

#### MASSACHUSETTS WATER RESOURCES AUTHORITY

Charlestown Navy Yard

100 First Avenue FICE as FILED Boston, Massachusetts 02129

1988 NOV -4 PM 3: 00

Telephone: (617) 242-6000

FEDERAL ENERGY November 1011988

**Board of Directors** James S. Hoyte, Chairman Paul N. Anderson

John J. Carroll Robert J. Ciolek Lorraine M. Downey Anthony V. Fletcher Charles Lyons Samuel G. Mygatt Margaret A. Riley Walter J. Ryan, Jr. Jonathan Z. Souweine

**Executive Director** 

Paul F. Levy

J. Mark Robinson

Director, Division of Project Compliance & Administration Federal Regulatory Commission

825 North Capital Street, N. E. Washington, D.C. 20426

Attn: Judy Gantt, Room 3110

P-10689-000

Re:

UL-88-4 OAKDALE STATION - MASSACHUSETTS -MASSACHUSETTS WATER RESOURCES AUTHORITY

#### Gentlemen:

Enclosed are 14 copies of our Exemption Application for Exemption for Small Conduit Hydroelectric Facility - Oakdale Power Plant, West Boylston, MA Project. This completes the fifteen sets required by FERC.

If there are any further questions, please contact Thomas S. Baron, P.E., Director, Water Supply Department, Telephone # (617) 242-7110 X 4611.

Very truly yours,

Thomas S. Baron, P.E.

Director, Water Supply Department

/br

Encl.

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FERC - DOCKETED

88/1120173



#### MASSACHUSETTS WATER RESOURCES AUTHORITY

Charlestown Navy Yard

100 First Avenue

FILED Boston, Massachusetts 02129
OFFICE OF THE SECRETARY

Telephone: (617) 242-6000

1988 NOV -4 PM 3: 02

October 19, 1988

FFDERAL ENERGY REGULATORY

Board of Directors James S. Hovte, Chairman Paul N. Anderson John J. Carroll Robert J. Crolek Lorraine M. Downey Anthony v. Fletcher Charles Lyons Samuel G. Mygatt Margaret A. Rilev Watter J. Rvan. Jr.

J. Mark Robinson Director, Division of Project Compliance & Administration Federal Regulatory Commission 825 North Capital Street, N. E. Washington, D.C. 20426

RE: UL88-4 OAKDALE STATION - MASSACHUSETTS -WATER RESOURCES AUTHORITY

Jonathan Z Souweine Executive Orrector Paul F. Lew

Dear Sir:

Enclosed for filing in the above-referenced matter, please find the Massachusetts Water Resources Authority's application for exemption for its small conduit hydroelectric facility. By copy of this letter, copies of this application are being served by MWRA upon the consulted agencies pursuant to 18 CFR 4.38(3).

Please do not hesitate to contact Thomas S. Baron, Director, Water Supply Department, (617) 242-6000, Ext. 4611 if you have any questions regarding this application. Thank you for your assistance in this matter.

Very truly yours,

William Brutsch. Director Waterworks Division

WB/BHT/jef

Thomas S. Baron, Director, Water Supply Department cc: Bruce H. Tobey, Associate General Counsel Consultation Agencies

Enclosure

#### Consultation Agencies

#### Distribution List

Mr. Robert Gift National Park Service Midatlantic Region 143 South Third Street Philadelphia, PA 19016

Mr. Christopher Mantzaris
Department of Commerce
National Oceanic and
Atmospheric Administration
Mational Marine Fisheries Serv.
I State Fish Pier
Houcester, MA 01930-3097

Mr. Alex Hoar Endangered Species Specialist U. S. Fish and Wildlife Service 1 Gateway Center, Suite 700 Newton Corner, MA 32109

Department of the Interior Director, North Atlantic Office National Park Service 15 State Street Boston, MA 02109

Mr. William P. Patterson Lepartment of the Interior Regional Environmental Officer .5 State Street Boston, MA 02109

Mr. Jave Clark
Regional Envir. Coordinator
Department of the Interior
National Park Service
15 State Street
Boston, MA 02109

## Distribution List Page 2

Ms. Elizabeth A. Higgins
Environmental Protection Agency
Room 2203
John F. Kennedy Federal Building
Boston, MA 02203

Ms. Margarite Donnelly, Director Department of Interior U. S. Fish and Wildlife Service Gateway Cener, Suite 700 Newton Corner, MA 02158

Mr. Walter Bickford

Tommonwealth of Massachusetts

Dept. of Fisheries, Wildlife,

& Recreational Vehicles

100 Cambridge Street

Boston, MA 02202

Ms. Valerie Talmage MA. Historical Commission 80 Boylston Street Boston, MA 02116

Mr. Gilbert Bliss Commonwealth of Massachusetts Dept. of Environ. Management Division of Forests and Parks 100 Cambridge Street Boston, MA 62202

Mr. Thomas McMahon
Commonwealth of Massachusetts
Department of Environ.
Quality Engineering
Division of Water
Pollution Contol
1 Winter Street, 7th Floor
Boston, MA 02108

## Distribution List Fage 3

Mr. James O'Connell Executive Office of Environmental Affairs Coastal Zone Management 100 Cambridge Street Boston, MA 02202

Col. Thomas Rhen
U. S. Army Corps of Engineers
The Division Engineer
U. S. Army Engineer Division
424 Trapelo Road
Waltham, MA 02154

Ms. Catherine Morris
Massachusetts Department of
Cublic Utilities
100 Cambridge Street
Boston, MA 02202

Mr. William Febiger Energy Facilities Siting Council 21st Floor Boston, MA 02202

Mr. Phil Nadeau
Department of Environ.
Quality Engineering
Central Region
"5 Grove Street
Worcester, MA 31605

Mr. Steven M. Henry Division of Fisheries & Wildlife Field Headquarters Westborougn, MA 01581

Mr. Stephen Davis
Executive Office of
Environmental Affairs
Environmental Impact
Review Division
100 Cambridge Street, 10th Floor
Boston, MA 02202

## Distribution List Page 4

Mr. Gordon E. Beckett c/o of U. S. Fish/Wildlife ENHN 222 Bridge St. PILL BLD STE 400 Concord, N.H. 03301-49999

#### CLINTON

Mr. Jack Graves Planning Board c/o Town Hall 242 Church Street Clinton, MA 01510

Mr. Paul Colombo, Clerk Clinton Conservation Commission c/o Town Hall Church Street Clinton, MA 01510

#### WEST BOYLSTON

Mr. Ken Angel
West Boylston Conservation
Commission
2/0 Fown Hall
120 Prescott Stree
West Boylston, MA 1583

Ms. Mathy Foreman Planning Board c/o Town Hall 120 Prescott Street West Boylston, MA 1583 APPLICATION FOR EXEMPTION FOR SMALL CONDUIT HYDROELECTRIC FACILITY PROJECT NO. UL88-4

OAKDALE POWER PLANT WEST BOYLSTON, MASSACHUSETTS

OCTOBER 1988

MASSACHUSETTS WATER RESOURCES AUTHORITY BOSTON, MASSACHUSETTS

BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

APPLICATION FOR EXEMPTION FOR

#### SMALL CONDUIT HYDROELECTRIC FACILITY

1. Massachusetts Water Resources Authority, Waterworks Division.

applies to the Federal Energy Regulatory Commission for an exemption for the Oakdale Power-Plant, a small conduit hydroelectric facility that meets the requirements of Para.

4.30(b) (26) of this subpart, from certain provisions of Part I of the Federal Power Act.

The location of the facility is:

State: Massachusetts

County: Worcester

Town: West Boylston

The exact name and business address of the applicant is:

Massachusetts Water Resources Authority
Waterworks Division
100 First Avenue, Charlestown Navy Yard
Boston, Massachusetts 02129

3. The exact name and business address of each person authorized to act as agent for the applicant in this application are:

Mr. William A. Brutsch. P.E.

Director

Massachusetts Water Resources Authority

Waterworks Division

100 First Avenue. Charlestown Navy Yard

Boston, Massachusetts 02129

- The Massachusetts Water Resources Authority is an agency of the Commonwealth of Massachusetts.
- 5. The Massachusetts Water Resources Authority requests to be exempted from all of the provisions of Part I of the Federal Power Act.

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Commonwealth of Massachusetts) ) ss. County of Suffolk WILLIAM A BRUTSCH, P.E. By: Director Hassachusetts Water Resources Authority Waterworks Division 100 First Avenue. Charlestown Navy Yard Boston, Massachusetts 02129 Being duly sworn, deposes and says that the contents of this Application are true and to the best of his knowledge or belief. The undersigned applicant has signed this Application this 20th day of October, 1988. Massachusetts Water Resources Authority Waterworks Division Applicant

By: Miller G. Kush.

COS

Subscribed and sworn to before me. a \_\_\_\_\_\_\_notary public, of the Commonwealth of Massachusetts. this 20th day of October, 1988.

/Seal/(if any)

Robert Rulane

ROBERT R. WATNER
Notary Public. or other authorized

official

My commission expires: January 6, 1995

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#### A.1 FACILITY DESCRIPTION

The Oakdale Power Plant facility, a free standing structure not integral to any dam structure, is located at the end of the Quabbin Pressure Aqueduct. The Oakdale Power Station utilizes the transfer flow and differential head between the Quabbin and Wachusett Reservoirs. The facility is located on the Wachusett Reservoir in the Town of West Boylston, Worcester County, Massachusetts, and is owned by the Metropolitan District Commission (MDC), but operated by the Massachusetts Water Resources Authority (MWRA).

Modification to the Oakdale facility which converted the outlet works into the present power plant was completed in 1951. The facility houses one vertical shaft Francis Type turbine-generator rated at 3500 KW; one by-pass line incorporating two 72-inch disc valves which allows flow to completely by-pass the generating unit; and associated hydraulic, electrical and mechanical equipment.

The turbine is rated at 115 feet head for a rated discharge of 330 MGD (510 cfs). The turbine is directly coupled to a 3500 KW

synchronous generator running at 327 RPH and rated for three-phase. 60 HZ, 6900 volt operation.

The power produced at the Oakdale Power Plant is sold under contract to the New England Power Company.

#### A.2 WATER SOURCE

The land within the Oakdale facility boundary is owned by the MDC. with all appurtenant facilities operated and maintained by the MWRA. The source of water incident to the power facility is the public water supply of MWRA in transit from its supply sources to its member communities in Metropolitan Boston. The origin of this flow is the Quabbin Reservoir of the MDC system located at Belchertown, Massachusetts. The Oakdale facility is located on the Wachusett Reservoir and is the Quabbin Aqueduct outlet into the Wachusett Reservoir. The outlet allows for the transfer of water from the 412 billion gallon capacity Quabbin Reservoir and/or the Ware River to augment the yield of the 107 square mile watersned of the 65 billion gallon Wachusett Reservoir. The Quabbin and Wachusett Reservoir represent the total active Reservoir storage for the 46 communities, including the

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Boston Metropolitan Region. served by the MWRA/MDC water system. The Oakdale facility utilizes the transfer flow between these two reservoirs to generate power without any interference to the water supply operational requirements. In case of any scheduled or unscheduled outages of the power plant water flow can completely by-pass the generator unit.

#### A.3 CONDUIT USE

The purpose of the Quabbin Aqueduct is as a Public Water Supply Conduit within the MWRA/MDC system.

#### A.4 GENERATING UNITS

One unit, with a rated capacity of 3500 KH, exists. There are no plans, short or long term, to install an auxiliary unit.

#### A.5 HYDRAULIC TURBINE

Turbine - S. M. Smith. Francis Type

Generator - General Electric

Synchronous Generator S/N 663811

RPM 327

OAK

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4375 KVA. 6900 Volts. 366 AMPS

D-C Excitation. 250 AMP. 125 Volts

Phase - 3

Power Factor - 0.8

A.6 PLANT OPERATION

Typical Oakdale Power Plant operation averages 5 to 6 months annually and is used only to augment the water flow into the Wachusett Reservoir. When in operation the station normally operates continuously but is only manned 8 hours per day, 5 days per week with off-site monitoring for the remaining time. Flow through the Oakdale facility is either through the hydrogenerating unit or through the 72-inch by-pass with average flows of 333 MGD (515 cfs) and 550 MGD (850 cfs) respectively. Extended periods of continuous station operation usually occur during high water consumption periods. July through mid September, will sporadic operation occurring throughout the rest of the year in order to maintain desired reservoir elevations.

#### A.7 ENERGY ESTIMATES AND HYDRAULIC CHARACTERISTICS

i. Average Annual Generation:

OAK

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## 13,000,000 KWH --- (80% rated output for 6 months annual generation)

- ii. Average Head: 30 ft.
- iii. Hydraulic Capacity (Max.) 330 MGD (510 cfs)
- iv. Quabbin Aqueduct Tunnel (Average): 320 MGD (495 cfs)

Flow estimates are based on actual flow records of the Quabbin Aqueduct. Data for the average flow is gathered by the MWRA/MDC via a venturi meter located at the Oakdale facility and is recorded on a circular chart. The data is then summarized as a daily average.

#### A.8 CONSTRUCTION DATE

Not Applicable - (Existing Facility)

#### A.9 DISCHARGE INTO NATURAL BODY OF WATER

There will be no discharge to a natural body of water. The discharge is into the Wachusett Reservoir, a man-made reservoir, used exclusively as a storage reservoir for a public water supply system.

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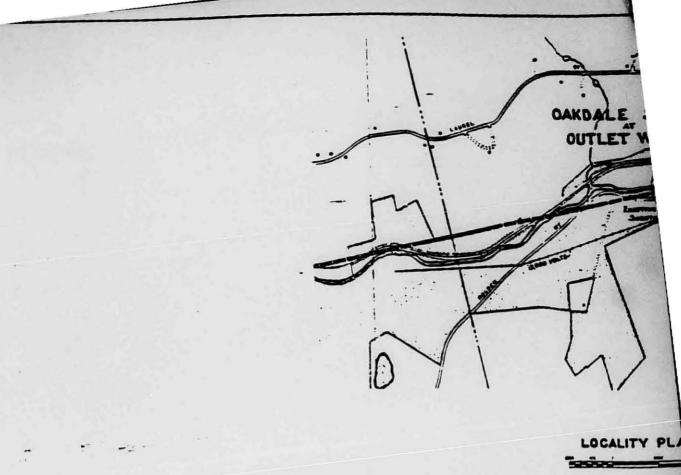
#### A.10 DISCHARGE TO POINT OF CONSUMPTION

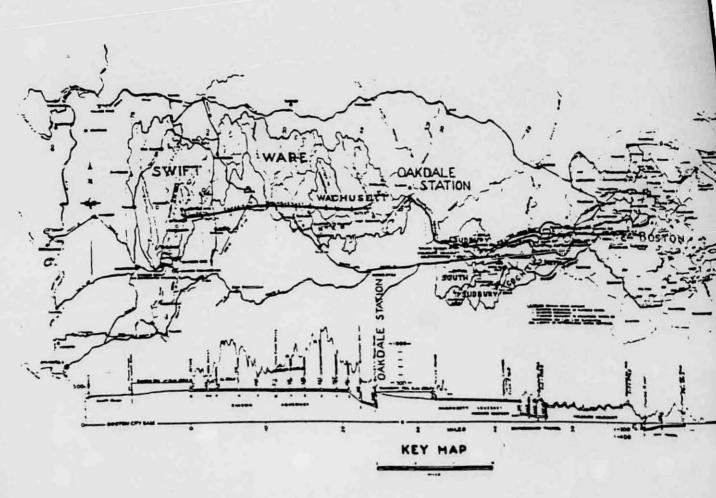
There is no discharge to a point of agricultural or industrial consumption. The Wachusett Reservoir is a storage reservoir which directly feeds the MWRA/MDC Water Supply System through a network of aqueduct tunnels and piping which are part of direct service to numerous opportunities for municipal consumption enroute and interface directly with the regional distribution pipe network of the Metropolitan Boston Area.

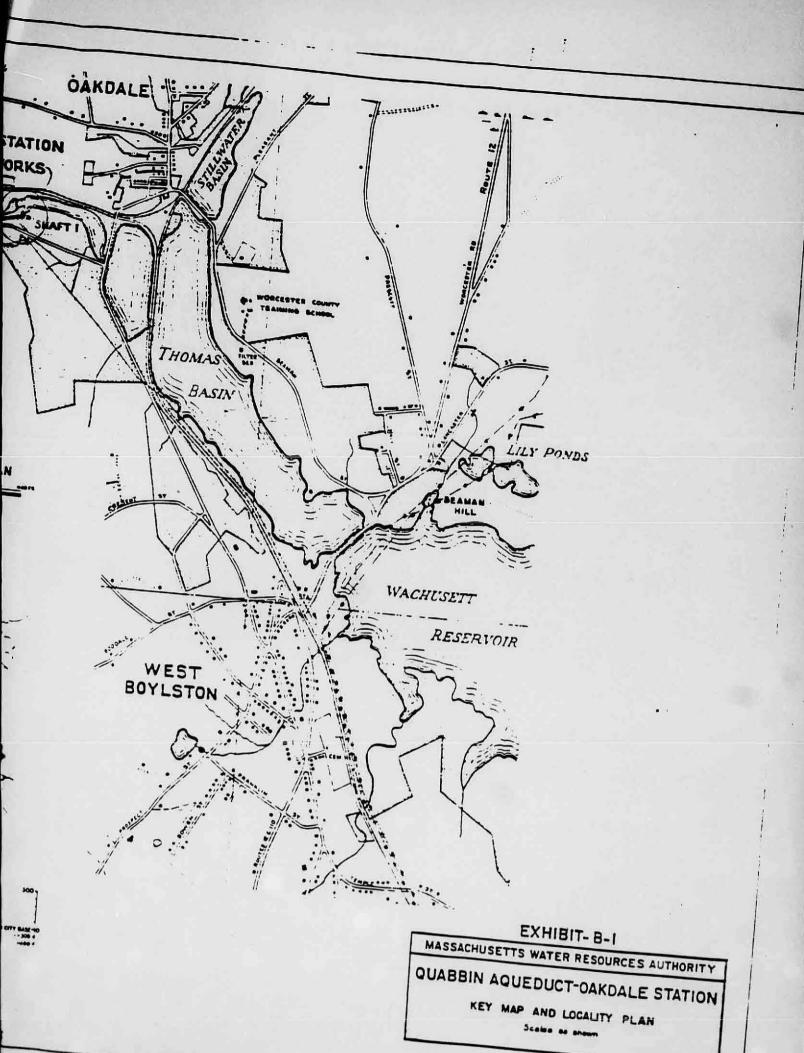
#### A.11 DAM CONSTRUCTION

The Oakdale Power Flant is a free standing structure on the Wachusett Reservoir and is not integral to any dam structure. Flow from the Quabbin Aqueduct through the Oakdale facility into the Wachusett Reservoir is a part of normal operation required by the MWRA/MDC. This flow would occur with or without the hydroelectric generation. The inclusion of the hydroelectric generation constitutes an alternative management choice while meeting the primary public water supply obligation of the MWRA/MDC.

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## E.1 ENVIRONMENTAL SETTING

## E.1.1 Project Facilities

The present environmental setting of the site is best described as a park-like setting, within the properties of the MWRA/MDC. adjacent to the Wachusett Reservoir. This is shown in Photo E-1. (Also, see Exhibit B.) The Oakdale facility was first constructed in 1931 as the outlet works of the Quabbin Aqueduct discharging water into the Wachusett Reservoir. The facility was converted into the present power plant in 1951 and houses the entire power generating works. The conversion did not alter the character of the original site.

## E.1.2 Vegetative Cover

The nearest private residences are more than one quarter mile from the site. As shown in Photo E-1, the facility is set in off the access road and is in a neavily forested area. This camourlaging as well as the reservoir abutting along the rear of the site affords privacy to both facility and its surrounding environment. The facility site is also landscaped and consists of mown grass and formal shrubs and trees.

## E.1.3 Fish and Wildlife Pesources

Although the Cakdale facility is located on the Wachusett

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Reservoir it utilizes the transfer flow from the Quabbin Reservoir through the aqueduct to generate power. The facility has been in operation since 1951 with negligible impact on fish and wildlife.

## E.1.4 Vater Quality and Quantity

The facility utilizes water that flows from Quabbin Reservoir through an aqueduct to the Wachusett Reservoir and does not alter the system's design flow pattern. Also, since this is an existing facility not requiring construction work on the waters of the Commonwealth, no involvement of the Division of Water Pollution Control concerning certification of water quality is necessary.

## E.1.5 Land. Water, and Recreational Use

This facility's scope is limited to the development of hydroelectric generating facilities at the immediate location of the site and is not designed to accommodate commercial. Industrial, residential, or recreational uses. Access to the site is limited to a single entrance off of Holden Street, approximately 1/8 mile distant.

## 5.1.6 Socioeconomic Conditions

The hydroelectricity developed at this facility has neither social nor aconomic impact on the surrounding area other than supplying jobs during operation.

DAK

# Historical and Archeological Resources This is an existing facility which does not require any work that would have an effect on any architectural or historical characteristics of the building.

#### E.1.2 Visual Resources

The power plant is completely located inside the existing building, with all piping buried. The switch yard is located so that it is partially screened from general view by existing trees.

#### E.2 EXPECTED ENVIRONMENTAL IMPACTS

There are no expected environmental impacts since this is an existing facility which does not require any additional construction work. Neither continuing nor discontinuing the operation of the facility's hydroelectric generation capacity would give rise to any environmental impact, except to the extent that discontinuance might result in further fossil fuel consumption.

#### 5.2.1 Operation

The Oakdale facility utilizes the water transfer flow between the Quabbin and Wachusett Reservoir through an aqueduct system and does not alter the original flow regime. No interference with water supply operation requirements of the HWRA occur as a result of the itilization of this transfer flow to generate power. Existing bypass ficilities ensure against interruptions as a result of scheduled or unscheduled outages of the power plant.

This is an existing facility which does not require any additional construction work.

#### E.3 ALTERNATIVE POWER SOURCES

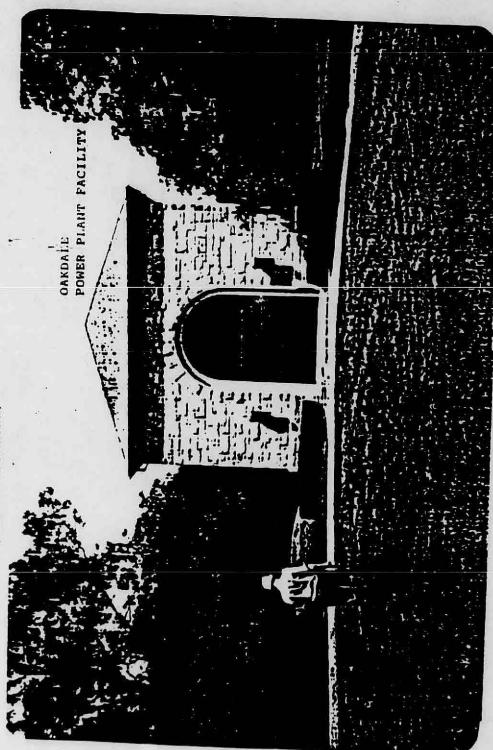
Power generated at the Oakdale Power Plant facility is sold under contract to the New England Power Company. It displaces power otherwise generated from fossil fuels.

#### E.4 AGENCY CONSULTATION

This is an existing facility not requiring a formal agency consultation process. The Applicant did contact the Hassachusetts Energy Facilities Siting Council. Which issued a notice stating that agency's non-involvement in the license exemption application for existing facilities. (See Exhibits E.2 and E.3)

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WACHUSETT RESERVOIR (BEHIND TREELINE)



**!** 

OAKDALE POWER PLANT

EXHIBIT E-1

March 7, 1988

Celia E. Strickler
Senior Staff Counsel. Environmental Law
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, MA 02129

Dear Ms. Strickler:

I am writing in response to your recent letter requesting clarification of the Siting Council's role in licensim; of hydroelectric facilities. In particular, you have remested clarification of the Siting Council's role in the case of an application which has been filed with the Federal Energy Regulatory Commission ("FERC") for an exemption from filing provisions for an existing hydroelectric facility.

G.L. c. 164, s. 69H1/2 provides that:

[The Siting Council] shall coordinate the permitting and licensing of hydropower generating facilities by simplifying requirements for permits and licenses.

Said council, after consultation with the permitting and licensing agencies, shall establish a preliminary notification form and other forms to be employed by such agencies for permitting and licensing review of proposed hydropower generating facilities.

The application for exemption from filing provisions riled by the Massachusetts Water Resources Authority ("MWRA") with PERC regards existing, rather than proposed, facilities. Accordingly, the provisions of G.L. c. 164, s. 69H1/2 do not apply to the application for exemption filed by the MWRA.

Furthermore, 980 C.M.R. 11.00, the regulations of the Siting Council which implement G.L. c. 164, s. 69H1/2, define a developer as:

any person, corporation, partnership, municipality, utility or other entity which is attempting to obtain the permits and licenses required prior to or for the construction or start-up of a hydropower generating facility.



The Commonwealth of Massachusetts

chael S. Dukakis

Sharon M. Pollard Tharperson Excretary or Energy Resources

James S. Hoyte Secretary of Environmental Atlairs

Joseph D. Alviani Secretary or Economic and Mandower Alfairs

Public Member

Jas

san Fallows Tierney routive Director Joseph W. Joyce Fublic Member Labor Stephen D. Umans Public Stember Electricity

Public Member

3.5 ...-per

Madeline Varitimos

Because the MWRA is not proposing to construct or start-up a hydropower generating facility, the MWRA is not a developer under 980 C.M.R. 11.00. Accordingly, the MWRA is not required under the provisions of 980 C.M.R. 11.00 to submit a preliminary notification form to the Siting Council with regard to the MWRA's application for exemption from FERC filing provisions for existing hydroelectric facilities.

If you have any further questions, please do not hesitate to contact me.

Very truly yours,

Robert W. Slapin

Robert D. Shapiro General Counsel



TO:

MEMO FOR RECORD

FROM:

Thomas S. Baron, Dir., Water Supply Dept., Waterworks Div.

DATE:

October 19, 1988

SUBJECT: FERC Comment Responses

This Memo shall consolidate the responses to comments received through the 2nd Round of Resource Agency Consultation for the Draft License Exemption Application for FERC Docket No. UL88-4 Oakdale Power Plant, West Boylston, MA. All agency responses are attached.

All resource Agencies who received copies of the Draft Application are Listed in the enclosed list and Record of Agencies Response (Appendix E-2). All agencies not responding in writing were contacted by telephone. Those call results are attached.

*		Date of Letter	Date Received
1.	Mr. Steve Davis Executive Office of Environmental Affairs Review Division,	9/6/88	9/14/88
	100 Cambridge St., Boston, MA 02202		
	COMMENT - No Adverse Co	oument	
2.	Catherine A. Morris Director	9/7/88	9/13/88
	Electric Power Division DPU		
	100 Cambridge St. Boston, MA 02202		
	COMMENT - No Comment		
i ka	Gilbert A. Bliss Executive Office of Envir. Affairs	9/19/88	9/22/88
	Dept. of Environmental Management		
	100 Cambridge St. Boston, MA 02202	a	
	COMMENT - No Comment		

9/19/88

Robert P. Madore
 Division of Fisheries
 and Wildlife
 Field Headquarters
 Westborough, MA 01581

9/21/88

#### COMMENT

1st Round/No Comment
2nd Round - Sec. E.1.3
Fish screens placed subsequent to 1981 will remain in place.

Sec. E.1.5

The limited prohibition area extends only 250 from the Outlet Building, 150 ft of which are fenced due to the outlet training walls, and were intended for the angler's safety near a turbulent "Standing hydraulic jump" which some non-nydro operations may produce. All other snore areas of some 15 miles of Wachusett Reservoir, except the Dam in Clinton, are open to shore fishing opportunities.

Mr. Ken Angel, Chairman 3/15/88
 West Boylston
 Conservation Commission
 West Boylston, MA 01583

9/20/88

<u>COMMENT</u> - If changes from Statement - Conservation Commission needs notice.

Mr. William P. Patterson 9/16/88
 Department of the Interior
 Regional Envir. Officer
 15 State Street
 Boston, MA 02109

9/20/88

RESPONSE - Mr. Patterson referred his agency responses to the
following agencies:

U.S. Fish and Wildlife Service 4th Floor, Ralph Pill Marketplace 22 Bridge Street, Jct 1-93 Concord, N.H. 03301-4901

National Park Service 143 South Third Street Philadelphia, PA 19106

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7. Gordon E. Beckett
United States Dept.
of Interior
Fish & Wildlife Service
400 Ralph Pill Marketplace
22 Bridge St.
Concord, N.H. 03301

RESPONSE - No adverse Comment - Fisheries and Wildlife resources described by Appendix E-3.

8. Robert F. Gift, Chief Environmental and Recreation Division Nationa Park Service 143 South Third Street Philadelphia, PA 19106

10/6/88

10/11/88

- RESPONSE
- All shore areas of some 15 miles of Wachusett Reservoir are presently accessible for pedestrian anglers, except that near the Oakdale Power Station, Shaft 1, which outlets the waters from Quabbin Reservoir and the area near the Wachusett Dam and Cosgrove Intake in Clinton there are areas restricted to mainstream public safety and protect these civil works as part of a Public Water Supply. This is consistent with a U.S. F&WS condition that:
- "1. The Exemptee shall permit access to the project area wherever possible to allow for public utilization of fish and wildlife resources, taking into consideration any necessary restrictions to maintain public safety and protect project civil works."
- 9. Deirdre Brotherson
  Preservation Planner
  Technical Serv. Division
  Mass. Historical Comm.
  80 Boylston St.
  Boston, MA 02116

10/3/88

10/7/88

COMMENT

No Adverse Comment

10 Dept. of the Army
New England Division
Corps of Engineers
424 Trapelo Road
Waltham, MA 02254

COMMENT - All project features and operations are extant and pre-dated Clean Water Act - No changes are anticipated by MDC or MWRA.

-4-



# The Commonwealth of Massachusetts Department of Public Utilities Leverett Saltonstall Building, Government Center

100 Cambridge Street, Boston 02202

September 7, 1988

Mr. William Brutsch Director, Waterworks Division Mass. Water Resource Authority Charlestown Navy Yard Boston, MA 02129

Dear Mr. Brutsch:

We have recieved your notification of application for exemption from licensing requirements for hydro facilities located in West Boylston and Clinton.

We do not intend to comment on the applications but will keep them on file for public information.

Sincerely,

Catherine A. Morris

Director

Electric Power Division

CAM/deb



MICHAEL S. DUKAKIS GOVERNOR JAMES S. HOYTE

SECRETARY

The Commonwealth of Massachusells Executive Office of Environmental Affairs

100 Cambridge Street

Boston, Massachuseits 02202

September 6, 1988

tile URKNIN TO Tom BARON

9-15-88

Mr. William Brutsch, Director Waterworks Division MA Water Resources Authority Charlestown Navy Yard 100 First Avenue Boston, MA 02129

Cosgrove Intake Power Plant, Clinton and Oakdale Power Plant, West Boylston

Dear Mr. Brutsch:

I have reviewed your notifications of filing with the Federal Energy Regulatory Commission dated August 30, 1988. Since both of these are existing projects and call for no new construction or operational changes, there are no actions which could be subject to the Massachusetts Environmental Policy Act. Therefore, no review by MEPA is required.

I wish you good fortune in exempting these two projects; they represent a beneficial use of the excess head available in parts of the MWRA system with no adverse environmental impact.

Sincerely,

Steven C. Davis

Assistant Secretary

Environmental Impact Review

SCD/sd



### United States Department of the Interior

OFFICE OF ENVIRONMENTAL PROJECT REVIEW
BOSTON FEDERAL OFFICE BUILDING
ROOM 1022
10 CAUSEWAY STREET
BOSTON. MASSACHUSETTS 02222—1035



September 16, 1988

William Brutsch
Waterworks Division
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, Massachusetts 02129

Dear Mr. Brutsch:

This is in reply to your letters dated September 7 regarding your draft Application for Exemption for the Cosgrove Intake Power Plant and the Oakdale Power Plant, MA.

To best address the concerns of this Department, it is suggested that you contact the following Interior offices.

U. S. Fish and Wildlife Service 4th Floor, Ralph Pill Marketplace 22 Bridge Street, Jct 1-93 Concord, NH 03301-4901 Tel: 603/225-1411

National Park Service 143 South Third Street Philadelphia, PA 19106 Tel: 215/597-3503

Sincerely,

William Patterson

Regional Environmental Officer



## Commonwealth of Massachuseus WATERWORKS Executive Office of Environmental Affairs Department of Environmental Management

100 Cambridge Street Boston Massachusetts 02202

September 19, 1988

Division of Forests & Parks

Massachusetts Water Resources Authority Charlestown Navy Yard 100 First Avenue Boston, MA 02129

Attn: - Thomas S. Baron

Dear Mr. Baron:

The Division of Forests and Parks has no comments on the exemption applications for these two small facilities; the Oakdale Power Plant, and the Cosgrove Plant in Clinton.

Very truly yours,

Gilbert A. Blis

Director of Forests & Parks

GAB/maf

Gilbert A. Bliss Director



Richard Cronin, Director

September 19, 1988

Mr. Thomas S. Baron
Director, Water Supply Department
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, MA 02129

RE: Application for Exemption for Small Conduit Hydroelectric Facility - Oakdale Power Plant West Boylston, MA

Dear Mr. Baron:

This letter is to acknowledge our receipt of Mr. William Brutsch's 30 August letter and packet of materials informing the Division of Fisheries and Wildlife of the above referenced project. We understand that this action constitutes the initial stage of consultation.

Please send all future correspondence to me at the Westborough Field Headquarters. Thank you for contacting the Division relative to this matter.

Robert P. Madore

Robert P. Madore Aquatic Biologist II

cc. MDFW - Central District



## Division of terworks Fisheries & Wildlife

Richard Cronin, Director

September 26, 1988

WATER SUPPLY THE SAME

Mr. Thomas S. Baron Director, Water Supply Department Massachusetts Water Resources Authority Charlestown Navy Yard 100 First Avenue Boston, MA 02129

RE: Draft Application for Exemption for Small Conduit Hydroelectric Facility - Oakdale Power Plant West Boylston, MA

Dear Mr. Baron:

The Division of Fisheries and Wildlife has completed its review of the material describing the above referenced project as requested in the September 7 letter from Mr. William Brutsch. We have two concerns with this project:

o up until August 1981 this facility had a history of turbine induced fish mortality (primarily to adult lake trout). The problem was alleviated at that time with the installation of screens over the turbine port entrance. Since we have not had reportings of lake trout mortalities or observed them via occasional field inspections, we presume the screens are still in place and functioning to prevent entrance of large salmonid fish into the turbine.

Our concern is that existing or similar measures for the prevention of turbine induced mortalities continue to be integral to the project. The MDFW requests that this subject be addressed under Section E.1.3, "Fish and Wildlife Resources".

o the Wachusett Reservoir, and the Oakdale area of the Thomas Basin in particular, attracts a considerable number of recreational anglers. Presently, there is an area or zone adjacent to the generating station where fishing is prohibited. The limited use of this area for fishing, present regulation of fishing at the reservoir, and any anticipated changes to such regulation should be included under Section E.1.5 "Land, Water, and Recreational Use".

Field Headquarters

Westborough, Massachusetts 01581 (617) 366-4470

An Agency of the Department of Fisheries, Wildlife & Environmental Law Enforcement

We would be glad to review any changes to the draft application particularly as they relate to these matters. If you have any questions or require additional input from this agency please do not hesitate to contact me.

Sincerely,

Robert P. Madore\_

Robert P. Madore Aquatic Biologist II

cc. Lee McLaughlin - MDFW



## The Conservation Commission

Town of West Boylston, Massachusetts 01583

September 15, 1988

**8** 

BRECA

Mass Water Resources Authority Charlestown Navy Yard 100 First Ave. Boston, MA 02129

.

RE: Letter of the Massachusetts Water Resources Authority

Dear Mr. Brutson:

Any alterations, changes of operating procedures or building changes other than those indicated in the statement of documentation to the West Boylston Conservation Commission must be sent to the West Boylston Conservation Commission prior to initiation of change. The West Boylston Conservation Commission requests to be informed of any encroachments to abutting wetlands prior to initiation of any work at the site.

Sincerely,

Atheniet . Chaptel

Kenneth C. Angell. Chairman West Boylston Conservation Comm.

KCA/pfb



#### United States Department of the Interior

#### FISH AND WILDLIFE SERVICE 400 RALPH PILL MARKETPLACE 22 BRIDGE STREET CONCORD, NEW HAMPSHIRE 05501-4901

Mr. William Brutsch
Director, Waterworks Division
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, Massachusetts 02129

SEP 2 62988

M2:33

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Dear Mr. Brutsch:

This responds to your request, dated August 30, 1988, for information on the presence of Federally listed and proposed endangered or threatened species in accordance with your application for exemption for the hydroelectric facility at the Oakdale Power Plant, West Boylston, Massachusetts.

Our review shows that except for occasional transient individuals, no Federally listed or proposed threatened and endangered species under our jurisdiction are known to exist in the project area. No Biological Assessment or further consultation is required with us under Section 7 of the Endangered Species Act. It appears that there will be no major construction activity above ground. However, should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered.

This response relates only to endangered species under our jurisdiction. It does not address other legislation or our responsibilities under the Fish and Wildlife Coordination Act.

A list of Federally designated endangered and threatened species in Massachusetts is inclosed for your information. Thank you for your cooperation and please contact Mr. Roger Hogan or Susi von Oettingen of this office at 603-225-1411 if we can be of further assistance.

