Floating Wetland - Pilot Program

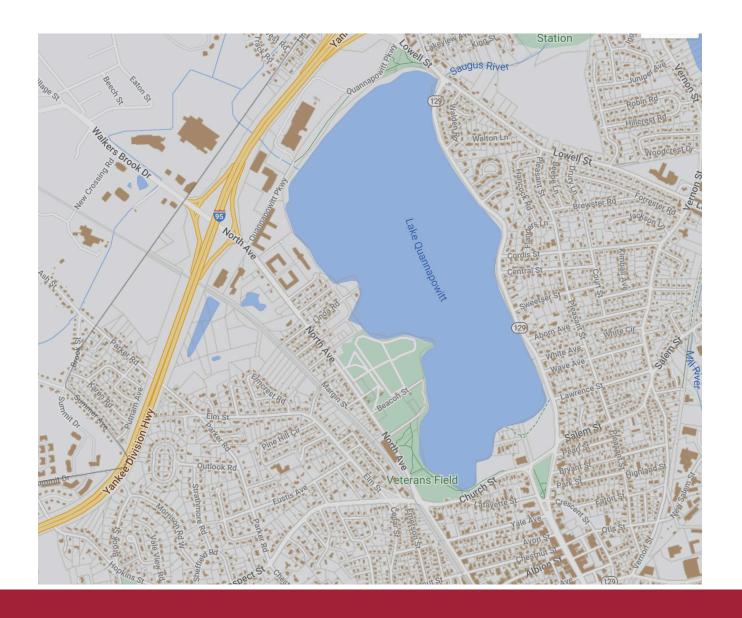
Presented by –
Rebecca Davis, Conservation Department
William Renault, Engineering Department

In collaboration with –
Friends of Lake Quannapowitt



Lake Quannapowitt

- Town's largest and most visible natural asset
- 250-acre Great Pond
- Headwaters of the Saugus River
- Tributary to public drinking water supply (Hawkes Pond)
- Free recreational/open space area accessible to all





Lake Quannapowitt

- 450 acre watershed
- 300 acres discharge through 36 stormwater outfalls
- 150 acres of overland flow
- High levels of phosphorus
- Poor water quality, highly eutrophic
- Poor circulation pattern, limited flushing
- Relatively shallow lake with controlled outlet



Past and Future Planning

- Wakefield Municipal Vulnerability Preparedness (MVP) Plan 2020
 - <u>Environmental Action</u> Improve and protect water quality in Lake Quannapowitt utilizing green infrastructure opportunities
- Vision 2030
 - <u>Mission Statement</u> Protect and enhance Wakefield's beautiful natural landscape, neighborhood character, and signature open space assets including Lake Quannapowitt
 - <u>Goals</u> 91% agree that protecting and improving most special places & physical assets like natural resources
 - Assets 89% answered that Lake Quannapowitt was their favorite recreational open space amenity



MAPC Accelerating Climate Resilience Program

- Funding available for one-year projects, up to \$50,000
- Fund actionable interventions that facilitate long-term innovation changes that advance climate equity, regional coordination, and social cohesion
- Expression of Interest meeting to discuss floating wetland program



MAPC Accelerating Climate Resilience – Program Priorities

- 9 Program Priorities
- Floating wetland pilot program meets <u>two</u> program priorities:
 - <u>Nature based solution</u> for climate resilience including both green infrastructure, as well as the restoration of a natural system
 - <u>Innovative public outreach</u>, engagement, and education through an artistic project that advances climate knowledge



Floating Wetland Pilot Program - Goals

- To provide an educational opportunity for community members to learn about the impacts of climate change and nature-based solutions that mitigate these impacts.
- To provide an educational space to increase public dialogue and engagement while simultaneous creating a visually-impactful art installation that is free and accessible to all members of the public.



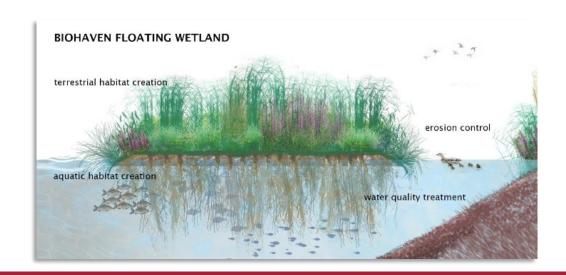
Floating Wetland Pilot Program – Green Infrastructure

