech, high powered weaponry. Cannon -- the finest cannon manufactured in the world today -- remains the principal product of Watervliet Arsenal. The guns manufactured at Watervliet Arsenal provide the firepower for the Army's main battlefield tank, the M1A1 Abrams.

From recoilless rifles and mortars to howitzers and tank guns, the arsenal is recognized as the premier cannon maker. While today's cannon appear to be much like the "big guns" of yesterday, they are far more complex and require highly sophisticated technology to manufacture.

The co-location of Watervliet Arsenal and Benet Labs allows for complete lifecycle management from idea through research and engineering, into prototyping and testing and, finally, into full-scale production. All at one site. This offers unique possibilities for timely creativity and production.

A 10-year \$350-million renovation program completed in 1992 has made Watervliet Arsenal one of the most sophisticated, automated heavy manufacturing and machining centers to be found anywhere -- private or public sectors.

This up-to-the-minute technology is not limited to cannon manufacture. Intricate, prismatic machining jobs are handled with ease. One of the most extensive metals processing facilities in the entire northeast is located at Watervliet Arsenal. Now, with federal legislation allowing the arsenal to

participate in commercial contracts, this unique national resource can be shared with the non-government community.

[HOME](#)

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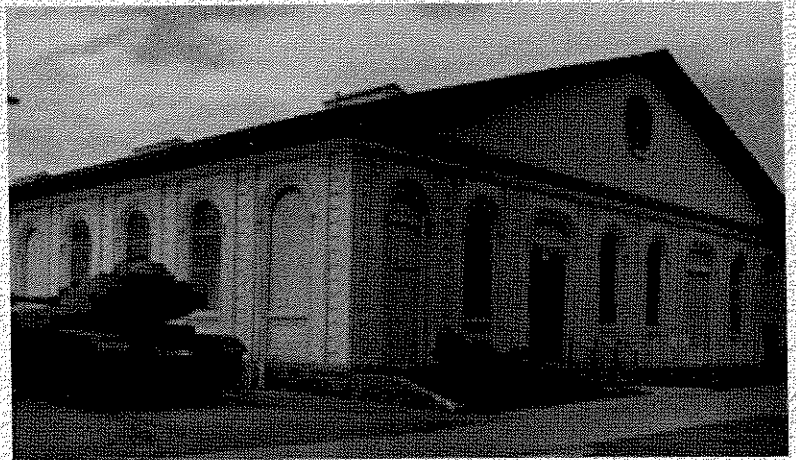
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Revised: 20 June 2006

Museum

Are you a military history buff?

***Interested in the "Big Guns" --
old artillery pieces such as
cannon, guns and howitzers?***



If so, the Watervliet Arsenal Museum is a place for you.

The museum tells the story of Watervliet Arsenal as well as the history of the Big Guns. In addition to the many one-of-a-kind guns from the past 400 years, there are many new artillery weapons on display. Everything from 60mm lightweight company mortars to the massive 16-inch guns of World War II battleship fame can be found at this small but significant jewel of a museum.

But before we go on a brief cybertour of the museum, let's look at the reasons the museum exists and the interesting building that houses the museum.

The Watervliet Arsenal Museum tells the story of America's development of cannon as well as the history of America's oldest, continuously active arsenal. The Watervliet Arsenal Museum had its modest beginning in 1968, when a few arsenal managers formed the Arsenal Historical Committee. This small but dedicated group of arsenal history buffs had been putting aside precious artifacts over the years. Due to the hard work of these volunteers, the first display area was opened in 1975. The museum as we know it today was actually established in 1980, when the first curator, Mr. William Bradford, was hired. Mr. Bradford and his staff turned a mass storage area into a professional, properly catalogued museum. After several more years of hard work, the museum qualified under the stringent standards of the Chief of Military History as a Certified Army Museum.

Mr. Bradford retired in 1995 and was succeeded by Ms. Rosemarie Hutchinson. Sadly, after only five years as curator and nearly a dozen years on the museum staff, Ms. Hutchinson passed away in the spring of 2000. She was instrumental in developing the museum's archives and primary source holdings into a first class research facility.