Sincerely yours,

Inclosure

Gordon E. Beckett Supervisor New England Area

## FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

Common Name	Scientific Name	Status	Distribution
FISHES:			
Sturgeon, shortnose*	Acipenser brevirostrum	E	Connecticut River & Atlantic Coastal Waters
REPTILES:			
Turtle, green*	Chelonia mydas	T	Oceanic straggler in Southern New England
Turtle, hawksbill*	Eretmochelys imbricata	E	Oceanic straggler in Southern New England
Turtle, leatherback*	Dermochelys coriacea	E	Oceanic summer resident
Turtle, loggerhead*	Caretta caretta	T	Oceanic summer resident
Turtle, Atlantic ridley*	Lepidochelys kempii	E	Oceanic summer resident
Turtle, Plymouth red- bellied	Chrysemys rubriventris bangsi	. Е	Plymouth & Dukes Counties
BIRDS:	¥		
Eagle, bald	Haliaeetus leucocephalus	E	Entire state
Falcon, American peregrine	Falco peregrinus anatum	Е	Entire state-reestablish- ment to former breeding range in progress
Falcon, Arctic peregrine	Falco peregrinus tundrius	E	Entire state migratory-no nesting
Plover, Piping	Charadrius melodus	T	Entire state - nesting habitat
Roseate Tern	Sterna dougallii dougallii	E	Atlantic Coast
MAMMALS:			
Cougar, eastern	Felis concolor couquar	E	Entire state-may be extino
Whale, blue*	Balaenoptera musculus	E	Oceanic
Whale, finback*	Balaenoptera physalus	E	Oceanic
Whale, humpback*	Megaptera novaeangliae	E	Oceanić
Whale, right*	Eubalaena spp. (all species)	E	Oceanic
Whale, sei*	Balaenoptera borealis	E	Oceanic
Whale, sperm*	Physeter catodon	E	Oceanic
MOLLUSKS: NONE			
PLANTS:			
Small Whorled Pogonia	Isotria medeoloides	Е	Hampshire, Essex Hampden, Worcester Middlesex Counties
Gerardia, Sandplain	Agalinus acuta	**PE	Barnstable County

<sup>\*</sup> Except for sea turtle nesting habitat, principal responsiblity for these species is vested with the National Marine Fisheries Service

\*\* Potentially endangered

Rev. 1/25/88



DEPARTMENT OF THE ARMY

NEW ENGLAND DIVISION. CORPS OF ENGINEERS

424 TRAPELO ROAD

WALTHAM, MASSACHUSETTS 02254-9149
September 29, 1988

OCT -3 PII:10

HEPLY TO ATTENTION OF

Planning Division Basin Management Branch

Thomas S. Baron
Director, Water Supply Department
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, Massachusetts 02129

RE: OAKDALE POWER PLANT, WEST BOYLSTON, MA

Dear Mr. Baron:

Reference is made to your letter of August 30, 1988 which requested we review your application for an exemption for a small conduit hydroelectric facility at the end of the Quabbin Pressure Aqueduct on the Wachusett Reservoir in the Town of West Boylston, Worcester County, Massachusetts. The application has received a cursory review and we offer the following comments.

In the preparation of the proposed project's environmental documents, all environmental resources should be completely analyzed for all impacts of construction and operation, including the transmission lines, cofferdams, and access roads or other project-related structures or equipment. Environmental resources analyzed should include, but not be limited to, terrestrial and aquatic habitats and associated biota, land and water use, wetlands, recreation, air and noise quality, water quality and quantity, threatened and endangered species, species of ecological significance, aesthetics, historical or archaeological sites. All mitigation measures should also be discussed in detail.

Projects for hydroelectric power generating facilities require a Department of Army permit under Section 404 of the Clean Water Act. You may contact the Regulatory Branch (ATTN: CENED-OD-R) of the New England Division to receive information on the Section 404 permit procedures. The toll free telephone number in Massachusetts is 1-800-362-4367.

Although we have no further comments at this time concerning the proposed project, we reserve the right to make additional comments as necessary when the Federal Energy Regulatory Commission requests a formal agency review of the license application.

Sincerely,

Joseph E. Ignazio

Chief, Planning Division



October 3, 1988

Willilam Brutsch, Director
Waterworks Division
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, MA 02129

RE: Small Conduit Hydroelectric Facility Oakdale Power Plant, West Boylston, MA

Dear Mr. Brutsch:

The staff of the Massachusetts Historical Commission have reviewed the information you submitted regarding the above referenced project. A review of the Inventory of Historic and Archaeological Assets of the Commonwealth indicates that there are no known or recorded historic structures or archaeological sites witin the project location.

These comments are offered to assist in compliance with M.G.L. Chapter 9, ss 26-27c as amended by Chapter 152 of the Acts of 1983 (950 CMR 71.00).

If you have any questions, please feel free to contact me.

Sincerely,

PRIVILL

Deirdre Brotherson Preservation Planner

Technical Services Division

Massachusetts Historical Commission

DB/di

Massachusetts Historical Commission, Valerie A. Talmage, Executive Director, State Historic Preservation Officer 80 Boylston Street, Boston, Massachusetts 02116 (617) 727-8470

Office of the Secretary of State, Michael J. Connolly, Secretary



## United States Department of the Interior

#### NATIONAL PARK SERVICE

MID-ATLANTIC REGION 143 SOUTH THIRD STREET PHILADELPHIA, PA. 19106

October 6, 1988

L74 (MAR-PD)



Mr. William Brutsch
Waterworks Division
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, Massachusetts 02129

Dear Mr. Brutsch:

This is in response to your request for comments on the draft application for Exemption, Oakdale small conduit hydroelectric project, Wachusett Reservoir, Town of West Boylston, Worcester County, Massachusetts.

We recommend that an assessment be made of the possibility of providing public access within project boundaries for recreational purposes. The assessment should be undertaken in consultation with the State Liaison Officer (SLO), regional officials, and local community groups and agencies concerned with providing opportunities for public recreation, and should include consideration of recreation needs and priorities identified in the Statewide Comprehensive Outdoor Recreation Plan. The SLO for Massachusetts is James S. Hoyte, Secretary of Environmental Affairs, 100 Cambridge Street, Boston, Massachusetts 02202, telephone (617) 727-9800.

Sincerely,

Robert F. Gift, Chief

Environment and Recreation

Moder & DAV

Assistance Division



### United States Department of the Interior

#### FISH AND WILDLIFE SERVICE 400 RALPH PILL MARKETPLACE 22 BRIDGE STREET CONCORD, NEW HAMPSHIRE 03301-4901



Mr. William Brutsch, Waterwork Div. Mass. Water Resources Authority Charlestown Navy Yard 100 First Avenue Boston, MA 02129

JCT 7 1988

Dear Mr. Brutsch:

This is in response to your request for our comments on the application for exemption for a small conduit hydroelectric facility - Oakdale Power Plant, located in West Boylston, Massachusetts. Our comments are provided in accordance with the Fish and Wildlife Coordination Act (48 Stat. as amended; 16 U.S.C. 661 et seq.).

The project would utilize the transfer flow and differential head between the Quabbin and Wachusett Reservoirs. We recognize that it is an existing facility and that flow from the Quabbin Aqueduct through the Oakdale facility into the Wachusett Reservoir is part of the normal operation required by the Massachusetts Water Resources Authority.

We have reviewed your initial stage consultation materials, and the information that you submitted as part of the second stage of consultation. The Exhibit E of your draft application is incomplete. You need to provide a description of the fishery resources found in the Quabbin and Wachusett Reservoirs, as well as a description of wildlife resources in the project area. Also, you need to describe the measures that have been implemented at the Oakdale Power Station to minimize impacts to fish (i.e., screening in the tailrace, fish passage facilities).

Because of the nature of the proposed project, it is not necessary for the Fish and Wildlife Service to prescribe a minimum flow release from the project to protect fish and wildlife resources. However, in order to prevent the loss of or damage to fish and wildlife resources as a result of project construction and operation, the Fish and Wildlife Service will prescribe the following terms and conditions for incorporation in their entirety in the exemption pursuant to Section 30(c) of the Federal Power Act and Section 408 of the Energy Security Act. These are our preliminary terms and conditions and we will finalize them once we have reviewed the additional information that should be included as part of your Exhibit E.

 The Exemptee shall permit access to the project area wherever possible to allow for public utilization of fish and wildlife resources, taking into consideration any necessary restrictions to maintain public safety and protect project civil works.

- 2. The Fish and Wildlife Service shall be allowed to inspect the project area at any time while the project operates under an exemption from licensing to monitor compliance with their terms and conditions and to investigate reported adverse impacts to fish and wildlife resources associated with project operation.
- If, as a result of project construction or operation, adverse impacts to fish and wildlife resources of the area occur, project construction or operation will cease until the situation is correct, or if not immediately corrected, project construction or operation will resume only after a recommendation to do so by the U.S. Fish and Wildlife Service.
- The Fish and Wildlife Service is reserved the right to add and alter terms and conditions as appropriate to carry out its responsibilities during the life of the project with respect to fish and wildlife resources. The Exemptee shall, within thirty (30) days of receipt, file with the Commission any additional terms and conditions imposed by the above agency.
- The Exemptee shall incorporate the aforementioned fish and wildlife conditions in any conveyance - by lease, sale or otherwise - of his interests so as to legally assure compliance with said conditions for as long as the project operates under an exemption from licensing.

We will provide additional comments after our review of the information that we have requested under the first stage of consultation. If you have any questions, please contact Joseph F. McKeon at (603) 225-1411.

Sincerely yours,

for Gordon E. Beckett

Supervisor

New England Area

CC: RO/FWE Reading File EPA, Boston

EPA, Bosto FERC, OHL FERC, DEA

FWE: JMcKeon:jd:10-7-88:834-4411

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In response to inventory of terrestial and aquatic resource listings, this appendix has been attached. It was produced during a larger study involved with source augmentation of the existing water supply system and is not targeted to the specific Hydropower issues of this application. The extant Hydropower operations depicted in this excemption application are, however, integral parts of the large context within which the Public Water Supply System of the Boston Metropolitan area functions. The fish and wildlife resources depicted by this exempted portion of the study\* show the extent to which this agency's concern has been directed by all potentially impacting projects upon the resources in our charge.

\*Task 7: Watershed Management Assessment Report, Submitted to: Metropolitan District Commission by: Wallace, Floyd, Associates Inc., July, 1985

060

7.22 WATER QUALITY OF QUABBIN, WACHUSETT AND SUDBURY RESERVOIRS

#### 7.22.1 Baseline Conditions

I. Existing Conditions. The baseline conditions for this alternative have been defined to be the vegetative conditions on MDC watersheds in the period 1976-1980. Thus, the baseline water quality conditions under this alternative are the water quality conditions in Quabbin and Wachusett Reservoirs in the same period. This baseline is the baseline described under Section 4.22, Water Quality of Reservoirs (see Task 4. No Action Assessment Report). With respect to the Sudbury Reservoir, the baseline is described under Task 9. Upper Sudbury Watershed Assessment Report (see Section 9.22.1).

II. Future Conditions Without Alternative. Future conditions are those described in <u>Task 4. No Action</u> Assessment Report.

#### 7.22.2 Future Conditions With Alternative

Impacts of this alternative are direct with respect to tributary streams (Section 7.21) and only indirect on Quabbin and Wachusett Reservoirs - i.e., impacts on these reservoirs must result from impacts on the tributary streams.

The residence time of tributary waters in the reservoirs is very long (months to years). For example, for a Quabbin Reservoir watershed yield of approximately 200 MGD it would take about six years of watershed runoff to equal the volume of Quabbin Reservoir. Natural purification processes in lacustrine systems (including physical, chemical and biological transformation processes) typically can occur in periods of time ranging from hours to weeks (Wetzel, 1975; Odum, 1971). Also, the dilution potential of the reservoirs is very high with respect to inputted tributary waters. As an example, in the highly improbably event that the entire watershed delivered water with a turbidity of 10 NTU for a full month (30 days), the dilution potential of the water mass in Quabbin Reservoir would result in the turbidity remaining within drinking water standards (less than 1 NTU) at the Shaft 12 intake to the distribution system (Wachusett Reservoir would also provide dilution treatment). Physical and chemical changes in the reservoir would purify the runoff even further. As discussed in Section 7.21, the impacts of this alternative on water quality parameters (e.g., coliform bacteria, turbidity, color, organic chemicals) are expected to be insignificant. Also, the minor changes in water quality parameters which may occur in the tributaries will

nonetheless be subject to the natural purification processes and dilution potential of the reservoirs. A highly conservative estimate would be that even a several hundred percent (300-500 percent) increase in the concentration of water quality constituents in the tributary streams would not have any measurable impact on the water quality at a mid-reservoir point in either Quabbin or Wachusett Reservoir. Thus, it is highly improbable that the expected minor changes in water quality in the tributary streams (±50%) will result in any measurable changes in the reservoirs.

#### 7.22.3 Significant Impacts

- I. Measures of Significance. Measures of significance are as discussed in Section 7.21.
- II. Significant Impacts. There will be no significant impacts of this alternative on water quality in the reservoirs.

#### 7.22.4 Mitigation and Enhancement

In the absence of significant impacts on water quality in the reservoirs, no recommendations for mitigation or enhancement are made. 

#### 7.31 AQUATIC ECOLOGY OF TRIBUTARIES

#### 7.31.1 Baseline Conditions

- I. Existing Conditions. The following section focuses on the aquatic ecology of the tributaries. Discussions of baseline conditions and the assessment of impacts are based on data available in the published literature and on limited field surveys.
- Macroinvertebrates and Fish. Macroinvertebrate population densities in the tributaries are moderate (i.e., approximately 150 to 1000 organisms/ft2). Highest densities were observed in the East Branch of Fever Brook (963 organisms/ft2). Lowest densities were observed in the East Branch of the Swift River (148 organisms/ft2) and in Prescott Brook (212 organisms/ft2). All of the tributaries examined support a relatively high diversity of macroinvertebrate species. Major taxa include the Oligochaeta, Diptera, Trichoptera, and Ephemeroptera. The largest species diversity was observed in the East Branch of Fever Brook and the Ware River. Species observed in these tributaries represent at least 13 major taxa. Table 7.31-1 summarizes data on macroinvertebrate species from aquatic surveys conducted in 1982. The numbers and diversity of macroinvertebrates, as well as the relatively high water quality, (Section 7.21) can support diverse fish populations in the tributaries.
- Other Biota. Relatively little seasonal data are available on phytoplankton and zooplanktonic populations in the tributaries. Limited field studies conducted in 1982 indicate that major taxa of phytoplankton include pennate diatoms and coccoid green algae. Pennate diatoms predominate. This is characteristic of relatively high quality lotic waters. Population densities for phytoplankton are relatively low (i.e., less than 50,000 cells/liter) and, again, are indicative of relatively high water quality.

Zooplanktonic populations are typically low within the examined tributaries (i.e., less than 15 organisms/liter). The major taxon in the tributaries was the Cladocera. Low population densities in these waters may reflect the phenomenon of "drift" in periods of relatively high flow. No threatened or

BENTHIC ORGANISMS	Number of Organisms / ift <sup>2</sup>							
	East Branch Swift 8/18/82	Middle Branch Swift 8/18/82	East Branch Fever 8/18/82	Cadwell Creek 8/18/82				
Nematoda		4	24	28				
Coelenterata	4	Į.	4	4				
Oligochaeta	32	304	108	160				
Hirudinea			4					
Cladocera			120					
Copepoda			24					
Ostracoda								
Ampliipoda	4		412					
Isopoda			20					
Diptera		32	19	348				
Turbellaria	44	12	4					
Hydracarina				4				
Gastropoda			4					
Pelecypoda (Bivalvia)		12	28	16				
Trichoptera	.60	84	72	44				
Other	4	32	120					
Total Benthic Organisms	c Organisms 148 480 963		963	604				

Table 7.31-1

Benthic Organisms. (New England Research, Inc.)

67

endangered or otherwise protected aquatic species have been observed or reported in these tributaries.

Tables 7.31-2 and 7.31-3 summarize data on phytoplanktonic and zooplanktonic populations generated from aquatic surveys conducted in August 1982.

II. Future Conditions Without Alternative. As discussed in Section 7.21-1, it is highly unlikely that there will be significant changes in water quality in the period 1990-2020 except for the possible additional acidification of waters due to acid precipitation. How acid precipitation affects all trophic levels in an aquatic ecosystem is currently unknown in any great detail. However, it may be expected that long-term exposure to acid precipitation will result in decreased population densities and diversity. Severe acidification of waters over long periods of time has been associated with the total disappearance of fish populations (Linthurst et al., 1983). Also, it is possible that acid precipitation has already affected some fish populations within the tributaries (personal communication, Massachusetts Division of Fisheries and Game). However, it should be noted that no definitive study has been conducted which proves beyond doubt that there is a direct cause-effect relationship between acid deposition and population densities of fish species in the Quabbin tributary waters. Finally, it should be noted that vegetative cover in the vicinity of tributary streams effectively shades streams and thereby tends to inhibit the development of algae and associated color. Changes in vegetative cover (Section 7.31.2) may lessen this inhibition affect, but the degree or consequences of such changes cannot be predicted.

#### 7.31.2 Future Conditions With Alternative

Indicator species selected for this proposed alternative are based on a previously submitted technical report (NER and NAI, 1963); see Tables 7.31-4 and 7.31-5. These species include 4 species of finfish, 4 species of macroinvertebrates, 2 taxa of phytoplankton, and 1 taxon of zooplankton. These species represent a range of habitat requirements, ecological niches, and tolerances, and could therefore reasonably be expected to reflect major types of potential impacts. Potential impacts include (1) change in water quality, (2) increase in water quantity, (3) habitat loss and/or change, and (4) displacement or disruption. Table 7.31-6 summarizes indicator species considered under this alternative, including general information on trophic levels and tolerance ranges (see Task 7: Watershed Management Alternative, Technical Appendix on Water Quality

Table 7.31-2 Summary of Data on Phytoplanktonic Populations in Tributary Streams.

Phytoplanktonic Groups	East Branch of Swift River	Middle Branch of Swift River	East Branch of Fever Brook	Cadwell Creek	Prescott Brook	Ware River	Stillwater River	
Flagellated Greens								
Filamentous Greens		1	1	1		1		
Coccoid Greens	11	3	1		7	3	1	
Desmids	3				1		1	
Other Greens								
Filamentous Blue Greens								
Coccoid Blue Greens								
Pennate Diatoms	33	25	5	1	5	16	7	
Centric Diatoms		1		1	3	1		
Dinoflagellates								
Golden Brown Flagellates		1			1			 
Total	47	31	7	3	17	21	9	

All data from field surveys conducted in August 1982. Units are in. cells/ml. (New England Research, Inc.)

Table 7.31-3 Summary of Data on Zooplanktonic Populations in Tributary Streams.

Zooplanktonic Groups	East Branch of Swift River	Middle Branch of Swift River	East Branch of Fever Brook	Cadwell Creek	Brook	Ware River (shaft 8)	Stillwater, River	
Rotifera				3.7			3.7	
Copepoda	1.9	1.9						
Cladocera	9.3	1.9	9.3	1.9			3.7	
Others	1.91			5.62				
Total	13.1	3.8	9.3	11.2	0	0	7.4	

<sup>1</sup> Ephemeroptera nymph

All data from field surveys conducted in August 1982. Units are organisms/liter. (New England Research, Inc.)

<sup>2</sup> Diptera

# TABLE 7.31-4: INDICATOR SPECIES

Vegetation .	Scientific Name	Habitat Type	Trophic Level		
Red Oak	Quercus rubra	forest land open land	primary producer		
Pale Green Orchid	Plantanthera flava -	wetland forest land open water	primary producer		
<u>Herptile</u>					
Eastern Spadefoot Toad	Scaphiopus holbrooki holbrooki	wetland open land open water	primary carnivore		
Blanding's Turtle	Emydoidea blandingi	wetland open water	primary carnivore		
Birds					
Bald Eagle	Haliaeetus Leucoce- phalus	open land open water	detritivore* higher order carnivore		
Osprey	Pandion haliaetus	open water	higher order carnivore		
Red-shouldered Hawk	Buteo lineotus	forest land wetland open water	primary carnivore higher order carnivore		
Barred Owl	Strix varia	forest land wetland	primary carnivore higher order carnivore		
Common Loon	Gavia immer	open water	primary carnivore higher order carnivore		
Green-backed Heron	Butorides striatus	wetland open water	primary carnivore higher order carnivore		
Spotted Sandpiper	Actitis macularia	wetland open water	primary carnivore higher order carnivore		
American Bittern	Botaurus lentiginosus	wetland	primary carnivore		
		open water	higher order carnivore		

<sup>\*</sup>Scavengers on old carrion and dead fish.

Birds (Cont'd)	Scientific Name	Habitat Type	Trophic Level			
Virginia kail	Rallus limicola	wetland open water	herbivore primary carnivore			
Marsh Wren .	Clistothorus palustris	wetland	primary carnivore			
Swamp Sparrow	Melospiza georgiana	wetland openland	primary carnivore herbivore			
Tree Swallow	Tachycineta bicolor	open water wetland open land	herbivore primary carnivore			
Louisiana Waterthrush	Seiurus motacilla	open water wetland	primary carnivore			
Pileated Woodpecker	- Dryocopus pileatus	forest land	herbivore primary carnivore			
Mammals						
New England Cottontail	Sylvilagus transitionalis	open land forest land	herbivore			
Red Fox	Vulpes vulpes fulva	forest land wetland open land	higher order carnivore detritivore* herbivore primary carnivore			
Finfish						
Redbreast Sunfish	Lepomis auritus	open water	primary carnivore higher order carnivore			
Atlantic Salmon	Salmo salar	open water	primary carnivore higher order carnivore			
Sea Lamprey	Petromyzon marinus	open water	higher order carnivore			
Macroinvertebrate						
Inverted Floater	Alasmidonta heterodon	open water	detritivore herbivore primary carnivore higher order carnivore			
		160				

<sup>\*</sup>Scavenger on carrion.

	Scientific Name	Habitat Type	Trophic Level
Macroinvertebrate (Cont'	<u>d)</u>		
Several Common Names	Lampsilis cariosa	open water	detritivore herbivore primary carnivore higher order carnivore
Population B Scud	Crangonyx pseudogracilis	open water	detritivore herbivore
Phytoplankton			
Diatoms	Pennales	open water	primary producers
Zooplankton			
Water Fleas	Cladocera	open water	detritivore herbivore
			primary carnivore

TABLE 7.31-5: AQUATIC INDICATOR SPECIES

Trophic Level	Habitat Type								
	Open Water	Forest Land	Wetland	Open Land					
Detritivore	Inverted Floater Population B Scud Lampsilis cariosa Water Fleas	Not Applicable	Not Applicable	Not Applicable					
	<b>-</b> 2 -								
Primary Producer	Diatoms	Not Applicable	Not Applicable	Not Applicable					
Herbivore	Inverted Floater Population B Scud Lampsilis cariosa Water Fleas	Not Applicable	Not Applicable	Not Applicable					
Primary Carnivore	Redbreast Sunfish Atlantic Salmon Inverted Floater Lampsilis cariosa Water Fleas	Not Applicable	Not Applicable	Not Applicable					
Higher Order Carnivore	Redbreast Sunfish Atlantic Salmon Sea Lamprey Inverted Floater Lampsilis cariosa	Not Applicable	Not Applicable	Not Applicable					

Table 7.31-6 Summary of Information on Indicator Species taken from Report of NER and NAI ( June 13, 1983).

## Type of Environment

### Comments on Species

Aquatic

Indicator species included phytoplankton (2 groups), zooplankton (1 genus), macroinvertebrates (3 species), and finfish(3 species). These organisms represent 5 trophic levels and 1 type of habitat. Tolerance spectrum of aquatic species included: tolerant; moderately tolerant; intolerant.

Aquatic

Potential impacts which can affect indicator species include the following: erosion; decline in water quality; habitat loss/change; displacement/disruption; vegetation composition change.

and Ecology, Section 7.4, Indicator Species) for details on habitat requirements and environmental tolerances).

Changes in water quality as a result of this alternative are expected to be insignificant (see Section 7.21) or, as in the case or localized decreases in the shading effect on tributaries (see Section 7.31.1, II), cannot be predicted. Water quantity will increase slightly (see Section 7.11); however, the increase in water quantity will not significantly affect the habitat of aquatic indicator species. Finally, there will be no direct displacement or disruption of indicator species as a result of this alternative.

Table 7.33-11 summarizes the impacts of expected changes in water quality and water quantity on the habitat and tolerance ranges of the indicator species.

## 7.31.3 Significant Impacts

I. Measures of Significance. Measures of significance include the probability of impact, the duration (or time-frame) of impact and the magnitude of impact. For purposes of this assessment it is necessary to consider this measure with respect to the four types of impacts identified in Section 7.31.2. This assessment is also guided by consideration of whether or not impacts on individual indicator species will result in long-term changes in the community and/or trophic structure of the aquatic ecology of the tributaries.

II. Significant Impacts. There will be no measurable or ecologically significant impact of the proposed alternative on the aquatic ecology of the tributaries. Both the magnitudes and the time-frames of changes in the streams are too small to be significant (see Section 7.21).

## 7.31.4 Mitigation/Enhancement Measures

In the absence of any significantly adverse or beneficial impact of the proposed alternative on the aquatic ecology of the tributaries, no mitigation or enhancement measures are recommended.

7.32 AQUATIC ECOLOGY OF QUABBIN, WACHUSETT AND SUBBURY RESERVOIRS

### 7.32.1 Baseline Conditions

- I. Existing Conditions. The baseline conditions under this alternative are precisely the conditions discussed in Section 4.22, Task 4: No Action Assessment Report and (in the case of Sudbury Reservoir), the baseline conditions of Task 9: Upper Sudbury Watershed Assessment Report.
- II. Future Conditions Without Alternative. See Sections
  4.30 of the Task 4: No Action Assessment Report and Section
  9.30 of the Task 9. Upper Sudbury Watershed Assessment
  Report.

### 7.32.2 Future Conditions With Alternative

Indicator species were selected and assessed (see Task 7: Watershed Management Technical Appendix, Section 7.5.4). While this alternative will cause relatively minor changes in the tributaries, it is highly improbable that such changes will result in any measurable impacts on indicator species in the reservoirs. This is because of the following reasons:

- There will be minor changes in water quality in the reservoirs (Section 7.22).
- There will be minor changes in quantity of water in the reservoirs (Section 7.22).
- There will be no direct effects on habitat or disruptions of aquatic biota due to the forest management activities involved in implementing the Watershed Management Alternative.
- Large, mature lacustrine systems tend to have high ecological stability (Odum, 1971).

Thus the aquatic ecosystems of the reservoirs will experience few, if any, readily measurable changes from this alternative.

## 7.32.3 Significant Impacts

I. Measures of Significance. See Section 7.21.

II. Significant Impacts. There will be no measurable or ecologically significant impact of the proposed alternative on the aquatic ecology of the reservoirs.

## 7.32.4 Mitigation/Enhancement Measures.

In the absence of any significantly adverse or beneficial impact of the proposed alternative on the aquatic ecology of the reservoirs, no mitigation or enhancement measures are recommended.

7.33 TERRESTRIAL ECOLOGY OF QUABBIN, WACHUSETT AND WARE RIVER WATERSHEDS

## 7.33.1 Baseline Conditions

### I. Existing Conditions

Habitat. Flora and Fauna. Habitat, flora and fauna are key components of terrestrial ecosystems. The assessment of this alternative required extensive field studies of terrestrial habitat types and flora and fauna in addition to a review of the existing literature. These studies included an autumn survey for rare plants and a winter survey for animal tracks (Phase I), as well as spring and summer surveys of habitats, flora and fauna (see Task 7: Watershed Management Technical Appendix (WMTA), Section 7.3.2).

Prior to actual surveys, transects were located on U.S. Geological Survey topographic quadrangle maps of each watershed. Location of transects ensured a broad covereage of each watershed (see WMTA, pgs. 257-259). In the Quabbin Reservoir watershed, 77 transects were selected, covering a total length of approximately 24 miles; in the Wachusett Reservoir watershed, 12 transects were selected, covering a total length of approximately 6 miles; in the Ware River watershed, 45 transects were selected, covering a total length of approximately 20 miles. Additional information on the surveys is found in Table 7.33-1.

Each transect was traversed and described with respect to vegetative communities, habitat characteristics, wildlife signs and human use. Table 7.33-2 summarizes the types of information collected during these surveys. Data collected along the 134 transects covering approximately 50 miles are included in the WMTA, Section 7.3.2.

- Threatened and Endangered Species. Throughout the field studies, particular attention was given to the identification of any threatened or endangered species. No threatened or endangered plant or animal species were observed in any of the field studies. However, a number of terrestrial species which are protected under the Massachusetts general laws were observed. These protected species include the following:
  - Quabbin Reservoir Watershed
    - a variety of orchids (rattlesnake plantain, moccasin flower, long bracted orchid)

Table 7.33-1. Summary of Terrestrial Ecological Surveys of MDC Watersheds

(Phase I Study) 1  established in the 3 MDC watersheds. Surveys we presence of rare plants and animals in the wate No rare plants or animals were observed in the  December 1980 to  January 1981  (Phase I Study) 1  Signs of common animal signs, including animal trace Signs of common animal species were observed. No frare or endangered species were observed.  May 1982  Surveys included approximately 50 miles in 133	Summary Comments
A MARKET SHEET CONTROL OF THE CONTRO	Surveys included approximately 50 miles in 129 routes established in the 3 MDC watersheds. Surveys were for presence of rare plants and animals in the watersheds. No rare plants or animals were observed in the surveys.
January 1981	Winter field surveys were made on the 3 MDC watersheds to look for animal signs, including animal tracks. Signs of common animal species were observed. No signs of rare or endangered species were observed.
May 1982 -2 -2 (Phase II Study) <sup>2</sup>	Surveys included approximately 50 miles in 133 routes in the 3 watersheds. Same routes/transects as in Phase I Study. Protected plant species (e.g., wild orchids,

July 1982 (Phase II Study)<sup>3</sup> Surveys included approximately 50 miles in 135 routes in the 3 watersheds. Same routes/transects as in previous surveys. Protected plant species (e.g., wild orchids) were observed. Signs of common animals were observed.

mayflower, wild azaleas) were observed. Signs of common

animals observed.

<sup>1</sup> Information summarized from Phase I Report on autumn and winter surveys (NER, April 30,1981.)

<sup>2</sup> Information summarized from report on spring 1982 terrestrial ecological field survey (NER, May 1982).

<sup>3</sup> Information summarized from report on summer 1982 terrestrial ecological field survey (NER, July 1982).

Table 7.33-2. Type of Information Collected Along Terrestrial Transects.

### VEGETATIVE COMMUNITIES

#### Category

Softwood Forest

Softwood/Hardwood Forest Hardwood/Softwood Forest Shrubland

Grassland Plantation

% Cover Overstory % Cover Understory

## Criteria/Examples

80% or more hemlock, larch, pine, spruce
80% or more ash, beech, birch, cherry,
maple, oak
mixture S and H, S predominant
mixture H and S, H predominant
alder, blueberry, laurel, meadowsweet, sumac,
willow
fern, grass, rush, sedge, wildflower
pine, spruce

low 30-80% high 81-100% high 81-100%

## HABITAT CHARACTERISTICS

### Type

Barren Land Open Water Open Land Forest Land Wetland Recreation Land

Edge/Interspersion within 10-20 meters

## Examples

road, parking lot, bare rock/soil reservoir, pond, river old field, r-o-w, shrub, cropland H, S, HS, SH, plantation wet meadow, marsh, swamp, bog boat ramps, picnic areas, fishing areas, park areas

low(1-2 types) high(3 or more types)

# • Food Cuttings/Caches

- · Claw Marks
- Tracts, Trails, Tunnels

#### WILDLIFE SIGNS

- · Nests, Dens, Burrows
- Scats/Pellets
- · Other: e.g., songs, calls, etc.

### HUMAN USE

- Timber Stand Improvement
- R-0-W Transmission Line
   Maintenance
- Agricultural Production
- Other

\*See Technical Appendices for actual data and information collected.

- azalea (swamp pink)
- 2. Wachusett Reservoir Watershed
  - orchid (moccasin flower)
- 3. Ware River Watershed
  - a variety of orchids (rattlesnake plantain, moccasin flower, purple fringed orchid)
  - azalea (swamp pink, Rhodora)
  - mayflower

In addition to the field surveys, the literature on threatened and endangered species was consulted. The U.S. Fish and Wildlife Service (1979) notes that few federally listed endangered species of plants or wildlife are resident in the state. However, FWS also notes that several are occasional visitors, including the bald eagle, peregrine falcon and Indiana bat. Other protected species (e.g., "state rare", "restricted", etc.) have been identified by Smith (1983). Some of these species may occur within the Quabbin watershed.

- II. Future Conditions Without Alternative. A comparison of basic habitat types under the No Action and Watershed Management Alternatives is included in Table 7.33-3. The baseline conversions can be expected to result in several changes in the terrestrial ecology of the watersheds including:
  - an increase in the interspersion of habitat types and thus an increase in ecotone (edge) within the three watersheds;
  - 2. an increase in sunlight penetration to forested soils:
  - a decrease in structural barriers to the movement of large mammals and certain bird populations;
  - a decrease in total vegetative biomass.

It can reasonably be expected that these changes will, in turn, result in additional changes in the faunal communities in the three watersheds. The conversion of dense forest to low density forest will provide excellent feeding and nesting habitat for a variety of bird populations. The increase in sunlight penetration to the forest floor will enhance the productivity of herbs, forbs and shrubs and, consequently, their value as habitat and/or

TABLE 7.33-3: Vegetative Areas in MDC Watersheds in 2020 under No Action and Watershed Management Alternatives

					i i	lachusett	Watershee	1	Wa	are River	Watershe	<u>d</u>
	Quabbin Watershed				W			Acı	res	Z of	Total	
	Acres		Z of Total		Act	Acres		Z of Total			No	Wate
No Actio		Water Mgmt	No Action	Water Mgmt	No Action	Water Mgmt	No Action	Water Mgmt	No Action	Water Mgmt	Action	Mgmt
Cover Type							1					
Softwood Forest:	1	class	15.5	1.1	1,260	100	26.0	2.1	4,247	200	23.6	1.
High Density	7,268	500			0	361	0	7.4	0	907	0	5.
Medium Density	0	5,676	0	12.1	U				1 061	3,401	7.0	18.
Low Density	7,429	5,521	15.8	11.7	419	718	8.6	14.8	1,261	3,401		51150
Hardwood Forest:									0.256	200	46.4	1
High Density	12,725	500	27.1	1.1	1,597	1.00	32.9	2.1	8,356			
	0	10,752	0	22.9	0	538	0	11.1	, 0	6,301	0	35
Medium Density				41.5	1,221	2,180	25.2	44.9	3,422	5,277	19.0	29
Low Density	19,042	19,515	40.5	41.7	.,26.				0	0	-	-
Very Low Density	0	1,000		2.1	0	0				0		
Grass/Shrub.										650	3.6	3
	363	363	0.8	0.8	42	42	0.9	0.9	658	658	5.0	
High Density				4	250	750	5.1	15.4	0	1,000		5
Low Density	0	3,000		6.4				21 (4)	65	65	0.4	0
Stone Mulch	173	173	. 0.4	0.4	61	61	1.3	1.3		•		
TOTAL	47,000	47,000	100.0	100.0	4,850	4,850	100.0	100.0	18,009	18,009	100.0	100

food supplies to a variety of herpetofauna, avifauna and mammals.

In general, management practices already in effect can be expected to result in an overall increase in both floral and faunal species diversity as well as in the improved well-being of species and/or stability of populations already present in the watershed.

It is also probable that changes in vegetative cover will result in changes in carrying capacity for some faunal species. Carrying capacity for some species will increase and, for others, decrease. Table 7.33-4 includes examples of how the carrying capacity for some species can be expected to change. It should be noted that the carrying capacity for any species is highly variable (U.S. Dept. of Agriculture, 1968). Thus, it is not possible to make quantitative predictions of changes in carrying capacity. Examples are discussed in the following Section 7.33.2 which focuses on indicator species and how the proposed watershed management will expand upon the currently occurring baseline changes.

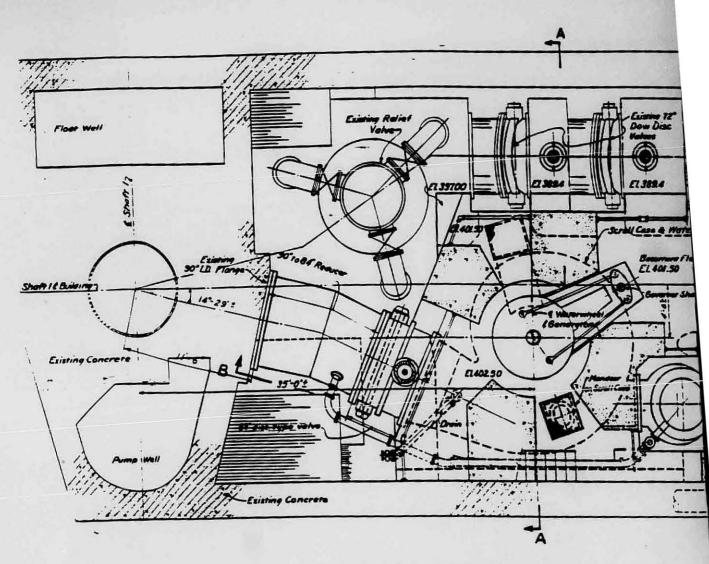
### 7.33.2 Future Conditions With Alternative

Twenty-eight terrestrial species were identified as terrestrial indicator species (NER and NAI, 1983). Of these, 20 species (including bird, mammal, herptile and vegetative species) were identified as indicator species for the terrestrial environment in the three watersheds considered under this alternative. These species are listed in Table 7.33-8.

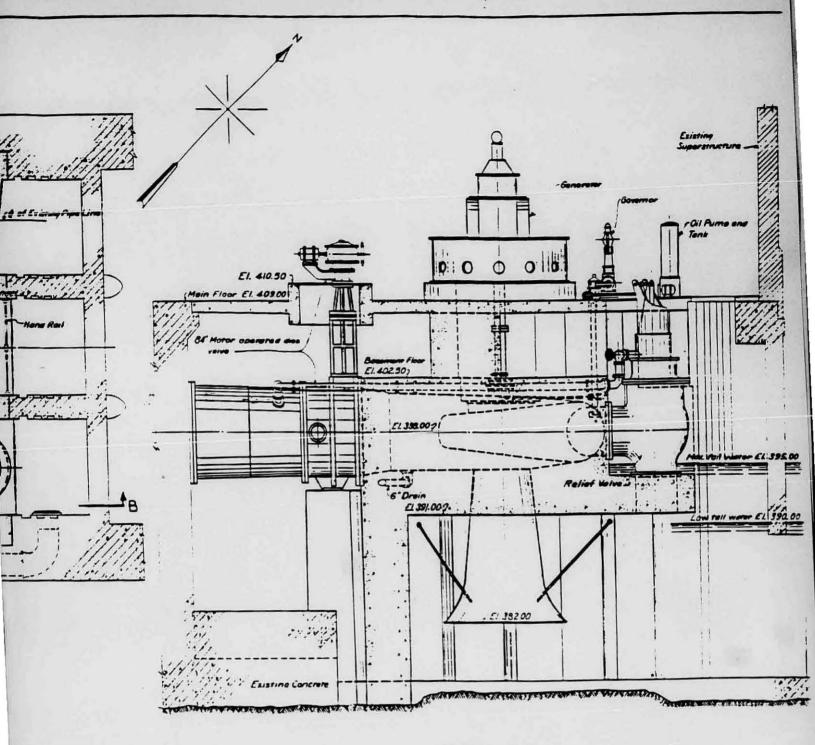
Tables 7.33-5, 6 and 7 show: the initial 1960 cover-type acreage for the three watersheds; the regrowth from low density to medium density; the baseline cutting; and the proposed Watershed Management Alternative cutting for the study period 1986-2020. It is assumed that the cutting will be accomplished in a manner that results in the maintenance of a transition forest, i.e. the forest will not be permitted to regrow to high density but only to medium density stocking.