- Improve Water Quality
 - Nutrient (phosphorus) removal through plant growth and harvest
 - Nutrient transformation through microbial activity on submerged root system
 - In-stream solution where upland space is limited due to development



Floating Wetland Pilot Program – Restoration of Natural Ecosystem

- Promote healthy ecosystem and biodiversity
 - Create new habitat in urban waters, both terrestrial and aquatic
 - Some evidence indicates that habitat improvements may contribute to secondary control of algae through consumers





Floating Wetland Pilot Program – Other Benefits

- Removal of other pollutants (metal adsorption)
- Shoreline or bank protection from erosion due to wind and wave action
- Thermoregulation in water column below the floating island
- Additional green space



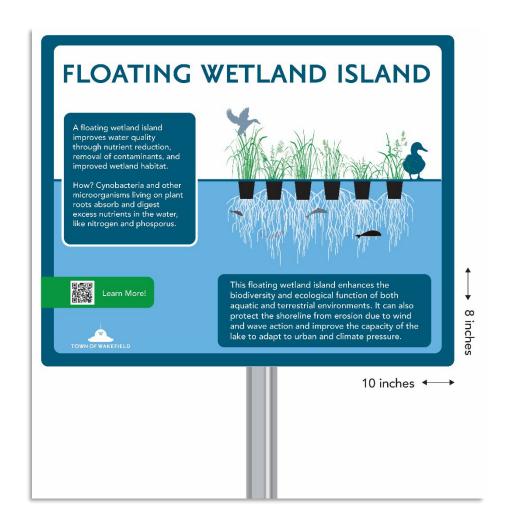
Floating Wetland Pilot Program – Public Outreach & Education

- Host virtual evening event for the community to learn about floating wetlands and climate change
- Opportunity to help create the design and assist in the installation of the wetland
- Continuing outreach through community educational programs with guest speakers and/or creating educational materials on topics such as:
 - Phytoremediation and other green infrastructure
 - Heat Island Effect
 - Homeowners Guide to Climate Change
 - Homeowners Guide to Sustainable Landscaping



Sample Signage

- Brief explanation of the pilot program
- QR code to additional information
- Multiple languages on the web landing page
- Consistent with wayfinding and other Town signs



Floating Wetland Pilot Program – Artistic Element

Spiral Wetland by Stacey Levy -Environmental Artist





Floating Wetland Pilot Program – Charles River





Floating Wetland Pilot Program – other examples





Floating Wetland Pilot Program – Considerations

- Location & Sizing
- Permitting
- Materials
- Installation & Maintenance
- Winterization (or Removal)



Floating Wetland Pilot Program – Location & Sizing

• Final location & sizing will be recommended by consultant and discussed at public meeting

Location

- Must be accessible
- Must be highly visible
- Must not impair boating
- Average wind and wave action

• Sizing

- Artistic component may contribute to size selection
- Must be highly visible



Floating Wetland Pilot Program – Permitting

- <u>Conservation Commission</u> Order of Conditions may qualify as ecological restoration project
- MA DEP Chapter 91 may require license

Floating Wetland Pilot Program – Materials

- Floating Mat
- Soil Substrate or plant pot, depending on selected design
- Plants
- Rope and/or chain
- Weight



Floating Wetland Pilot Program – Installation & Maintenance

Installation

- Layout of floating mat
- Insertion of selected plants
- Tow float, potentially in multiple sections, to selected location
- Drop anchor

Maintenance

- Routine check of attachments
- Removal of dead plant material
- If continued past one-year, replanting



Partnerships

- Friends of Lake Quannapowitt
- Saugus River Watershed Council
- Quannapowitt Yacht Club



Floating Wetland Pilot Program – Future Expansion

• If successful, opportunity to add on additional floats

Transferable other locations

Expanded educational opportunities

Collaboration with other regional entities



Thank you

Any questions, comments, or concerns







Veterans Field Parking Lot Improvements & Restroom

William Renault, Jr., P.E. Town Engineer

Town Council Meeting
September 11, 2023











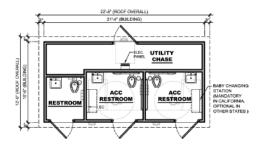




Restroom Styles



ELEVATION

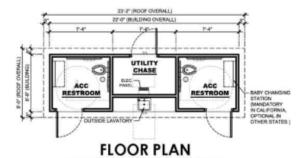


FLOOR PLAN

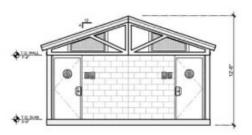




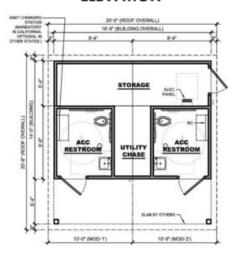
ELEVATION







ELEVATION



FLOOR PLAN



Restroom Finishing Examples







American Rescue Plan Act (ARPA) Update

September 11, 2023



Wakefield's Share

- \$8,083,935
 - County \$5,253,174
 - Town \$2,830,761

ARPA Expenditures (budget)