Mr. John Swantek now serves as Museum Curator. Mr. Swantek, who has been Watervliet Arsenal Public Affairs Officer and Historical Officer for 19 years, has been the administrator of the museum for 15 years. In 2002, he completed a master's degree in museum studies at Norwich University. He also holds a bachelor's degree in finance and an MBA from Syracuse University.

The museum is housed in the Iron Building, or as it is mundanely referred to in arsenal records, Bldg. 38. The building is listed on the National Register of Historical Landmarks. It is made entirely of pre-fabricated cast iron plates, cast and wrought iron trusses, and sheet steel roofing. The building was chosen to be the museum site in 1971. It was erected in 1859 under the orders of Major Mordecai, a past arsenal commander. The original purpose of the building was to store ordnance materiel, tooling and equipment. It continued serving that purpose through World War II. It was later converted into a facility for "layaway" storage. The museum, archives, offices and storage occupy the entire 30,000 square feet of the building. As mentioned, the artifacts on display range from special leather goods manufactured at the arsenal to the world-class quality cannon for which Watervliet Arsenal is known. The items tell the fascinating story of the role the arsenal has played in America's defense since 1813. Of course, some of the priceless cannon exhibited are from much earlier times, the 16th century -- and earlier.

There is also a library and research facility. Thousands of historical publications, photographs, and other bits and pieces of military history are on file. People who are interested in learning more about the arsenal should call Mr. Swantek at (518) 266-5805.

But enough background -- let's go on a cyber tour of the Watervliet Arsenal Museum.

As you enter the doors of the historical Iron Building, you begin with a closer look at the design and construction of the building itself. There is also a diorama of the arsenal. You can see where you entered the arsenal and where you are in relationship to the manufacturing or "mission essential" areas and the public sectors of the arsenal.

Your self-guided tour begins to the right. There are some beautiful examples of early 16th and 17th century cannon; highly decorative guns which were the pride of the first cannoneers. Next is the truly priceless Burgoyne fieldpiece surrendered at the decisive Battle of Saratoga. There are French artillery weapons, Coehorn mortars, naval guns, etc. You get a glimpse of the cannon-making art in the 1700s. Many other types of ordnance

line the walls here, including a Spanish one-pounder Lantanka gun, a Valliere gun, which is a French cannon; a British medium 12-pounder cannon (1760), a French Gribeauval eight-pounder cannon (1764), a Verbruggan bronze field gun from the 1770s, a 24-pound howitzer (1776), a Gribeauval 24-pound howitzer and 12-pound cannon, and an early U.S. 12-pounder. Before you turn left through the doors into the Civil War period, check out the display on the original Erie Canal which once ran directly through the arsenal. Sections of the original east and west walls of the Erie Canal are evident on the arsenal today.

The Civil War is the topic of the next exhibit hall. As we turn left and continue through the museum, we are surrounded by an impressive display of weaponry and ammunition used during the tragic War Between the States. The first glass case we come upon holds a number of different types of ammunition used during the war, such as strapping shot, shells, powder bags, musket balls, along with the items used to manufacture them. The larger artifacts are displayed against historically accurate backgrounds as they may have been used by the blue and grey. The first item that we come to is the Navy 3.67-inch parrott rifle, which was used on the U.S.S. Honeysuckle in 1865. There is also a 10-inch seacoast mortar, which weighs 5,000 pounds and once propelled 87.5-pound cannonballs 4,250 yards. The cast iron Napoleon 12-pounder howitzer is displayed in the middle of the room along with the Williams automatic cannon, which dates back to 1862. This cannon was called the secret weapon of the Confederacy and saw action during the Battle of the Seven Pines. It had a range of 2,000 yards, and was hand-crafted. Although it was an automatic weapon, it was still not considered to be reliable because of problematic pressure from extensive firing and heat. The largest mortar used during the Civil War was the cast iron seige mortar. The huge artillery piece weighs 17,200 pounds and fired 289-pound cannonballs up to 4,000 yards. The last gun we see in the Civil War section is the U. S. Smith gun. This was an experimental breech loader manufactured at West Point Foundry.