Primary factors that could theoretically influence the identified indicator species include habitat loss or change, displacement or disruption, and changes in the composition of vegetation. Habitat and vegetative cover could also be influenced by such phenomena as erosion and the loss of forest soil nutrients due to increased infiltration of rainwater. Both erosion and loss of soil nutrients are commonly considered to be key phenomena in the process of desertification (Odum, 1971).

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BASEMENT FLOOR PLAN



Notes

Eleverions, Baston Ciru Base
For Section A-A' see Sheet GH

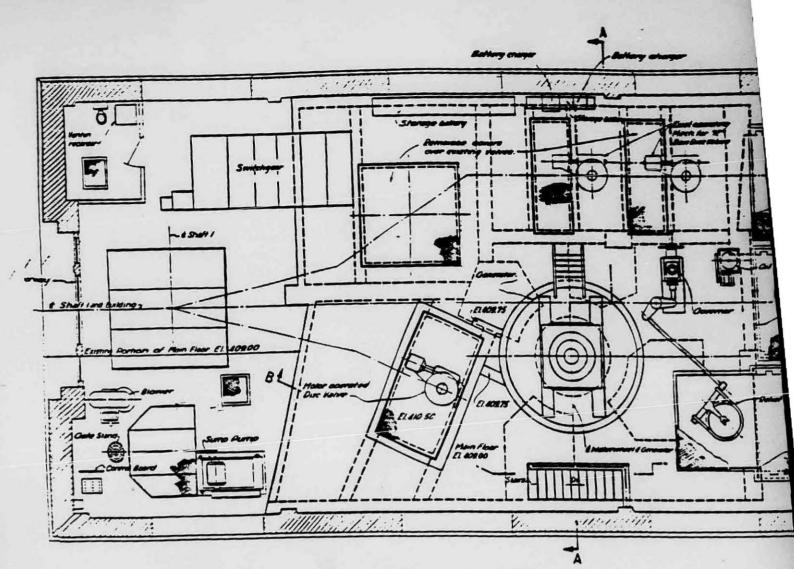
SECTION B-B

EXHIBIT- G-2

MASSACHUSETTS WATER RESOURCES AUTHORITY

QUABBIN AQUEDUCT-OAKDALE STATION
GENERATING AND ELECTRICAL EQUIPMENT
WATERWHEEL AND GENERATOR SETTING

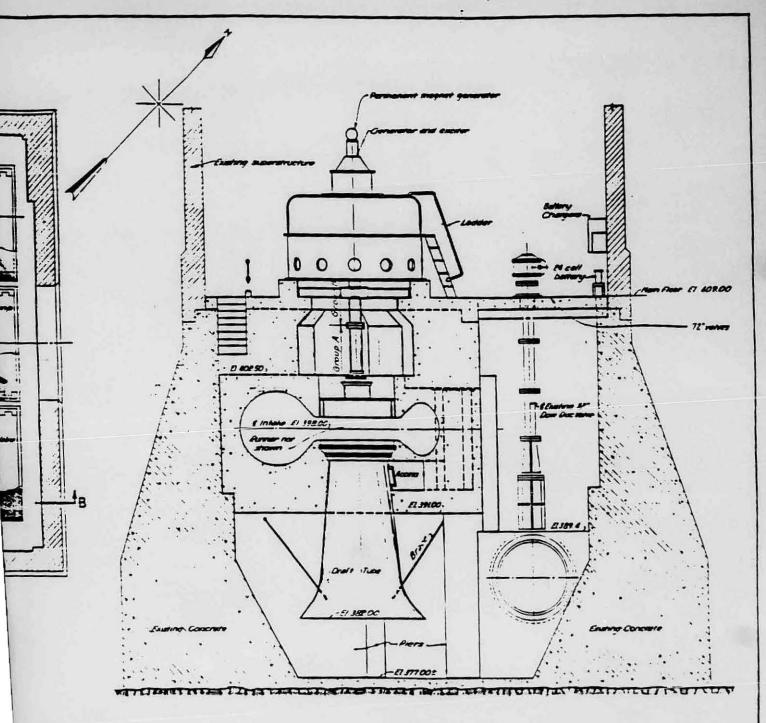
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MAIN FLOOR PLAN SHAFT I - OUTLET WORKS

Elevatione Baston City Base for Section 8-8 see Sneet Ga



SECTION A-A

EXHIBIT- G-1

MASSACHUSETTS WATER RESOURCES AUTHORITY

QUABBIN AQUEDUCT-OAKDALE STATION
GENERATING AND ELECTRICAL EQUIPMENT
WATERWHEEL AND GENERATOR SETTING

Attached is evidence that the existing facility, located on the Wachusett Reservoir in the Town of West Boylston. Worcester County, Massachusetts, is owned by the Matropolitan District Commission (MDC), but operated and maintained by the HWRA:

- 1. A copy of the Taking of the property, dated December 13, 1900.
- 2. An index plan outlining the Wachusett Reservoir and Watershed Land Plans and a map outlining the particular parcel of land described in the taking.
- 3. A copy of Chapter 438 of the Acts of 1895 of the Commonwealth of Massachusetts which established the Metropolitan Water Board.

  empowered to impound the waters of the Nashua River and acquire all lands necessary in order to create the Wachusett Reservoir and its appurtenances (See Sections 4, 5, 6, 9 and 11 for specific references.)
- 4. A copy of Chapter 372 of the Acts of 1984 of the Commonwealth of Massachusetts which established the MWRA and authorized it. operation and maintenance of the facility (See page 73. Section 42. Subsections 104, 107, and 113 for specific references.)

OAK

A copy of the Memorandum of Understanding between the MDC Watershed Management Division and the MWRA Waterworks Division which documents the responsibilities of both agencies concerning the maintenance and operation of certain Waterworks holdings.

(See pages 5 & 6, Section B for specific references.)

OAK

POWER PLANT FACILITY OAKDALE (HULLING TREELINE)

UACHUSTIT RESERVOTR

OAKDALE POWER PLANT

EXHIBIT E-1

# Charlestown Navy Yard : 100 First Avenue Boston, Massachusetts 02129

OLITO WATER RESOURCES AUTHURITY RECEIVED - 5 1988 HAT Lean on every (617) 242-ouu

January 29, 1988

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Robert D. Shapiro, General Counsel Energy Facilities Siting Council 100 Cambridge Street Boston, MA 02202

Dear Mr. Shapiro:

As we discussed last week, I am writing to you for clarification of our understanding of the Siting Council's role in the licensing of hydroelectric facilities pursuant to G.L. c. 164, sec. 69H1/2.

# BACKGROUND:

On December 10, 1987, the Federal Energy Regulatory Commission ("FERC") issued two orders to the Metropolitan District Commission ("MDC") finding that its Oakdale and Cosgrove hydroelectric facilities are subject to FERC licensing jurisdiction. Under the Memorandum of Understanding between the MDC and MWRA, we have the authority "to operate, control, maintain and replace the hydroelectricity facilities" and are, therefore, the organization responding to the FERC order with regard to licensing. We have no plans for modification or construction at either of these sites.

Under the relevant FERC regulations, a "small conduit hydroelectric facility" may be granted an exemption from the licensing provisions if certain qualifications are met. We have determined that both facilities fall into this category, and have filed with the FERC a schedule for an exemption filing (attached).

The FERC regulations further require that an applicant for exemption must consult with "each appropriate Federal and state agency before submitting its application to the Commission." An

exemption application must contain an Exhibit E, which is an environmental statement, and must contain other agencies' comments, recommendations, terms and conditions, etc.

## SITING COUNCIL PARTICIPATION:

The various agencies which would ordinarily be involved in the permitting and licensing of a hydroelectric facility work on the basis of a project proposal or at least some work to be done or change to be made. In this instance, we are neither proposing a project nor making any changes.

Under c. 164, sec. 69H1/2, the Siting Council "shall coordinate the permitting and licensing of hydropower generating facilities by simplifying requirements for permits and licenses." It also states that a "developer" must "commence the state permitting process ... no later than sixty days after official motice that such hydropower developer has filed for a license or exemption with the [FERC]."

Under the circumstances described above, we request a determination that G.L. c. 164, sec. 69H1/2 does not apply to the exemption applications to be filed with the FERC for the Oakdale and Cosgrove facilities, since we are not a "developer" and do not anticipate having to "commence the state permitting process."

If you have any additional questions, please feel free to call me or Bruce Tobey at 242-6000. Thank you very much for your help in this area.

Sincerely,

Celia E. Strickler, Sr. Staff Counsel,

Environmental Law

cc: Marilyn L. Hotch, Acting General Counsel

nergy Facilities Siting Council

Room 2109, 100 Campriage Street, Boston, Massachusetts 02202 - [617] 727-1136

March 7, 1988

Celia E. Strickler Senior Staff Counsel, Environmental Law Massachusetts Water Resources Authority Charlestown Navy Yard 100 First Avenue Boston, MA 02129

Dear Ms. Strickler:

I am writing in response to your recent letter requesting clarification of the Siting Council's role in licensing of hydroelectric facilities. In particular, you have requested clarification of the Siting Council's role in the case of an application which has been filed with the Federal Energy Regulatory Commission ("FERC") for an exemption from filing provisions for an existing hydroelectric facility.

G.L. c. 164, s. 69H1/2 provides that:

[The Siting Council] shall coordinate the permitting and licensing of hydropower generating facilities by simplifying requirements for permits and licenses.

Said council, after consultation with the permitting and licensing agencies, shall establish a preliminary notification form and other forms to be employed by such agencies for permitting and licensing review of proposed hydropower generating facilities.

The application for exemption from filling provisions filed by the Massachusetts Water Resources Authority ("MWRA") with FERC regards existing, rather than proposed, facilities. Accordingly, the provisions of G.L. c. 164, s. 69H1/2 do not apply to the application for exemption filed by the MWRA.

Furthermore, 980 C.M.R. 11.00, the regulations of the Siting Council which implement G.L. c. 164, s. 69H1/2, define a developer as:

any person, corporation, partnership, municipality, utility or other entity which is attempting to obtain the permits and licenses required prior to or for the construction or start-up of a hydropower generating facility.

The Commonwearth of Massachuserts

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Paula ... Gold

Dannis J. La Croix

Because the MWRA is not proposing to construct or start-up a hydropower generating facility, the MWRA is not a developer under 980 C.M.R. 11.00. Accordingly, the MWRA is not required under the provisions of 980 C.M.R. 11.00 to submit a preliminary notification form to the Siting Council with regard to the MWRA's application for exemption from FERC filing provisions for existing hydroelectric facilities.

If you have any further questions, please do not hesitate to contact me.

Very truly yours,

Robert D. Shapiro

General Counsel

Taking No. 99.

WACHUCETT RECERVOIR. SECTIONS THERTY-FIRST AND THERTY-SECOND.

LAND IN WEST BOYLSTON.

Dated December 13, 1900. Recorded December 14, 1900, with Wortester District Deeds, Book 1972, Page 280.

#### KIOW ALL HEN BY THESE PRESENTS.

That the Commonwealth of Massachusetts, by Henry H. Sprague, Wilmot R. Evans, and Henry P. Walcott, the Hetropolitan Water Board, duly constituted and appointed under and according to the provisions of chapter 468 of the Acts of the Legislature of the Commonwealth of the year 1895, by virtue and in exercise of the power and authority of said Act and of every other power and authority hereto enabling, and in partial execution of said powers and authorities, hereby takes in fee for the Metropolitan Water Works provided for by said Act the tracts of land herein called SECTIONS THIRTY-FIRST and THIRTY-SECOND, and the several lots included within said section thirty-first, all situate in the town of West Toylston, in the county of Worcester and Commonwealth of Massachusetts, the said sections and the several lots included in said section thirty-first, not owned by the Cormonwealth, being particularly bounded and described as hereinafter set forth, with the buildings and other structures thereon, and all the rights, easements, privileges, and appurtenances thereto belonging, but without interference with or in any way affecting any licenses or rights held under said Water Roard of occupancy or otherwise, or the rights of the public, or any rights, authorities, duties or obligations of any county, town or officer thereof in, to or over any public street or way or any part thereof, whether hereinafter mentioned or not, included within the limits of said section thirty-first, which said streets and ways are not hereby discontinued or altered, nor any of them nor any part thereof.

The sections and lots above referred to and hereby taken are shown upon a plan inscribed "Commonwealth of Massachusetts, Metropolitan Water Board, Plan No. 73 of Land Takings, Wachusett Reservoir, Lands in West Boylston", dated Movember 6, 1900, signed by Frederic P. Stearns, Chief Engineer, and to be herewith recorded.

SECTION THIRTY-FIRST. A tract of land through which flows the Quinepoxet river, containing forty-seven and eighteen one-hundredths (47.18) acres, situate in that part of said West Boylston called Oakdale, on both sides of Holden street and southerly of the location of the Boston and Maine Railroad, Central Massachusetts Division, said tract being bounded and described as follows, viz:

Reginning at its northeasterly angle at an angle in the southerly line of said railroad location, at or near the northeasterly end of the dam late of the West Boylston Manufacturing Company, and from said point of beginning running south 36-1/10 west ninety (90) feet to a point in the line supposed to coincide with the thread of that branch of the Quinepoxet river which flows westerly of an island in said river;

thence southeasterly by said last mentioned line three hundred ninety-eight (398) feet to the northerly line of Holden street, the last two boundary lines being on land late of the

West Boylston Manufacturing Company, now of the Commonwealth:

thence due south in said river fifty-two (52) feet to the southerly line of said Holden street;

thence southerly and southeasterly by land late of said Company, now of the Commonwealth, four hundred fifty-three (343) feet to land late of George 5. Newton and Silas Newton, the last two measurements being on said line supposed to coincide with the thread of the Quinepoxet river:

thence turning at an acute angle and running south 67-3/40 west by said land late of said Hewtons fifty-six (36) feet to the northeasterly line of Newton street;

thence in the same course across said street thirty-three (33) feet to the southwesterly line thereof;

thence by other land late of said George B. Newton and Silas Tewton the following ten courses and distances, viz: \_south\_67-3/49 west too hundred fifty-eight and seven tenths

(258.7) feet, north 19° west two hundred forty-nine and nine-tenths (249.9) feet.

north 3-1/2° west one hundred and two-tenths (100.2) feet, north 67-1/4° west three hundred ninety-seven (397) feet,

north 68-3/40 west ninety-nine and four-tenths (99.4) feet,

north 2-3/4° east five and two-tenths (5.2) feet,

north 69-1/20 west eighty-eight and one-tenth (66.1) feet,

south 2-5/4° west six and six-tenths (6.6) fort,

north 88-1/4° west three hundred forty-one and five-tenths (341.5) feet, and

south 35-1/20 west onehundred thirty-nine(159) feet to the centre of a stone monument set at the easterly angle of land of Myron W. Houghton;

said land late of the West Boylston Manufacturing Company south of Holden street, and of George B. Newton and Silas Newton being now of the Commonwealth, taken by said Board by an instrument of taking dated August 30, 1900, recorded as aforesaid, book 1865, page 1:

thence north 37-1/4° west two hundred sixty-seven (267) feet to the centre of a stone monument:

thence south 77° west four hundred fifty-two (452) feet to the centre of a stone monument set in the northeasterly houndary ine of land of Thomas W. Shepard, the last two courses being on said land of Houghton;

thence north 29° west on said land of Houghton two hundred twenty (220) feet to the centre of a stone morum nt set in the souther y line of Holden street;

thence in the same course, crossing said street diagonally, simty-three (65) feet to the northerly line thereof;

thence westerly and southwesterly by said northerly line nine hundred fifty-four(954) feet to land of

Austin H. Warfield:

thence north 19-1/4° west by said land of Warfield and running into the Quinepoxet river, thirty-five (35) feet;

thence southwesterly and westerly by said land of Warfield and in said river five hundred eighty (560) feet to an angle in the southerly line of land or location of the Coston and Maine Railroad, Central Massachusetts Division:

thence north 4-3/4° east by a joy in said southerly line and running out of said river, ninety (90) feet to the

thence turning at an obtuse angle and running by said

southerly line of said railroad location thirty-five hundred and four (3504) feet to the point of beginning. Said section thirty-first above described contains seventeen lots, numbered from 1 to 17, both inclusive, together with the fee and soil of a part of Holden street and a part of Newton street, all shown on said plan. Of said seventeen lots lots numbered 1, 2, 6, 7, 8, 9, 10, 11, 15, and 16 are now owned by the Commonwealth, and lots numbered 3, 4, 5, 12, 13, 14, and 17, hereinafter particularly described, are owned by various owners, hereinafter named.

Lot 1, containing twenty-nine (29) acres, was lately owned by the L. H. Harris Hanufacturing Company and by it conveyed to the Commonwealth by deed dated October 10, 1899, recorded as aforesaid, book 1630, page 118, being the first parcel in said deed described:

lot 2, containing one and sixteen one-hundredths (1.16) acres, was lately owned by Hela T. Chase and by him conveyed to the Commonwealth by deed dated September 22, 1900,

and recorded as aforesaid, book 1664, page 51;

lot 6, containing one and sixty-two one-hundredths (1.62) acres was lately owned by the L. M. Harris Hanufact-uring Company and by it conveyed to the Commonwealth by said deed dated October 10, 1899, recorded as aforesaid, book 1630, page 118, being the third parcel in said deed described;

lot 7, containing one and seventy-three one-hundredths
(1.73) acres, was lately owned by James Houghton and by
him conveyed to the Commonwealth by deed dated
August 13, 1898, recorded as aforesaid, book 1585,

page 507;

lot 8, containing fifty one-hundredths (0.50) of an acre, was lately owned by Thomas H. Harris and by him conveyed to the Commonwealth by deed dated July 2, 1898, recorded

as aforesaid, book 1383, page 580; lot 9, containing fifty-one one-hundredths (0.51) of an acre, was lately owned by Phebe S. Harris and was conveyed to the Commonwealth by deed of Thomas H. Harris and was conveyed to the Commonwealth by deed of Thomas H. Harris and Phobe S. Harris, dated July 1, 1898, recorded as aforesaid, book 1783, page 579;

lot 10, containing fifty-six one-hundredths (0.56) of an acre, was lately owned by Mury S. Whiting and Mary E. Whiting and by them conveyed to the Cormonwealth by deed dated July 3, 1699, and recorded as aforesaid, book 1623, page 15;

lot 11, containing one and ninety-two one-hundredths (1.92) neres, was lately owned by the L. H. Harris Manufact-uring Company and by it conveyed to the Commonwealth by said deed dated October 10, 1899, recorded as aforemaid, book 1630, page 118, being the fourth parcel in said deed described;

lot 15, containing one and five one-hundredths (1.05) acres, was lately ormed by Arminda W. Shepard and conveyed to the Commonwealth by Thomas W. Shepard and Arminda W. Shippord, his wife, in her right, by deed dated Tov miner 4, 1898, and recorded as aforesaid, book 1 197, Pag= 23Q: and

lot 16, containing forty-five one-hundredths (0.45) of un acre, was lately owned by Thomas W. Shepard and by him conveyed to the Cormonwealth by dead dated Toverber 4, 1898, and recorded as alloresaid, book 1597, page 222.

Caid lots 1, 6, and 11, formerly of the L. M. Harris Hannfacturing Company, are hereby taken with all the fixtures and machinery which were on said three lots at the time of the delivery of said deed from said Company to the Cormonwealth, and which still rimain thereon.

Said reven lots included in section thirty-first and numbered 3, 4, 5, 12, 13, 14 and 17, not owned by the Commonwealth, are now owned, bounded and described as follows, viz:

RECTION THIRTY-FIRST, LOT 3. A lot of land owned by Abirail ally, containing two hundred a venty-six one-thousandths (0.276) of an acre, situate on Holden street, and bounded.

southerly by said Holden street sixty and two-tenths (60.2) feet; westerly by land late of the L. M. Herris Mamufacturing Company, row of the Commonwealth, shown or the rlan to be recorded herewith as lot 1, two hundred and one and eight-tenths (201.8) feet;

northerly by said land late of the L. M. Harris Manufacturing Company fifty-eight and seven-tenths (58.7) feet; and easterly by land late of Bela 7. Chase, now of the Commonwealth, shown as lot 2 on said plan, two

hundred and two (202) feet.

PROTION THIRTY-FIRST, LOT 4. A lot of land belonging to owners unknown, containing fifty one-hundredths (0.50) of an acre, for the mostpart covered by the waters of the Quinepoxet river, and situate on the northwesterly side of the dam late of the West Poylston

Manufacturing Company, and bounded, northerly by the southerly line of the location of the Boston and Maine Railroad, Central Massachusetts Division, five hundred twenty-four-(574) feet; southeasterly by land late of the West Doylston Manufacturing Company, now of the Commonwealth, ninety (96) feet; southwesterly on land late of the L. M. Harris Hanufacturing Company, now of the Commonwealth, shown as lot 1 on said plan, by a line supposed to coincide with the thread of the Quinepoxet river, four hundred ninety-seven (497) fact; and westerly by and of Almira R. Rice thirty-three (55) feet.

STOTION TRIRTY-FIRST, LOT 3. A lot of land owned by Almira R. Rice, containing two and sixty-six one-hundredths (2.66) acres, A lot of land owned by Aladra R. partly covered by the waters of the Quinapoxet river, situate westerly of the parcel last above described, and bounded, Inortherly by the southerly line of said railroad location nine hundred tyenty-five (925) feet; easterly by land of owners unknown, last above described, thirty-three (73) foet; southerly, southwesterly, and southwasterly by land late of the L. M. Harris Manufacturing Company, shown as lot 1 on said plan, being in part by a line supposed to coincide with the thread of the Cuinepoxet river, nine hundred seventy-two (372) feet; and westerly by said land late of the L. M. Harris Manufacturing Company one hundred thirty (130) feet.

A lot of land owned by Candace SECTION THIRTY-FIRST, NOT 12. A lot of land owned by Candace on Chase and Frances A. Pavis, containing one (1) acre, situate on the street and Molden street a short distance westerly from Fewton street, and bounded.

northerly by Holden street one hundred minety-eight (1981

fant;

easterly by land of Frances A. Pavis two hundred twenty (220) feet:

southerly by land late of George B. Mayton and Silas Newton now of the Cormonwealth, taken by said board by said instrument of taking dated August 30, 1900, recorded as aforesaid, book 1565, page 1, one hundred ninety-eight (198) feet; and

vesterly by land late of the L. M. Harris Hanufacturing Company, now of the Commonwealth, shown as lot 11 on said plan, two hundred twenty andone-tenth (220.1) feet.

A lot of land owned by Frances A. SECTION THIRTY-TIRET, LOT 15. Davis, containing one and three one-hundredths (1.03) acres, situate on Holden street and Newton street, and hounded, northerly by Holden street one hundred eighty-two and seven tenths (182.7) feet; easterly by Newton street two hundred twenty-eight and six tenths (328.6) feet;

southerly by hand of Edwin L. Chase, ". Evelyn Hann, "41110 3. Muntington and Carrie F. Clapp two hundred twenty-three and seven-tenths (223.7) feet; and

westerly by land of Candano Chase and Frances A. Davis, last above described, two hundred twenty (220) feet.

A lot of land owned by Edwin L. SECTION TUREST-FIRST, LOT 14. Chase, M. Evelyn Jann, Mellis B. Huntington, and Carrie F. Clapp, situate on Mewton street, and hounded,

easterly by Newton street ninety-nine and six-tenths (99.6)

southerly by land late of Arminda W. Shepard, now of the Commonwealth, shown as lot 13 on said plan, two hundred thirty-one and eight-tenths (231.6) feat;

westerly by land late of Chorge T. Hewton and Silas Mewton, now of the Commonwealth, taken assignments, one hundred and two-tenths (100.2) feet; and northirly by Lind of Frances A. Davis, last above described,

two hundred twenty-three and seven-tenths (223.7) feet,

SECTION THIRTY-FIRST, LOT NO. A lot of land owned by Cardica Chase and Frances A. Davis, containing eight one-hundredths (0.03) of an acro, partly covered by the waters of the Quinepoxet river, situate on Holden street and Hewton street, and bounded,

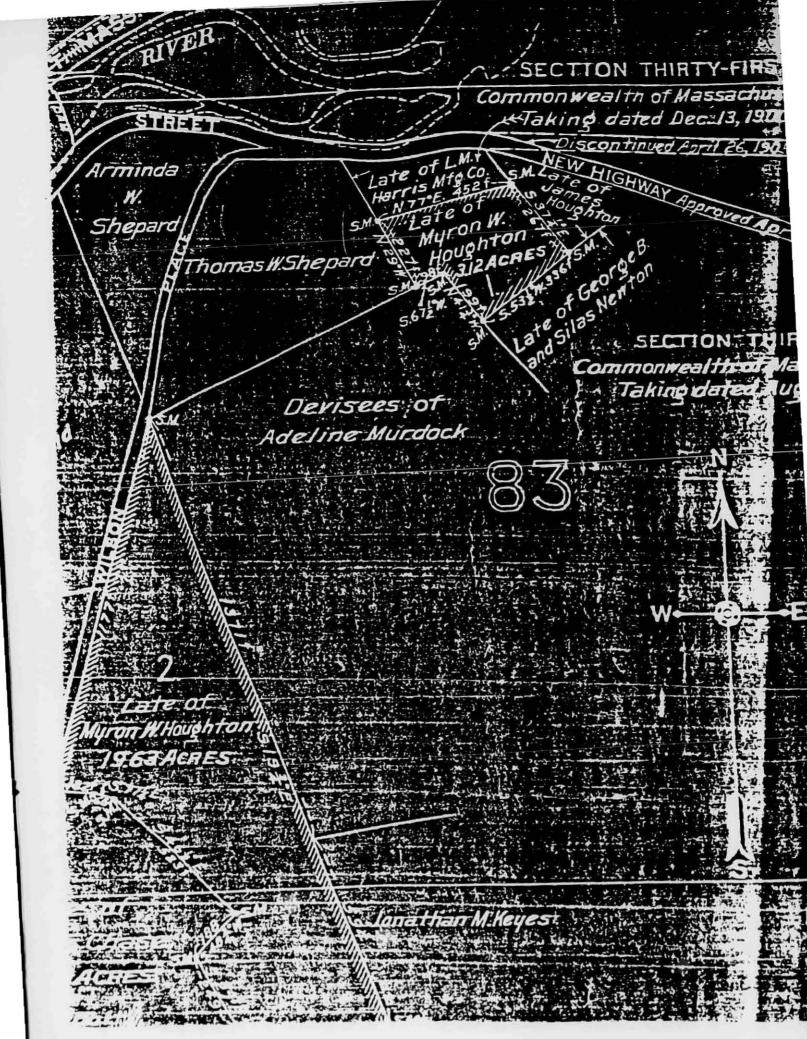
northerly by Holden street seventy-four (74) feet; easterly by land late of the West Boylston Menufacturing Company, now of the Cormonwealth, taken by said Poard by said instrument of taking dated August 30, 1300, recorded as aforesaid, book 1665, proc 1, forty-seven (47) foot, said last mentioned bound being on a line supposed to coincide with the thread of the Cuincroxet river:

southerly by hand late of Thomas W. Shepard, now of the Commonwealth, shown as Not 16 on said plan, sixty-nine (69) feet; and

westerly by Newton street forty-nine and five-tenths (40.5) feet.

ECTION THIRTY-SECOND. A tract of land containing six and sixtythree one-hundredths (6.63) acres, partly covered by the waters of the hin-poxet river, lately owned by the L. M. Harris Manufacturing Company, now by the Commonwealth, situate in West Boylston on the northerly side of the location of the Boston and Maine Railroad, Central Massachusetts Division, opposite the westerly part of section thirty-first above described, and hounded and described as follows, viz:

Reginning at the southeasterly angle of said tract on the northerly line of said railroad location at the centre of a ston- monument set at the southwesterly angle of land of Henry F.



NOTE: Figures and lines in red indicate sections on the index plan recorded with Worcester District Deeds February 26,1898 Plan Book Five, Page Three.

S.M. means Stone Monument Lots marked "late of" any person or corporation have been conveyed to the Commonwealth.

TIETH sachusetts:

COMMONWEALTH OF MASSACHUSETTS

METROPOLITAN: WATER WORKS
LANING: STEOF LAND-TAKINGS
WACHUSELL RESERVOIR

[CHAP. 488.]

# AN ACT

# TO PROVIDE FOR A METROPOLITAN WATER SUPPLY.

Be it enacted, etc., as follows:

#### METROPOLITAN WATER BOARD.

Section 1. The governor, by and with the advice and consent of the council, shall appoint three water commissioners, who shall constitute the Metropolitan Water Board. Said commissioners shall hold office, one for the term of five years, one for the term of four years and one for the term of three years, beginning with the first Monday in May in the year eighteen hundred and ninety-eight, and annually thereafter, the governor shall appoint, as aforesaid, one member of said board to hold office for the term of three years, beginning with the first Monday in May in the year of his appointment. The governor, with the consent of the council, may remove any member of said board, and may appoint for the residue of the term, in the same manner in which the original appointment was made, a commissioner to fill any vacancy occurring by removal, resignation or otherwise. One of said commissioners shall be always a citizen of Boston, one shall be always a citizen of one of the other cities or towns in the water district hereinafter described, and one shall be always a citizen of this Commonwealth. The chairman of said board shall receive a salary of five thousand dollars a year, and the other members a salary of four thousand five hundred dollars a year.

#### OFFICERS AND ACCOUNTS.

SECT. 2. The governor shall, as soon as may be after the appointment of said board, and annually thereafter on or before the first Monday of May, designate one of their number to serve as chairman for the ensuing year; said board shall from time to time appoint an engineer, secretary, and such other agents, officers, clerks and other employees as said board may deem necessary, shall determine the duties and compensation of such appointees, and may remove the same at pleasure, and may employ counsel; shall at all times keep full, accurate, and separate accounts of the doings, receipts, expenditures, dispursements, assets and liabilities of said board, and include an abstract of the same in an annual report to the general court on or before the first Wednesday in January in each year, such report to be numbered as one of the series of public documents; and four thousand five hundred copies thereof to be printed annually.

#### METROPOLITAN WATER DISTRICT.

SECT. 3. Said board, acting for the Commonwealth, shall construct, maintain and operate a system of metropolitan water works substantially in accordance with the plans and recommendations of the State Board of Health, contained in their report to the legislature of the year eighteen hundred and ninety-live, and shall provide thereby a sufficient supply of pure water for the following named cities and towns, and the inhabitants thereof, to with—The cities of Boston, Chelsea, Everett, Maiden, Medford, Newton and Somerville, and the towns of Belimont, Hyde

Park, Melrose, Revere, Watertown and Winthrop, which cities and towns shall constitute the Metropolitan Water District; shall secure and protect the purity of said water; shall on application furnish water to any city or town aforesaid that at the time of application owns its water pipe system; shall on application admit any other city or town, any part of which is within ten miles of the state house, into said water district, and furnish water to the same on the terms prescribed by this act for the cities and towns aforesaid, and on such payment of money as said board may determine; shall on application furnish water to any water company owning the water pipe system in any town within said ten miles, on such water company assuming the assessments of the town, if any, and making such payment of money as said board may determine; and may from time to time furnish water to any other city, town or water company, on such payment of money as said board may determine. All payments of money aforesaid shall be distributed to the cities and towns in said district in proportion to the total amount of the annual assessments theretofore paid by them respectively. Said board shall furnish said water to the city, town or company, by delivering the same into a main water pipe, reservoir, or tank of the city, town, or company, under sufficient pressure for use without local pumping, unless delivered in some other manner by mutual agreement between the parties interested; and shall have the direction and control of the connections between the metropolitan and local systems. Said board may utilize the fall of water at any dam under their charge, and may thereby produce power or electricity, and may transmit such power or electricity by pipes, wires, or other suitable means, and sell the same, or the right to use such water, by written or other contract, to run for a term not exceeding fifteen years. Any person or corporation authorized by said board shall have all the powers relating to the production, sale and transmission of power and electricity given by this act to said board.

#### WATER SOURCES.

SECT. 4. Said board may take, by purchase or otherwise, the waters of the south branch of the Nashua river, at and above a point above the dam of the Lancaster Mills in the town of Clinton, but shall allow not less than twelve million gallons of water to flow from a reservoir above said dam in each week, and such further quantity, not exceeding twelve million gallons a week, as the owner of said mills shall from time to time certify to be necessary for use therein and in other buildings now or hereafter owned by him, for domestic or manufacturing purposes, other than the production of water power, and said board, in regulating the flow of said quantities, shall, as far as practicable, conform to any reasonable request in writing of the owner of said mills; said board may also take the waters of Sandy pond, so-called, in the town of Clinton, and the waters which may flow into and from said pond or river, and the tributaries thereof above said point; may take such water rights as they deem necessary connected with said waters; said board shall forthwith, after taking the waters of said Nashua river, take by purchase or otherwise all real estate which will be submerged or flooded, or submerged to an increased depth, by the construction of the proposed reservoir on the Nashua river hereinafter provided for, and all parcels of real estate above the dam of said reservoir used for mill purposes and owned by the owner of any mill property of which any part will be submerged or flooded by the construction of said reservoir, including all the machinery used on such real estate and tenements for operatives; shall, on or before the first day of January in the year eighteen hundred and ninety-eight, take all the lands and all the ponds, basins, reservoirs, filter beds, dams, aqueducts, conduits, primping stations, pipes, pumps, and other property held by the city of Boston for the

purpose of supplying water or for the purpose of storing or of protecting or preserving the purity of the water, and situated westward of Chestnut Hill reservoir in said city and westward of the intersections of the main pipes to be laid from Chestnut Hill reservoir to Spot pond, with the main pipes which convey water from the Mystic distributing reservoir; also the pumping station at Chestnut Hill reservoir and lands under and surrounding the same, and the pipes and aqueduct leading thereto; also Spot pond, so-called, in or near the town of Stoneham, and the lands under and surrounding the same, now owned by the cities of Malden and Medford and the town of Melrose, or either of them, held for the purpose of water supply or of protecting or preserving the purity of the water, and the pumping stations and pumps thereon; any or all of the aforesaid lands to be taken in fee or otherwise, as said board may determine. Said board may take any other lands in fee, easements, rights and other property that said board may deem necessary or desirable for carrying out the powers and duties conferred upon them by this act.

## RECORD OF TAKING.

SECT. 5. Said board, to take any property by right of eminent domain, shall sign and cause to be recorded in the registry of deeds for the county and district in which the property to be taken is situated, a statement containing a description thereof, as certain as is required in a common conveyance of land, and stating that the same is taken for the Metropolitan water works; and upon such recording the ponds, works, lands, waters, easements, rights and other property described in said description shall be taken for the Commonwealth. Said board, upon entering upon any land for the purpose of using the same for carrying out any of the purposes of this act, shall sign and cause to be recorded in the registry aforesaid a statement containing a general description of the land and the purposes for which it is to be used, and the probable time for which the same is to be used, and after they have taken any property under the right of eminent domain shall notify the owner thereof, and on the request of the owner within three years after such taking, shall, within thirty days after such request, furnish him with a plan or description, in writing, of his land or other property so taken.

## RESERVOIRS.

SECT. 6. Said board shall forthwith, after taking the waters of said Nashua river, construct a storage reservoir upon said Nashua river above said dam of the Lancaster Mills; shall forthwith construct the reservoir in Southborough already partially constructed by the city of Boston, and the dams thereof, and assume and carry out the agreement made by said city with the town of Southborough, and all contracts made by said city relating to the building of said reservoir; may construct other reservoirs, and may raise the level of any pond or reservoir under their charge. Said board may, as they deem desirable in constructing, or raising the level of, any pond or reservoir, raise or alter or discontinue parts of any railroad or public ways, and in case of a railroad shall make such raisings or alterations of the railroad, or construct upon existing or other locations, parts of the railroad to take the place of the parts so discontinued, as, and in such manner as, shall be mutually agreed upon by said water board and the board of directors of the railroad company; and if they cannot agree thereon then as, and in such manner as, shall be determined on the application of either party, in writing, by the board of railroad commissioners of this Commonwealth, who are hereby authorized and directed to adjudicate finally upon the same; and if said water board shall be of the opinion that the making of any such change of grade, alteration or construction requires

... .

Township Market

that lands be taken therefor, said board shall, in the name of the Commonwealth, take such lands and convey the same to the railroad company to be thereafter held and used as the board of directors of such company may determine, and the railroad company may if it desires locate its lines over any lands so conveyed to it, and when said new lines of railroad are completed the railroad company may discontinue the operation of the portions of its existing lines for which the new lines are substituted, and may maintain and operate said new lines of railroad; and said water board shall build the dam of any pond or reservoir constructed, or whose level is raised, as aforesaid, and make the raisings or alterations of the public ways aforesaid, and build in place of the parts of public ways discontinued, as aforesaid, such other reasonable and suitable ways, which shall thereafter be highways, as, and in such manner as, shall be mutually agreed upon by said water board and the county commissioners of the county in which such dam is to be built; or if they cannot agree thereon then as, and in such manner as, shall be determined on the application of said board, in writing, by the highway commission of this Commonwealth, which commission is hereby authorized and directed to adjudicate finally upon the same. Said water board, in flooding or otherwise affecting any burial ground, shall conform to any reasonable requirements relating thereto of the board of health of the city or town in which the same is situated.

#### CHESTNUT HILL RESERVOIR.

SECT. 7. Said water board shall forthwith lay pipes to connect the pumping station at Chestnut Hill reservoir with the main water pipes through which water is now supplied to the cities of Somerville, Chelsea and Everett, and the Charlestown district of the city of Boston, and with Spot pond, and on the first day of January in the year eighteen hundred and ninety-eight the contracts of the city of Boston with the cities of Somerville, Chelsea and Everett, described in, and confirmed by, chapter three hundred and fifty-one of the acts of the year eighteen hundred and eighty-six, for a supply of water, shall be cancelled. Said board shall also forthwith, after taking the waters of Nashua river as aforesaid, connect said river with the tributaries of said reservoir in Southborough.

## DELIVERY OF WATER TO LANCASTER MILLS.

SECT. 8. Said board, until they shall have completed the dam of said proposed reservoir on the Nashua river, and rebuilt the dam of said Lancester Mills, shall, unless otherwise agreed by said board and the owner of said mills, deliver each week day at, and at the level of, the present top of the dam of said mills at least one million gallons of the water of said river, unpolluted by any acts or doings of said board, conforming in the delivery of said quantity, so far as practicable, to any reasonable request in writing of the owner of said mills.

## CONSTRUCTION OF BUILDINGS, ROADS, ETC.

SECT. 9. Said board in carrying out the powers and duties hereinbefore conferred upon them may construct and maintain buildings, machinery, roads, conduits and aqueducts; may lay and maintain pipes, drains and wires; may alter or change the grades or directions of any water course; may carry and conduct any aqueduct, conduit, pipe, drain or wire under or over any water course, or any railroad, street or other way, in such a manner as not unnecessarily to obstruct or impede travel thereon; may dig up any such road, street or way, and lay, maintain and repair aqueducts, conduits, pipes, wires and other works beneath the surface thereof, conforming to any reasonable regulations made by the mayor and aldermen of cities and the selectmen of towns, respectively, wherein such works are performed, and restoring, so far as practicable, any such road, street or way, to as good order and condition as the same was in when such digging was commenced; said board may enter upon and use the lands of others; may take down dams to such an extent as they may deem necessary for prosecuting their works, and shall rebuild such dams whenever the necessity for keeping them down ceases; shall use such lands and do all work relating to such dams, in a reasonable manner with regard to the interests of the owners thereof, and, so far as practicable, shall heed all reasonable requests made by such owners; and in general may do any other act or thing necessary or proper for carrying out the powers and duties conferred upon them by this act.