- FY 2022 Budget
 - Town Hall \$51,318*
 - Police \$18,750
 - Schools \$400,000
- FY 2023 Budget
 - Town Hall \$21,500
 - Health Budget \$145,000
 - Schools \$363,000
 - Supplemental Budgets \$275,000 (TC Vote 4/24/2023)
- FY2024 Budget
 - Health \$50,000
 - Schools \$200,000
 - Town Council \$100,000

Total \$1,624,568

ARPA Expenditures

 School and First Responder Overtime 	\$48,121
 Contact Tracing 	\$59,752
• Test Kits	\$112,576
 Clinics, Elections, Town Meetings, Assistance 	\$105,820
 Fire Department Overtime 	\$107,871
 Fit Court (May 9, 2022 TC Meeting) 	\$100,000

• Total \$534,140



Town Council Approvals 11/14/2022

- Energy Assistance Fund
- Lake Quannapowitt cleanup/Vets
- Lake pathways
- Rail Trail/Wakefield Mobility
- Tree Replacement
- Sidewalk Expansion
- WCAT Expenses

Expended Approved \$400,000 \$79,250 \$800,000 \$44,240 \$100,000 \$1,000,000* \$1,000,000 \$150,000 \$12,432.50 \$776,000* \$1,100,000 \$136,750 \$137,000



Town Council Approvals

	Approved	Expended
 MWRA Water Truck 	\$55,000	\$55,000
 Conference Room Zoom/Hybrid Upgrades 	\$75,000	\$3473
 ADA Swing 	\$25,000	\$25,000
 Civil War Monument Evaluation 	\$10,000	\$9850
 Title Searches 	\$25,000	\$21,250
• Total	\$3,877,000	\$2,163,245





M landscape structures

DOLBEARE ELEMENTARY SCHOOL

MEO23271 • 3.13.2023



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Remaining ARPA funds

Unappropriated (12/31/2024)

\$2,048,227

Thank You!

Learn more about ARPA:

mass.gov/guides/american-rescue-plan-act-arpa-resources

wakefield.ma.us/arpa



TOWN OF WAKEFIELD

PUBLIC ASSET NAMING POLICY

INTRODUCTION

The Town Council shall be responsible for the naming of public assets under its dominion and control. In light of the provisions of G.L. c. 78 and 164, the Council recognizes that its jurisdiction excludes assets of the Lucius Beebe Memorial Library and the Wakefield Municipal Gas and Light Department. In consideration of the provisions of G.L. c. 71 and Charter § 8-4, the Council will consult with the Wakefield Public Schools concerning school assets. For this purpose, public assets shall mean buildings, parks, squares, parcels of land, or portions of any of the foregoing, which are owned by the Town (as modified in the preceding sentence). It is the goal of the Council to reserve the naming or renaming of public assets for circumstances that will best serve the interests of the Town and to ensure a worthy and enduring legacy for the Town's public assets. It is the policy of the Council that the naming or renaming of public assets shall be done sparingly and only for good cause shown. The Council intends to be cautious in its implementation of this Policy in order to avoid over-naming public assets.

PURPOSE

The Town Council believes that the naming of public assets is a matter of substantial or significant public interest and deserves careful consideration. The Council, therefore, creates this policy to establish a systematic, consistent and transparent approach for naming of public assets in the Town. This policy shall not apply to the naming or renaming of ways in the Town, which is subject to procedures set forth in the General Bylaws and the Massachusetts General Laws.

GUIDELINES

As part of the naming process, it is the Council's goal to inform the public when a proposal is brought before the Council for its consideration. When considering the naming of any public asset, the Council may consider the following guidelines:

- 1. Priority should be given to names carrying geographic, historical or cultural significance to the Town as a whole or to the area in which the public asset is located.
- 2. The public asset may be named after an individual who, or organization that, has made significant financial or civic contributions to the Town or that has made a direct financial grant to the Town for the purpose of developing a particular public asset.
- 3. Suggestions for naming of any public asset or portion thereof may come to the Town Council from any town official or member of the public. In the instances when the proposed naming of a public asset would constitute posthumous recognition, the Town Council will not entertain any naming discussion until a year has passed from the date of death.