As we round the corner, approaching the Post-Civil War section, we are introduced to interesting items, other than artillery, used and manufactured at the arsenal. Some of the items include the McClellan saddle (1859), stirrups, and hames, which were set in draft harness collars. Among the manufactured items are knapsacks, cartridge boxes, and hunting knives. The period after the Civil War was a lean time for Watervliet Arsenal until officially being named America's cannon factory in 1890. Many different guns and cannon are displayed here that were manufactured at the arsenal. They include a French Debangue breech from the 1870s, a field carriage (1898), an eight-centimeter crucible steel breech-

loading rifled field cannon, and a 3.6-inch breech-loading field mortar (1890). There is also an exhibit of the first 16-inch gun, which was completed in 1902. It measures 49.5 feet long and weighs 624 tons. The Benet family was quite important to the success of the arsenal, so a section in this portion of the museum is dedicated to them. Brigadier General Stephen Vincent Benet was the Chief of Ordnance in 1878, and Colonel James Walker Benet was commander of the arsenal from 1919 - 1921. The cannon breech display shows such artillery as the 105mm howitzer, 155mm Schneider breech, and the Nordenfeldt screen breech. The main section of the museum brings us to more modern types of weaponry. We are introduced to the many and varied types of mortars, aircraft cannon, and recoilless rifles of modern artillery warfare. Among these are the 90mm M67, 105mm M27A1, 75mm M20, 106mm M40A1, and the 155mm M64. There is a small section showing breech parts and muzzle brakes. Muzzle brakes are used to lessen cannon recoil by providing a surface or series of surfaces for the propulsion gases to impact when leaving the gun tube. Next to this is the rifling section. Rifling is a series of spiral grooves cut in the cannon barrel which impart a spin to the projectile along the longitudinal axis, creating gyro action. In the middle of the room, all the modern guns and cannon are displayed. This section includes such artillery as the T95E1 90mm smooth bore cannon, 155mm M185 gun-howitzer, 120mm M256 gun, eight-inch howitzer M2A1, and the 152mm gun launcher XM150E6.

As we approach the curator's office, there is a small display showing different types of nuclear projectiles, such as the M754 for the M753 projectile, the M423 for the M422 projectile, and the M455 for the M454 projectile. World War II is the theme of the next series of guns. First, we have a 37mm antitank gun M1 from 1942. This gun weighs 2700 pounds and once fired ammunition 10,860 yards. Next, there is a 75mm pack howitzer M1A1. This gun's weight is 1,440 pounds and has a range of 9,620 yards. Lastly, we get to study a map showing all the battles of World War II and the dates and locations throughout the world where allied troops engaged the enemy. This completes our cyber tour.

Here we also see a restored belt-driven machine from the classic 19th century period of arsenal production. This is an example of what will be a completely restored full machine shop that will take you back to the 1890s and the beginning of the cannon-making at Watervliet Arsenal.

Now that we've whet your historical appetite, make it a point to come to Watervliet Arsenal and view for yourself all of the history that lies inside the doors of the classic Iron

Building.

The museum staff provides fascinating tours for individuals or groups, small or large. The museum's archives provide an invaluable research resource for historians, authors, geneologists and other students of ordnance production. The Arsenal Museum is free and open to the general public from 10 a.m. to 3 p.m. Sunday through Thursday. Donations to the Watervliet Arsenal Historical Society are greatly appreciated. The box is just inside the front door.



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Revised: 21 June 2006

Watervliet, New York - Atomic Cannon - Where Large Guns Are Made

*Vacation and road trip planning caution: Visitor tips may not be verified. **Send us updates.***

Results 1 to 2 of 2...