#### OPERATION OF WORKS TAKEN FROM BOSTON.

SECT. 10. Said board, on or before the first day of January in the year eighteen hundred and ninety-eight, shall commence the operation of the works tiken by them from the city of Boston, and shall thereafter keep the same and all water works constructed by them, and all bridges which they may build across said reservoir upon the Nashua river, and (until they abandon the same by notice in writing to said city) said Chestnut Hill reservoir, safe, and shall have charge of, use, maintain and operate the same, and the Commonwealth shall exclusively be responsible for all damages caused thereby or by any defect orwant of repair therein; said board shall have the exclusive right and control over all ponds and reservoirs used by them in supplying water, and may order all persons to keep from entering in, upon or over, the waters thereof and the lands of the Commonwealth, city or town, surrounding the same; may inspect the water works and fixtures in any city or town supplied wholly or in part from the works under their charge, and may take all proper measures to determine the amount of water used and wasted and to prevent the improper use or waste of water.

#### PURCHASE AND SALE OF PROPERTY.

SECT. 11. Said board and any city, town or water company aforesaid, may agree with each other for the storing or pumping of water, or the furnishing of the same as aforesaid by either party to any city, town or company; and any such city, town or company may sell to said board, and said board may purchase any property of such city, town or company, whether taken by eminent domain or otherwise, that said board may deem desirable for use in furnishing, as aforesaid, water to any city, town or water company; and said board may sell at public or private sale any property, real or personal, whether taken by eminent domain or otherwise, no longer needed for the water works under their charge, or may from time to time lease any property not then so needed. The proceeds from the operations of said board shall be paid into the treasury of the Commonwealth.

## EXPENSES AND DAMAGES.

SECT. 12. Said board shall incur such expenses as they deem necessary in constructing, operating and maintaining the water works under their charge: may agree with the party injured, upon the damages sustained by any city or town by the taking or use of its lands, ponds, reservoirs, water sources, acqueducts or other property, or the cancellation of contracts, as aforesaid: the damages sustained by the town of Clinton by any interference with its sewerage system or with its drainage rights or privileges; the damages sustained by any person or rainoad or other corporation in property by any taking of property or by any change of grade, alteration or discontinuance of any railroad or public way, or by the construction or maintenance of any reservoir or other work, or by the interference with the use of any water, or by any other

act or thing done by said board under this act; shall save harmless the several cities and towns within which any road, street or way is dug up as aforesaid, against all damages for injuries resulting from a defect or want of repair in any road, street or way, caused by such digging up, or by constructing, laying, maintaining or repairing any aqueduct, conduit, pipe, wire or other works therein, and shall furnish without charge to all towns within which any work is done under authority of this act such additional police protection as may be necessary in consequence thereof: provided, said board shall have due and reasonable notice of the claims for such damages and opportunity to make a legal defence thereto.

#### PETITION FOR JURY.

SECT. 13. Said board, city, town, person or corporation, if they cannot agree upon any damages, sustained as aforesaid, may, except in the cases in which payment is otherwise provided for in this act, within two years after the day of the taking of any land, water, easements or other property, or of the use of any property, or of the making of any change of grade, alteration, discontinuance or location of a way or railroad, or of the doing of any other act or thing causing the damage, file in the office of the clerk of the superior court for the county in which the property taken, used or affected in value by such taking or other act of said board is situated, a petition, signed by the petitioner or the attorney of the petitioner, for a jury to determine such damages, and thereupon, after such notice as said court shall order, the damages so sustained shall be determined by a jury in said court, in the same manner as damages for lands taken for highways are determined. In determining any damages caused by any change of grade or discontinuance of a public way or railroad, or the substitution of a part of a public way or railroad for another part, there shall be taken into account any benefit to the party injured received from this act and anything done thereunder. Interest shall be included in such damages from the date of the taking, or the doing of the act or thing causing the damages, and costs shall be taxed and execution issued as in civil cases, against the Commonwealth in case the petitioner prevails, and against the petitioner in case he does not prevail. Damages for the temporary use of or injury to property may, on the request of the petitioner, be assessed by monthly payments, to be continued so long as the property is used.

# COMMISSIONS MAY BE APPOINTED TO DETERMINE DAMAGES.

SECT. 14. Said board, upon the application of the owner of any real estate taken for said proposed reservoir upon the Nashua river, or the owner of any real estate entered upon and used, or of any real estate injured by the taking of the waters of said Nashua river, whether said real estate is within or without the Commonwealth, or of any real estate not taken but directly or indirectly decreased in value by this act or the doings of said board thereunder, situated in the town of West Boylston or in that part of the town of Boylston on the northerly side of said proposed reservoir, or in that part of the town of Clinton on either side of River or Grove streets, between the dam of said proposed reservoir and a line drawn from the northerly corner of Oak and Boylston streets to the northerly corner of said Grove and Nashua streets, and not owned on the first day of April in the year eighteen hundred and ninety-five, by the owner of the Lancaster Mills, may agree with such owner upon the damages to be paid for such taking, injury or decrease in value, and if said board and the owner of any such real estate cannot agree upon such damages, such owner may, within two years after the first taking of water, or of land for said reservoir, under the right of eminent domain, file in the clerk's office of the supreme judicial court for the county of Worcester, in term time or vacation, a petition for the determination of such damages, and thereupon said court, after notice by publication in some newspaper published in the county of Worcester, and in such other manner as the court may order, that all persons entitled to file such petitions will be heard by said court on a day therein named, and a hearing thereon; shall from time to time appoint one or more commissions, each consisting of three disinterested persons, and may after notice and hearing fill any vacancy occurring in any such commission until all petitions referred to it have been heard and determined. Each of said commissions shall, after notice and hearing, determine the damages specified in all such petitions as may be filed as aforesaid and referred to it by said court; and if the owner of any such real estate, no part of which is taken but which is decreased in value, shall in the petition aforesaid signify his willingness to surrender the real estate, or if there is a mill thereon, the real estate and machinery thereon, to the Commonwealth, the commission shall also determine the value of such real estate, or real estate and machinery, and interest may be included in such damages and in such value at such rate and for such time as the commission may deem just and equitable. Said commissions shall determine the damage to and value of real estate, machinery and business, and from time to time report their determinations on the petitions of such owners to said court. In case any individual or firm owning on the first day of April in the year eighteen hundred and ninetyfive an established business on land in the town of West Boylston, whether the same shall be taken or not under this act, or the heirs or personal representatives of such individual or firm, shall deem that such business is decreased in value by the carrying out of this act, whether by loss of custom or otherwise, and unable to agree with said board as to the amount of damages to be paid for such injury, such damages shall be determined and paid in the manner hereinbefore provided. The words "real estate" as used in this section shall include water rights, and in the case of mills all machinery thereon.

## PAYMENT OF DAMAGES.

SECT. 15. Said board shall, upon agreeing upon any damages, or upon the acceptance by said court of any determination specified in the preceding section, notify the owner that they will pay the damages, or in case the petitioner offers to make surrender, if they so prefer, they will pay the value so agreed upon or determined, and if any such owner shall in accordance with such notice and within one year after being so notified, deliver a release of such damages or a deed of the real estate, to and satisfactory to, said water board, said water board shall certify to the treasurer of the Commonwealth the amount to be paid such owner. and said treasurer shall pay the same from the proceeds of the bonds hereinafter provided for. Said water board, or any persons whose property is taken under the right of eminent domain, or entered upon or injured by the taking of said water, if dissatisfied with any determination of damages made by any commission, may at the term on which such determination is filed in court, or at the succeeding term, claim a trial by jury to determine such damages, and thereupon the damages shall be determined by a jury in said supreme judicial court as provided in section thirteen of this act.

# PAYMENT TO CITY OF BOSTON AND TOWNS OF BOYLSTON AND WEST BOYLSTON.

SECT. 16. The treasurer of the Commonwealth shall, from the proceeds of the bonds hereinafter provided for, reimburse the city of Boston for all moneys paid or that may hereafter be paid by said city for land damages, or otherwise, in connection with the location, building or

maintenance of reservoirs or basins not yet built, or for lands taken for the preservation or protection of the purity of the waters of any reservoirs, or basins or of the tributaries thereof, and shall pay as part of the expenses of said metropolitan water works to the town of Boylston the sum of two thousand dollars a year, and to the town of West Boylston the sum of twelve thousand dollars a year for the year of and each year succeeding said taking of the waters of said Nashua river, so long as each of said towns remains a municipality, and shall pay no tax or other payment to either of said towns on account of any property held by said water board for the purposes of a water supply.

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#### METROPOLITAN WATER LOAN.

SECT. 17. The treasurer and receiver general shall, from time to time, on the request of said board, issue negotiable bonds in the name and behalf of the Commonwealth, and under its seal, to an amount not exceeding twenty-seven million dollars, designated on the face thereof, Metropolitan Water Loan. Said bonds shall be deemed a pledge of the faith and credit of the Commonwealth, shall be countersigned by the governor; shall have the principal and interest made payable thereon, in gold coin of the United States of America or its equivalent; shall bear interest payable semi-annually on the first days of January and July of each year; shall be registered, or with interest coupons attached; shall be payable within such terms not less than thirty nor more than forty years, and shall bear such rates of interest not exceeding four per cent, per annum, and be issued and disposed of in such amounts and in such modes and at such times and prices as the treasurer and receiver general, with the approval of the governor, shall from time to time determine. Said treasurer shall, on issuing any of said bonds, establish a sinking fund, and determine the amount to be paid thereto each year, sufficient with its accumulations to extinguish the debt at maturity.

## PROCEEDS FROM SALES OF PROPERTY AND BONDS.

SECT. 18. Said treasurer shall apply the proceeds from the sales of property made as hereinbefore provided, and the proceeds from the sales of said bonds, exclusive of the amounts received from premiums, to the payments for the property taken by said board, the payment of the damages aforesaid, and the payment of the expenses of construction of said water works, and the other payments specified in this act, and shall apply any premiums received from sales of said bonds, any assessments hereinafter provided for paid by the cilies and towns, and the proceeds from the operations of said board, exclusive of the proceeds from sales of property, to the payment of the interest, sinking fund requirements and expenses of maintenance and operation of said water works, and shall take the balance required for said payments, if any, from the proceeds of said bonds, and shall apply the surplus, if any, from the payment of said interest, sinking fund requirements and expenses, for the following year. Said treasurer shall advance to such person as shall have been designated by said water board and shall have given a bond with sufficient sureties, to be approved by the auditor of the Commonwealth, in the sum of ten thousand dollars, such sums, not exceeding ten thousand dollars at any time, as said auditor may certify to be necessary to enable said board to make direct payment upon the pay rolls and other accounts of said board, and such persons shall, as soon as may be after expending any sum so advanced, and in all cases within thirty days from the receipt of any such sum. file with the auditor a statement in detail of the moneys expended subsequent to the last previous accounting, approved by said water board, and where it is practicable to obtain them, also file receipts or other like vouchers of the persons to whom the payments have been made.

## ESTIMATE AND APPORTIONMENT OF ANNUAL EXPENSES.

SECT. 19. Said treasurer shall in each year estimate the amount, in addition to the premiums from sales of said bonds and the proceeds from the operations of said board, exclusive of the proceeds from sales of property, required during the year to pay the interest, sinking fund requirements, expenses of maintenance and operation of said water works, and shall apportion to the city of Boston the proportion of such amount that the valuation of said city for the preceding year bears to the total of all such valuations of all cities and towns in said water district: provided, however, there shall be included only one sixth of the total valuation of any such city and town which has not reached the safe capacity of its present sources of supply in a dry year, as determined by said water board and certified to said treasurer, and has not made application to said board for water, and the remainder to the other cities and towns in said district, one third in proportion to their respective valuations and the remaining two thirds in proportion to their respective populations, including however only one sixth of the total valuation and one sixth of the total population of any such city and town which has not reached the safe capacity of its sources or of the sources of supply of the water company by which a town is supplied, or has not made application for water as aforesaid; and provided, further, that any city or town assessed upon its full valuation and population, which furnishes a part of its water supply from its own works or receives a supply from a water company, shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said water board and certified to said treasurer, and provided, further, that no such amount shall be so apportioned until the year eighteen hundred and ninety-eight, and in said year only the amount of three hundred thousand dollars shall be apportioned, and the sums of money expended by the state board of health under chapter four hundred and fifty-nine of the acts of the year eighteen hundred and ninety-three and chapter four of the resolves of the year eighteen hundred and ninetyfive, and in the succeeding years the said amount of three hundred thousand dollars and two hundred thousand dollars additional for each year thereafter shall be so apportioned until the entire amount required as aforesaid is reached, and thereafter such entire amount shall be so apportioned. Said treasurer shall in each year notify each city and town of the amount of its assessment, and the same shall be paid by the city or town into the treasury of the Commonwealth at the time required for the payment and as part of its state tax.

## CONTROL AND DISTRIBUTION OF WATER.

SECT. 20. The water board, water commissioners or superintendent of any city or town in the metropolitan water district, shall for their respective cities or towns, on and after the first day of January in the year eighteen hundred and ninety-five, have the charge and control of the water sources, water and water works owned and used by said city or town and not taken or used by said metropolitan water board as herein provided. Said water board, water commissioners or superintendent shall distribute and control the use of the water so furnished, and apply meters and extend the pipes and other work as said water board, water commissioners or superintendent may deem expedient; shall keep the pipes, fixtures and other works under their charge in good condition and repair, but shall not expend in any year more than the amount appropriated by the city or town therefor. Said water

board, water commissioners or superintendent, with the approval of the mayor or selectmen, shall determine the rate to be paid for water by the owner of the premises to which the water is furnished, or by the person or persons using the water: provided, however, that the minimum rates to be paid for water, and the premises to which the high service supply shall be furnished, shall be subject to the approval of said metropolitan water board. Any water board, water commissioner or superintendent as aforesaid shall for the water works under his charge do all the acts and things relating to buildings, machinery, roads, conduits, aqueducts, pipes and drains, which said metropolitan water board is authorized to do for the water works under their charge, and may take lands therefor, in fee or otherwise, and shall do all such acts and things and make all such takings in the manner in which said metropolitan water board are authorized to do similar things, and the damages sustained shall be recovered of, and paid by, the city or town for which such water board, water commissioners or superintendents are appointed or elected, in the same manner as damages caused by similar acts of said metropolitan water board are recovered of, and paid by, the Commonwealth.

## APPLICATION OF INCOME.

SECT. 21. The income received in each city or town from the water works under the charge of its water board, water commissioners or superintendent, shall be applied to the payment of the expenses of maintenance and operation incurred by said water board, water commissioners or superintendent; the interest and sinking fund requirements of all bonds, notes or scrip of the city or town issued on account of the water works of such city or town; the assessment of the city or town to be paid to the treasurer of the Commonwealth as hereinbefore provided; the expenses of the extension of the works; and the balance, if any, as the city or town may determine. If such income in any year shall not be sufficient for said payments the balance required therefor shall be raised by taxation or by loan, as the city or town may determine; and the city or town is hereby authorized to assess such taxes and make such loans without further authority from the legislature.

#### WORCESTER AND CERTAIN TOWNS MAY TAKE WATER.

SECT. 22. The towns of Clinton, Sterling, Boylston, West Boylston, Lancaster, Holden, Rutland, Princeton, Paxton and Leicester, and the city of Worcester, may take from the south branch of the Nashua river, above the dam of the proposed reservoir on said river, so much of the water thereof as they have already been or may hereafter be authorized by the legislature to take, for supplying their inhabitants with water, and in case either of the towns of Lancaster, Holden, Rutland, Princeton, Paxton or Leicester, or the city of Worcester, shall so take water, it shall pay to the Commonwealth, to be paid into the sinking funds for said bonds, a fair proportion of the cost incurred by the Commonwealth for said water and for the construction, maintenance and operation of said works, the same to be determined by the engineer of said board and an engineer to be appointed by the city or town, and if they cannot agree, the proportion shall be determined by a master to be appointed by the supreme judicial court on the petition of either party interested, and the report of such master made and accepted by said court shall be final and binding on all parties.

#### USE OF WATER IN DISTRICT RESTRICTED.

SECT. 23. No city or town, any part of which is within ten miles of the state house, or any water company owning a water pipe system in

any such city or town shall, except in case of emergency, use, for domestic purposes, water from any source not now used by it except as herein provided or as shall be hereafter authorized by the legislature. If any town or towns in said district shall take the franchise, works and property in such town or towns, of any water company, the compensation to be allowed and paid therefor shall not be increased or decreased by reason of the provisions of this act. No town in said water district now supplied with water by a water company owning the water pipe system in such town, shall introduce water from the metropolitan water works until it shall first have acquired the works of such company.

## SANITARY PROTECTION OF WATER.

SECT. 24. The state board of health is hereby authorized and required to make rules and regulations for the sanitary protection of all waters used by the metropolitan water board for the water supply of any city, town or water company aforesaid, and to transfer and deliver to said water board, such plans, maps and other information in their possession as will assist said board in carrying out the provisions of this act.

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## IMPROPER USE OF WATER PROHIBITED.

SECT. 25. No person shall take or divert any water of a water supply of any city of town in said water district from any water source, reservoir, conduit or pipe used for supplying such water to, or in any such city or town, or occupy, injure or interfere with any such water, or with any land, building, aqueduct, pipe, drain, conduit, hydrant, machinery or other work or property so used, and no person shall corrupt, render impure, waste or improperly use, any such water.

## PRECEDING SECTION NOT TO APPLY IN CERTAIN CASES.

SECT. 26. The provisions of the preceding section shall not apply to any person in taking or diverting any such water or interfering with or occupying any water, land or works therein described, by permission of said metropolitan water board, or the water board, water commissioners or superintendent of any city or town having charge of the land, water or work; nor to the individual inhabitants of any city or town within the watershed of any water supply used by said metropolitan water board, or by any city or town aforesaid, in taking from the part of the supply or from the tributaries of the supply within their respective city or town limits so much of the water thereof as they shall need for their ordinary domestic household purposes, for extinguishing tires, or for generating steam.

## ENFORCEMENT.

SECT. 27. Said metropolitan water board, and their employees designated for the purpose, shall enforce the provisions of this act, and of the rules, regulations and orders made thereunder, and may enter into any building, and upon any land for the purpose of ascertaining whether sources of pollution there exist, and whether the provisions of this act and of the rules, regulations and orders made as aforesaid are complied with; and, where the enforcement of any such provisions, rules, regulations or orders will require public works for the removal or purification of sewage, said metropolitan water board shall not enforce the same until they have provided such works, and the amount paid therefor shall be considered as part of the expenses of construction of the metropolitan water works, and such works shall be maintained and operated as a part of said water works.

## JURISDICTION OF THE COURTS.

SECT. 28. The supreme judicial court or any justice thereof, and the superior court or any justice thereof, shall, in term time or vacation, on the petition of said board or any city, town, corporation or person interested, or of the attorney of any such petitioner, have jurisdiction in equity or otherwise to enforce the provisions of this act, and of any rule, regulation or order made under the authority of this act, and to prevent any violation of said provisions, rules, regulations or orders.

#### PENALTIES.

SECT. 29. Whoever shall do any of the acts herein prohibited, or shall violate or refuse to comply with any rule, regulation or order made under the authority of this act shall, on complaint or indictment therefor and conviction thereof, be punished for each offence by a fine not exceeding five hundred dollars, to be paid to the Commonwealth, or by imprisonment not exceeding one year in the house of correction, or by both such fine and imprisonment.

#### GENERAL LAWS.

SECT. 30. All general laws relating to the water supplies of cities and towns or the lands and other property used for such supplies shall, so far as they are not inconsistent with the provisions of this act, apply to and be observed in carrying out the purposes of this act.

# CONSTRUCTION OF WORKS.

SECT. 31. In the construction of these works preference in employment shall be given to citizens of this Commonwealth.

SECT. 32. This act shall take effect upon its passage. [Approved June 5, 1895.

THE PROPERTY OF STATES OF THE STATES OF THE

## THE COMMONWEALTH OF MARSACHUSETTS

In the fear One Thousand Aine Jundred and Lighty-four

AN ACT PERTAINING TO THE METROPOLITAN VATER DISTRICT AND THE METROPOLITANA
SEVER DISTRICT OF THE METROPOLITAN DISTRICT COMMISSION.

Pheress. The deferred operation of this est would take to defeat its purpose, which is to immediately establish the Manusconnetts Vater Resources duthomity, therefore it is hereby declared to be an energency is. necessary: for the immediate preservation of the public convenience.

So it spected by the Senate and force of Representatives in General Court:

. SECTION 1. It is hereby determined that:

- (a) Providing vater supply services and sowage collection. Treatment and disposal services to arome of the communicate assess up of the cities and towns; now served by the entropelation district commission is an essential public purpose. The preservation and improvement of the health, veifare and living convidence of the citizency, the preservation and emigrowent of industry and improvement and all other aspects of commerce, the protection, impervation, assertation, assertation and improvement of an adequate vater supply the sound satisfacence, operation and improvement of an adequate vater supply distribution system and an adequate sowage collection, treatment and although system. The financing requirements for such vater supply and sewage collection, treatment and disposal systems are substantial and require independent financial resources, including the ability to rely on user charges to prover costs of providing such services and the ability to find capital programs; without under reliance on the general obligation credit of the commonwealth.
  - create an authority to ichieve the following goals, purposes and objectives:
  - (1) efficient and economical operation of vater delivery and sewage correction. Itsposal and treatment systems including programs for less detection:
    and reduction of infiltration and inflow for the service areas of the Author107:
  - (12) THESE. SEPLECAMENT, PRESIDENTIAL ON ADDRESS AND EXCEMBER OF THE DESIRE AND ADDRESS OF THE AUTHORITY, INCLUding the financing on a self-

sustaining besis of capital and operating expenses :tiating thereto:

- (III) establishment and administration of equitable charges, innsistent.

  With the objectives of this act to conserve water and improve the quality off
  the environment, for vater delivery and lewage collection, disposal and treat-
- (IF) professional and productive stangement of and system-wide planning for the delivery of valor and sewage collection, disposal and treatment services;

all of which are declared to be for the public benefit. In incessitate the creature of the extherity, and to make it necessary and expectant to yest in the extherity the powers granted by this act.

(e) The communical faces important noons for fostering efficient use of vater, for efficient planning and improvement of the delivery of vater and semage collection, disposal and treatment services to valch use an authority themsis be established and vested with artempive operating, financing and regulatory powers to provide appropriate means for addressing these seems.

Therefore, it is declared to be in the seat interest of the commonwealth and its inhabitants, to promote the questa needth and veifure. In improve commerce and living conditions, to commerce water, and to develop and protect in the public interest the netural resources of the commonwealth. That there he established the Harmathmaster Water Resources Authority emoveres to over-sea, regulate, finance, and improve the delivery of vater and image unlike-time. Historia and treatment system and services, and to encourage conservation, as provided in this act.

This act may be cited as the Massacrusetts water Resources Authority Act.
SECTION 2. As used in this act, misse the context clearly indicates
otherwise, the following words and phrases shall have the following meanings

- (4) "MOVISORY SORRY", the MOVISORY SORRE ESTABLISHED BY SECTION CHARGY-Chros:
- (b) "Authority", the Massachusetts Vator Resources Authority treated to
- (c) "londs", bonds, total or other evidences of indestinances of inn
  Authority:
- d) "List", as applied to any project of the Authority, any of 1 .

  COSTS, VORSEVER INCRETED, or carrying out and placing such projects in operstion. Including, Vithout limiting the generality of the foregoing, impunts

for the following: acquisition, tenstriction, expansion, improvement and fencebilitation of facilities; acquisition of real or personal property:
despittions and relocations; labor, naturalis, secondary and equipment; services of architects, engineers and environmental and financial experts and
other consultants; feasibility studies, plans, appendications and surveys;
interest prior to and during the carrying out of any project and for a reasonable period thereafter; reserves for debt service or other capital or current,
expenses; costs of issuance; and vorking capital, administrative expenses;
lagal expenses and other expenses seems any or incidental to the aforessid, the
financing thereof and to the issuance therefor of bonds under the provisions of this act;

- (e) "Costs of issuance". May emperis payable or resourceable directly or indirectly by the Authority and related to the sale and issuance of bonds and the inventment of the processes thereof and of revenues securing the sales and including, without limiting the generality of the foregoing, printing costs... filling one recording fees, fees and charges of trustees, depositories, authoriticating agents and paying agents. legal and auditing fees and charges, financial consultant fees, costs of credit ratings, premiums for insurance of the payment of bonds and fees payable for letters or lines of treat or other credit facilities securing bonds, underwriting or placement costs, fees and charges for execution, transportation and safekeeping of bonds, mosts and appears of refunding and other costs, fees and charges in connection with the foregoing:
- commanded or payable by the authority vith respect to the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the cost of a project, and other currents or property and payments in the system real property of the authority vith respect to the system real property of the authority vith respect to the system real property of the fundaments of the system real property.

- (2) "Division", the division of Vaterages sanagement establishes by section for the continuous cont
- (h) "Local bony", a city, town, district, commission, or other political, subdivision or instrumentality of the communicate responsible for providing by itself or through an officer, board, department or division thereof local water supply or local sewer services; except as otherwise expressly provided, herein, in any case where local water supply or local sewer services within the territorial boundaries of a local body are provided in whole or in part by a political subdivision or public instrumentality of the communically separates from such local body, the term "local body" as used in this set shall mean, within the service area thereof, that political subdivision or public instrumentality.
- (i) "MC somer system", the somers and other veries of the secrepolities district commission which comprise the system of somers disposal of the secrepolition sowage district on the effective date of this act, including and interests in real and personal property, equipment, appartmensures. Structuress and fagilities held by the commonwealth or the secrepolities district nomination in the commentation and operation thereof:
- (/) "MC vater system", the veter verse of the entropolities district commission which comprise the system of neuropolities veter works of the sector-polities water district on the effective date of this act, including all intervents in real personal property, equipment, appartmentages, structures and facilities hald by the communealth or the secrepolities district commission in commercial with the ownership, saintenance and operation thereof:
- (h) "Ferror", any tattical or corporate person, including bostes political comporate, public deserments, offices, agencies, authorities and political subdivisions of the communicate instrumentalities of any one or more political subdivisions of the communicate instrumentalities of any one or more political subdivisions of the communication.
- (1) "Project", any uncertaining or other activity by or on seasif of the inthority to selected or improve the system, including, victious limiting the processity of the foregoing, my extension, expension or selection thereto, any acquisition, construction, reconstruction or elegration of my part thereof and any other investment therein:
- (a) "levenues", all therees and other receipts derived by the Authority from operation of the watervorus and sever systems and from all other Activity

ties or properties of the Authority including, without limiting the generality:
of the foregoing, proceeds of grants, gifts or appropriations to the Authority, investment earnings and proceeds of insurance or condensation, and they
sale or other disposition of real or personal property:

- (a) "Safe yield", that amount of vater that can be safely withdrawn from:
  A water supply source without impairing the anality of such source to supply:
  said amount of vater on an average annual banks, as determined by the division of vaternhed management and commented on by the division of environmental protoetion within the department of the attorney general.
- (e) "Some system", the somer-system of the Authority, consisting of (1) the system personal property formerly a part of the MDC sever system: transferred to the Authority in assertance with section four. : ... the interest of the Authority created by this act in the system real property valca was. a part of the MDC somer system immediately prior to the effective date of this. ACC. (ILI) all extensions, enjargements, improvements and additions to their former :DC sever system acquared, constructed or operated by or on beneat of the Authority, and (iv) each other system for collection. :reatment or illpossi of 100000 accurred or constructes of or on bessif of the authority in. .. W. . TO DESTROBE WE REVENUE OF TO THE ELECT TO SECURIORIES THE SECURIORIES The sever system small include, without limiting the generality of the foregoing, severs, papes, commuta, pump stations, force eases, intercaptors, ireat. SEET WOTER AND OTHER STRUCTURES, GOVICES, APPRICAMENTS AND SECTIONS WILL-" 1206 for sewage collection, disposal and treatment and franchises, privileges. plant, equipment and real and personal property and rights and interests ::" every tind relating thereto:
- (2) "System", the sewer system and the vacarworks system of the Authority and the watershed system of the division.
- (q) "System personal property", all personal property held by or one behalf of the commenceath in the MDC sever system and the MDC water system. including, without limitation, all equipment, machinery, venticles and appliances.
- (r) "System real property", all real property held by or on bessif of their commonwealth immediately prior to the effective date of this act in ind tori the "DC sewer system and the MDC vater system, including all land, easements... and other interests in real property, including, vithout limitation, real property interests in buildings, structures and improvements and in sources of:

- (J) "Timater date", for those employees being transferred to the Authority, July first, nineteen hundred and engary-five; for those employees being transferred to the division, January first, nineteen hundred and engary-five.
- (f) "Users", local bodies, utilizing water or sever services of the Authority;
- (a) "Jatarrand system". (i) all real and personal property interests: held by or on behalf of the communically immediately prior to the effective date of this set in and for the HDC water system which were part of or appurtenent to the Quabbin veterance. Quabbin Reservoir, Vary River vaterance. Vacionatt vaterabes, Vacionact Incarrets, North and South Sudbury vaterances. Suchury Reservoir, Franceises reservoirs 1, 2 and 1, line Mills Reservoir. Sear fill Emeryour, Spot Pont Seneryour, Fells Seneryour, Venton Reservoir, Moremony Reservoir, Charmes Sill Reservoir, including land, easements... building, structures, all equipment, resultary, ventiles, and appliances, improvements, vater rights and rights in sources of vater supply and. ....) All "eniappears and additions to the former :DC vater system acquired or ton-land, essenate, building structures, equipment, mannery, vencies, and applicates, improvements, reservoirs, dams, vator rights and rights in sourcess of voter supply; but excluding in each case the veterworks system as defined hereis:
  - (F) "Voterverse system", (f) all real mad personal property interests in the system of vaterverse held by or on behalf of the commonwealth immediately prior to the effective date of this act in and for the MDC vater system, including all plants, verse, commentions, assessed, mains, pipe lines, pussering plants and facilities, vaterverses buildings and structures, standauses, these and appartments, all equipment, machinery, ventcles, and appliances, and all lands are essented directly appartment or incident to the mainternments of operation thereof, and (ii) all extensions, anlargements, improved operated by the authority inclinding all plants, verses, commentants, aqueducts, maintenance by the authority inclinding all plants, verses, commentants, aqueducts, same, pipe lines, pumping plants and facilities, vaterverse building and structures, standauses, takes and appartmented, all equipment, machinery, vehicles, and appliances, and all lines and essented directly supurtaneant on incident to the same appliances, and all lines and essented directly supurtaneant on incident to the same appliances or operation thereof;

SECTION 3. (a) There is hereby created and pieces in the executive office of environmental iffairs a polypolitic and corporate and a public instrumentality to be known as the Massachusetts vater Resources Authority.: which shall be an independent public authority not subject to the supervisions or control of the executive office of environmental affairs or of any other: executive office, impertment, commission, board, bureau, agency or politically subdivision of the commission except to the extent and in the same provided in this act. The exercise by the authority of the powers conferred by this act shall be deemed to be the performance of an essential public function.

(b) The powers of the Authority shall be exercised by or under the supervision of a board of directors consisting of eleven sensors. One sensor of: the board of directors shall be the secretary of the executive office of enviromental affairs, serving as offices, one sensor of the board of sursctors! who is a resident of a Consectiont river tasks community who represents valer. resources protection interests shall be appointed by the governor and shall serve coterateous with the governor, one sensor of the board of directors who is a resident of a Merriagen river basin community who represents vaters resources protection interests shall be appointed by the governor and ansill serve cotsrenous with the governor, one sensor of the board of itractors shall be appointed by the governor upon the recommensation of the mayor off Quincy in accordance with the proceedure set forth in paragraph (c) and soaill serve a tarm of four years, one sensor of the board of directors shall :appointed by the governor upon the recommendation of the board of selection of the town of Vinthrop by easority vote, in accordance with the procedure sett forth in paragraph (c) shall serve a term of four years: provided lowever ... that one of the previous names five compers shall be a samerity person: :nraw semmers of the board of directors small be appointed by the mayor of the sittle of Soston and shall serve comparations with the meyor, and three memoers oil the board of directors shall be appearated by the advisory board as provided and section twenty-three of this act. Hembers appointed by the advisory mard shall serve for taxes of six years, provided, however, that, of the sessers first appointed by the advisory board, one small serve for a tarm expiring an Jume thirtieth. aimeteen hundred and eighty-six, one shall serve for a term empiring on June chirtieth, mineteem numbers and engaty-eight, and one that serve for a term expering on June thirtisth, himeteen hundred and himety. ....

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appointment. Persons appointed to terms succeeding the terms of nembers into the like of terms of nembers into the appointment. Persons appointed to terms succeeding the terms of nembers into theily appearance by the advisory board, shall be appearance to terms of sixty years. For the purposes of this paragraph a Connecticut river basin community shall include any city or town in the commonwealth lying in whole or in part: in the drainage area of the Connecticut river or its tributaries. A Magrinack: river oasin community shall include any city or town in the commonwealth lying in whole or in part in the drainage area of the Magrinack river or its tributaries. A magnitude to the definition of the sales of the answer forth in the definition of the magnity commands in section forty C of chapter seven of the General Laws.

(d) The memory of the beard of directors to be appointed by the governor.

Upon the recommendation of the mayor of the city of Quinty and the board off
selection of the town of Vinthrop small be chosen by the governor from a list;

of three qualified persons submitted to the governor by said sever and a listof three qualified persons submitted by said board.

The povermor small make such appointment within fourteen calendar caves safter receiving said list. If there should exist a vacanty in a position on the board of directors which is to be appointed in this samer, said vacanty shall be filled through the processure set forth nersia.

(d) Each sensor of the poers of directors small serve until his successors is appearant and qualified and each appearant member of the source of directors: shall be eligible for responsement. Each sensor of the years of directors. expension to fill a vacancy on the oward small be appeared for the unambired tame of the vacuum position. Each sensor of the board of directors before entering upon all duties shall take on data before the governor to sometimen the cuties of office faithfully one importably one : record of such parase shall be filed in the effice of the secretary of the communeath. My sensors of the board of directors may be removed by the appointing authority for all " fearures, selfessures or walful negions of duty upon the filing by them appointing enthority with the sourceasy of the commonwealth of a statement of facts and currenteness which form the banks for such recover. The secretary of the executive office of covarcemental affairs shall be the consumes of the ARTHORITY. The board of directors amusily shall elect one of its sensors and vice-contract. Six sensors of the court of directors stall constitute a quecome the affirmative vote of the sensors small be necessary and small suffice for any action taken by the poars of directors. May action of the poarci vine provided by igh. No vacancy in the semberature of the board of directors. Shall impair the right of a quorum to exercise the powers of the board of directors. The sembers of the board of directors shall serve vitnout comments. The sembers of the board of directors shall serve vitnout comments. Setion but each sember shall be reimbursed for all reasonable expenses incurred in the performance of his duties. The board of directors shall be deemed to be a governmental body for purposes of and shall be subject to section eleven A and one-mail of chapter thirty A of the General Laws. The Authority shall be deemed to be an agency for all other purposes under said chapter thirty A. The Authority shall also be subject as an authority of the commonwealth to section forty-two of chapter thirty and section ten of theorem sixty-six of the General Laws. The Authority shall be deemed to be a public body and all somice of the Authority shall be deemed to be a public.

(e) Nothithstanding any other provision of general or special law to their contrary, any sensor of the communication of a city or town or other public tody shall not thereby so precluded from voting for or acting on beneal of the Authority. The communication of such city or town or other public body on any satter: involving the Authority, the communication or that city or town or other public body and any sensor, officer, aspicyon or agent of the Authority shall not be precluded from acting for the Authority on any particular satter solely because of my interest therein which is shared generally with a substantially segment of the public. The Authority shall be deemed to be a state agency for purposes of chapter two numbers and sixty-eight A of the General Laws and a governmental body for purposes of chapter two numbered and sixty-eight B of the General Laws and a governmental body for purposes of chapter two numbered and sixty-eight B of these

SECTION 6. (a) On July first, nineteen numbered and eighty-five, homer-ship, possession and control of the system personal property as it relates to the sever and vaterworks system shall pass to and be vested in the Authority without consideration or further evidence of transfer and shall increases the in the ownership, possession and control of the Authority. All records the custody of the secropolitan district commission under thapter one numbers and seventy-two of the acts of nineteen numbers and thirty-nine shall remain the secropolitan district commission. All books, haps, hapers, plans, records the secropolitan district commission. All books, haps, hapers, plans, records and documents of whatever description pertaining to the design, construction.

. . .

operation, and affairs of the MCC sewer system and the MCC vater system. Containing to the MCC vaterance system, value are in the possession of the entropolitin district commission on January first. Simulation bundred and eighty-five, or which thereafter come into the possession of the secrepolitin district commission also shall be transferred and delivered to the Authority to its use, ownership, possession and control. All such system personal property as it relates to the vaterance system shall remain in the secrepolitin district commission and be assigned to the vaterance management; division.

- (b) As of July first, measure homorous and engagy-five, the commonwealth grants to the Authority, subject to limitations under other has in force on the effective data of this set and limitations contained in this set. The emalmater right for so long as the Authority shall not have seen terminated in accordance with section twenty-the to utilize for water supply purposes all such quantities of vater is new be safely yielded from the vateraged system or as quantities of vater is new be safely yielded from the vateraged system or as quantities any have seen provided by the general insist for the vaterance system. The Authority's right to utilize the vaterance system shall include the delivery, distribution and sale of vater thereof by the Authority and the receipt by the Authority as its revenues of the Authority's charges therefor.
- (c) The ownership of the system reel property, as it relates to the severi and veterworks systems shall not be transferred to the Authority under this see, but the Authority, is of July first, innerees numbered and eighty-five. shail have the rights to enter. use, improve, operate, maintain and massage that portion of the system real property in accordance with this act, such right to be subject to revocation by the communication through ... egis.attion CASESSA DY the general court. The communestith hereov covenants that in the event such rights are revoked by the general court, such rights shall be transferred to such other public body to the general court shall lesignate. and the communication further covenants that whatever public body assumes such rights shall discharge and provide for the satisfaction of all the obligations of the Authority, including, but not limited to, its obligations to provide for payment of the bonds of the Authority. The ownership of the system conf. property is it relates to the veterance system shall remain in the commonvesith and the veterance samegement division of the secrepoints district :==sission shall samage all such properties provided for by this act.