PROCESS

Any person or entity may propose in writing that a Town asset be named. Said proposal shall be submitted to the Town Administrator's Office. Proposals should include substantial documentation to support the rationale for selecting the name, and to the extent possible should reflect a broad level of community backing, including from any boards or committees that have any connection to the asset that is proposed to be named.

To ensure that the Town Council is fully aware of the public's interest in a naming or renaming proposal, a public hearing shall be held by the Council before deliberations and a vote can occur. Public notice of such hearing shall be posted on the Town's website at least fourteen (14) days prior to the hearing.

Prior to the hearing, the Council shall solicit input from relevant Town boards and committees, surrounding property owners, residents, affected parties, and groups or individuals that the Council believes may contribute meaningful input. The Town entity having care, custody, management, and control of the public asset shall be invited to attend the hearing and to participate in the deliberations of the Town Council.

It being the intent of the Council to act sparingly in assigning names to Town assets, no asset shall be named or re-named without the affirmative vote of five (5) members.

CRITERIA

In deciding the appropriateness of any naming or renaming proposal, the Council shall consider:

- a) The significant public value of the public asset;
- b) The public interest to be served;
- c) Any historic events, people or places associated with the public asset;
- d) Any outstanding individual associated with the public asset;
- e) Any major gift associated with the public asset;
- f) Whether the naming proposal is for a time certain;
- g) Whether the Town has the legal power to rename the public asset, taking-into-account the terms of any trust, donation letter or other instrument that could limit that power; and
- h) Whether a naming agreement or other documentation is appropriate or necessary.

In addition, in deciding the appropriateness of any renaming proposal, the Council shall consider:

- a) Any existing agreement or documentation regarding the current name;
- b) The appropriateness of a new name, taking into consideration historical significance of the public asset or its current name; and
- c) Any costs associated with the renaming.

In making its decision to name or rename a public asset, the Town Council shall consider:

- a) Any other assets named, or currently being considered for naming, by the Council;
- b) Whether conditions or limitations should be placed on the maintenance or use of the public asset as a result of the naming or renaming;
- c) Compliance with state laws, town bylaws, regulations or policies; and
- d) Whether the naming should be restricted in duration.

This policy is meant to serve as a guide to those persons seeking to name or rename a public asset. Nothing herein shall be construed to limit the Council's authority to exercise its discretion based on the relevant facts and circumstances.

This policy may be amended or rescinded by the Council by majority vote.

c:\Wakefield\Naming Policy - Revised 6.5.23

SOURCE	DONOR INTENT
VARIOUS GIFTS - ORG 20610290	, OBJECT 483000
MAGAZINE GIFTS - ORG 206102	95, OBJECT 483000
EDIENDS OF DEEDE I IDDADY	SIETS ODC 20410201 OD IECT 492000
FRIENDS OF BEEBE LIBRARY G	GIFTS - ORG 20610291, OBJECT 483000
GIFT BOOKS - ORG 20610296, OF	RJECT 483000
011 1 20 0110 0110 20010 200, 01	30121 10000
TOTAL DONATIONS	

2,025.00
0.00
0.00
0.00
0.00

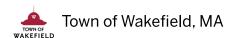
32,025.00

Wakefield Youth Action Team

Org: 20510765 Object: 483000

25-May-23

Source	Donor Intent	Detail	Amount	Account Total
	Town of Wakefield- Youth Action	Donation	500	
	Town of Wakefield- Youth Action	Donation	500	
				1000



9/6/2023

ODLL-23-10

One Day Liquor License

Status: Active

Submitted On: 8/17/2023

Primary Location

123 FOUNDRY ST

Wakefield, MA 01880

Owner

BERMAN REALTY II LLC 40 CHESTNUT ST

LYNNFIELD, MA 01940

Applicant

Erik Auerbach

A

Applicant Information

Business Name (If Applicable)

TAPPED Beer Truck

Business Address (If Applicable)

120 Jackson St. Canton MA 02021

Applicants Name

Avi Shemtov

Applicants Address

120 Jackson St. Canton, MA 02021

Phone Number

Email

License Info

Name of person serving the alcohol* $\ensuremath{\mathbf{Q}}$

Chris Riegel

Purpose of Event*

Office event

> Start Time* Start Date*

09/14/2023 4:00pm

End Date* **End Time***

09/14/2023 7:00pm

Is the event at the Americal Civic Center?*

No

If not at Americal Civic Center where is the event?