Watervliet, New York - Atomic Cannon - Where Large Guns Are Made

There is an **atomic cannon** on display at the Watervliet Arsenal. If you want to take a photo of it, you have to be accompanied by one of the staff. It is a unique museum, housed in a building made totally of cast iron. With the elevation of alerts changing all the time, you may wish to call to see if the museum is open. It is on the grounds of the Watervliet Arsenal, an Army owned and operated facility north of Albany NY. This is the ONLY place in the country where large guns and cannons are made. The Arsenal also made the "Bunker Busters" of Desert Storm fame. This is a great museum, with a variety of "arms" going back to the Civil War. [Steven LJ Russo, 02/26/2005]

(**Atomic Cannon - Where Large Guns Are Made:** Watervliet, NY **Phone:** 518-266-5805)

Watervliet, New York - Where Atomic Cannons Came From

There is an **atomic cannon** at Watervliet Arsenal, Watervliet, NY. The reason it is there? This is the place where they all were manufactured. Watervliet Arsenal is the only place America has left to manufacture large caliber artillery guns. We make all of the tank guns now in use. We manufactured all of the massive guns aboard the naval battleships, etc.

I am the public affairs officer of the Watervliet Arsenal as well as the director of the Museum of the Big Guns. The Museum of the Big Guns at Watervliet Arsenal, Watervliet, NY, is about seven miles north of the state capital at Albany. Check out the arsenal and museum at www.wva.army.mil. [John Swantek, 04/14/2002]

(**Where Atomic Cannons Came From:** Watervliet, NY **Admission:** Free. **Hours:** Sun.- Thurs, 10am to 3pm.)

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2006 WLNR 15454968

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September 5, 2006

Section: Capital Region

New deal for Arsenal

WATERVLIET - The U.S. Army has awarded a new five-year contract to the Arsenal Business & Technology Partnership to be the exclusive economic developer for the **Watervliet** Arsenal site, U.S. Rep. Michael McNulty, D-Green Island, said Monday.

"I know the Army is very pleased with the progress at **Watervliet** ," McNulty said.

The partnership has brought in 16 new businesses, creating 150 jobs. It has renovated more than 100,000 square feet of office and manufacturing space. More is being renovated.

The Arsenal Partnership is a nonprofit group created in 1999 to redevelop underused space at the arsenal. Companies there work in precision coatings, advanced ceramics, plastics, homeland defense technology, software development, security consulting and clean room construction.

- Rick Karlin

---- INDEX REFERENCES ----

NEWS SUBJECT: (Joint Ventures (1JO05); Business Management (1BU42); Contracts & Orders (1CO29); Sales & Marketing (1MA51); Corporate Groups & Ownership (1X009))

INDUSTRY: (Aerospace & Defense (1AE96); Clean Room (1CL84); Defense (1DE43); Semiconductor Chip Manufacturing (1SE11); Defense Spending (1DE35); Electronics (1EL16); Semiconductor (1SE88); Semiconductor Manufacturing Equipment (1SE85))

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April 26, 2006

Section: Business

Sweeney touts incubator's strengths
Congressman hopes to secure more funding for Watervliet facility, which he

LARRY RULISON Business writer

WATERVLIET - Local economic development officials were at the **Watervliet** Arsenal on Tuesday to show off the **Watervliet** Innovation Center to U.S. Rep. John Sweeney.

Sweeney, a Clifton Park Republican, was responsible for getting funding for the WIC, a 2-year-old business accelerator at the arsenal that helps develop companies interested in selling to the homeland defense market.

The center is home to seven companies. Another eight are affiliates but have their offices at other locations. WIC is run by the Center for Economic Growth, an Albany-based economic development group.

CEG leases about 8,000 square feet of space from the Arsenal Business & Technology Partner ship, an economic development group that controls about 220,000 square feet of business space there. About half is occupied; the rest is being renovated.

Sweeney secured a \$450,000 federal grant in 2004 for a feasibility study, and late last year, he secured another \$750,000 for operations at the center.

"He set about doing it, and he did it," said Kelly Lovell, CEG's chief executive. "Today we have an opportunity to say thank you."

Sweeney said he would like to bring additional funding to the WIC, especially since WIC companies are working on homeland defense technologies.

"It's been extremely important, certainly for the economy of this region, but I think it's important for the nation," he said.

Despite the fanfare for the center, Sweeney spent most of his time talking about rising gas prices and energy policy. An impromptu news conference he held afterward focused entirely on the issue, although much of it addressed the fact that the country's energy policy is tied to its national security.