Under this act (1) to lands or easements taxen or acquired for the our-

transming July first, namesses tungred and expoty-three: ... with respect to tent larrice relating to the SC lower system which shall be incurred in the fiscal year of the components commencing July first cinesaen cunared and: eighty-four: (iii) with respect to all costs and expenses including deot service which shall be incurred for operation of the water supply system for the fiscal year of the communication communication first nineteen numerou and elenty-four. No repeal or amendment of laws pursuant to tections thirty through seventy-two of this act shall revoke the coligation of any person to same payments to the commonwealth, including, without limitation, inarges or tesessence under chapter sinety-two of the General Laws and section twenty of chapter fifty-nine of the General Learn, sade prior to July first, sineteens hundred and eighty-four, pursuant to the authorization contained in the precoming sestance and during the fiscal year of the commonwealth transacting it." first. ammeteen sunared and engage-four, and all assumes received by the comme numbering on secount of charges or assessments to be made under the sutherity of the processing sentence and my other assents derived from or related to the operation of said systems during the fiscal year of the communeated comment. ing July first mineteen numbered and engagy-four small be received and held ass funds of the commonwealth and shall not be transferred to the Authority. "otwithstanding any other provision of this set or other law, commencing on July first, ninetees susceen and eighty-five, all amounts of any sind received by the communication, exclusive of assumes derived from or related to the activities extending in section forty-two, which are derived from or related to the operation of the systems including the former :DC sever system or -DC vater. system, exclusive of that portion of the MDC water system comprising the vataribes system as defines in this act, small be deemen to be held in trust for the shall be transferred and paid over to the Authority voem received without further appropriation to be applied to the purposes of the Authority... For Purposes of this section, all references to runes received by the commonwealth small be deemed to include receipt of funds by the secreposition sixt TRICE COMMISSION.

(f) All rules, regulations, licenses and permits duty promutated by on on behalf of the secropolitan district commission respecting the MC seven system and the MC veter system, exclusive of that portion of the MC veter system exclusive of that portion of the MC veter system comprising the veterined system as defined in this act, shall remain in full force and effect to the extent consistent with this act until revised on

poses authorized by article himsey-sever of the Amendments to the Constitution of the Commonwealth shall be used for other purposes or hisposed of the ... to lands devoted to a public use shall be diverted to another inconsistent public use, except in all instances in accordance with the laws and the Constitution of the Commonwealth.

- (d) On July first, mineteen numbers and elenty-five, all proceeds, exc.usive of such amounts for the purposes of equipment, cipital project needs. or LANG ACQUISITION and improvements of that portion of the MDC Vater system conprising the watersmed system, if any, of bonds referred to in section elevent and grants and other sid which are held by the commencealth at the effective date of this act shall them and thereafter be deemed to be held in trust for... and shall upon demand of the Authority be transferred to the Authority to be applied by the Authority to projects for which such books, grants or other aid was authorized. On July first, ameteen hundred and eighty-five, all procooms, if any, of bomms referred to in said section eleven and grants and other aid waich are for the coulpoint, capital project needs, or jane acculattion and improvements of that portion of the MDC water system comprising the vaterized system, shall them and thereafter be expensed by the division on projects for which such bonds, grants or other and was authorized. Wil procooks if any, of bonds, grants or other sid referred to herein, union spani in so held in trust and transferred upon demand, shall be in the amount as cartified by the commissioner of the entropolitin district commission to the state treasurer.

rescinced by the Authority. All such rules, regulations, ........ and permits respecting that portion of the ADC water system comprising the watersned system shall remain in full force and effect to the extent consistant with this thirty-seven of the acts of mineteen numerod and seventy-two. All contractul. rights and liabilities of the metropolitan district commission pertaining :: either the MDC sever system, and the vaterworse functions of the MDC vater system. or the vateranes functions of the MDC vater system, small continue ... full force and effect and all benefits, collections and duties assumed ov and: imposed upon the authority and the division, respectively, so-far as consist. est with the powers granted to the Authority and said division under this act. No liability in tort, or for water pollution unner a statutory or other casis. AFISING prior to July first, nineteen numeron and eighty-five, lowever, inaid. be imposed upon the Authority and this sentence shall apply to all actions or processing, including those commenced prior to the effective data of this. ACE. Except As expressly excepted by the previous sentence, Actions and procassings against or on behalf of the secropolicin district commission. Pertaining to extner the MDC sower system and the vateryorks functions of the MDC! vator system, or the vatorance system functions of the MDC vator system, shall continue unabated and may be completed against or by the Authority or by the division, respectively.

(f) On July first, ninetees numbers and eighty-five, each essence of the secropolitan district commission paid as of the effective date of this active from funds derived from the accounts of the secropolitan severage district in the economical vater district shall become an asserted district in vathous impairment of civil service status and seniority and vathous reduction in compensation, notwithstanding my change in job titles or duties and vater out loss of actives rights to bolidays, sick leave, vacation and benefits, and shall thereafter perform his or her duties under the direction, control and supervision of the Authority, provided, nowever, that any employee subject in transfer under the foregoing provision of this sentence vacas existing duties and responsibilities are determined by the commissioner of the sectorolities district commission to relate directly and primarily to functions of the sectorolities district commission to relate directly and primarily to functions of the sectorolities district commission at the sectorolities district commission is funded in value or in part by items 1610-1000 or 1640-1000 of section two of chapter two

lundred and thirty-four of the sold of fineteen summers and estanty-four and tay amongee. so determined. IS Se transferred to the sivision of veteraned estagement that! Female an employee of the commission, without change in civil. service status, if any, victors any requestion is senterity, immensation. salary, and without any loss of accreed rights to holidays, sick leave, vaca-: tion and other benefits of employment, and shall continue to perform cuties under the direction, control and supervision of the setropolitan district consission. under funding arrangements not thereefter derives from the econunts: of the secrepolities sewerage district or the secrepolities water district. is the intention of the general court in the implementation of this provision: that each employee of the mecropolitan district commission whose compensation is funded from funds derived from the accounts of the entropolities severagedistrict or the metropolitan veter district shall, upon the implementation of the foregoing provisions, then hold employment at the Authority or the sectopolitica district commission. As the case may be, susject, so far as concerns: the authority, to the terms and consistions of employment establishes by this set, and so far as comearns the secremental district commassion. to such rights as say now and hereafter be lawfully protected and provided. Terms or office of employees of the secropolities district commission transferred to the Anthoraty shall not be deemen to be interrupted by such transfer provided that: all employees small be governed by the provisions in section seven for retiresent, pension and group insurance benefits and for protection and preservations of retirement and pension rights bases on their prior service. obligations under collective bargaining agreements with respect to employeess transferres from the secrepolities district commission, except to the extent empressiv incommistant with this act, thail be assumed by and imposed upon the Authority pursuant to section seven (c). Every employee transferred to the inthority under this paragraps who immediately prior to such transfer tolds " permanent appointment classified under chapter thirty-one or has tenure but reason of section nine A of chapter thirty of the General Laws small be entitled to the rights and bemedits of and shall be subject to the provisions relating to tempros employees under chapter thirty-one or section line & of chapter thirty, respectively, with respect to that position.

(b) The taputy commissioner of capital planning and operations shall assist and cooperate with the Authority in making suitable office arrangements, exclusive of the office precises in the outling located at twester

inserset street in Suffork county. In the city of Boston, for the administrative offices of the Authority including, vithout .Instation of the foregoing,. temporary errangements in office presides of the commonwheath voich says include such reduced rents prior to the transfer date as the deputy commissioner shall deep appropriate.

SECTION 5. (a) Notwithstanding any other provision of this act, on Januery first, hineseen numbers and eighty-five or as soon thereafter as a quorum;
of the board of directors say be appointed, the Authority shall undertake their
following: (1) appoint an executive director and such additional staff assistant be necessary for the purposes of this section; (ii) develop its rules,
and regulations, including charges for implementation on July first, hineseem:
hundred and eighty-five; (iii) provide for the implementation of permanent
financing and; (iv) any such other powers necessary for the provision of
vater delivery and sever services on July first, hineseem numbered and eightyfive. Justil the appointment and qualification of semeers of the board all such rights
and powers authority constituting a quorum of the board all such rights
and powers authorities by the provisions of this section say be exercised by
personnel of the secropolitian district commission with the approval of the
secretary of the executive office of environmental affairs.

(b) An amount equal to all requirements incurred in the :DC Sever Finds and the MDC Veter Fund to the extent and in amounts expended for the purposes. of the sewer and vaterworks systems for the fiscal year of the commonwealth commencing July first, timeteen hundred and eighty-four and all amounts sourceprinted by the commonwealth for such period small be repeat to the commonresith by the Authority and credited on the books of the commonwealth as of Ac. later than June thirtieth, himeteen numered and eighty-six. The Authority shall also removers the commonwealth to be created on the comes of the comsomewhith as of no later them june thirtieth, himeteen numbered and eighty-sixt for all them outstanding and unresmoursed cash advances of funds of the componvesith take on or prior to that date for the funding of projects for "EC" sever system or the MDC vater system and, from January first, nimegeen numbered and eighty-five through June thirtieth, sineteen numbered and eighty-five, fort costs of projects of the Authority for the waterworks system and the severi system, to the extant of and in amounts expended for the purposes of the sever: and vaterworss systems. All amounts transferred between the commonwealth and the Authority under sections four and five small be subject to adjustment irons finel quart to be completed vitain two years of the effective tate of this age.

- (c) In order to provide funds in addition to assumts appropriated by the: commonwealth for current amenage of the sever and vataryorss system suffing. the period from the effective data of this act until lacemoer thirty-fift... simpteen sundred and eighty-five the state treasurer, on beauty of the common -wealth, is hereby supported and directed to loss to the Authority through: investment in a note or other appropriate instrument of the Authority, and the. Authority is authorized to borrow from the state treasurer, at any time and from time to time on or prior to December thirty-first, lineteen hunared intieighty-five, on such term and conditions as the state treasurer ind the: Authority shall agree, an assume not in excess of sixty-five cillion follars. ARY ASSESS TO DOTTOWN BY the AMERICATE, WITH INTERPRET THEFOON AT SUCH PROSES." able rate as the state tressurer and the authority socil agree, socil corepeals to the communestith to be created on the boost of the communestic 15. of no later than June thirtieth, hineteen numered and eighty-six. If then AMPRIES 30 loanes, the Authority may transfer to the state transury such AMERICA AN AL COMMA APPROPRIATE CO DE AGRANISTERES LA TRIST FOR THE DURPOSE OF. the value and sever divisions of the secrepolities district commission: 2000vided, however, that such assumes may be expended only after transfer to unde subject to the working of the appropriate line-item appropriations of Saldi divisions, all outside sections pertaining to said items, and all other lives regulating the expensiones of state funds. For purposes of the first sentemes of paragraps (b), seemes expenses from such transfers to the state TRACETY that I not be domen requirements incurred in the secrepolitic 213trict commission sever funt or the secreposition sistrict commission valent fund. Said transfers inail be approved by the secretary of environmental affairs.
  - (d) The Authority is also amenorized to issue at one time or from time to time prior to lune thirtieth. Dimeted humares and ninety, notes of the Authority in the aggregate principal amount of six numeros evillent dollars contextunding at any one time, ascluding notes refunded by other notes. Issued under this paragrams, for the purpose of providing funds for: (1) seeding the number of the Authority to repay or resonance the commonwealth for A.2 paragrams of the Authority to repay or resonance the commonwealth for A.2 paragrams of the Authority to the sections (11) repaying the numbers wealth for any amounts borrowed by the Authority from the commonwealth includes

IS interest thereon pursuant to haragraph of . .... seeding the obligations of the Authority is required by section forty-two of this Act: ... Saving 1.1. or part of the cost of the Authority's projects undertaken at any time prior: to December thirty-first, himeteen numbered and eighty-mine: (r) paying all or-ANY PART of the current expenses of the Authority in anticipation of "FECSIDE" of revenues of the Authority, but in no event shall the aggregate amount it notes outstanding for this purpose exceed one-mail of the budgetes current: expenses of the Authority for the fiscal year in which such notes are outstanding; and. (vi) paying all or any part of the interest payable on any notes of the Authority issued under this paragraph. Notes issued by the Authority in accordance with this paragraps shall be issued for such term or. terms as the Authority shall determine and may be renewed from time to time; provided, however, all such notes and any renewals thereof shall savare and hepayable no later than June thirtieth, nineteem hunared and ninety except that; notes listed in anticipation of revenues shall be payable and stall matters not later them one year from their date. Notes issues by the Authority in accordence with this paragraps, except dotes issued in indicipation of revenues... shall be ussued in anticipation of boses to be issued by the authority pursuest to section tweive. All notes issued pursuant to this paragraph share ... sutherized, issues and sold in the same eaguer as, and shall otherwise be subjest to, section twelve and the other provisions of this act relating to bonds: provided, however, that notes issues under this paragraph some :: usmen at a fixed rather them a variable rate or rates of interest.

(e) The commonwealth, acting by and through the secretary of identification or the tion and finance with the approval of the governor, upon application or the Authority, small guarantee the principal of and interest on dotas or the Authority issued in accordance with paragraph (d). The secretary of accuration tration and finance with the approval of the governor and without further Authority may approve the form, terms and conditions of, and may execute and deliver on behalf of the commonwealth much guaranty and any related agreements with or for the benefit of the noiders of such notes containing such terms conditions and convenints of the commonwealth as the secretary of administration and finance may deem reasonable including provision for the payment of notes not paid or retunded by the Authority by application of the proceeds of the loan authoritied in paragraph (f). Without limiting the generality of the foregoing, such guaranty may take the form or an agreement to remounts the

issuer of a jetter of tredit or other credit facility voice relates to lucationess. The full faith and credit of the commonwealth shall be prespect for the guarantey provided for in this paragraph. The total principal amount of lotasto be guaranteed under this paragraph shall not exceed the numbered million, dollars in the aggregate; provided, however, that any note being refunded of the issuance of a guaranteed note shall not, and the refunding note shall, be, included within such total amount.

(f) If the Authority shall fail or otherwise on unable to refund or pay: vaca one any marantees note or notes, or the interest therems, issued by the Authority in accordance with paragraph (a), such notes, and the interests thereon, upon presentation to the state tresourer, shall be paid by the thesomewith. For the purpose of previding finds to pay any such guarantaes: ADEAS ARE LETEREST OF TO PRINCETE THE TRANSPY (OF ANY SUCE PAYMENTS INC. state treasurer stail, and the request of the reversor, assee and seil boads. of the communeath in an answer specified by the governor from time to time.; but hes exceeding in the aggregate the sum of six hundred million millers fort principal and ninety million dollars for interest. Bonds issued by the comcomments under this paragraps shall be designated on their face. Assessment setts Vatar Resources authority Lors, are of 1984. Such boses scall be issued for such accuses term or terms and expending twenty years as the governor nevi recommend to the general court in accordance with section tirse of intities LITI of the Assessments to the Constitution of the Communicalth. The Authority shall relatured the communicalth in accordance with a schedule to be catery mined by the secretary of administration and finance at the time such comman are issues. from any moment of the Amenority which are available for such pury poses, including funds provided from energies of the Authority in accordance with paragraph (4) of section ten. Souds and interest thereon issued by the communicated under the authority of this section shall, notwithstanding inviother provisions of this act, be general obligations of the communeatth. .... ARTICIPATION of the receipt of proceeds of such bonds. The treasurer MAY 11100 and sail temporary notes and renowals thereof in an amount outstanding at one time not in excess of the amount of bonds specified by the governor nursuant to this paragraps, for a tarm not to exceed three years, including into removals thereof. The principal of and interest on such notes say to talk from the proceeds of said renewal notes or bones and to the extent not so said saail be paid from any other funds or receipts; provided, however, that is and 13 128 extent that the principal amount of such notes is paid from staff than the proceeds of said renewal notes or conds. The principal amount of said.

bonds which may be issued under this section shall be reduced by a like.

amount. Such notes and any renewals thereof shall be general polications of the commonwealth.

- (g) The state treasurer may porrow, from time to time, on the credit of the commonwealth such amounts as may be necessary to make any loans required of the commonwealth under paragraph (c) and to pay any interest or other. Charges incurred in borrowing such easey, and may issue notes of the common-wealth therefor, bearing interest payable at such times and at such rates is, shall be fixed by bin. No note issued under this paragraph shall nature more; than one and one-half years from its date but notes may be refunded one or more times. Such notes shall be issued for such saximum term of years, not. exceeding one and one-half years, as the governor may recommend to the jeneral court in accordance with section three of Article LYII of the Amendments to the Communication of the Communication.
- (3) The obligations of the Authority to make repayments and reisourse ... seals to the communeanth as described in paragraphs (5) and (c) and section: forty-two small be reduced by the sum of all amounts received by the commonwealth of account of operations of the system conducting in the fiscal year of. the communeatth commencing July first, nineteen hungred and eighty-fourincluding, without limitation, all assumes so received on account of marges; and assessments for purposes described in clauses (ii) and (iii) of the thirst sentance of paragraph (/) of section four. Attribution of charges and issens. seats received by the commonwealth during such year shall be made on a con-SISTERE DASIS with the cortifications made to the state treasurer of the secretolitan district commission which are the basis of such charges. Licent: as otherwise expressly provided in this act, no amount to be repaid or felabursed to the commonwealth by the Authority under this section five sna. 14-F interest prior to such repayment or reimpursement. All impunts received by the communication account of operations of the system conducted in the fiscal year of the compowerith compensing July first, mineteen numbered and eighty-four and all amounts repaid or reimpursed to the commonwealth by the Authority under this section and section forty-two small be accounted for 150 impropriate on the books of the commonwealth in the detropolitian Severage District Fund and the Metropolitan water District Fund and such funds shall be

enging June thirtigen, hinsteen tunared and elenty-ris.

SECTION 6. The Authority Shall have all powers necessary or convenient to:

CASETY OUT and effectuate the purposes and provisions of this act, includings
Vithout limiting the generality of the foregoing, the powers:

- (4) to 44000 and 40000 for the regulation of its effairs and the:
  - (b) to sampe an official seal and alter the same at pleasure:
  - (c) to seintern an office at such place or places as it say determine:
- (d) to stope a fiscal year to conform with the fiscal year of the comme-
- (e) to sample and enforce processes and regulations 12... Consection vientum performance of its functions and duties and vithout limitation on other feasonable seems of enforcement, 13 establish reasonable pensities for violation.

  Then of its regulations commensurate with the seriousness of the violation.

  Provided, however, that so pensity may exceed the chousene dollars int each function. Our the substantial pensition of the violation.
- Properties and affairs, and to be itable to tore in the same entering to this properties and affairs, and to be itable to tore in the same conserved at a privile person except that the authority and its members, ampleyees and agents that to terms (the tore liability for sets and consistent constituting). The exercise of a logislative or judicial function, ((1)) the exercise of an exercise of a members involving the determination of functional povernmental position or ((11)) the exercise of a discretionary function or muly; provided, however, that property of the authority, other than, in actions to majorite payment of bonds, the revenues and funds ploages to the payment of bonds, the revenues and funds ploages to the payment of bonds, the revenues and funds ploages to the payment of bonds, the revenues and funds ploages to the payment of bonds, the revenues and funds ploages to the payment of bonds, the revenues and funds ploages to the payment of bonds, the freezeway and funds ploages to the payment of bonds, the freezeway and funds ploages to the payment of bonds, the freezeway and funds ploages to the payment of bonds, the freezeway to account the payment of bonds at the authority is not authorities to become a tentor.
- (f) to employ personnel as neronnetter provides and to angage architecturni, angineering, discounting, amagement. legal, financial and anvironmental commuting and other professional services:
- (b) to receive and apply its revenues to the purposes of this act victionic appropriation or allothest by the commonwealth or any political subdivisions thereof:

- and vatervorks systems. To investigate, design, construct and acquire improvesents and additions to said systems; to engage in activities, programs and
  projects on its own beneif or jointly with other public bodies; to provide
  technical assistance to local bodies and the division in furtherance of the
  samegement or improvement of water supply and sewage collection, disposal and
  treatment services; and to provide for the cost of activities, programs and
  projects from grants, the proceeds of bonds, or from other revenues available
  to the Authority for such purposes:
- (j) pursuant to the provisions of section sine, to acquire and time and bold title in its own name, by purchase, lease, lease-purchase, sale and lease-own, portgage, exchange, gift or otherwise, or to obtain options for the acquisition of, and to dispose of, any property, real or personal, improved or intensives, tangents or intengable, or any interest therein, and to exercise the power of emissis domests:
- T(#) to establish, adjust, collect and spats charges for services, facilities and communities furnished or supplied by it;
- (I) to borrow somey and issue bonds and to piedge or assign or treatesecurity interests in funds or revenues of the Authority to pay or secure such bonds:
- (#) to obtain insurance and to enter into agreements of indomnification becausery or convenient to the exercise of its powers under this act:
- (a) to apply for, receive, administer and comply with the conditions and requirements respecting any grant, gift or appropriation of property, services or moneys:
- (d) to enter into contracts, arrangements and agreements with other servages in all setters decessary or convenient to the operation of this act including, without limiting the generality of the foregoing, matters or technical cooperation, planning, management, administration and operations and .3 execute and deliver instruments necessary or convenient to the exercise of .13 powers under this act:
- (p) to apply for and to hold permits, licenses, cartificates or approvals
  as may be decessary or desirable to construct, maintain and operate the newer
  and vaterworks systems:
- (q) to appear in its own beneif before other public codies. Including, without limiting the generality of the foregoing, the Congress of the united

States and the peneral court of the commonwealth, in all matters relating to its powers and surposes:

(F) to do all things generatory, convenient or desirable for tarrying outs the purposes of this act or the powers expressly granted or seconsactive implied by this act.

Specification eigeneers in this act of powers of the Authority vital respect to the Authority's regulations, charges and operations shall not limit the generality of the powers granted in this section and in section can or powers the Authority may exercise under any other special or general law inse-far as it relates to the purposes of this act.

SECTION 7. (a) he executive director, was shall be a person professionally skilled and experienced in law, finance, public works or public utility programs, or public administration with significant experience in vantawaters pollution abetament, small be appearance by the board of directors for a term ist to excess fire years as chief executive officer of the Authority, und shall so serve metal his successor is opposited and quantitied and once such executive director small be eligible for responsible for like fire years terms. An elective director say be removed at any time by the board for bis" formance. Mifessance or wiful regiect of duty upon the filing by the boards With the secretary of the communesith of a statement of facts and through states which form the basis for such removel. The executive director shall ACCURATE the affairs of the Authority, including, without limiting the penerality of the foregoing, sectors relating to contracting, procurement. personnel and seministration, under the supervision of the board of directors IN ASSESTMENTS WITH THEM AUCTORITIES COME OF ALTOCOPY MAY ! THE CLOSE to time resentary score and commission in force. The Authority small lists appears persons to hold the offices of secretary and treasurer to the Author-The secretary shall be the customian of the seal and of the books and records of the Authority and shall keep a record of the proceedings of the board of directors. The secretary may cause copies to be seen of all minutes. and other records and documents of the Authority and may gave cortificatess under its official seed to the effect that such copies are true copies and all persons dealing with the Authority may rely upon such certification. The treasurer shall have charge of the posses of account and accounting records of the Authority and small be responsible under the supervision of the executive director for financial control for the Authority. Toom the recommendation of that an contract of employment, except for that of directors or under the lacture bargaining agreements or contracts of employment for other lactures bargaining agreements or contracts of employment for other lactures and other sentences. Including architects, engineers, accountants, largers, planners and other sanagement and professional personnel. Except as otherwise including appointment of said executive director, other officers and employment for the lacture bargaining agreements or contracts of employment; provided, lowever, that so contract of employment, except for that of the executive director, shall exceed a term of three years, which say be renewed upon the expirition; thereof.

- (b) The Authority may indemnify any present or past director. officer. employee or agent of the Authority and any sensor, officer, employee or agenti of the retirement boars as an interpret to paragraps (d) igning ... ... ... "Itias, claims, costs and expenses, including legal expenses, in connections with any actual or threatened proceeding. Including inv settlement increase Approved by the Authority, arising by reason of any act or consistion within their scope of his duties for the Authority; provided, however, that no indemnification tion shall be provided to a person concerning a matter as to vaich such persons is finally adjudicated to have acred either without the belief held in good faith that his or her commence was in the best interests of the Authority in with reason to understand that his or her commet was unlawful. Data and expenses may be paid prior to a final disposition upon receipt of an indertaking, which the Authority say accept without regard to the financia. resources of the person indemnified, that the person receiving the penetit all payments shall rappy such payments if he shall be finally adjudicated not to anse on behalf of itself and any of its directors, officers, employees on agents and any sensor, officer, amployee or agent of the retirement coard established pursuant to paragraph (d) against any liability arising out of such person's status as such, whether or not the Authority vould have the power to indemnify such person against such liability.
  - (c) The Authority and its employees shall be subject to the provisions of theorem one number one number and fifty f of the General Laws, and for purposes of said

MARKET. IN AUGUSTRY MARIE TO RECEMBE TO DE AN ANDIOVER OF PUBLIC AMPRIOVER and a legislative comy. The Authority may designate a representative to act in its interest in labor relations setters with its assignes. Times and obligations under collective bargaining agreements with respect to employeess transferred from the secrepolitian district commission, except to the extent empressly inconsistent with this act, shall be assumed by and impassed upon the Authority, and employees transferred to the Authority who are subject to such agreements shall continue to be represented by the employee organizations that are parties to such agreements until such time as they elect to be otherwise represented in accordance with the provisions of thepter one numbers and fifty E. Eristing bargaining units as determined by the state labor relations commission for setropolitin district commission employees shall remain in full force and effect for those employees transferred to the Authority ungil the empiration data of collective pargaining agreements covering duck employees... No collective bargaining agreement enteres into by the Authority, inwever... shall limit inharme management rights which shall include, without limiting the generality of the foregoing, the following: (2) employment. issignment. and promotion of employees and the determination of Standards Charegor, ..... tarmination and discharge of employees, provided that any tallestive pargaining agreement any protect employees against such actions on insitingly, capticious or unresonante grounes. (iii) determination of the Authority : .evens of service, levels of staffing, and the methods, seems and personne, for performing operations. (ir) supervision, control, and evaluation and excapitatsent of productivity standards for employees. And (v) use of services require employees one of imposment contractors or vessors. Motivitationaing the foregoing, sada collective pargaining agreement in force on the effective date of this act towering former employees of the secropolitan district immension transferred to the employment of the Authority under section four, shall comtimes to be a velid collective pargaining agreement in effect Vita respect to such employees until the data water is two years suprequent to the stated later of amplitude of tues agreement; proveded, nowever, that the Authority that. segetiate in good faith pursuant to the provisions of chapter one numeroe and fifty E of the General Laws with respect to vages, hours, and other tarms in conditions of employment to become effective as of the stated late of explistion of such agreement for the balance of the term of such agreement as herein UNE REGES

3) All amployees of the Authority for employed by the secropolithm that trict commission prior to July first, mineteen numered and eighty-five shell. Decome seasons of a contributory retirement system to be referred to as the. Massachusetts Fater Resources Authority Retirement System, tereinafter: referred to as the "Authority Retirement System", "Dich shall be a separate: system from the state employees' retirement system and union small be estab-... and asimilated in accordance with sections one to twenty-eight ... inclusive, and section one numered and two of chapter thirty-two of the General Laws and for all purposes thereunder shall be dessed to be a contributory; retirement system of a governmental unit governed by the provisions thereof for the state employees' retirement system except as otherwise express, y provided berein. The Authority Retirement System small become effective victous further acceptance by the Authority on July first, hineteen humaned and engagy-five. The Authoraty Rethresent System shall be administered by a secarete retirement board established by the Authority voich shall consist of! three persons one vaich shall have custody of the funds of the authority. Retirement System and shall have the general powers and sutles sec forth in: subdivision five of section eventy of chapter thirty-two of the Jeneral Laus . One sensor of the retirement board small be the secretary of the Authority. serving or officio. The second sensor of the retirement board shall be inttially appointed by the Authority for a term empiring June thirtiath, innersenhundred and eighty-six and thereefter the second sensor shall be a person: elected by sensors in service and sensors retired from service in the Authority Retirement System from among their number to serve for a term expiring lune thirtieth, sinetees numered and eighty-nine and for successive triannia... terms thereafter. The third member of the retirement poerd shall be appointed: by the Authority for successive triennial terms; provided, however, that that term of the senser first appointed shall expire on June thirtieth, mineteens hundred and eighty-eight. Members of the retirement moord shall "ferve intitheir successors are duly qualified and shall be eligible for re-election or reappointment. Members of the retirement board shall serve without commensation but each sender may be reimpurses for all reasonable expenses incurred in the performance of his duties. Fithout limitation of other provisions of gener eral law applicable by terms thereof to the retirement poers, the retirement board shall be dessed to be a governmental body for purposes of and shall be subject to section eleven & and one-maif of chapter thirty A or the Jeneral

ANS AND THE RESIDERS THAT OF SHALL IN CASES OF THE SEASON SHOULD SEEL . CARREST TWO numbers and sixty-stent A of the Jeneral Laws. Genever & cerson. STREET THE AN AMPROVED OF the Settopolitan district commission transferred to the Authority under the provisions of this act, and is a nember of a retiresent system under chapter thirty-two of the General Laws shall become a sensor. of the Authority Retirement System by virtue of employment by the Authority. that person small be entitied to all imeditable service and all rights and benefits to watch he was entitled as a sensor of such prior retirement system. Vithin ninety days of such employment, the amounts of the accumulated total! deductions, including accumulated interest on such deductions, credited to such employee's accounts in the ensuity savings fund and pension reserve fund of the prior retirement system shall be cransferred and credited to the emicyce's accounts in the annuary savings fund and pension reserve fund on the Authority Retirement System. The amounts required to finance reasion benofits sames by emicyoes of the authority in a given year shall is determined: by the retirement boars me shall be paid over by the authority. Finds paid INTO the Authority Retirement System pursuant to this section insi, cause to be funds of the Authority and shall be used solely for the purposes of the AUCHOFICY RECLEMENT System. This provision shall be deemed to constitute " contractual right and benefit on behalf of memory of the Authority Retirement. System was are or say to retired pursuant to said eleptor thirty-two. and for amenament or alteration inail be made union would result in a diversion of the finds of the Authority Retirement System from the purposes thereof. Yothing in this act shall be deemed in any vey to secrease or abridge the amenities. pensions. Pattrement allowances, refunds or accumulated total requestions on my right or bemedit to valch in employee transferred to the Authority Retiresent System pursuant to this act has become entitled by virtue of sembership in any of the systems in the state retirement system prior to transfer to the Authority's employment, and the limbility therefor shall become the - limbility of the Authority Retirement System upon the transfer of furnis provides for 17 this paragraps. All persons transferres to the Authority on July first. himstook bundred and eighty-five was are someers of the state amployees :ethissent system on account of employment by the entropolitan district commission prior to said data shall continue to be sensors of the state employees; retirement system and susject to the imes applicable thereto, and neither the Authority nor the Authority Retirement System soull have any liability for retifement s. .. ... to or on secount or such persons.

The Authority small not be limble for retirement allowances to or on account of setropolitan district commission employees who are not transferred to the Authority pursuant to the provisions of this act. except for the costs of retirement contributions of employees of the vaterance management civilian properly chargeable to the Authority.

- (e) Subject to the last tentance of this paragraph, every emigvee who. upon employment by the Authority is covered by the group insurance provided by chapter thirty-two & of the General Live shall continue in uninterrupted cover erage and all other employees of the Authority are heresy ease engine for: said group insurance to the same extent as if they were employees of the time. somewaith. The share of the commonwealth of the cost of such insurance. with. respect to the employees of the Authority, shall be some by the Authority. but with respect to persons retired from service with the secreduition district commusion was have not been employees of the authority, inall ::natinue: to be borne by the commonwealth. The Authority shell forward its contribution, together with all amounts vithheld from the salaries or vages of .... employees 4s provided in paragraph (4) of section eight of said inabter. thirty-two & and all amounts paid by an amployee as provided in paragrico ... of said section eight, to the state employees group insurance commission at: SUCH TIME AND IN SUCH MARKET AS SAID COMMISSION BAY TRANSPRADLY PRESCRIBE. The AUCEDOTITY IS AUCEDOTIZED to enter into reasonable attermative and substitutes group insurance arrangements providing denefits to its employees substantia..." equivelent to or superior to benefits under said coapter thirttivo A. Anui thersupon may come its arrangements for such benefits ander said inabters :2157-TVO 4.
  - (f) The Authority may contract, to the extent permitted by and in accordance with applicable requirements of the United States Internst Revenue Code...

    with any of its employees (f) to defer a portion of the employee's compensation and to invest such amounts under a deferred compensation program and ....

    to make contributions from amounts otherwise payable as an employee's luftents compensation to an individual retirement account; persinafter referred to is:

    13A.

investments of deferred tompensation may be sade in a life insurance of annually contract, mutual fund or bank investment thist and investments of 1200 amounts may be made in the foregoing or in other investments authorized by the

LIVESTEENS OF INFERTED COMPENSATION OF TAKING MAY DEQUATIONS (FOR COMPENSATION for purposes of an IRA, sasil solicit seased plan to be opened at 1 128 end; place designated by the treasurer from insurance companies authorized to ton-! and percent one respect to transfer the commence and i seventy-five of the General Laws. Buttes! fund managers and banks. As applica-. ble to investment of deferred compensation and IRA amounts, as the case say be. bids shall clearly indicate the interest rate which shall be paid, any; commissions for salesmen, any load imposes for purposes of administration. softality projections, expected payments, tax implications for employees and such other information as the treasurer say require. For IRAs, some their treasurer's determining which provider offers the product or products sout! beneficial to the employee in each category for value bids were solicited. ::el treasurer say offer such assisted the congruency to establish an LRA with one or sore such providers. The employee was vision to invest his IRA finds with: MET THE Provider, or commission of providers, say extensize the treasurer to: demat from amounts otherwise peveble to the emistee. At one time or on a periodic basis, amounts to be paid into the employee's IAA. If the employees to elects. The treasurer theil pay to the providers the amount designated by the employee, in the same of the employee, to the employee's IRA. Amounts 100 paid to the providers for the employee's IRA account shall belong exclusively! to the emission. Except as otherwise provided herein, the treasurer savi restrict as employee's right to contract to have contributions made to an !All through dometions and payments by the treasurer to those providers selected as the result of the commetative bidding process outlines nersin. But the AUCEDITY CONferred upon the treasurer small not be construed to restrict in LIMIT THE FIRST OF MAY employee to establish one or more IRAS WITH SUCH PARKS. INSUFFICE COMMERCES, OF SIMILAR AUGUSTIONS ANDISTRUCTIONS AND COMMERCES SAW choose in any samper other them through an authorized deduction by the treasm arer of a portion of the emergee's commensation as outlined herein. "OTVILL" standing any provisions to the contrary, the treasurer small not be required to solicit bids from providers of investment products for deferred commenter tion investments or IRA contributions, provided: (1) the treasurer elects to LAVEST JUCK deferred compensation in, or is authorized by the employee to 74% TA contributions into, the same investment products as provided through I deferred compensation or IRA plan for employees of the immonwealth identity

tared by the state treasurer, or a pererred compensation boar for ambiovees of the Authority administered by the treasurer, provided such bian resulted from: the solicitation of bids in accordance with bidding requirements immerable to: those required under this section; or (11) the treasurer elects to invest such. deferred commensation in, or is authorized by the employee to pay IRA control butions into investment products offered pursuant to a deferred commensation: plan or an IRA investment option program, developed through a competitive serv lection process resulting from the solicitation of bids by a group of any cos-: bination of three or more city, town, commey or public authority treasurers: setting as a Common Group for purposes of soliciting such proposess in accordands with bidding requirements comparable to those required inder this: section. Iny contract agreed into between an employee and the Authority pursucht to this section small include all information in terms the employee that reasonably be expected to understand. Such deferred compensation and IRA programs shall be in addition to and not a part of the retirement program or pension system as provided under the Authority Retirement System. inder said: Chapter thirty ove or many any other benefit program provided by . Aw : I have the chapter thirty over the comment of the comm essioyee. Any commensation deferred under such a plan and any immonsation: contributed by an employee to an IRA under such plan shall continue to ber included as regular compensation, as defined in section one of said ::abter: thirty-two, for the purpose of computing the retirement and pension tenefits: earned by any such employee, but any compensation to deferred soail not not included in the computation of any taxes withheid on sensif of any such employee. For purposes of this paragraps, the word "employee" shall have then same measure as "employee" in section one of chapter thirty-two of the Jenerali Laws and small also include consultants and independent contractors who area natural persons paid by the Authority and whose duties require that their their be devoted to the service of the Authority during regular dusiness hours.

(g) The Authority shall not be subject to the jurisdiction of the siving sion of personnel administration established by section four A of inapter seven of the General Laws and shall not be governed by sections forty-five. forty-six C to forty-six G, inclusive, of chapter initity, and sections twenty-six, twenty-seven and twenty-seven A to twenty-seven E. Inclusive, of chapter one numbered and forty-nine of the Jeneral Laws. No employees of the Authority shall be covered by section dime A of chapter initity of their General Laws or by chapter initity-one of the General Laws except for instant

AUCIDITY from the secropolitian instruct commission transferred to the Aucidity from the secropolitian district commission under section four, to the extent of the rights provided for those employees in sale section four; provided, lowever, that a veteran transferred to the Authority under sale section four shall be entitled to include his service at the section district commission toward the three years of service provided for in section district chapter thirty, and if he completes such term of service at the Authority, he shall be entitled to rights under and shall be subject to the provisions of chapter thirty. All provisional employees who are transferred to the Authority and who are labor service employees as defined in section one of chapter thirty-ms and who are not eligible for an examination as provided for insection twenty-six of chapter seven hundred and sixty-seven of the acts of minimises and elegaty-one and was have vorted in such positions for a period of me year prior to January first, himsteen hundred and elegaty-five shall be ease permanent employees.

The Authority shall segage consultants to perform only those services for the Authority which require employees of the Authority are unable to perform owing to lack of special expertise or other imability to perform such services on the schemule or in the manner requires by the Authority. The Authority shall be subject to section four of chapter one numbers and fifty-one 3 of the General Lamb, shall be deemed to be an agency of the communicate for purposess of section two of said chapter, and shall be subject to the enforcement juris-diction of the communication against distributation under said chapter. The Authority shall develop policies and programs for affirmative action in amployment, procurement and contracting in accordance with law and immaistance with the anal immaistance with the analysis policies and programs of the communication.

The Authority shall also appoint a special distance for affirmative action and combitance and provide supropriate support staff. The special develop, supervise, someter and provide for the enforcement of affirmative action plans for employment, proturement and contracting activities of the Authority. The chairmen shall take such steps and impose such sanctions are may be appropriate to assure enforcement. A quarterly report shall be filled at the close of each quarter with the state office of affirmative action and each sensor of the general court requesting a copy of such report on actions that sensor of the general court requesting a copy of such report on actions that an outling the proceeding quarter to implement the Authority's affirmative

section oten and programs.