Win-supply

Applicant Signature

Application is made to the Town of Wakefield Licensing Authority in accordance with their Rules and Regulations made under authority of applicable statutes.

Signature of Applicant



Avi Shemtov Aug 17, 2023

e-Signature

I the undersigned certify under the penalties of perjury that I, to my best knowledge and belief, have filed all State tax returns and paid all State taxes required by law.*

Signature of individual or Corporate Officer

Erik Auerbach

Erik Auerbach Aug 17, 2023

Social Security # or Federal Identification Number (whichever is applicable)

This license will not be issued unless this certification clause is signed by the applicant. Your social security number or FID number will be furnished to the Massachusetts Department of Revenue to determine whether you have met tax filing or tax payment obligations. Licensees who fail to correct their non-filing or delinquency will be subject to license suspension or revocation. This request is made under the authority of Mass. G.L. c. 62C, s. 49

Attachments

alisontip.jpg

iles/wakefleientia/Bisontip_Thu_Aug_17_2023_12-33-51.jpg? =2023-09Uploaded by Erik Auerbach on Aug 17, 2023 at 12:33 PM 3AM8zBvxw%2Fq%2FurmwqZ%2FG%2BUu3RbwUD%2Bk%3D)

riegsTIP.jpg

t/vpc3- riegsTIP.jpg 2-33-59.jpg/1847e203/1E44k-Q46484z1202223 at 12:34 PM

GjZgFQMBJsf%2F7G58oVFxiklrF0Mh0AmSF1CqaA%3D)

History

Date	Activity
8/17/2023, 12:31:30 PM	Erik Auerbach started a draft of Record ODLL-23-10
8/17/2023, 12:33:51 PM	Erik Auerbach added attachment alisontip.jpg to Record ODLL-23-10
8/17/2023, 12:33:59 PM	Erik Auerbach added attachment riegsTIP.jpg to Record ODLL-23-10
8/17/2023, 12:36:00 PM	Erik Auerbach submitted Record ODLL-23-10
8/17/2023, 12:36:01 PM	approval step Town Administrative Reviewwas assigned to Sherri Dalton on Record ODLL-23-10

Date	Activity
8/17/2023, 1:13:46 PM	Sherri Dalton approved approval step Town Administrative Review on Record ODLL-23-10
8/17/2023, 2:37:59 PM	completed payment step License Fee on Record ODLL-23-10
8/17/2023, 2:38:02 PM	approval step Police Administrationwas assigned to Chief Steven Skory on Record ODLL-23-10
8/17/2023, 2:38:02 PM	approval step Fire Administrationwas assigned to Chief Michael Sullivan on Record ODLL-23-10
8/17/2023, 2:38:02 PM	approval step Health and Human Services Departmentwas assigned to Cindy Luongo on Record ODLL-23-10
8/17/2023, 3:01:51 PM	Chief Steven Skory approved approval step Police Administration on Record ODLL-23-10
8/17/2023, 5:23:07 PM	Cindy Luongo approved approval step Health and Human Services Department on Record ODLL-23-10
8/18/2023, 10:45:59 AM	Chief Michael Sullivan approved approval step Fire Administration on Record ODLL-23-10
8/18/2023, 10:46:01 AM	approval step Town Administrative Approvalwas assigned to Sherri Dalton on Record ODLL-23-10
9/6/2023, 4:10:37 PM	Sherri Dalton changed Purpose of Event from "Office event" to " <div>Office event</div> " on Record ODLL-23-10
9/6/2023, 4:10:37 PM	Sherri Dalton changed If not at Americal Civic Center where is the event? from "Win-supply" to " <div>Win-supply</div> " on Record ODLL-23-10
9/6/2023, 4:10:37 PM	Sherri Dalton changed End Date from "09/15/2023" to "09/14/2023" on Record ODLL-23-10
9/6/2023, 4:10:37 PM	Sherri Dalton changed End Time from "6:30pm" to "7:00pm" on Record ODLL-23-10

Timeline

Label	Activated	Completed	Assignee	Due Date
✓ Town Administrative Review	8/17/2023, 12:36:00 PM	8/17/2023, 1:13:46 PM	Sherri Dalton	-
✓ Police Administration	8/17/2023, 2:38:01 PM	8/17/2023, 3:01:51 PM	Chief Steven Skory	-
✓ Fire Administration	8/17/2023, 2:38:01 PM	8/18/2023, 10:45:59 AM	Chief Michael Sullivan	-