"We need to make some bold moves now," Sweeney said. "The world is a pretty destabilized place, especially where oil is produced."

Tony Gaetano, president of the Arsenal Business & Technology Partnership, said about 1,200 people work at the arsenal. But he hopes that number will rise to 2,000 by the end of the decade as the private sector companies grow. He said many are drawn to working closely with the Department of Defense and with one another. "That's why companies want to be here," Gaetano said. "It's the strongest word of mouth possible. These guys multiply customers for each other."

Larry Rulison can be reached at 454-5504 or by e-mail at lrulison@timesunion.com.

----- INDEX REFERENCES -----

NEWS SUBJECT: (Economic Development (1EC65); Economics & Trade (1EC26))

Language: EN

OTHER INDEXING: (ARSENAL BUSINESS TECHNOLOGY; ARSENAL BUSINESS TECHNOLOGY PARTNERSHIP; CEG; CLIFTON PARK REPUBLICAN; DEPARTMENT OF DEFENSE; SWEENEY; **WATERVLIET**; **WATERVLIET** ARSENAL; **WATERVLIET** INNOVATION CENTER; WIC) (Gaetano; John Sweeney; Kelly Lovell; Larry Rulison; Sweeney; Tony Gaetano)

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July 26, 2005

Section: Capital Region

Arsenal changes leader, mission

JORDAN CARLEO-EVANGELIST Staff Writer

WATERVLIET - A 22-year Army veteran will take command of the **Watervliet** Arsenal on Friday, marking the first leadership change since the announcement of a public-private partnership aimed at turning the 192-year-old cannon factory into an incubator for defense technology innovations.

Col. Kevin R. Moore will take control of the sprawling military facility a little more than two months after it was spared the ax in the Pentagon's latest round of military base closures.

Moore replaces retiring Col. Donald C. Olson, who served three years rather than the standard two in order to make **Watervliet** his last post, arsenal spokesman John Swantek said Monday.

Moore, a 45-year-old Wisconsin native, takes the position as the arsenal's mission evolves. In addition to being the country's only large-scale producer of large-caliber cannons, the arsenal is embarking on a plan to provide some of its space and resources to startup companies that focus on developing military technologies.

Since 1999, the facility has been renting space to private firms, but the year-old **Watervliet** Innovation Center specifically focuses on homeland defense technologies.

"Like in any job, any executive position, it's going to change every year," Swantek said. "Dealing with commercial tenants and partnerships and all that is certainly going to be different."

But the arsenal's core mission will remain much the same, he said. "The job of making those guns, whether business is slow or business is booming, is pretty much the same job," he said. "It is being manager of a manufacturing plant. The commander still is responsible for the quality of the cannon that leaves the arsenal." The arsenal, according to its Web page, produces the guns carried by the Army's primary battlefield tank, the M1 Abrams.

Moore, who enlisted in the Wisconsin Army National Guard in 1979, has held many positions, including commander of the Maryland-based 16th Ordnance Battalion and commander of a combat equipment battalion at Camp Doha in Kuwait.

He will officially take command from Olson at a closed ceremony on Friday morning. Olson's initials will be stamped on the breech of the last gun manufactured under his tenure, and Moore's will be stamped on the first of his command.

Swantek said the tradition is meant to underscore the personal responsibility of the commander for the quality of the weapons produced under his command.

Moore, who could not be reached for comment late Monday, is the latest in a line of more than 50 commanders since the arsenal opened in 1813 to help arm the country against the British in the War of 1812.

Olson joined the arsenal in 2002. On his first day, he stressed that flexibility and innovation would be crucial to the facility.

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@timesunion.com.

PHOTO

Olson

----- INDEX REFERENCES -----

INDUSTRY: (Military Forces (1MI37); Aerospace & Defense (1AE96); Defense (1DE43); Ground Forces Equipment (1GR31); Ground Forces (1GR94); Defense Equipment (1DE51))

REGION: (USA (1US73); Americas (1AM92); North America (1NO39); Wisconsin (1WI54))

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