(3) The Authority shall establish an internal special audit mit voich, under the direct supervision of the executive director, shall constor that quality, efficiency and integrity of the Authority's operating and capital. programs and same periodic recommendations and reports to the executive director and the board of directors. Employees of the Authority serving in the internal special audit unit shall devote their full-time efforts to the unit. and shall not be assigned direct operating responsibilities.

SECTION 8. Victors limiting the generality of the powers granted to the Authority under other provisions of this act, the following provisions are used for the operation, improvement and enlargement of the sewer and water-vorte systems by the Authority and for the attainment of the Authority society purposes:

- (d) The operations of the Authority specifically related to the separate functions of sewage collection, treatment and disposal and delivery of vater shall be organized respectively into a sewer division and a vaterworks division, the Authority shall maintain, except to the extent otherwise permitted in this act, segregated accounts for each of its divisions with respect to the revenues, expenses, issets and funds pertaining to the operation thereor. This board of directors may act to provide specifies administrative or technical support services on a combines basis when, in the board's opinion, it would be more efficient to do so, in which event the board shall provide for a fair and equitable allocation of the costs to the accounts of the divisions in iccordinate with generally accepted accounting principles.
- (b) The Authority shall adopt an annual budget for its current expenses which budget the Authority shall have submitted for comment and recommendation; to the advisory board not less than sixty days prior to the adoption intereor. Except in case of an emergency, no current expenses say be incurred in excession those shows in the annual current expense oudget. The Authority hav from time to time adopt amendments to current expense oudgets which the Authority shall have submitted for comment and recommendation to the advisory tourd not less than thirty days prior to the adoption thereof. The Authority period incally shall also empt and revise capital facility programs for the seven system and vaterworks system and capital expenditure oudgets based thereon. The current expense oudgets, capital expenditure oudgets and the capital. Saulity programs of the authority shall be dessed not to be requireless on

sequences for surposes of master tours a of the General Las. Authority ideal consult in the preparation of its capital facility programs. ton the senet and Asternoise sharem Aste the Wearson poets and the executive. office of environmental affairs. and may consult with other agencies of feeeral, state and local government concerned with the programs of the Authority.: Proposes capital facility programs and capital expensions budgets for said systems small be sugmitted to the advisory board for such consultation to less: then surry days prior to adoption or revision by the Authority. The Authority; shall propert a written response to reports respecting its finances submitted to it by the envisory board valch response small state the basis for any sunstantial divergence servoes the actions of the Authority and the recommendertions contained in such reports of the advisory bears. The Authority small! file copies of its capital facility programs with the deputy commissioner of: capital planning and operations in accordance with section thirty-wine I off chapter seven of the General Laws, small propers use file long-range capatail facility development plans in accordance with section seven & of thepter - treaspresse of the Jeneral Laws, and shall be deemen to be a public squarer to the recording and reporting requirements of paragraps -- of section forty & of chapter seven of the General Laws.

(c) The sever division of the Authority small provide sein sever services: for the area consisting of the following political sundivisions: Arington... Ashient. Selfert. Selment. Sector. Brauntree, Breezing. Surlington. Jun bridge, Caston, Chaises. Sethen. Everett, Francagnas, the sorth sever districts of Mingram, delbroom, Lanageon, Halden, Heaforn, Helrose, Hilton, Mattex. Messhan, Merten, Morwoon, Quincy, Randelph, Ressing, Revers, Scoorville. Stonesam. Stoneston, Vakadield, Valpole, Valtham, Vatartown. Vestwood. Veyester. Viletageon. Vincouster, Vintores and volumn. The authority may also enter into (1) arrangements for a limited term with any person within or outside the foregoing political subdivisions to provide sewage treatment, collection or disposal services not involving extension of the sever system; provided, however, that no such arrangement shall continue for a period in excess of six months, including any renewals thereof, inless in shall have been approved by the advisory board treated by TWONEY-CRISS. and (A) arrangements with any local body pursuant to voten 4 sewage collection. Itsatment or disposal system or my part thereof shall become & part of the sever system, provided that no extension of the seven system shall be seen to the second the previous to the state and the state market injess the Authority shall cotain the approval of the advisory coard and the department of environmental quality engineering, litter due consideration of: feasible alternatives to such extension, and the Authority shall find (1) then safe capacity of the sewer system as extended will be sufficient to meet pro: hary wet weather demand. (2) all feasible actions have been taken and shari. continue to be taxes by any local body to which the system is extended to similes infiltration and inflow, and (3) an inquestrial prestreatment programs is in effect within any such local body in accordance with applicable laws and regulations. May local body within the limits of which any sain sawer under the control of the Authority is situated shall connect its local towers with such main severs subject to the direction, control and requisition of the. Authority and the Authority say also connect private sewers with such main sewers under such terms and conductions as the Authority Bay prescribe. Note: withstanning the foregoing, to new local boay will be added to the sawer lervice area without prior approval of the governor and the general court.

(d) The vacorvores division of the Authority small provide vacor fort local water systems of the following political subdivisions: origination .: Selmont, Boston, Brookline, Cameridge, Caton, Chelses, Chicones, Clincon. Sedhan, Everett, Framingnes, Leoninster, Lazington, Lynn, Lynnfield eater 3:3trict, Maldan, Marbleheas, Marlborougn, Medford, Melrose, Millon, Mangant. Meedham, Mercon, Morthborough, Morwoos, Pesbody, Quincy, Revers, Saugus, Somervilla, Southborough, South Hadley Vater District No. 1. Stonegas. Swammscott, Vakefield, Valtham, Vatertown, Vellesley, Veston, Vilbranam, . inmaster, Vinthrop, Voburn and Vorcester. To provisions of special lots and imeracts in effect on January first, mineteen numbers and eighty-four imperwhich water is supplied by the MDC water system small continue in full force: and effect under the respective terms thereof, subject to ALL SIZATE or the Authority as successor to the secrementain district commission. Continuations of delivery of vater to local vater systems supplied on a contractual casis on the effective date of this act upon the expiration of such contractive, coligations, service to be supplied under williamess-to-service contracts on the effective data of this act and new communities entering the system. Anail ber made to the foregoing political supervision on such reasonable forms indi charges as the Authority may determine, provided that in sace such that the the Authority shall find: (1) the safe yield to the watershed system. only one

savice of the division, is sufficientian meet ornjected temena: ornviced, inever, that a local tody freshving vater on a contrictual table as of the effective date of this act which meets the requirements of having no local. vater supply capable of being neveloped unner the provisions of thuse .51, .m. this supportion, small not be desired such continuation: (2) no existing orpotential vater supply source for the local body has been abandoned unless the: department of environmental quality engineering has declared that the source: is unfit for arinking and cannot be economically restored for drinking purposes; (3) A vater samagement plan has been adopted after approval by the VALUE TRANSPORTED COMMISSION ESTABLISHED BY SECTION SIGHT A OF CLASES TWANTYone A of the General Laws: (4) effective demand namegement neasures have need established. including but not limited to the establishment of a leas detection and other appropriate vater system resemblication program: (5) A locate vatar supply source (essible for development has not been identified by the local body or the department of environmental quality engineering; and .5) iii Water use survey has been completed which identifies all liers in the area of -- the local body that consume in excess of twenty sailing gailons per year. W.V. provision for supply of vater under special act in effect on the effective date of this act, and any contract for the supply of vater by the secrepolities district commusion in effect on the effective date of this act which loss not provide for a specific term may be terminated by the Authority on or liter. but not before, the fifth anniversary of the effective date of this act. which came continuation of service shall thereafter De governor DV 120 DESVIsions of the precessing sestance. Subject to the approves of the savisory boars establishes by section twenty-three and requistory bodies within the executive office of environmental affairs vita jurisdiction in the sector is in result of other general or special laws applicable to the Authority, then Authority may extend the vaterworss system to applitional local bodies on such resonable term as the Authority may determine; provided, lowever. :241 .... each instance the Authority small find: (1) the sare yield of the vaterance system. only on the service of the division, is sufficient to seet such the projected denomi: (2) no existing or potential water supply source for the local body has been aparagree unless the department of anytromental quality engineering the declared that the source is undit for drinking and thank the economically restored for dringing purposes: (3) a vater management rian fast been adopted after approval by the water resources commission established ?"

section eight A of chapter twenty-one A of the Jeneral Laws: - Affective Design temperate the true to the temperature to the to, the establishment of a leas detection and other appropriate vater tystem remanulitation program; (5) a local vater supply source feasible for cavelousent has not been identified by the local body or the department of environrestal quality engineering: and (6) a water use survey has been completed; watch identifies all users in the area of the local body that consume in: excess of twenty million gallons per year; and provided further that no new. local body will be added to the vater service area without prior approva: 31. the governor and the general court. Consections to the water system shall beunder the direction and control of the Authority, provides, however, that water shall be delivered by the Authority under sufficient pressure for use. without local pumping, unless delivered in some other manner by agreement. The Authority say disc enter into arrangements not involving the extension :: the waterworks system to provide the delivery of vater to my local body. ANY: institution, agency or facility of the communeants or any institution, agency or facility of the Coltes States provides (1) that as a condition to the entry. into such arrangement the Authority shall find and declare that the semand -: the waterworks system from the Authority's performance of the arrangement .31 not reasonably expected to jeopardize the delivery of vater provided by the Authority to the innebitants of the political supplyisions listed in the first! sentance of this paragraps, after taking account of other vater supply; resources resourcely swellable to such political subdivisions, and .11, 50: any renewals thereof. Inless it inail have been approved by faid daylighty boars. Subject to the provisions of section forty of chapter forty of the Seneral Laws, in case of any emergency as determined by the department and environmental quality engineering, any local body deriving its water supply in undle or in part from the waterworks system ear provide a connection and in supply of vater to any adjoining local book having an inadequate vater supply! of vater subject to ressonable provision for payment to the Authority and for: approval by the Authority of the seams of commection. No local poet or print vata water company shall shangon any local water supply source and substitute. for it water from the waterworks system unless the department of environments. quality engineering has declared that the water supply source abandoned or to be abandoned is unfit for drinking and cannot be economically restored for SUPPLY ON the effective date of this act under a contract value secrepcions district commission votes contains a sinimum purchase requirement says elect, upon such reasonable prior notice as the Authority may require. 15.

COMMISSION SUCH SINGERS DUTCHASE FOGULTOREST.

(e) In order to attain its statutory purposes to promote veter conservation, protect the adequaty of a pure vater supply, reques vastaveter flow 4561 improve environmental quality, the authority is authorized and directed: (:)! to promote vater conservation and environmental quality through 113 (casemis) of charges, to which and, victous limiting the generality of the foregoing and the remerality of the remistery powers conferred on the Authority under section six and the powers to establish charges under section ten. The Authority shall prepare and publish no later than the second anniversary of the effective date of this act a compressence study of environmental. Jocial and ecommus impacts of its charges to serve as a basis for the implementation. of charges fully commissions with the espectives of this act, and soall community VIER 138 division for the determination of such environmental impact: ....) 131 commet public programs of education and technical assistance in support of WATER CONSERVATION and advironmental quality objectives: (:::) to terminate ass promotif as feasible, and thereafter not to institute or rematitute. MY charge or charges for the vaterworks system by waich the unit price decimes: as volume of use increases; (ir) to identify and consider desent rensponents and vater conservation solutions to new and existing vater consumptions cofficments and, vacever reasonably printicable, to implement such solutions: in preference to solutions which would increase water vittedrawais from invinatural or artificial source of ground or surface vaters; and (v' to prepare) and subst an ansmal report to the governor, the general court and the vaters resources commission stating the seems by which future water requirements of the Authority's service areas within the safe vield of the watershee system of the division, pursuant to any such determination sade by the division.

Nothing contained in paragraphs (c) and (d) shall require a city or towns not presently served by the Authority to accept an extension of the Authority to accept an extension of the Authority ty's sever and water versa without a sajority vets by the city council if a city or a sajority vets of town seeting of a town.

(f) Officers or agents of the Authority may enter at reasonable times and public or private property, connected directly or indirectly to the sever 1939.

iem. for purposes of (a) inspecting, sampling and gauging any sewage, trainage, sunstances or westes conveyed tarruga such a connection. (12) inspecting: MY DORLEGGING equipment of procedures mintained with respect to discharges; thereof, (iii) examining my records or matters pertaining to such discharges: of to the operation of pretreatment works, and (LV) determining any setter at compilance with requirements under this act. Officers or agents of the inthority may also enter my public or private property supplied directly or: indirectly by the waterworm system for purposes of (i) inspecting water works. or fixtures, (if) determining vater usage, (iii) preventing improper use or: Waste of Water. (IN) determining any metter of compliance with requirements: under this act. Entry upon private property for purposes of this section: shall be made (1) under varrant, including, victions limitation, varrants for. identistrative inspection upon a probable cause snowing of a reasonable and: valid public interest in the effective enforcement of setters governed by this ACT IN ACCORDANCE WITH A present plan justifying accountivistive unspection of premises specified in the application for such warrant, or (if) under procethree for varrantless entry of non-residential premises during pusiness lours: conducted by administrative inspectors in accordance with regulations which. the Authority shall adopt to further the urgest governmental interest in envicommental protection commetted to the Authority. This section small not .....: entries and administrative inspections, including secretes of property, vitaout a warrant (1) with the consent of the owner or person in charge of thes promises. (2) in situations presenting imminest danger to health or sarety. (3) in any other exceptional or emergency circumstances where time or opportunity to apply for a varrant is lacking, or (4) in all other situations in: which a warrant is not required by the laws and constitutions of the immonweelth or the United States.

(f) The Authority shall be deemed to be a public agency for purposes of and shall be subject to, sections forty-four A to forty-four A, inclusive. It chapter one numerod and forty-mine of the General Laws, section thirty of the General Laws and sections thirty 3 to thirty inclusive, of chapter seven of the General Laws, and shall comply vital requirements applicable to an independent public authority for publication of contract information in the contract register established index section.

Themselve A of chapter nine of the General Laws. The Authority shall not be subject to supervision under section treasy-two or chapter seven of the General.

LAMB. THE MAY ENTER INTO AFFERNMENTS UNder SECRETOR THERETOTHO A INC.
THERTY-THO 3 of chapter seven of the General Laws and in all respects not government by general or special laws expressly made applicable to the Authority shall adhere to good business practices to be determined by the Authority in its procurement of equipment, materials, property, supplies and services.

- (b) In operating its systems and performing its projects in relations thereto, the Authority say construct and maintain buildings, sachinery, made. Committs, pipes, sewers and aqueenets, say alter grades or directions of vatercourses and say commet aqueenets over or under any vatercourse. Fall-took, pipeline, cable, or way, restering the same to an good order and condition as practicable. Persons who sustain injury in their property by the Authority under this section say recover their damages under chapter seventy-nine of the General Laws, unless a lawful eligibility provision for such damages is otherwise made by the authority.
- (1) The Authority and the division shall be subject to the provisions of..

  CMA-10 requision by the department of environmental quality engineering and
  any division thereof as may be drily exercised over an independent nublic

  LARREST of the communealth pursuant to sections fourteen, Treaty-seven,
  thirty & to thirty-four G, inclusive, thirty-seven, forty and forty-tve to.

  COSTY-SIX A, inclusive, of chapter treaty-one & of the General Laws, sections
  four, six, seven and nine of chapter treaty-one C of the General Laws, sections
  tions three, six, seven, sine and ton of thapter treaty-one E of the Jeneral
  Laws, chapter sinety-one of the General Laws and sections two 3, two 3...

  fire E, fire G, seventeen, thirty-one D, me sundres and forty-two A to one
  bundres and forty-two E, inclusive, one hundred and fifty A, one numbered and
  fifty B, one sundress and sixty, one hundred and sixty A, one numbered and
  sixty B, one numbers and sixty-two one numbers and sixty A, one numbers
  one numbers and eleven of the General Laws.

The Authority small be decree to be a public entity under sections twenty-six A of chapter twenty-one of the General Laws and small be eligible for grants and other assistance under the Massachusetts Clean vater Act and any other program of federal or state assistance for vaterworks, vastewater, treatment or related purposes to the most liberal astant of the eligibility of an agency of the communicate, a political subdivision of the communicate, on any other public body of the communicate. The authority shall be subject to section four A and sections eight A to eight F. inclusive, of inapter twenty-

one & of the General Laws, sections three, four, seven, tan and fourteen :: chapter Trenty-one 0 of the General Laws and sections one hundred and forty. two A to one numered and forty-two E. inclusive, of chapter one numered indi eleven of the General Laws. The Authority shall be deeped to be an agency of: the commonwealth for purposes of, and shell be susject to, section one hundred. and fifty & and section one numbered and fifty 5 of chapter one numbered and: eleven of the General Laws. Vithout limitation on other public health or: environmental regulation over the Authority exercisable pursuant to other .... without conflict with the Authority's purpose of serving critical public seeds: on a bross prographic basis as a public instrumentality of the commonwealth .. the Authority also shall be subject to sections forty and forty A of chapter one hundred and thirty-one of the General Laws, to sections surty-one to. sixty-two d. inclusive, of thepter thirty of the General Line and to sections. THERETY-BIX C and therety-seven C of theretar sing of the General Luns. The AUTHORITY and the division shall be support to sections thereon to surteen. inclusive, and section eighteen of chapter one numbers and thirty-tvo & of the General Lors. In accordance with section eleven 3 of chapter tweeve of the General Laws, the Authority shall give written notice to the attorney (eneral) of all adjudicatory proceedings or public bearings consucted by it or to which It is a party in which damage to the environment is or say be at issue.

- contents on the division of vaterance messagement and the Authority, shall be subject to provisions regulating interpasse transfers as set forth in sections; eight 3 to eight 3, inclusive, of chapter transfers as set forth in sections; including vitnout limitation all approves therein required to be cotalized from the vater resources commission and to provisions for the protection of scenario and recreational rivers and streams as set forth in section seventeen 30 of chapter transfers of the General Laws and in section two of shapter transfers the eighty-four of the acts of sineteen numbers and seventy-three, including vitnout limitation all approveds respecting vater diversions therein required to be obtained from the general court.
- (A) Notwithstanding any rule or regulation or any provision of any general or special law to the contrary, the commissioner of public safety or call designee in the division of inspection of the department of public safety; small have exclusive jurisdiction and responsibility with respect to projects; or operations of the Authority for inspection, improvess, enforcement, permit-

TIME, and disansure authorized of required by ... injuter the tunared and interpretare of the Sederal Laws or (12) any regulation adopted nursuant to thepter eight numbers and two of the acts of numbers numbers and seventy-two...

- (1) Nothithstanding the provisions of the general laws, if comey, interpretour and one humaned and forty-seven of the General laws, if comey, in the possession of the Authority and remains unclaimed in its possession for a period of one humaned and cuency days, the Authority may sell the same. Attempting somey so unclaimed, at public auction after notice of such sale has been published in a companier published in the city or town waste such sale is: to take place. The set processe of such sale, after deducting the cost off storage and the expenses of such sale, and all many to unclaimed, shall become revenues of the Authority. If in the opinion of the Authority any such property in the possession of the Authority and unclaimed in its possession: for a period of one supered and cuenty days is of the value of one supered and fifty dollars or leas, the Authority may domain the same to a charitable organisation.
- (a) The powers of the Authority shall include the powers to be exercised by procesures, regulations, incentive and other charges, and licenses and pernits to require persons was are users of the sever system or of any :ributary; system to the sever system to comply with applicable provisions of federal and state im respecting (1) tonce waste and protreatment standards. (12) toney struction, operation and maintenance of protroatment ficulities. (222) monature toring, recordsceing and recording of discharges to the sever system, ..... motification of proposes new discharges or sumstantial changes in discharges to the sever system, and (F) user charges in accordance with law, and to requilate the nature and quantity of discharge of sowage, drainage, substances on wastes by any person into the sewer system or any sewer tributary thereto. The procedures, regulations, charges and licensing, permitting and other programs of the Authority shall also reasonably provide for spatament. : " countions and prevention of infiltration and inflow of ground vaters, surface waters or storm vaters into the sever system: and the Authority is directed to continue. and is sutherized in its discretion reasonably to require the extension and improvement of separation of severs for the collection, treatment, and dispossed of human and industrial sawage from arsinage for surface or storm water. The procedures, regulations, charges, licensing, persitting and other programs

of the Authority shall also reasonably provide for leak detection and first.

for programs for water conservation, including, without limiting the generality thereof, water use implications in time of drought or other emergency.

And say also reasonably provide for implication and sauntenance of Jeters by

Any person and the setering of use made by any user or group of users of the

sever system or any system tributary thereto or by any user of vater lerived

from the waterworks system. The Authority may regulate and require the taking;

of a permit from the Authority with respect to any building, immeriation.

excavation or crossing within an examenation other property interest held by:

the Authority or in the immediate vicinity of a water or sever main or other

facility which is operated by the Authority. The provisions of this paragraph:

shall not limit the generality of the requision; powers conferred on the.

Authority under section six and the powers to establish charges index section.

- (3) The Authority is supporting to take all secondary action, consistent; with applicable special or general law, acministrative regulation or practical, to secure any federal assistance which is or may become available to their Authoraty, the communeacts or any local boay for any of the sever or vater. works purposes of this act. If any federal law, againstrative regulation or. practice requires any action relating to such federal assistance to be taxed. by any department or instrumentality of the commonwealth other than their Authority, such other department or instrumentality is authorized to time a... such action, including vithout limitation filing applications for assistance. supervising the expenditure of federal grants or loans and texting any sectors: nations and certifications recessary or appropriate to the foregoing, and the Authority is authorized to take all action necessary to permit such departments or instrumentality to commit with all federal requirements, such action: orovided, however, that so such action or federal requirement small be taxen which is inconsistent with the provisions of any special or general .aw or the provisions of this act relating to vaterworks, sewer works, vastewater treat-SARE OF VALOE SUPPLY.
  - (a) Any person who without lawful authority injures, lestroys or interferes with any property held or used by the authority for the purpose of inner
    structing, operating or maintaining the waterworks system or the sever system.

    Shall be subject to a criminal fine of not more than fifty thousand toilars...

    or imprisonment for not more than one year; provided, however, that in these

. .. .

for each day such violation occurs or continues. Notesthataneous my clustertion on criminal penalties set forth in the preceding sentence, my person,
convicted of the ventom or salicious destruction of or injury to any property,
of the Authority uses in the construction, operation of maintenance of the
ventervorus system or the sever system shall also be liable in fort to the
Authority for triple the sevent of damages thereby caused. The provisions of
this paragraph are in addition to and not in limitation of the Authority s,
power to adopt, issue and enforce regulations, permits and licenses and estanliab penalties for violation thereof and to set charges and provide for the
collection and enforcement thereof.

SECTION 9. (a) Except for the acquisition of any vater supply source or: right to a veter source, which right is vested exclusively in the division of VALANTARIA REMARKANTE, THE AMERICATY MAY ACQUART FROM ANY PARTOR FIRE PROPERTY. OF MAY INTERPOSE OF FIGURE CHARGES, 100000 BY LE MAGENTIAL for OPERATION. IMPROVEMENT OF CHIAFFEDERS OF ILE SOMES AND VALORITY SYSTEMS IV COLUMNS. tomain in accordance with the provisions of chapter seventy-mine or thapter eighty A of the General Law subject to the prior improved of the governor and the general court; provides, lowever, that for taxings related to sain, iruna. intercepting and commercing severy and pumping stations incidental increto... and compliant overflow treatment works and pumping stations incidental ilerato... said prior approval shall not be research, and provided, that so property on rights, including veter rights, important the veterance system shall be taken: and, provided further, that no property or rights acready appropriated to public use shall be so takes without the orier approval of the governor and general court. Notwithstancing the provisions of this act, to taking by wait nest domain of water or water rights shall be made by the Authority. You taking small be mess for a project of the Authority them requires requistory approvate with respect to matters to watch the Authority is subject inner paragraph (2) of section eight until the Authority has certified that the Authority reasonably believes all such approvals will be occasion by the Authority in ordinary course. lefore a taking is sade by the authority for which designs may be recovered under chapter seventy-name, the Authority shall file with the secretary of the communical security to the securitation of said secretary for the payment of all damages and costs watch say to awarded for the property taken, and if, upon petition of the owner and notice to the Authority, any security times speeds to have become insufficient. The secretary shell require the Authority to give further security to the satisfaction. of the secretary.

- (b) The Authority may order the removal or relocation of any conducts. pipes, vires, poles or other property located in public ways or places, or in: or upon private lands, which it does to interfere with the laying out, construction. selectedence or operation of the sewer and vaterworks systems. sucjest to the ability of the proper suthorities lawfully to grant or otherwise: sales provisions for new locations for any such atructure so receive or relocated. Such orders, to the extent specified therein, shall be decree a ravecation of the right or license to maintain such combuts, Dipes, wires, poles, or other property in such public ways or places, and the private owner of iny: such attractures in public wave or places small commit with such priors. !!" any such owner shall fail to commy with any such order of the Authority. relating to any tues atructure in public ways and places within a reasonable. time, to be fixed in the erner, the Authority may discontinue and remove such! .commuts. pipes, vires, poles or other property, and may relocate the same. and the cost of such discontinuance, removed or relocation shall be reveale ::! the integrity by the owner. No such discontinuence, removal of relocations shall eatitle the owner of the property thms. affected to any tamages the account thereof. Any such structure in or upon private lands say to removed and relocated by the owner thereof, the reasonable expense thereor stall ter repeat to him by the Anthority.
  - (c) Subject to the prior approval of the governor and general court, and to applicable provisions of the laws and constitution of the components... including victors limiting the generality of the foregoing, article minety-seven of the Amendments to the Constitution of the Commonwealth. Local trines of laws concerned with diversion of lands devoted to public use to other inconsistant public use the Authority may, at public or private Malest seil, lease or dispose of my interest in real property of the sever and vaterworks systems acquired by the Authority pursuant to paragraphs by and (c) of section four, upon committees with the following conditions: it such property or interest in property is no longer messes for the construction... saintainance or operation of the sever and vaterworks systems; ..., such class...

    \*\*Sition\*\* Shall not impair the maintainance and operation of said systems; and that the Authority shall so notify the deputy commissioner of indical plants...

ting and operations, and said taputy townstioner shall proceed in scantismes:

(d) Real and personal property, or interests or rights therein. My become essential for operation. Emprovement or enlargement of its sever and vaterworks system. The Authority may, at public or private sale, dispose of sald real property, or interest or rights therein no longer needed for the construction, esintenesses or operation of the sower and vaterworks system. Subject to prior approval of the governor and the general court, provided, however, that such disposition shall not impair the meantenance and operation of sald system.

May interest in real property to disposes of say be conveyed, subject :3 that casements, reservations and restrictions as the Authority teams decessory to secure the salutemence and operation of said systems. Dy does duly executed by the Amthority, with or without varranty. In any case waste the Amthority, MAY dispose of such property, it hav convey it may receive in complete or lartial consideration therefor other property or interests thereis, for the puryour of the sower and waterworks systems. The title of the same to be taken in the use of the Authority. The Authority small gave sixty days notice of the proposed lease or disposition of any such property or any such interest in real property to the chief executive officer. As defined in section menty-three, of my city or town in which the real property is located and to the departy commissioner of capital planning and operations. The Authority shall be deemed to be a public agency for purposes of and sould company vittle sections forty I and forty & of thepter seven of the General Lows. The inthoraty also from time to time at public or private sale consucted in a compartially reasonable earmer say sail or otherwise dispose of personal property of the authority vector acquired pursuant to the provisions of paragraps .40 of section four or after the effective data of this act. valid is no .onten seemed for the construction. Maintenance or operation of sale systems.

SECTION 10. (a) Said Authority shall establish and adjust marges voted may be described as charges, fees, rates, assessments or otherwise as the Authority may reasonably determine, for services, facilities and immodition furnished or supplied by the Authority. The charges of the Authority Shall be separately established in respect to the Authority's vaterworks and seven mivisions and shall be fixed and adjusted so as to provide funds. In the

Aggregate and separately, with respect to costs and operations allocable to each division, sufficient in each fiscal year with other revenues of Authority, if any, available therefor (2) to pay all current expenses, (22) to pay. all debt service on bones of the authority as the same becomes due and payable. (III) to create and maintain all reserves reasonably required by any bond resolution, trust agreement or other agreement securing bonds of the Authority or as otherwise determined by the Authority to be secessary :: desirable. (ir) to pay all costs of maintenance and replacement of the sever: and vaterworss systems, and costs of improving, extensing and uniarging 1414: systems as determined by the Authority to be necessary or desirable. to befunded as current expenses in order to carry out the purposes of the Authority. (r) to provide for payments to the components for dest service 4s. hereis provides, and (F1) to pay or provide for all amounts which the Authority may be obligated to pay or provide for by any law or contract including; any bone resolution, trust agreement or other agreement securing somes of the Authority and including any amount to be repaid to the commembered to relaburse the commonwealth for dest service paid by the commonwealth in a bondissued under paragraps (f) of section five. The charges of the Authority for delivery of vater and for sowage collection, disposal and treatment services. shell be established as charges of general application to be come by the local body utilizing such services and shall be established at a level sufficiant to beet the revenue requirements of the Authority as provided in this paragraph. notwithstanding the provisions of any other general or special .... to the contrary.

Said Authority's charges of general application shall be educed, and online than an angual basis reviewed and if necessary revised, in accordance with procedures for notice and a hearing as provided by chapter thirty. A of the General Live, and notice of such hearing shall also be delivered at least twenty-one days in advance of the hearing date, to the advisory pourd and outlished in newspapers of general disculation in dities and towns receiving services. No later than the date of such publication, the Authority shall transsit to the advisory board and reasonably provide for other public review for the period preceding the hearing including (1) its most recent financial statements. (11) its current expense budgets and capital expenditure budgets for the current fiscal year and, if then adopted or proposed, for the next fiscal year, and (111) the proposed charges on valid the Authority seeks

soul impay with requests of the ombudeness acting under paragraph 27 of: section treaty-three for the inspection of the books, records, financial Statements and documents of the Authority relating to the proposed tharses. In establishing its charges the Authority small continue provisions for: subsidization of vater charges to which any local body is entitled in iccornand with contract or other lawful obligations assumed by the Authority 151 successor to the entropolities district commission, to the same extent is than secrepolities district commission would be been to provide such such such such such if such therees had convinued to be established by the matronelizan district: COMMISSION. The AMERICAN NEW SIZE STOWNESS for Charges of special applications to any person for communation for special or temporary services entered into in accordance with paragraphs (c) and (d) of section eleme. Therees of specasi application shall not be regulations for purposes of chapter therey & str the General Law and new be computed in the Authority's discretion with respect to the services or commentates provided on the basis of the Authori-"Ty's costs, or the value of the besefits conferred on the payer, or markets The charges of the Authority, whether of general or special applicant tion, shall not be subject to supervision or regulation by any office, report. some, division, commission, board, bureau or agency of the commonwealth or any of its political subdivisions. The charges of the Authority, vactoer of general or special application, small give account to (i) actual costs to the inthoracty of providing services. (41) reasonable provisions in the nature of incontives and disingulatives to promote conservation of resources and protest." tion of the environment and to income the protection, saintanance and improvewat of the lower and waterworks systems and of lower and water systems of local bodies, (111) resecusie provisions reflecting the contribution made DVI local bodies through expensioures including, but not limited to. leas tetection. System remainification and other vater sanagement programs, severage inflow/infiltration requestion projects. Separation of companed severs and other projects veich improve the overall efficiency of the Authority & Andi local bodies' service delivery, (iv) reasonable provisions to reflect respect tive local bodies disproportionate historic investment in the sewer and VALSETVOTES SYSTEMS AND IN the former secropolitan district commission 10000 178ton and secremental district commission vater system used in the services! delivered by the Authority, (v) reasonable interest imarges and penalties for

public comment. Prior to my public hearing as provided hereis, the Authority

.b) Said Authority, \_ such form as it tatermines, may tertify to each local body to which services, facilities or commencials of the Authority its delivered or furnished the amounts of the Authority's tharges to such local. body. The Authority may adopt and enforce procedures and regulations for their purposes of seeing, collecting and enforcing its castles which, vitaout ....... ing the generality of the foregoing or the general powers with respect to its regulations and charges provided or by any other reneral or special 'am. :ay. impose requirements on any person including, but not limited to, local bodies and officers and boards thereof or supersinate thereto. respecting (2) the furnishing, to the Authority information reasonably deemes pertinent by the Authority concerning the volume and character of services, facilities and consocities furnished or supplied by the Authority, and the nature and quantity. of services, facilities and commenties furnished to or to be furnished to or used by or to be used by users, and (ii) reasonable schedules for resittance to the Authority of its charges. Is all actions pursuant to this paragraps... the Anthority small give due regard to local bostes' system of billing and collection of vater and sewer charges in order to avoid immediatary expenses and to achieve sanagement and fiscal efficiency tonsistent with the attainment. of the Authority's statutory objectives. Local bodies, and officers and boards thereof or subordinate thereto, shall cooperate with the Authority ::: effect the prompt, accurate and efficient billing and collection of the inthority's charges. In the event any local body, which has received a cartification of the Authority's charges, small fail to pay the same to the Authority when one after denome by the authority, the Authority new vithout inv requirement of election of remove provided that there is no dublication of: recovery, (1) certify to the state treasurer the amount owing to the authority. by said local body, whereupon the state treasurer shall promptly pay over to the Authority any assume otherwise certified to the state treasurer for payseat to the local body as receipts, distributions, reimpursements and assist times under sections eighteen A. eighteen B. eighteen C and eighteen D of chapter fifty-eight of the General Love and any other amount for local relabursement, grant or assistance programs entitled to be received by such iccan body until such time as any deficiency in the local body a payment of chargest to the Authority shall be set off by such payments from the state treasurer. and (11) recover from the local poet in an action in superior court the amount:

. .. .

of such unpaid amount together vith such that interest and other social limits are refused of the local body to pay over said amount. They amount paid to the Authority by the state treasurer as a set off under the provisions of the next preceding seasoness which is later determined, upon audit, to be in excess of the actually amount of the such is later determined, upon audit, to be in excess of the actually amount of the such in later determined, upon audit, to be in excess of the actually amount of thesize, interest and damages due to the Authority, ideal, upon demand of the local body, he repeald by the Authority to the local body.

SECTION 11. (4) Debt for borrowes somey incurred by the communication respect to the secrepolities district commission sower system. or any produces. ser thereof, shall not be assumed by said Authority; provides, however, that OR And after July first, singtoes sungred and eighty-five, the Authority that; make payments to the state treasurer from the sever division to remourse that commonwealth for all payments seen on and after July first, numerous and expery-fire by the commenceath on account of principal. including sinking, fund installments me interest on all bones of the communeacth :sauce ;:: purposes of the former metropolitan district commission lower system. The AMOUNT OF THEE PRINCIPS COURTS, and the date on vales the Amounts to be relapursed smail become due, shall be corrested to the Authority by the treasurer. for each fittel year no later than two humares and eighty days prior to their commencement thereof; provided, however, that such amounts due on July first... limeteen numbered and earthey-five small be contified annexy tays prior thereto... The collection of the Authority to make the reinfurnements herein required shall be supermines in every respect to the Authority's obligation for seets SERVICE OR ILS DOMAN.

(b) Debt for borrowed somey incorrect by the communication in respect to the secreptitin district commission water system, or any producessor instead, shall not be essued by the anthority; provides, lowever, that on or after July first, inseres authority; provides, lowever, that on or after beents to the state treasurer from the water division of the authority to reason beents to the state treasurer from the water division of the authority to reason first, numerous authority for one-half of all payments sade on or after July first, numerous numerous and eighty-first by the commonwealth on account of principal, including singles from installments and interest on all bonds of the communication district commission water system. The amount of such reinforcements, and the late of which such amounts to be reinforced shall become due, shall be carrifted to the Authority by the treasurer, for each fiscal year to later than two numerous

and eighty days prior to the commencement thereof; provided, however, that such amounts due on July first, himsteen numbered and eighty-five soail be corrulated numbery days prior thereto. The obligation of the Authority to make the responsements derein required shall be supprehensed in every respect to the Authority's obligations for debt services on its bond.

SECTION 12. (a) Said Authority may provide, by resolution of the poers of directors, for the issuance from time to time of bonds of the Authority for. any of its corporate purposes and for remourament, pursuant to section. foreverse, to the communesth for costs associated with the division, or fort the borrowing of somey in anticipation of the issuance of such conds. issued by the Authority say be issued as general obligations of the Authority: or as special obligations payable solely for particular revenues or funds is. may be provided for in any bone resolution. Trust serement or other serement securing bonds. The Authority may also provide by resolution of the board of directors for the Lisumes from time to time of temporary notes in anticipa-tiom of the revenues to be collected or received by the Authority, or in. anticipation of the receipt of other grants or aid. The issue of such notes: shall be governed by the provisions of this jet relating to the usue of condiof the Authority other than such temporary notes as the same may be applicate. ble: provided, however, that notes issued in anticipation of revenues ind... marture on later than one year from their respective datas and notes issued Lin ambicipation of grants, or other aid and renewals thereof, shall mature to later than six months after the expected date of receipt of such grant or sid... The aggregate principal amount of all bonns issued under the authority of this. act. small not exceed the sum of six hundred million dollars outstanding st any one time, provided, however, that bones for the payment of redemotion of which, either at or prior to maturity, refunding bonds shall have been issued .. shall be excluded in the computation of outstanding somes.

(b) Bonds of each issue shall be dated, may bear interest at such rate of rates. Including rates variable from time to time as determined by an incax... Danker's loan rate or other setnod determined by the Authority, and shall sature or otherwise be payable at such time or times, as may be determined by the Authority, and may be made redeemable before maturity at the obtion of the Authority or the holder thereof at such price or prices and under such terms: and conditions as may be fixed by the Authority. Prior to the initial listure and of each series of bonds the Authority shall lights the lightly loans.

ifeated by tection iventy-three and the frequence office for tomanistration and finance of the timing and terms thereof and the Authority Shall 1.30 com-PUBLICATE SUCH information to the finance sovingry poers. The Authority sheal? determine the form of bones, including interest coupons, if any, to beattached thereto, and the sammer of execution of such bonds, and shall fix the demonstration or demonstrations of such bonds and the place of places of payments of principal, federation pressure, if any, and incarest, which say he at any: bank or trust company within or without the componwealth. In case any officer: vasce signature or a factuable of whose signature small appear on any bosts or: componen small cause to be such officer before the delivery thereof, such signature or fathamile shall nevertheless be valid and sufficient for all purposes as if such officer had remained in office until delivery. The Authority may provide for authentication of bones by a trustee. fiscal agent. registrar or transfer agent. losse may be usues in bearer or in registered form. ... both, and, if notes, any on mane payable to hearer or to order, as the Authority may determine, and provision may be made for the registration of my court pom romes .as to principal alone and also as to both principal and interest. for the reconversion into coupon bones of bones registered as to tota orthogonal cipal and interest me for the interenance of bosos registered is to both. principal and interest and for the interenance of registeres and coupon bonds .: The Authority may also establish and maintain a system of registration for any bonds vectory the case of the registeres owner, the rights evidenced by their bomes, the transfer of the bomes and such rights and other similar setters are. received in books or other records saintained by or on behalf of the Author" . 107, and no instrument evidencing such bond or rights need to delivered to the registered owner by the Authority. A copy of the books or other records of the anthority pertaining to any- bone registered under such registration system cartified by an authorized officer of the Authority or by the agent of the Authority maintaining such system shall be admissible in any proceeding -----OUE SUFFIRST AUGUSTICATION. The AUGUSTET DAY AGOST SEGULATIONS VICE SESSECTS to the operation of such system. The poers of streeters may by resolutions delegate to any director or directors or officer or officers of the Authority or any commination thereof the power to determine any of the setters set forthi in this section. In the discretion of the Authority, comes of the Authority! may be ussued with such terms as will cause the interest thereon to be subject! to federal income taxation. The Authority may sell its bonds in the tanger.

estmar at punite or private sale, for the price. It the rate of rates of interest, or at discount in lieu of interest, as it say determine will best. effect the purposes of this act.