Label	Activated	Completed	Assignee	Due Date
✓ Health and Human Services Department	8/17/2023, 2:38:01 PM	8/17/2023, 5:23:07 PM	Cindy Luongo	-
\$ License Fee	8/17/2023, 1:13:47 PM	8/17/2023, 2:37:59 PM	Erik Auerbach	-
✓ Town Administrative Approval	8/18/2023, 10:46:00 AM	-	Sherri Dalton	-
License Issuance	-	-	-	-

Town of	Wakefield		
		30-Jun-23	26-Jun-23
Dept#	Department	55	56
	Payroll W/H		
	Town Council	45.00	
	Finance	205.00	
	Accounting	295.00	
	Assessors		
	Treasurer		
	Tax Collector		
	Legal	0.004.00	
	Data Processing	6,961.20	
	Town Clerk	202.00	
	Election/Registar	300.00	
	Conservation		
	Planning Board		
	Board of Appeals		
	General Insurance	100.00	
	Professional Med	100.00	
	Police	735.99	
	Fire	165.46	
	Fire Alarm	1,484.44	
	Building Insp	238.44	
	Emergency Mgmt	763.59	
	Animal Inspector		
297	Parking Clerk		
	School Petty Cash		
	School	388,809.31	23,837.50
	Public Works	618,492.44	
	Street Lighting		
	Light Dept		
	Board of Health	140.00	
	Council on Aging	51.50	
	Veterans		
	Library	2,733.27	
	Recreation		
	Misc Depts		
	Retirement		
	Workers Comp		
	Unemployment		
914	Group Insurance		
	Adjustments		
	Total	1,021,315.64	23,837.50
1		603,877.90	23,837.50
12		9,245.00	
13		11,315.00	
20		57,959.46	
21		24,172.94	
30			
35			
60		103,981.31	
61		210,764.03	
62			
63			
82			
84			
85			
89			
		1,021,315.64	23,837.50
		0.00	0.00

Town of	Wakefield	Warrant#	13 Jul 22	25-Jul-23	1-Aug-23	8_Aug 22
Dept#	Department	vvariani#	13-Jul-23 3	25-Jul-23 4	1-Aug-23 5	8-Aug-23 6
Воре п	Bopartmont					
	Payroll W/H			6911.4		40,409.44
122	Town Council			1,459,253.58		445,566.02
131	Finance			295.00		3,277.50
135	Accounting			40.00		8,000.00
141	Assessors					1,040.00
145	Treasurer			593,105.14		966,967.93
146	Tax Collector			1,299.51		6,856.13
151	Legal					
155	Data Processing			12,341.56		
161	Town Clerk					2,171.96
164	Election/Registar			2,550.00		
171	Conservation			724.00		370.62
175	Planning Board					
176	Board of Appeals			1,498.00		
193	General Insurance		528,629.00			
198	Professional Med			630.00		
210	Police			52,975.12		83,238.90
220	Fire			8,034.34		1,501.58
	Fire Alarm			1,552.39		76.50
240	Building Insp					
291	Emergency Mgmt					
292	Animal Inspector					
297	Parking Clerk					
300	School			80,186.60		214,691.46
422	Public Works			63,018.14		176,707.56
424	Street Lighting					188,131.00
	Light Dept			414,772.29		456,127.19
	Board of Health			4,173.47		1,697.48
541	Council on Aging			21.46		2,948.75
	Veterans			5,816.36		
610	Library			64,628.69		16,604.83
630	Recreation			12,929.10		27,872.18
XXX	Misc Depts			475.00		554.00
910/911	Retirement				7,876,252.00	
912	Workers Comp					
913	Unemployment					
914	Group Insurance			26,701.46		16,450.62
	Adjustments					
	Total		528,629.00		7,876,252.00	
1			528,629.00	848,079.85	7,876,252.00	1,262,186.47
12				173.02		
13						
20				70,922.27		38,148.98
21				14,282.92		22,636.51
30				1,364,503.79		436,074.13
35						429,718.75
60				246.15		6,759.74
61				2,278.59		3,922.76
62				414,772.29		456,127.19
63				94,219.69		
82						
84				475.00		554.00
85				3,979.04		5,133.12
89						
			528,629.00		7,876,252.00	2,661,261.65
			0.00	0.00	0.00	0.00