- VICEOUR COUPONS, EXCHANGEADIS for definitive comes view the books shall have been executed and are available for delivery. The Authority may hiso provides for replacement of any books value shall have beenes sutilated or shall have been destroyed or lost. The Authority, by itself or through such stant as its may belief, may purchase and invite offers to temmer for purchase any books of the Authority at any time outstanding, provided, however, that is such purchase by the Authority shall be made at a price, exclusive of accrued intervents, if day, emessing the principal assume themselves of accrued intervents, if day, emessing the principal assume themselves of the outlost of the following price of such books when have resemble at the outlost of the following, and may resemble and purchases in such manner and for such prices as it may determine will beet effect the purposes of this act.
- (d) In the discretion of the board of directors, any some usues seremast say to locured by a tone resolution or trust agreement of their larges. see 12 such for and executed in such manner as see to accerning to the MARE OF SECONDARY DEGREES AND ANGEDRALLY AND THE PURCHASERS OF SOCIETS OF SUCE: bonds or between the Authority and a corporate trustee which hav to any trust. company or base having the powers of & trust company within or vithout the communants. Such bone resolution, trust agreement or other agreement savi pleage or assign, in waste or in part, the revenues and funds teld or to bereceived by the Authority, and any contract or star fights to receive that ime. Wether then existing or thereafter coming into existence and vocther: tion held or thereafter acquired by the Authority, and the process thereof Such Done reseastion. Trust agreement or other agreement has contain such! provisions for protecting and enforcing the rights, security and recommen of the generality of the foregoing, provisions defining defaults and providing: for remeates in the event thereof which may include the acceleration of METERITIES, restrictions on the individual right of action by commanders indi invenents setting forth the duties of and limitations on the Authority in: relation to the acquisition, construction, improvement, entergement, literation. equipping, furnishing, maintenance, me, operation, reser, maurances and disposition of the sewer and vatervorks systems, the custody, safequard."

of any surplus bone processes, the establishment of reserves and the sazing and immediate of contracts; provided, however, that the Authority shall not sorted the sazing and the sazing and the sazing of the sazing of the sazing and the sazing and the sazing of the sazing and the sazing and the sazing and the sazing of the sazing and t

T. LLE LISUE OF LEGISLES. IT THREE

- (e) In the discretion of the board of directors any bosses issued under: AMERICALLY of this act may be issued by the Authority in the form of lines of eredit or other banking errangements under terms and conditions, not incon-Sistems with this acc. and under such agreements with the purchasers or masers! thereof or my agent or other respenses tive of such surchasors or basers is the board of directors may determine to be in the best interests of their AMERICATION IN AMERICAN TO OTHER SOCIETY PROVIDED BETWEEN OF CENTURE BY LAW. bonds issued by the Authority under any provision of this act say to secured. in whole or in part, by (inancial guarantees, by insurance or by latters of CTRALE LISURE to the Authority of a trustee of any other person. Jy any land... trust commer, insurance or surery commery or other (insucate institution.) VICELE OF VICEOUS the communicate, and the Authority say prosper or assign, and "whole or in part, the revenues and funds held or to be received by the Author-ing or thereafter coming into existence and whether then held or thereafter. security by the Authority, and the processes thereof, as security for such presented of insurance of for the resemptement by the Authority to Ady. issuer of such letter of credit of any payments sade under such letter of CERNIE.
  - tory or trustee of the processe of bonds, revenues or other amount index is bond resolution, trust agreement or other agreement of the authority and to firming indemnification and to provide security as may be required by the authority under the provisions of this act shall be valid and binding and shall be deemed counting the provisions of this act shall be valid and binding and shall be deemed counting and shall be deemed to timiously perfected for the purposes of the uniform commercial code and other. I have seen such pledge is made. The revenues and funds, rights therein and thereto and processes so pledged and them held or thereafter accourse on received by the authority shall immediately be subject to the ...an of such pledge vithout any physical delivery or segregation thereof or further act.; and the lies of any such pleage shall be valid and binding against all parties

LAVING SIZION OF MAY KIND IN SOFT, CONTINCT OF OTHERWISE ASSECTED THE AUTHOR
167, Whether of not such parties have notice thereof. The bond resolution.

167118 Agreement of any other agreement by which a piedge is prested need not,

168 filed of recorded to perfect such piedge except in the records of the

168 Authority and no filing need be sade under the uniform commercial code. It is

168 hereby declared that any piedge of assignment sade under the Authority of this,

168 an exercise of the political and governmental powers of the Authority.

268 And revenues of funds, contract or other rights to receive the same and the

269 proceeds thereof which are subject to the lies of a piedge or assignment tree;

269 Atest under this act shell not be applied to any purposes not permitted by such

269 pledge or assignment.

- (2) Lay holder of a bond issued by the Authority under the provisions of: the act or of any of the coupons appertaining thereto and any trustee or other representative under a bond resolution, trust agreement or other agreement securing the same, except to the extent the rights herein given may be restricted by the resolution, trust agreement or other agreement, MAY OFFICE; suit upon the bonds or coupons and may, either it law or in equity, by suit. proceedings for the appointment of a receiver to take possession and innere. of the business and properties of the Authority, to operate and saintain the: 1400. to take any necessary repairs, removels and replacements in respect: thereof and to fix, revise and collect charges, protect and enterts any and all rights under the laws of the communealth or greated hereunder or ...der such bond resolution, trust agreement or other agreement, and say enforce and commed performance of all duties required by this act or by such bond : ssoiution. trust agreement or other agreement. In he performed by the Authority on by any officer thereof.
- (a) before the issuance of any bonds of the authority each sender of the board of directors are each officer of the authority charges with responsibility for the issuance thereof shall execute a surety bond conditioned on the faithful performance of the duties of the office of each such director and officer, in the sum of one hundred thousand dollars payable to the Authority... or, in lies thereof, the Authority shall obtain a plantet bond in the same amount covering all such persons, and such bonds or bonds shall be filled in the office of the secretary of the commonwealth.

SECTION 11. Said Authority may issue refunding bonds for the purpose of

paying any of its bonns issues pursuand to this act at or other to saturity or ipon acceleration or redemetion or purchase and retirement. Refunding possess 247 De Lisues at such times at or prior to the maturity, recemption or purthese and retirement of the refunded bonds as the board of tirectors deems to be in the interest of said Authority. Refunding bonns may be issued in sufficlast amounts to pay or provide for payment of the principal of the boads: being refunded, together with any redemption pressure thereon, any interest or discount accross or to accrue to the date of payment of such bonds, the costs! of issuance of the refunding bonds, the expenses of paying, redeeming or purthesing the bones being refunded, the costs of holding and investing proceeds of refunding bonds pending such perment, retemption of purchase and such reserves for debt service or other capital or current expenses from the procooks of such refunding books as say to require by a book resolution. ITEST: agreement or other agreement securing poster. The manue and said of refunding. bosss. the saturation and other details thereof, the security therefor, the rights of the toldars thereof, one the rights, duties and collections of the AMERICANTY IN PROPERTY OF the same small be governed by the provisions of this ACT FRIGIDE to the Lanue of bones other than refunding popular instruments instruments teme may be applicable.

SECTION 16. Senses issued by said Authority are hereby made securities in which all public officers and agencies of the communications in their commercial departments, advings beens, comperative beaus, beausing associations. Investigation commercial comperative beaus, beausing associations. Investigation comperative beaus, beausing associations. Investigation comperative and other fiduciaries say properly invest funds, including capital in their control or coloriging in them. Such beaus are sereby uses societies value any property to decontrol with and receives by any state or manifical officer of any agency or political subdivision of the communication for any purpose for value the deposit of bosons or obligations of the communication or any political subdivision is now or naw bereafter be authorized by law.

SECTION 15. Bonds may be issued under this set without obtaining the consent of any executive office, department, division, commission, board, bureau or agency of the communication or any political subdivision thereof, and with our but any other proceedings or the happening of any condition or acts other than those proceedings, immeditions or acts which are specifically required therefor, and the validity of and security for any bonds issued by the Authority pursuant to this 400 shall not be affected by the existence or conexistence of any such consent of other proceedings, conditions of 4003. Provisions of this 400 relating to the preparation, adoption or approval of programs and budgets shall not affect the issue of bonds and bonds say be issued either terore of affect such preparation, adoption or approval.

SECTION 16. londs assued under the provisions of this act, excepting env. intes or bonds guarantees or insues by the commonwealth under paragraphs en or (f), respectively, of section five, small not be deemen to be a debt or 4. place of the faith and credit of the communealth or of any of its political. subdivisions, but shall be payable solely from the funds of the Authority from which they are seen payable pursuant to this act. Bonds issues under the previsions of this act, excepting any notes or bosse guaranteed or issued by the communication under paragraphs (a) or (f) of section five, shall recitathat neither the communealth nor any political sundivisions thereof shall be obligated to pay the same and that neither the faith and credit for the taxing: power of the commemorath or of any political sundivision thereof is predgets to the payment of the principal of or interest on such bonds. Further, every bone shall regate whether it is a general obligation of the Authority of Al special obligation thereof payents solely from particular revenues or funds, pleaged to its payment. The aggregate principal amount of all bonds issued: under the authority of this act shall not exceed the sum of six numbers si.lion dollars outstancing, provided however, that bonds for the payment of redesection of which, either at or prior to saturity, refunding boads 1041. have been issued shall be excluded in the commutation of outstanding ocuas.

SECTION 17. Notwithstanding any of the provisions of this act or any recitals in any bonds issued bereinder, all such bonds shall be deemed to be investment securities under the uniform commercial code.

Proceeds from the issue of bonds or as revenues or otherwise, shall be deceded to be trust finds to be held and applied solely as provided in this ict.

SECTION 19. (a) Souds issued by the Authority, their transfer and the income therefore, including any profit made on the sale thereof, shall, at all times, be execut from taxation by and within the commonwealth.

(b) The Authority shall not be required to pay any taxes, letterments...

Mississents or excises upon its income, \*xistence, operation or property: 2007Vided, lowever, that so long is there is no revocation of the Authority M

title to sever and veterworks systems as provided for in section frum, the Authority is suthorized and directed to make payments in sometimes with sections five 3 to five F. inclusive, of changes differenties of the Jeneral Laws.

SECTION 20. It is expressly contambiated by this act that the Authority. to the extent issued by it to be necessary and convenient to achieve its purposes under this act and under such supervision from agencies of the commevesith as is expressly authorized in this act, shall provide vater and sewages collection, treatment one disposal services within its service area on an explusive basis. It is intended that this section shall not (1) diminish their powers or responsibilities of local bostes, (ii) override other provisions of this act requising the procedures for theseconnes of local vater supplies." (iff) limit the lawful exercise of any local body, suspect to applicables approvate by the department of environmental quality engineering and the vater. resources commission, to continue to use any source of vater uses by it or to develop or familitate any source of water to be used by it. or (17) immission responsibility on the authority for operation of the sower and vaterworth 1750's term except is the Authority is charged with responsibility of MAY elect to exercise responsibility under other provisions of this set. In addition the and without limiting the generality of the foregoing, said Authority shall be 4 "local greenment" insofar An Concerns (menuty under sections (-), (-4) or (4C) of the Clayton set; 15 U.S.C.A 1815, 154, one 150 from cameges, interest. on damages, costs or attorneys face for a local government. for any official. or employee thereof acting in an official capacity or for a person spaintil when a claim is bases on any official action directed by a local government. or official or employee thereof acting in an official capacity.

SECTION 21. The AUCHOPICY and 122 corporate existence sould imminished intelligence to long as said Auchority shall have books outstanding unless adequate provided so long as said Auchority shall have books outstanding unless adequate provided of the Authority, the title to all funds and other properties bound by ... which remain after provision for the payment or satisfaction of all books of the Authority shall west in the commonwealth. The obligations, canta and liabilities of the Authority shall be assumed by and imposed upon the commonwealth, and the funds of the authority retirement system shall be transferred to the treasurer and receiver general or to such other successor as the general court any designate, to be held for the exclusive use and benefit of the

SECTION 22. (a) The Authority, shall, at all times, sees full and accurate accounts of its receipts, expenditures, disbursements, assets and liabilities which shall be open to inspection by any officer or many appointed agent: of the communeath or the advisory board. Said Authority shall number an annual report, in writing, to the governor, the president of the senate, their speaker of the house of representatives, the chairsan of the senate committee. On ways and seems, the chairsan of the nouse on ways and seems and the advisory board. Said report shall include financial italianses relating to the operations, properties, and capital facility expenditures, including costs of land acquisitions, of the huthority maintaines in accordance with generally accepted accounting principles so far as applicable, beginning with the fiscal year of the Authority commencing July first, ninetees numbers and eighty-five, and audited by an independent cartified public accountant first.

eignty-mine and every five years thereafter, the authority shall summit to the segnty-mine and every five years thereafter, the authority shall summit to the governor, the president of the segate, the speaker of the nouse or representatives. The chairman of the segate committee on ways and means, the their the house committee on ways and means and the advisory pourd a progress report on the Authority's ettainment of its statutory purposes. Each such five-years progress report shall be prepared by the Authority with the assistance of an independent citizen passes which shall include persons selected by the Authority and approved by the advisory board who are emperienced in environmental protection, civil angineering and public management and finance. Said reports, shall include recommendations concerning the future activities of the Authority including, but not limited to, changes in the provisions of this lot in the Authority's administrative procedures necessary or desirable for improving the delivery of services. The costs of preparing the reports of said Authority ity shall be provided for in the current expense oudgets of said Authority

SECTION 23. (4) There shall be an advisory board to the Authority 1987.

Sisting of (4) a voting representative of each of the following sittles and towns: Arlington, Ashland, Sectors, Belsont, Boston, Braintree, Brookline, Burlington, Cambridge, Canton, Chelses, Chicopee, Clinton, Decham, Everett, Framingnam, dingnam, dolbrook, Leoninster, Laxington, Lynn, Lynnsieid, Marcan, Marblehead, Mariborough, Medford, Melrose, Milton, Wahant, Wattox, Weednam, Newton, Northborough, Norwood, Peabody, Quincy, Randolph, Reading, Revere,

Saugus, Scherville, South Staley, Southhorough, Statemen. Vestwood, Veywouth, Vilbraham, Vilhington, Vinchester, Vintarop, Comura and: Vorcestor and (11) & voting representative of the setropolitan area planning, council to be designated by the poers of the council and six persons to be appointed by the governor was small be voting representatives from the follows: ing categories: (1) one person was represents the interests of persons and communities in the Connecticut river basin area. (2) one person who represents the interests of persons and communities in the Quabbin and ware vaterioses AFRA. (3) The person was represents the interests of persons and communities; in the vachusett vatershee area, provided, however, that is such person. appointed for categories (1), (2) or (3) shall live in a community which has a representation on the advisory boars by virtue of clause (2) of this sentance. (4) one person with intil and expertise in setters relating to environmental. protection, and (5) two persons qualified by personnels or affiliation in organizations directly compares with the recreational or commercial uses of - lostes larger and who are further qualified by professional experience in an. environmental or scientific siscining. The sensor of the devisory toures representing a city or town small commist of the calef executive officers therest: provided, however, that any chief excentive officer, by writing filed VIET the Authority may opposit a permanent designee to serve in his stock as at member of sald advisory mean until the expiration of each term of office of the designating thief executive officer or the earlier vacancy of the officer of the designating chief executive officer. For purposes of this section, the "this executive officer" small seem the person designated as the chief. expensive officer under the provisions of a local charter of loss leving the forte of a charter, and otherwise the savor in every tiry and the chairsen of the boars of selectmen or president of the town council, as the case hav be ... in every town. The compers of said sevisory board appointed by the governors shell serve coterminous with the governor.

(b) The total voting strength of the advisory pourd shall be one numbered votes. Of which number-five votes shall be divided on a fractional basis in the namer hereafter provides among the cities and towns listed in clause ... of the first sentence of paragraph (a) of this section and rive votes shall be divided on an equal fractional basis among the representatives provided for in clause (if) of said sentence. The fractional vote of the representative of

4 4575 seen outy or town small be determined to in innuel pasts by the Authority to A Volunted basis by dividing a reasonable estimate of the marges for the Authority : services to users in that city or town by & reasonable estimate of. the charges for the Authority's services to all users in all such cities and: towns. For each year the determination of votes shall be certified to then advisory board by the Authority, provided, however, that within five days of the effective data of this act the executive office of environmental iffalfs: shall prepare an interia voting value based on the sost recent available angual records of the costs of veter and sever services of the secropolitan. district commission, which interim voting value small be conclusive upon the advisory board until July first, simpthem numerod and eighty-rix. Said advisory board may act at a regular periodic secting called in accordance with its: by-laws or at a special seeing called by the Authority or by representatives: of fifteen or more sensors of the advisory boars. Except is specially ornvided in paragraph (e), a quorum of the advisory board shall consist of representatives was hold a total voting strength of fifty or sore of the votes of: -the advisory board, and the advisory board say act, except as otherwise provides in paragraph (a), by the affirmative casting of a sajority of the votes represented in the quorum. The savisory board small be deemed to be a governsental body for purposes of, and shall be susject to, section eleven A and: one-bail of chapter thirty & of the General Lore and shall also be subject to:

- (c) For the communit of its business said advisory board shall industive elections of revise and assembly elections. Said advisory board shall industive elections that persons a vice chairperson and a secretary and such other officers as said advisory board may determine. Each officer shall serve until a successoring choosen and qualified. Each officer may be removed by vote or the advisory board with or without cause. In the event of a vacancy, said board shall fill, the vacancy for the unampired term. Each sensor of said advisory board shall serve without commensation but may be reimbursed, as an expense of said advisory board, for all reasonable expenses incurred in the performance of its successory board, for all reasonable expenses incurred in the performance of its successory board.
  - (d) The purposes of the sevisory poers shall be as follows:

section tem of chapter surty-six of the General Laws.

- (1) to appoint three sensors of the board of directors of the Authority.

  In the manner beneafter provided and in section three:
  - (11) to consider setters committed to the approval of the advisory toard

- (111) to make recommendations to the Authority on Angual Hillent expenses expensions amageds submitted to the Advisory board in Accordance with page. Arapa (b) of section eight:
  - (IF) to make recommendations to the Auchority on its charges:
- (F) to hold bearings, voten may be held jointly with the Authority at the discretion of the advisory poard and send Authority, on matters relating to said Authority;
- (PI) to review the answell report of the Authority and to prepare comments.

  Thereon to the Authority and the governor, and to make such examinations of

  the reports on the Authority's receive and affairs as the advisory poers seems

  appropriate: and
- (PII) to make recommendations to the governor and the general court: respecting the authority one are programs. The anymory poers insil have all powers necessary or convenient to carry one and effectuate the foregoing purposess.
- Appendix by the advisory board. Tomogra of the board of intractors for appendix say also be assert of this devisory board. Tomogra of the board of intractors for stail advisory sours. Said advisory sours: shall appears successor sensors which successor sensors shall replace these board of directors appearance by the advisory board votes there is sensors of the board of directors the advisory board shall act bely if there is a special quorum consisting of a sajority of those persons who are voting sensors of the servicery board and advisory board and it appears to the advisory board and at voting sensor of the servicery board and it appears of the servicery board and only by an affirmative vote of the sajority of the persons who are voting the sensors present, sade voting sensor voting one unweighted vote. And this instance the total voting strength of the advisory board shall educate the total voting strength of the advisory board shall educate the total voting strength of the advisory board shall educate the total voting strength of the advisory board shall educate total subsets of persons exercised to vote.
- (f) Within therey days of receiving any proposes current expense budget of the Authority or within fifteen days of receiving any proposed imanded expense budget of the Authority, the sowingry board shall hold a budget learning on matters relating to such budget for the purpose of incertaining, for successory report to the Authority of necessary, the views of the public thereon.
- (2) The advisory board shall provide for the appointment of in consuderant was. With assistance from such staff and commutants as the advisory pour taxs

Authorize and appoint, inail act for and in the name of the devisory toard in the following respects:

- (1) preparation of analysis for the advisory poers of the Auchority scurrent expense oudgets, capital expensiture oudgets and capital programs and their effect on the charges of said Authority;
- (if) representation of the advisory moand to said Authority in all sate term relating to said Authority's programs, operations, finances and tharges.
- (fif) reporting regularly to the advisory board on the activities of the commission and other staff of the advisory board, on the affairs of the Authority, and on the effect of the Authority's program and operations on the costs; to consumers of vater and sower services; and
- (IF) exercising such other duties and responsibilities consistent with:
  the powers of the advisory board as the advisory board may assign from time to:
  time.

Reports of the onewasen, after acceptance by the advisory pourd, shall be seen evaluate to the public.

thousand dollars in the fiscal year commencing July first, discussed numbered and eighty-four and not to exceed one hundred thousand dollars annually there-i after for expenses authorized under paragraph (c) and for personnel and office-expenses. Such expenses shall be paid by the Authority in the fiscal year. commencing July first, discount hundred and eighty-four from amounts appropriated to the Authority by the commenciath, and thereafter shall be provided for in current expense budgets of the Authority. After the fifth indiversary of the transfer date, the manusem level of invisory board expenses have been increased from time to time upon the review and approved by the Authority of the justification for such increases aumsittee by the advisory poard.

SECTION 26. The superior court department of the trial court shall have:
jurisdiction to enforce rights and duties created by the provisions of this
act, and on complaint of the Authority say restrain violations of the Authority
ty's regulations and otherwise enforce by any appropriate remedy. Including
without limiting the generality of the foregoing, injunctive relief, the requilations, licenses, permits, orders, penalties and charges of the Authority:
Penalties and charges established by or under authorization of this act shall
be collected for the account of the Authority and paid over to the Authority
Except for rights of action expressivy conferred upon the Authority, no provin-

sion of this act shall create private frights of iction in enforcement proceed-

Notwithstanding any provision of the Massachusetts fator Resources Authorstity Act or of any special or general law to the contrary, the supress judicials court shall have original and exclusive jurisdiction of all state antions in which the Authority is a defendant and vator pollution is an issue. The attorney general shall appear on behalf of the Authority in any action involving vator pollution in which the Authority is a plaintiff or defendant, and her shall do so to the same extent as is required by section three of thanter twelve when appearing on behalf of a state agency.

SECTION 25. The provisions of this set small be deemed to provide any additional, alternative and complete sethod for accomplianting the purposes off this set, and small be deemed and construct to be supplemental and additionall to, and not in derogation of, powers conferred upon the Authority and otherse by last provided, however, that inseter as the provisions of this set are incomplated with the provisions of any general or special law, administrative order or regulation, the provisions of this set small be controlling.

SECTION 25. (4) All local poster and all public agencies. Intrimentative class, commissions and authorities of the communication are hereby sucherized and exposered to uncertain activities, programs and projects in compunctions with the Authority in furtherance of the purposes of this act. Including villages limiting the generality of the foregoing, to join in investigations and station, and to grant applications and applications for project appropriat.

- (b) Except with respect to real property acquires or held for ourseess describes in Article MITTL of the Assessment to the Constitution, all local bodies and all public agencies, instrumentalities, commissions and authorities; of the commission, are hereby authorities and emouvered to lease, land, grants or convey to the Authority upon such terms and conditions as the propen authorities of such public bodies, public agencies, instrumentalities, commissions and authorities of the commission may deem appropriate and victious the necessary of any action or formality other than the regular and formal actions of said public bodies, agencies, instrumentalities, commissions and authorities of the commission instrumentalities, commissions and authority that of the commission any interest in any read or personal property value.

  249 be decassary or convenient to effect the purposes of the sever and value.
  - (c) All general and special leve relating to vater and sewer services to

local rodies shall be interpreted and construed liberally so as to effectuatethe purposes and provisions of this act and the dojectives of the authority.

- (d) For any local body in the service areas of the Authority, local officiais lawfully so energed shall for their local body have the charge and control of the respective vater, vatervores and sever vores owned and used by. said local body and not in the ownership, possession and control of the. Authority. Said local officials so charges shell have for their local body: the charge and control of the vater sources owned and used by said local body .. Subject to the exercise of powers of the Authority provided for in this Act ori otherwise, and to other applicable ims, said local officials shall sanage and improve municipal vater vorus and immer vorus, artend the pipes and other: works as they may doop expecient, keep the pipes, fixtures and other works: under their charge in good condition and repair, and prescribe for local vater. and lower system, raise and regulations under other law, provided, lowever. that without limiting the generality of the foregoing, written notice of riles. and regulations relating to local sever and delivery of vater services proposes "for lamption by any local body shall, except in an emergency, to given. to the Authority not less than sixty days prior to adoption.
- (e) Notwithstanding any provision of general or special law to the time. trary, a local body may (1) for furnishing water supply, establish rates. (see, or other charges on a flat rate per volume of vater consumes or on an ascanding unit rate based on quantity of veter consumed; and may (ii) provide for: furnishing vator supply and sewer services in its charges or through anathemati proceedings conducted in accordance with its regulations for assurance of servi vice to persons who by reason of age, infirmaty or powerty are unable to pay! the charges of the local body otherwise applicable, provided that the aggregate liability of the local body for the total assumes owen to the Authority under section tan shall be in no way diminished thereby. Without limiting the. generality of regulatory powers and powers with respect to charges established: elsewhere in this act. the Authority may require that each local local local and administer user charges for local vater services and sewage services which' shall be in committance with (1) all applicable requirements of state and federai law, and (ii) policies of the Authority directed to conservation of water, elimination of infiltration and inflow of surface water and ground: vater into the sewage collection, treatment and disposed system, and remove. or pre-treatment of inquestrial vestes. No action small be taxen by their

Sugmentity, lowever, in violation of clause, of section .3 of Article : of the Contest States Constitution voich shall sugmentially impair a contractual. expectation entered into prior to the effective date of this act by a local, body pursuant to a power granted it by law to issue revenue somes.

(f) If, except in discussiones of temporary emergency, any volume of:
veter from the veterance system of the division shall be directed under any
provision of law for delivery of veter purposes which are not subject to the
charges of the Authority provided for in section tem, the Authority shall
receive compensation from the user or users thereof in lieu of revenues veich;
otherwise would have been received by the Authority in respect of the ise of
such water.

SECTION 27. Notwithstanding the provisions of any general or special lasor provision of this set to the contrary, no officer of the Authority shall enter into any comment decree in any court of any jurisdiction villout prior: approved of the governor and the general court.

SECTION 18. The provisions of chapter tweive & of the General Lors snall apply to the Authority.

SECTION 29. The provisions of this act are severable, and if any provisions before any other provisions or circumstances. This act shall be construed in all respects so as to seek any constitutional requirements. In carrying our the purposes are provisions of this act, all steps shall be cause value are necessary to seek constitutional requirements.

SECTION 30. On July first, nineteem numeron and engaty-tive, the netropolitim severage district and the secrepolitim veter district shall be also
solved and the following sections of chapter ninety-two of the 3-mores lawsare hereby reposited Sections one, one A. two, three, four, five, five A.,
five 8, six, six A. six 8, seven, eight, eight A. nine, tax to thirty-two,
inclusive, seventy-seven, seventy-eight, eighty-one, eighty-two, and one sundress and two.

SECTION 31. Chapter 10 of the General Line is dereby assessed by striking out section 11 and inserting in place thereof the following section:-

Secrior II. He small amountly as soon after the prorogation of the general court as as practicable, publish a statement showing the assessments for interest, principal, and maintenance requirements due from towns in the secrepolitan parks districts: a statement showing the several classes of lands: DESCRIPTION for secremonical district oursess, and the source of the lowes in the

district as measured by the basis used in computing the assessments mentioned.

In the first statement: and such other statements, if any, as he may reven
advisable. The expense of printing shall be apportioned and paid from the
seintenance fund of the parks districts.

SECTION 32. The second paragraph of section 338 of chapter 21 of the Jeneral Laws is hereby emended by striking out. in line 2, the words, "the sectopolitish district commission" and inserting in place thereof the words: - . The Massachusetts Vater Resources Authority.

SECTION 33. Said chapter 21 of the General Laws is hereby smended by striking out section 40 and inserting in place thereof the following section:

Section 40. The director, his authorized representative, or personnel of the division of vaterated consequent in the secrepolitize district immussion: or of the Massachusetts Vater Resources Authority may enter at reasonabletimes any property, pushic or private, for the purpose of investigating or: inspecting any consistion relating to the discharge or possible discharge and pollutants and may make such tests as may be necessary to determine the exist. ence and nature of such discharge; provided, nowever, that personnes of said division may investigate or inspect only such conditions as effect the .ater. shed system under the care and control of said division, and provided. :::" ther, that personnel of the Hassacousetts Vater Resources Authority may investi TIRRES OF INSPECT ORLY SURE CONSISSIONS AS Affect the sewer and vaterworks 1919 term under the care and control of said Authority. He may inspect any wonttoring equipment or protesture required by the terms of a permit issued incari section forty-three. The director or his supporting representative may examine day records pertaining to operation of treatment works, and any records: required to be kept by the terms of a permit issued under said section forty." three.

SECTION 34. Section fifteen of chapter twenty-one A of the General Labor is hereby repealed.

SECTION 15. Section 18 of chapter wo of the General Lius is hereby assessed by striking out the third paragraph thereof and inserting in place thereof the following paragraph:-

Nothing in this section shall be construed as authorizing any city. 1746.1 or political subdivision voich derives any part of its vator supply from the "assachusetts Vator Resources Authority, except in case of emergency. 12 .18

for vater in contravention of any provision of the Massacousetts vater Resources Authority Act, and so such city, town, political subdivision nor any vater company therein shall purchase vater, except in case of emergency, from any municipality victorit vritten permission to do so by the said Authority.

SECTION 16. Chapter forty of the General Laws is hereby amended by striking out section forty and inserting in place thereof the following:-

Section 40. The division of vaterated management of the entropolities its-.trict commission in cities and cowns supplied vater by the Massachusetts sater Resources Authority, the city council in other cities, the selectmen or vater commissioners in other town, water commissioners of vater supply and fire and. water districts. officers having control of county institutions having vater works, heese of state departments having control of state institutions having water vorus, less matter describes is officers laving control of such ininstitution, and water commence supplying any commencies in the commenwealth, in cases of emergency, may, on benefit of their respective sources poli-TIE OF COPPORATE. TAKE BY MAINTAINE COMMAIN MANUER CLASSES SEVERTY-RING THE FIRST to draw water from any stream, poss or reservoir or from ground sources :: supply by seems of drives, artemias or other wells not aircody appropriated :: uses of a smallipal or other public vater supply, or may purthese vater from the Massacousetta Vater lesewreen Authority, any other vater supply district... fire and water district or day clty, town or vater company, or county or state institution having water worse, for a period of not more than 112 months at cary years in quantities secondary to relieve the emergency: but so such think or purchase small be made until after the department of environmental : ""###### engineering has cortified that an energency exists and has approved the vacen -as a proper source of vater supply and unique and until. in the case of invade and vater supply and fire and water districts. the selectmen or water commissigners have first been sutherized so to take or purchase by a vote of the VOTERS AT 4 COME SECTION OF & GLATFICE SECTION, AS the case MAY be. of. in the case of Vater companies, said companies have first been authorized in writing by said desartment, and unless and until notice of such taking, including & copy of plans and specifications, has been given to the city council of to the board of selectmen, as the case may be, by cartified mail at least tan days prior thereto. The proper authority is aforesaid say also take by eminent domain under said chapter seventy-sine the right to use any land for the time DECESSARY to use such vater: provided, that, in the case of such & TARING PR A WATER COMDANY, 1416 Separtment stall first preserve the .ints Vithia Which. such fights shall be taken. The vote of a city council or of the voters of a town or of a water supply or fire and water district or the action of county: or state officers as aforeseed or of the secropolities district commission and the written authorization of said department of environmental quality engi-RESTING TO A VALOR COMPANY to make or authorize such taking or purchase asiforesaid small be conclusive evidence of the existence of the exergency. Mywater supply district or fire and water district and any city, town or water company or the aforesaid officers having control of any county or state insti-TUELOS BAVING VALAR WORKS MAY, for a pariod of not more than the souths in lay: year, sell to the Massachusetts Vater Resources Authority, to any city, town. vater supply or fire and water district. or vater company, or to any county or State institution caving vater vorse, such quantities of vater is may to available at the time, and the approved of said department of anvironmenta... quality engineering shall be considered evidence that such quantities are safely available for sale. In such emergencies the said parties interested say agree to install for the purpose tamperary pipes and other works in any city or town: provided. that the installation or repair of such biges or other worth in or along any highway small be done with the least possible hindrings: to public travel, and shall be support to the direction and approval of the officers or departments having charge of the maintenance of said highways.

SECTION 37. Section 24 of chapter -38 of the Jeneral Lius is nerrow assessed by inserting after the word "immission", in line 1", the words: the chairman of the board of directors of the Massacausetts eater Resources Authority.

SECTION 18. Chapter 59 of the General Laws is hereov smended by striking out section 5D and inserting in place thereof the following section:-

Section 3D. Property held by a city, town or district. Including property held by or for the vateraned system of the division of vateraned sanagement of the secrepolitan district commission. and the vaterworks system of the lassachusetts vater Resources Authority, as successors to the secrepolitan vater district, pursuant to the provisions of the Massachusetts vater Resources Authority Act. in another city or town for the purpose of a vater supply. The protection of its sources or a sewage disposal, or of a public lighter; yielding no tent, shall not be liable to taxation therein; but the city. Town or district so holding it shall annually on July first, pay to the city on

TOWN IN VALUE THE PROPERTY IS .SCATOR IN MANUAL COLOR OF THE PROPERTY IN CO. I.E. of town would receive in times about the average of the assessed timese "a.us- " tion of the land, which shall not include buildings or other structures except. in the case of land taxes for the purpose of protecting the sources of in: existing vater supery. for the three years last proceeding the acquisition: thereof, the valuation for each year being reduced by all abetements thereon. Payments seem by the division of vateraned sanagement of said commission and by the secrepolitin vater and sever authority oursuent to the provisions of . this section for the year when a city or town shall have made a general! reveluation of all its real property for purposes of taxation shall not be less than payment sets to said tity or town for the year immensately preceding; the general revaluation. Thesever a city or town in which such land is locate! ed shall have mede a general revaluation of all its real property for purposes: of timetion, the valuation of such land for the surpose of payment sutherized: by this section shall be determined by the commissioner of revenue is of January first, bearen Jemany first one June first, in the year successing such! revenuation and in every fifth year thereafter, to that the payment with. respect to such land shall remain substantially the same as that hade brick tosuch revoluction. We city, town or district owning such ,and or the division; of vateraged emeagement of said commission and the metropolities vater and sever authority, if aggressed by the determination of the commissioner. TAY! within six mosths after written notice thereof appeal to the appealate tixe board. May part of such last or buildings from water any revenue in the. nature of rest is received shall be subject to taxation. Revenue received for: the use of such areas of land within the property so held for the surpose of Jo rumers and taxa strips, or for the use of buildings on such property valent AFG used as a terminal or sommaistration publisher or for housing, servicings and repairing aircraft, shall not be deemen to be rest or revenue in their nature of rest within the seeming of this paragraps.

If such land is part of a larger tract voten has been assessed as a shore. Its assessed valuation in any year shall be taken to be that proportional parts of the valuation of the whole tract which the value of the land so accounted. I exclusive of buildings, bore in such year to the value of the whole tract.

SECTION 19. Said chapter 19 is hereby further assessed by striking out: section 5E and inserting in place thereof the following section:- Section SE. The assessors of a city or town where time is accurred by such other city, town or district for vater supply or sawage disposal or for a public airport shall, within one year after such acquisition, intermine the average valuation of such land unique section five 0 and cartify the amount to determine to such other city, town or district. The mayor or selection. The commissioners or productial committee of a district, or the division of vaters shall examplement of the secrepolition district commission or the Massacousetts. Vater Assessment from such determination to the appoillate the bears; and upon the approval of said bears shall determine the valuation in the masser provided in the presenting section, and massion sixty-five, so far an applicable, shall govern such appeals.

If land within any city of town angle lave soon camen from it for laid! purposes, and for any one of the three years prior to the taking shall lave. been used for any public purpose, and for that reason so taxes anye been care legion therem. The city or town one the mary or officer laving charge of the land to taken may within his years after man taking agree as to the value of: the land upon unich the annual payment is to be same as aforesaid from the time of the taking, and if they campage agree the board or officer small notify: the city or town thereof, and thereupen the value small be determined by the expellate tax board under said sections sixty-fire, and said notice shall not domes to be the notice referred to in said section surry-five. This sections and session five O shall apply to property held for the purposes of the vacershed system of said division and the waterwers system of said Authority. except property situated in Ashland. Boyiston, Holden, Houseton, Steriot or: Vest foristm, but shall apply only to property acquired by a city, town or: district. prior to Jamery first, ninetees meares and forty-six, including: land or property accounts for vater supply surpasses prior to such data by, the secrepolitize district commission, or a presentator entity thereof and theoris." ing any or all of the vaterance system of this division or vaterworks system of said Authority pursuest to the provisions of the Sassachusetts rater: lesouress Authority Act.

SECTION 40. Said chapter 59 is nevery further amended by striking out: section 5F and inserting in place transport the following section:-

Section 57. Land acquired on or after invery first, nineteen numered and forty-six, by a summicipality or a district including land beld by or for their

VALSETVOIRS SYSTEM OF the MASSACHMENTS FATOR RESOURCES AUCHOFILT. IS SUCCESS. 1073 to the secropolitan water district, and held on January first in any year: for any public purpose by such municipality, in this section referred to as: the holding symmetrality, or by such district, if such land is located in a minimized the then such holding municipality, or, in the case of land toaccourse and held by a district. in a menengity other than the sunicipality of mmicipalities in which the district lies or which constitute the district, shall, with all buildings and other things erected therees or affixed therets. be example from taxation for the next following fintal year except as herein-: after otherwise prevident such folding municipality or district inail, on July. first of such year, pay to the manicipality in which such land is located the senset water would be assessed for the next following fixed year toom a valuation equal to the average of the assesses tarable valuations of the lane and all buildings and other things erected thereon or affixed thereto on the three assessment dates next presenting the acquisition of the land, the Mission valuation for each assessment data being request by 411 instances. If land subject to this section was not separately issessed or was. exampt from caraction on any of said assessment dates, the fair task value of the land one all buildings and other things erected thereon or affixed thereto. OR SUCH ASSESSMENT data shall for the purposes of this section se deemed to sethe assesses valuation thereof on such date. Payments made by said divisions OF Said Authority pursuant to the provisions of this section for the year when 4 CLTY OF town small have made a general revaluation of all its real property. for purposes of taxation small not be less than payments made to said clif or! tor the year immediately proceeding the general revaluation. CLET OF LOWE IN VAICE SUGE LANG IN LOCATES SHALL LAVE BASE & JENETEL TEVRIUStion of all its real property for purposes of taxasion, the valuation of such land for the purpose of payments authorized by this section shall be detersince by the commissioner of revenue as of January first, between January first, and June first, in the year succeeding such general revaluation and in: every fifth year thereafter. The division of vaterance mesegonest of their secropolitan district commission or the Massacausetts vater Resources Authority or the holding municipality or district, if aggresom by the determinations of the commissioner, asy within the souths after written notice thereof speed. to the appellate tax board.

VALUESCOOK SYSTEM OF the 41915100 of Valuescook sanagement and by or for the

The assessors of the municipality where land subject to this section land terminated determine the average valuation in accordance with this section and termitify such valuation to the holding municipality or district liable under this section. The division of vaterance sanagement of the metropolitin district: commission, or the dissacchusetts fater Resources Authority or the holding; municipality or district, if aggreeved by such determination, say within three-sources, after such cartification appeal to the appellate tax board, which shall determine the average valuation in accordance with this section.

If reat or any revenue in the mature of reat is received from any part of any real estate subject to this section. The party yielding such reat or revenue shall be subject to taxation. The tax shall be in addition to the imment payable under this section. Revenue received for the use of such portions of a public airport as are used for the taxing-off and landing of air planes, including runways, taxa and transition strips, or revenue received the use of buildings on a public airport, union are actually and exclusively used for servicing and repairing airpianes, shall not be decome to be rent or revenue in the dature of reat within the meaning of this paragraps.

SECTION LOA. Said chapter 39 of the General Laws is hereov further-

Section SG. The Massachusetts Water Resources Authority, on July first at each year, shall pay over to the division of vaterand management, in amount: to be held in trust for payment to each city or town in value property of the Quabbin vetershed and Vare River vetershed is held by said division for purposes of 4 vater supply or the protection of the sources, said amount to equal: that which such cuty or town would receive in taxes upon the fair taxe valuetion of the land. which shall not include buildings or other structures except: in the case of land taxes for the purposes of protecting the sources of in existing veter supply, the valuation for each year being reduced by all mosteseats thereon: provided that in no event shall any city or fown receive inamount less than the payment received from the getropolitin district tomats." side in the prior fiscal year. Said division shall pay such amounts atthough further appropriation to such city or town no later than August first of each! year. Payments made by said Authority pursuant to the provisions of this section for the year when a city or town shall have made a general revaluations of all its real property for purposes of taxation shall not be less than payment made to said city or town for the year immediately preceding the general revoluntion. Ammever a city or town in which such land is located shall have. sede a general revoluenzam of all its real property for purposes of taxation. the valuation of such land for the purpose of payment authorized by this. section small be determined by the commissioner of ravenue as of January. first, between January first and June first, in the year succeeding such revaluation and in every fifth year thereafter, to that the payment with. respect to such land shall remain substantially the same as that same prior tosuch revaluation: provided, however, that nonvirtuement any other provisions. of this section, the valuation of such lens, held by and for the division of valeraced assessment, for the surpose of payments in lieu of taxes pursuant to. this restion, shall be determined by the commissioner of revenue in accordance. fifty-eight of the General Lam. In me event small any city or them receive. at matter lass than the payment receives from the entropolities district toseassess in the prior fiscal year. The city, tom. district. :r inthority: - coming such land, or said division of vaterages senagement. if segrieved ov. the determination of the commissioner, may vitted the mounts after written: notice thereof appeal to the appellate tax boars. Any part of such .and or. buildings from which any revenue in the nature of rest is received 10412 301 INDICE TO TAXABLE

The Hassachusetts water Resources Authority on July first of each rearises shall pay over to the said division of vaterance sanagement, in amount to be held in trust for payments in lies of taxes to the comme of Belchertown...

Rardwick. New Salem. Polham, Peteranam and ware for waterance lands of the Quahoun Reservation which were included in the former towns of Dana. Sceen-wich, Enfield, and Prescent. Said amounts to be held in trust as payments in lies of taxes shall be made only on lands which are above the high water mark of the total acreage in question that is held by each community; provided, however, that the sum of said payments shall not be less than fifty thousand dollars amountly, one, shall be valued in accordance with the provisions of sections thirtsen to seventage, inclusive, of chapter fifty-eight. In sevent shall any city or town receive an amount less, than the payment receives

from the secreposition district commission in the prior fiscal /ear.

SECTION 41. Section 1 of thapter 33 of the General Laws is hereby amended by striking out the fifth paragraph. Inserted by section 7 of thapter 153 of the acts of 1969, and inserting in place thereof the following paragraph:

Any city, them or district say enter into agreements and contracts with the Massachusetts water Resources Authority for the purpose of saking connections and for the collection, treatment and disposal of sewage. No connection shall be made until the plans have been approved by the department of public, health, and in instances within the sewer system of the Massachusetts water. Resources Authority until the contract and plans are approved by the sain: Authority. The work "district", as used in this paragraph, shall be ionestimed, so far as apt, as it is defined in section one A of chapter forty.

SECTION 42. Chapter 92 of the General Laws is hereby assessed by inserting; after section 103 the following seventeen sections:-

Section 104. As used in this chapter, unless the context clearly indisting cates otherwise, the following words and pursues shall have the following:

- (#) "MV120FY committee", the watershee system advisory committee for the appropriate vatershee system.
  - (b) "luthority", the Massachusetts Vater Resources Authority.
  - (c) "Somes", any bonds, notes or other evidences of indeptedness.
  - (d) "Smission", the secrepolitan district commission.
  - (a) "livision", division of vatarsnes management.
- (f) "Quabble veterages severery committee", the committee established over
- (2) Revenue.', all charges, resempts seems and other receipts derived by:
  the division from operation of the watershed system and from all other activity
  ties or properties of the division including, vithout limiting the generality
  of the foregoing, processes of grants, gifts, investments, earnings and order
  cases of insurance or consensation.
- (a) "Vaterance system", (1) all real and personal property interests helds by or on beneif of the commonwealth immediately prior to the effective data of: this act in and for the entropolitan district commission water system waters were part of or appurtament to the Quantum vaterance, Cuantum Reservoir, earst River vaterance, Vachusett vaterance, Vachusett Reservoir, North and South: Suchury vaterances, Suchury Reservoir, Framingnes Reservoirs 1, 1 and 3, 31ues

fills Reservoir, lear dill Reservoir, lone Ponn Reservoir, Pells Reservoir, Mestan Reservoir, Morumoge Reservoir, Mastant dill Reservoir, Morumoge Reservoir, Mastant dill Reservoir, Morumoge Reservoir, Mastant dill Reservoir, Morumoge Land, easements, Muldings, Structures, all equipment, Menninery, Mennies, and appliances, Moromoge of Water supply and (II) all enlargements and additions to the former metropolitan district commission Mater system adquired or constructed by the division for the purposes of the Materianes System, Including land, easements, Muldings, Structures, equipment, Manninery, Mennies, and appliances, Improvements, reservoirs, dams, Mater Fights and Fights in Sources of Mater Supply, but excluding, the Material System of the Authority;

Sension 105. There shall be within the commission a division of vaterance; smarteness which shall be subject to the provisions of chapter seven numbered and thirty-seven of the acts of minescen numbers and seventy-two. The nivision shall construct, maintain and operate a system of vaterances, reservoirs, waster rights and rights in sources of vater sumply, shall sumply thereby a refficient sumply of pure vater to the dissecondants vater descurres authority, and shall still and conserve said vater and other natural resources of order to protect, preserve and enhance the environment of the commonwealth and to assure the svalidability of pure vater for future generations. The division, thall maintain a visitors informational canter at the Quahous reservation.

Session 106. The division shall keep all bridges built by it across the reservoir upon the Massima river safe, and shall have charge of, use, sainthing and operate the same, and the communicate shall be exclusively responsible for all damages caused thereby or by any defect or want of repair therein. The commission shall have the exclusive right and control over all ponds. The commission shall have the exclusive right and control over all ponds. Theory of the other property within the waterance system, and say order incommunities to keep from extering in, upon or over the waters thereof and the lands of the communication or towns suffrancing the same.

Section 107. The division shall have the anciusive right to and interest. In hydroelectricity developed, generated, transmitted, distributed and sold as an incident to the operation of the watersees and waterworks systems, navious such projects for such purposes and may sutherize or contract with any other person otherwise lawfully qualified for such person to perform on teasonable term and committees such activities on benefit of or by arrangements with the division. The division may by lease, license or person or much such community that the division. The division may by lease, license or person or much succession.

intions transmission facilities within said systems, provided that such facilities shall not interfere with the proper operation of said systems and that no lease, license or permit for such purpose shall be made for a term of more than forty years. Subject to contractual requirements or other legal polities of vater in reservoirs for hydroelectric generation only when and to the extent that water is otherwise subject to release for reasons of sound sanagements of the reservoirs for waterands, waterworks and stream flow purposes. All revenues derived from the activities authorized berein shall annually be remarked by the division to the state transurer was shall deposit said revenues into the general fund.

Section 108. The department of environmental quality engineering soall make rules and requisitions for the senitary protection of the vaterance systems of the division. The division shall cause such rules and requisitions to be posted at or near the vaters to which they respectively apply, and shall also cause the same to be positished at least once in a newspaper published in the county where said vaters are in whole or in part signature. And such postings are publication shall be sufficient notice to all persons. The sworm tertificate of any season of the commission of of its secretary of such costing and publication, or of the posting or publication of an order same by the commission state of any such rule, requision, shall be prime facts evidence ther said rule, requision or by its secretary, shall be prime facts evidence that said rule, requision or order was sade by department or by the commissioner, as the case say be.

Section 109. No person shall take or divert my vater of the vateraneous system of the division. And no person shall corrupt, render impure. .Aste or improperly use any such vater.

Section 110. The commission, and its employees designated for the purpose, shall enforce sections one numbered and four to one numbered and time... inclusive, and the rules, regulations and orders sade thereunder, and save enter into any building, and upon any land for the purpose of ascertaining upsether sources of pollution there exist, and unether said sections and their rules, regulations and orders made as aforesaid are complied with.

Section III. May person was without lawful authority takes or diverts and water from any water supply within the watershed system of the division. On who corrupts or defiles any such water supply, or any source of such water

THE AUCHOPIST FOR THE PURPOSE OF CONSTRUCTING, SPETELING OF SALETALING THE VACUUM STREET, OF THE PURPOSE OF CONSTRUCTING, SPETELING OF SALETALING THE VACUUM STREET, OF THE COMMISSION SHALL be subject to a criminal fine of not.

NOTE THAN fifty thousand dollars or imprisonment for not more than one year:

PROVIDED. HOWEVER, that is cased of continuing violation, such salemen fine.

RAY be can thousand dollars per day for each day such violation occurs of continues. Notwithstanding my limitation on criminal paralties set forth in the processing sentence, my person convicted of the vactor or malicious description of or injury to my property used in the construction, speration of the vactorance of the vactorance of the vactorance special also be liable in fort to the construction for triple the mount of damages thereby caused. May such fine or touch jungament shall be payable to the treasury of the commission.

Section 112. The supress justical or superior court or any justice of eather court shall, on petition of the commission or of any town or persons interested, here jurisdiction in equity or otherwise to enforce sections ones hugared and four to one numeron and eleven, inclusive, and any mile, regulation of order made thereunder, and to prevent any violation of said sections. ratios, regulations or orders.

Secretar IIJ. The second of fiscal year charges to the Authority represecting energial of the asserts appropriates for the division, test tervice. the cost of capital improvements and other authorized charges of the division. less one-half of the assume of prior appropriations valor hay revert the ACCORDED VIET Law. less revenues receives pursuent to section one hundred: and seven, and less one-half the amounts paid in said fiscal year in trust "T" the Authority to the division for application to payments in lieu of taxes to: be dead by the division as provided in chapter fifty-nine of the General Lausi shall be determined answelly by the comptroller as of the ciose of each fiscall year. The commercial thail correctly to the state treasurer the amount of such intermination. The state treasurer shall in each year, teginning with their portion of calendar year nineteen hundred and eighty-five ending .ine :11:5" tieth thereof, and each fiscal year thereafter beginning with the fiscal year: sineteen hundred and eighty-six, assess to the Authority the amount of such intermination. All somes received under the provisions of this section shall. be paid into the state treasury.

Section 124. The commissioner is hereby authorized and structed to establi

shall be to advise the division on its policies and regulations regarding; fishing, bosting and other recreational activities and environmental. Additional additional activities and environmental. Additional additional activities and environmental. Additional additional activities and the eare river vateraged. The commissioner of the metropolitian district commission shall appoint to sale advisory committee one person from three names nominated by each of the following organizations: the Massachusetts Council of Sportsman, the Trout Julian; itself, the Quabbin Fisherman's Association, the Vortester County League of Sportsman, and the North Vortester County Quabbin Anglers. The Massachusetts: Australia.

The commissioner shall also appoint one season from the general public.,
The committee shall elect a chairperson from among its members, shall neet at:
least thice each calendar year, and may provide for alternate members to pareticipate fully in its meetings whenever a regular member is unable to no to.

Session 115. The commissioner shall establish a vacarsted system advisory committee to advise the division on its policies and regulations requiring fishing, boating, and recreational activities and other environmental individual enters in all of the vacarsnee system areas under the control of their division, exclusive of the Quabban vacarshee and the Vare river vacarshee. The committee shall consist of time numbers, the qualiffications of whom shall be determined by requisition by the commissioner. The committee shall elect is chairperson from some its numbers, shall neet at least twice each talendary year, and any provide for siturnate numbers to participate fully in its neet-ings whenever a regular number is unable to do so.

Section 116. The commissioner shall at least once every five years, adopting after public hearing one or more periodic vaterance management plans for the vaterance system, which shall have been prepared with the participation of approximately qualified forester and the appropriate vaterance advisory committee. Any vaterance management plan shall provide for, but here not in limited to, forestry, water yield enablement and recreational activities. All forestry activities shall be subject to sections forty to forty-six. Inclusive, of chapter one hundred and thirty-two of the General Laws.

Soffice 117. The commission, on beast of the commonwealth, say time by sminest domain under chapter seventy-nine, or acquire by purchase or other-vise, lands in fee, easements, rights and other property that it doesn becases say or desirable for carrying out the powers and duties conferred upon it. The

the provisions of this mapter relative to the construction, maintenance and operation of the waterness system.

Section 118. The division shall be deemed to be a public entity under section twenty-six A of chapter twenty-one and shall be eligible for grants.

and other assistance under the Hassachusetts Clean vater Act and other program of federal or State assistance for vater supply, or related purposes.

Section 115. The commission shall have over the property of the vaterary system all the general power and authority which it has over reservations to far as the same may be exercised consistently with the purposes for valch the vaterance system is assistantly.

Setting 123. The division shall not contract for insticate distinctive of contracts purstant to provisions of any general or special act relating to: forest cutting practices and for consultants performing only those insticate for the division are unable to herefore, to accomplise any of its outless nor shall it enter into any interspency. Agreement for them purpose. Only officers and employees of the division snarr, perform its during.

SECTION 43. Said chapter 92 is hereby further immended by striking out section 58 and immerting in place thereof the following section:-

Service SI. The assent of enery required each year from every such them; to meet the interest, sinking fund and serval or other board requirements and the cost of animalments for the estimated by the state treasurer. In accordance with the properties determines as aforested by the state treasurer. In accordance with the properties determines as aforested by said commission. Expenses with any assents requires by law to be specially assessed upon any particulars town, and shall be included and made a part of the sum charged to such fown, and shall be included and made a part of the sum charged to such fown, the shall be part by such town into the state treasury as provided by sections twenty of chapter difference and the total of such assessments for the section parts district shall be limited in accordance with section swanty 4 of chapter difference to the total of such assessments for the section chapter difference to the total of such assessments for the section chapter difference to the total of such assessments for the section chapter difference to the total of such assessments.

SECTION 44. Said chapter 92 is hereby further assessed by striking out: section 60 and inserting in place thereof the following section:-

Section 60. The amenae of the salaries of the secropolitizan district consissioners, and such amenae of maintanence of the general office and othervise as the Commission shall determine are not clearly or wholly incurred in: 5 1272

paid one-calf is saintanance of reservations by the commonwealth. The state treasurer shall include the amounts required of each town of said such truct to seek said expenses in the summ assessed upon said towns and such amounts shall be paid by said towns to the commonwealth is provided by section twenty of chapter fifty-nine.

SECTION 45. Said chapter 92 is nevery further assumed by striking out section 61 and inserting in place thereof the following section:-

Special police officers, shall have within the entropolitin parks district. Within the cities and towns outside said district wherein property owned by an under sanagement or control of the division of vaterance management or the Massachusetts Vater Resources Authority is situated, and within the following the coastline and coastal vaters of the following cities and towns: Boston, Braintree, Camerage, Chalses, Cohasset, Everett, Mingnes, Mull, Lynn, Marblemean, Milton, Mahant, Guincy, Revers, Baugus, Somerville, Swampscott, Weywouth, and Winthrop, all the powers of police officers, and executing civil process, and say carry within the commonwealth fuch weapons as the said commission shell authorize. Such special police officers, shall have all said powers, except in relation to the service of civil process, and to the carrying of weapons, but only within said parks district.

The police appointed or employed by the commission, except special police officers, shall have exclusive jurisdiction on and within all property of the division of vateraned management and the Hassachusetts Vater Resources Authority.

Nothing in this section shall affect the powers and jurisdiction of the state police, the secrepolitan district commission police, the city of Bosto: police department, the division of fisheries, vilidlifs and recreational .ent class, or the police officers of the respective cities and towns vithin the commonwealth as of the effective date of this section.

SECTION 46. Said chapter 92 is hereby further imended by striking 194 section 68 and inserting in place thereof the following section:-

Section 48. The commission may join with any city, town or county in the

LAYING DUE. INTOVERENT. PRIORITION. Finening, PRESENTER, DRINTALINING AND CARING FOR any public way, bridge or stream voted liss along or connects any reservation or positivary owner or controlled by the commission. The interpense of such work, and for such purposes or any of them, may make contribution to such city, town or county by a grant of land or rights in land. I although the same be already a boulevard, or by payment of money for its portion of such expense.

SECTION 47. Said chapter 92 is hereby further amendes by striking out section 97 and inserting in place thereof the following section:-

Section 97. If any apportionment for assessment upon the towns of the sectopolities parks district shall not have been finally determined by July. Sirst of any year, the last apportionment thereof shall remain in force for the purpose of assessment curing such current year. Any difference between, such apportionment when finally sees by the commission for such year, and the pre-existing apportionment above referred to, shall be adjusted with such towns by the state treasurer in the assessment of the succeeding year by a negution, therefore or an admitted thereto, as may be required to give effect to the season of apportionment when made as aforesed.

SECTION 44. Said chapter 92 is nevery further immended by striking out:

Section 98. Insure appropriations shall be seen for the maintanence of reservations and boulevarus and such appropriations shall be apportioned and assessed by the state treasurer as provided in this chapter. If the amount so assessed and collected, any believe remaining on November thirtists in Law! year shall be carried forward to the next year, and shall be taken Little account in making the assessments for that year.

SECTION 49. The first sestance of section 102 of said chapter #2. In appearing in section 1 of chapter 507 of the acts of 1982. In hereov imended by striking out the words "sewer, vater", in lines 3 and -, and inserting in place thereof the words: - watersace system.

SECTION 50. Chapter ill of the General Laws is hereby assessed by strikings out section 1744 and inserting in place thereof the following section:

Secrios 1744. In order to preserve the purity and prevent the pollutions of the vaters of any reservoir, pond, and stream used for domestic vater; supply, by the vaterance system of the division of vaterance sanagement of the metropolitize district commission, or by a town, vater supply or fire and vaters

district, public institution or water company, said division, the public coardior commission, or the governing opers in case of a vater company, having the troi of such vaters say authorize one or sore of its employees, so far is permissible under federal law, to take such responsive seems and use such appliances and vespons as, in the judgment of such public board or commission, or governing board, as the case may be, will prevent the defilement of said vaters by guils or takes, any provision of chapter one numbered and thirty-one-to the contrary notwithstanding. Every such division, public board or commission the contrary notwithstanding. Every such division, public board or commission the contrary notwithstanding. Every such division, public board or commission to the contrary notwithstanding of this section and submit such account to the director of the division of fisheries and vilidife of the department of fisheries, wildlife and recreational vesicles at such times and covering such person as no may prescribe.

SECTION 51. The seventh paragraph of section 105 of chapter 120 of their General Less, as appearing in section 220 of chapter 706 of the acts of 1975.1 is hereby assessed by inserting after the work "engineering", in line 6, their following words:- Yassachusetts Water Resources Authority.

SECTION 53. The third paragraph of section work of chapter 131 of the Seaw eral Laws, as appearing in chapter 782 of the acts of 1982, is series meanaged by inserting after the word "commission.". In line 6, the following words: "Assectments Vater Resources Authority.

SECTION 54. The sixth paragraph of section wold of said chapter 121, as so appearing, is hereby further assesses by inserting after the word "commission".

In line 15, the following words: - Hasseenssetts Water Resources Authority.

SECTION 55. Section 45 of said chapter 131, as appearing in section 1 off chapter 802 of the acts of 1967, is hereby amended by striking out, in lines is and 6, the words for the first seatable of section seventaen of insuten ninety-two.

SECTION 36. The definition of "employer" or "public employer" in section 1 of chapter 150E of the General Laws, as most recently amended by chapter +84 of the acts of 1981 is hereby further amended by adding the form lowing sentences: In the case of amployees of the Massachusetts fater Resourcess Authority, the employer shall seen the Massachusetts fater Resourcess

the following sersages: Chief-tour A. section 19 of chapter 166 of the acts of 1983, and american in place thereof tion from the Managements District. the Massachuserts Vater Assourtess Authority or any points officer of provided by section fourteen of chapter thirty-twe. penson. and shall not receive outh, assess in the sames and to the arrest MEMORITY, the Blue Wills Regional Vogational School system, the Greater Law-Ac moterned t on wegstawn erry en our war smotsper pres and seed by striking out the first seatence. is seet recently as Santury Olistrict, the Mintemin Regional Votational Technical School SECTION 57. Season 73 of Chapter 122 of the Season Live 13 tereov 5.5 COMPANY TOR LOS COM my person entitled under season thirty-one. :hirty-four. spent to mothermore mans extend; fifth on tousing and; Chiery-Cive. WOTSVALENSTER: TOESOO VEL Turmika Auchorisy or CHIEFLEGIAS V OL CHIEFLASTE CO LICETAS COMBUNES. meatth or from such county, city, town or POTETERS. THEMPETED SO CHETETON Sept. E MOTS See 5 "ASSACAUS OR T.S 10 MORAS!

by toserring after the word "commission", the first time it appears makiy amended by chapter -66 of the acts of 1975, is hereby further imended the following verte: - the Massacomsetts Vater Resources Authority F BOTSDOS of chapter in of the Consess Live. t

men by imparting after the word "hutbortoy,", in line 1. the following METTER SP. Seeston the Hassaconserts Vater Resources authority. of chapter 731 of the acts of 1981 to sereov

minery of the acts of mineres numeres and fifty engar. relating to vater supply for the town of Clinton from the vacquaett Reservoir: trans er and the formation of the state of the state of the section of the sectio light of this act, special acts which shall continue to govern certain Chapter six histers was (1577-912 of the sees of ansers amount was tion of appresses in effect on the effective date of this act. The terms and relating to vater supply for the town of Frankgam, provided upon the expiracharges upon votch such service shall be provided shall be determined with the provisions of paragraps (d) of section eight of forey cares of the acts of nineteen numbered and seventy four. increase to (a) substance to Collected ots Strate: Snottale CHARTY-CRITES. AS ASSESSED DV CRADESE 1278 NUMBERS

manter seventy-five of the acts of singreen sungred and twenty-five ...... respect to vater supply for the town of Starling, chapter six hundred and forty-four of the acts of minetees numbered and forty-one, relating to water: supply for the town of Southborough; section eleven of chapter three aundred. and seventy-five of the acts of nineteen hundred and twenty-six relating to: vater supply for the towns of Hubbaruston, Barre, Cakhan, Hardwick, New Araintree. Palmer and Vere from the Vere raver: section toolve of thanter three. hundred and seventy-five of the acts of nineteen numbered and twenty-six. Isi assessed by thapter three hundred and forty of the acts of nineteen hundred and thirty-one and chapter six hundred and ninety-size of the acts of nineteens hundred and forty-uses, relating to vater suspiv for the cast of forcester. from the Quinsposes river; section twenty-two of thepter three numbered and twenty-one of the acts of nineteen numbers and twenty-seven relating to vaters supply from the wateranes of the Swift river: and section twenty-two or shadter four numbers and elenty-elent of the acts of electeen numbers and illustrefive with respect to water supply from the south bresch of the Massaus River. As amonated by testion two of chapter three numeros and fifty-two of the ACTS! of nineteen numbers and thirty-three, for various cities and towns. Atthe respect to maintenance of flow and restriction on diversion. the Authority shell be bound to the same extent as was the secropolitin district commissions immediately prior to the effective date of this act by those limitations voich commission in force as of the date of this act set forth in two certain findings: of the Secretary of Var of the United States, acting upon the recommendations of the Chief of Engineers of the United States Army, dated respectively farchi fourteenth, sincteen sundred and twenty-eight and May eleventh, sincteen sundred and twenty-time; with respect to the ware river by section four of :220-1 ter three numbered and seventy-five of the acts of nineteen numbered and CHERTY-FIX AS ASSESSED by section seven of chapter five numbers and thirties of the acts of sineteen numerod and thirty-nine: with respect to the Swift river and the Quinaposet river, by section one of chapter three numerou and tventy." one of the acts of nameteen numbered and twenty-seven; with respect to the Nashua river, by chapter four hunered and eighty-eight of the acts of eighteen hundred and ninety-five; with respect to the Sudbury river, by caspter and hundred and seventy-seven of the acts of exercises hundred and seventy-two and section three of chapter five hungred and fifty-seven of the acts of sineteem hundred and forty-seven; and with respect to the Charles river, by chapter the numerou and three of the acts of numerous numerous and fifty. Duties, lowers and rights of the secrepolitan district commission relating to the sewer and: vetterworks system under any of the foregoing acts chall hereafter be vested in the Authority subject to the powers of and limitations on the Authority contained elements in this act.

SECTION 61. Effective July first, nineteen hundred and eighty-five the: sutherity of the state treasurer to issue somes and notes of the commonwealth for the purposes of the MDC sever system and the MDC water system shall be void and of no further effect.

SECTION 62. Section 33 of chapter 21 of the General Line, as postrecently amended by section 3 of chapter 256 of the acts of 1982, is necessary amended by striking out the second paragraps thereof and inserting in place. thereof the following paragraps:

There (1) the fotorsi government has avarent a sevency-tive per cant trint: for the eligible costs of the project, the division may wart a fifteen percase grant for such eligible project comes, or ((i) the federal government last marged a fifty-five per cast grant for the eligible costs of the project the Stateton and went a sprachatta bes cold fine tos ancy eletters assisters costs; provided, however, that in the event the grant awarded by the federal. government is lass than seventy-five per cast or fifty-five per cast of such! eligible costs, as the case say be, the division say award a grant := such' essent to assure that the public entity's share of the eligible costs of such: project does not exceed tem per cast: and provided (III) that in the event. that a project eligible for such a federal grant has not been swarded a federal great, the division ear search a grant of up to thirty-five per tant of the eligible costs of such project. There, because the project entails then use of immovative or siternate technology, the federal government has iverted; an engaty-five per cast grant for the eligible costs of the project. the division may mere a nime per coat grant for such eligible project costs: 200-1 vided, however, that in the event the grant average for such a project is .essi them engaty-five per cent the division say mark a grant in such impunt to: sasure that public entity's share of the eligible costs of such project toes! 100 exceed the per cent.

SECTION 63. Frames made under claume (III) of the first sentence of their section paragraph of section thirty-three of chapter twenty-one of the Jenerali Laws shall be seen in accordance with a priority system to be established by

regulation of the director of the division of vater pollution control. .nich. priority system may include criteria applied in administering the TVPCA and defined in said chapter twenty-one of the General Laws and small also include: supplemental preferential criteria for the following factors: (a) that the project is necessary in order to abate violation of law found in a judiciali proceeding or ordered to be absted under section thirty-three 0 of chapter twenty-one of the General Laus or other agministrative proceeding of protect jurisdiction; provided, however, that the division may deay priority to a project where unreasonable and wilful dilatory consust of a public entity has that the project will offer vater quality improvements benefitting socifish cultivation and saltwater regression. Nothing in this section small require the director in establishing year priority system and making such grants to: tile any action which would disqualify the communicate from the receipt of estima evaliable federal assistance unser federal program for vastawater . Creatment construction grants.

SECTION 64. It is the intention of the general court with respect to greets authorized by section thirty-three of-chapter trenty-one of the Jeners. Lane provided from the processes of any boad issues previously authorized and lawfully available therefore and, as necessary, from future authorizations of bonds or other future appropriations, that: (a) total state expensitures in any fiscal year for the sum of all grants same under clauses (1). ....) and (iii) of the first sentance of the second paragraph of said sections thirty-three, computed on the basis that such grants under clause expenditure in said fiscal year for the aggregate of grants under clauses (1) and (11) off said sentance of said paragraph of said section thirty-three, computed on "he basis that such grants under clauses (1) and (22) are seen or takened to be same in accordance with federal grant participation levels in effect on the effective date of this act, and (b) total aggregate expenditures in all years for grants under said clause (iii) of the first sentence of said second :sragraph of said section thirty-chree shall not exceed three numbered stilling dollars. It is also the intantion of the general court that from the effect tive date of this act, that the snare of eligible costs to be borne by a public entity sponsoring any vater pollution abstances facility funded by grant from the federal government under the Federal Vater Pollution Control ACE shall not exceed tem per cast.

the state and severy-tree that constant in full force and effect. -DESDEAR SAVES THEOREM.

Alabarto sar sar steri PORESTRA TO ESTRATS SECTION S. necropolities district commission votes auties as of the effective area of MELACUTARE. MAINTENANCE OF OPERATION IN MAY VALLETBES STREET PROPERTY Acres Surpersons takes, or primarily related James first. minesoes hundred and engaty-five to other provision of this act. umstoyees of to formery. Boyere. eridite.

Ventiles statt charge ente for vater than a reasonable sun seasured by its estate water supply or portion thereof from system of the Auchorsty. . Person of Person revises or situres by said cours pursuant to this section. agineering shall dealars a source of vater to be units for comparation. sease bees made Support of profes ceases amortan Am At arrest dot sections on the matter contests tot sector at ma OF SERVICE sagate E: house, any continue to use any source of vater presently used by it, it: organasaly. Ĕ 457 F satabilità such sattem ratas as they shall dees proper: me sand 5 vater pipe system in the come of Hingman, full. Jesten, or And the or mere judges of said court, after searing the par-Character, apply by potterion to OF SALE COME MAY, IS SERVICED DESIGNATION AND THANKY-CLIPS AND CTO CITE AT DESTROYS ONE STORMS OF SE PRIT, 6381 OCT. Carrie or part thereof. any change said under source and serive commissioner of the department of environmental quality committy, any part of which is within the said not presently used by The selection of eather of said : or or years or (or A STREET SERVICE IN COMES IN THE PACES VOLUM ï C10 ANESDETET. 10 ment until the same south tel tribrami mesame sup 2138 to water Ĕ Brec

.... towns watch have uses in the past of now use the IDC sever lines to (sassestilty study for construction of a septage waste processing facility for by the towns using it. energy cost of building and senterming such processing (setting years) be some STEEL ST ij 10021C 1782M. The executive etractor Said Sames : itans wouse villamens; birg ASTAGGENY OUT: 30 Sander: Tres 1:3CDAE ER

funds. wouch could reasonably be expected SFILLY S. Dasin. including uny capatal The Authority soull not then any structural THE SAME OF STREETS AS STREET, AS STREET, ű ٤ CESSES Un STREAMENT MAN 102130 54.

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for of veter without the express approval of the general court; provided, however, that this provision shall not be construed to require general court approval for actions undertaken to reduce leakage in an existing interpasing transfer. May determinations sade under the provisions of this section shall be made by the division.

SECTION 70. The Authority shall take all ressonable steps expectiously to committee planning on design and to commence construction of variouster treatment and delivery projects for which planning or design contracts have been approved by the contraction district commission prior to the effective data of this set and which are listed on the Construction Grants Project Priority list established by the department of environmental quality engineers ing and the division of water pollution control in effect on the effective data of this act.

the sumply of water by the Authority to any political subdivision to which the software district commission was not providing vater at the time of the effective date of this act shall be made only upon the determination by the Authority and the department of anytronmental quality engineering that the vater supply source used by said political substitution at the time of the passage of this act is unfit for drinking and comment be economically restored for drinking purposes.

SECTION 72. Section 2 of chapter 224 of the acts of 1984 is hereover assessed by inserting after item 2420-0200 the following item:-

of exvironmental effairs shall file quarterly reports, by subsidiary, of expensitures for the purpose of this item with the noise and senate committees on vays and seems, including not nore than one hundred and sixty-six permanent positions and not not then one hundred and sixty-six permanent positions and not note than four temperary positions

12.001.:30

SECTION 73. Sections six, tan, thirty, thirty-one, thirty-four, forty-three, forty-four, forty-six, forty-seven, forty-eight, fifty-five, sixty-one, sixty-eight and sevency shall take effect upon July first, nineteen nundred and eighty-five. All other provisions of this act shall take effect upon Jan-uary first, nineteen hundred and eighty-five.

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#### MEMORANDUM OF UNDERSTANDING

Division of Properties, Personnel and Functions Between the Metropolitan District Commission (Division of Watershed Management) and the Massachusetts Water Resources Authority (Waterworks Division)

This Memorandum documents the agreement between the Metropolitan District Commission and The Massachusetts Water Resources Authority concerning the assignment of those responsibilities discharged by the Water Division of the Metropolitan District Commission as of June 30th, 1985, including the division of personnel, property, and responsibilities for maintenance, operations, policy making and long range planning pursuant to Chapter 372 of the Acts of 1984.

# I. GENERAL MATTERS

# 1.1 Parties and Intentions

- A. The parties to this Memorandum are the Massachusetts Water Resources Authority (MWRA), and the Metropolitan District Commission (MDC).
- B. The parties acknowledge the need for continuing cooperation in interpreting portions of the Massachusetts Water Resources Authority Act (the "Act"), c. 372 of the Acts of 1984, and state their intention to continue working together to implement the Act so as to ensure that each will be able to discharge its responsibilities in an efficient manner consistent with the statutory purposes.
- C. The parties intend to monitor the effectiveness of the division of responsibilities described herein, and undertake to make any appropriate amendments to this agreement, by mutual consent, in a timely manner.
- D. The parties acknowledge that this M.O.J. is not intended to define the whole of their relationship; that both parties have rights, obligations and responsibilities under the law which, while unexpressed in this document, may be exercised.

#### 1.2 Effective Dates and Amendments

This Memorandum shall be effective from July 1st, 1985 until replaced by any subsequent written agreement(s).

## 1.3 Dispute Resolution

- A. The parties acknowledge that efficient operation of the MWRA and the DWM requires that any disagreements which arise be resolved expeditiously. To that end, during the first year of operation of this Memorandum, the Executive Director of the MWRA, the Commissioner of the MDC or their designees shall meet on a bimonthly basis to monitor the progress of the implementation effort, and to identify and resolve any potential problems.
- B. Upon the request of either party, the Executive Director of the MWRA and the Commissioner of the MDC shall meet expeditiously to discuss matters of special concern.
- C. If the parties are unable to reach agreement, both parties may request mediation by a neutral party, to be chosen by mutual-agreement or, if the dispute is unresolved after six months, mediation may be requested by one party alone.
- D. Should either party see need for an opinion from the Attorney General of the Commonwealth with respect to the rights and responsibilities of the MDC and MWRA under the Act, the
- parties shall cooperate in developing an adequate statement of the facts and in requesting the Secretary of Environmental Affairs to obtain such an opinion pursuant to G.L. c. 12, section 3.
- E. In the event that no agreement is reached after exhausting the above procedures, the parties state their intention to consider all alternatives short of litigation, including arbitration, in order to resolve the dispute in a timely fashion.

## 1.4 General Nature of the Division

A. Section 4(c) of the Act provides that the ownership of the real property of the water system shall not transfer to the MWRA but that, as of July 1, 1985, the MWRA shall have the right to use, improve, operate, maintain and manage that portion of the real property which relates to the waterworks system. The waterworks system is defined in section 2(v) to include all plants, works, connections, aqueducts, mains, pipelines, pumping plants and facilities, waterworks buildings and structures, standpipes, tanks and appurtenances, all equipment, machinery, vehicles and appliances and all lands and easements directly appurtenant or incident to the maintenance or operation thereof.

- B. The MWRA shall have the right to maintain, improve, rebuild or replace any building or structure which relates to the waterworks system and to list such buildings or structures as assets for accounting purposes or to abandon any such building or structure for which it no longer has a use. Should the MWRA choose to abandon a building or structure it shall have the salvage rights to any fixtures therein or captial improvements it may have made to that building or structure.
- C. Section 4(a) of the Act provides that all personal property relating to the waterworks system shall pass to and be vested in the MWRA. Section 4(g) provides that, with certain exceptions, all employees of the MDC whose duties and responsibilities relate directly and primarily to waterworks functions of the system shall be transferred to the MWRA.
- D. To comply with these provisions of the Act, and to clarify the operations and functions to be transferred, the parties agree that current personnel, facilities and functions of the MDC Water Division shall be divided as indicated in the tables and organization charts in Appendices A, B, and C, and described in the balance of this Memorandum.
- E. Except as otherwise specified herein, the functions now performed by employees to be transferred to the MWRA small become functions of the MWRA; the personal property and facilities operated or maintained by employees to be transferred small be owned, operated and maintained by the MWRA, except that the Commonwealth shall continue to hold title to the real property of the water system.

#### II. DIVISION OF FUNCTIONS

# 2.1 Functions to be transferred to the MWRA

- A. The functions of the MWRA small include:
  - (i) All pumping and distribution functions now performed by the Metropolitan Operations Sections of the MDC Water Division;
  - (ii) The planning, engineering and construction management functions for waterworks properties and, specifically, those functions of personnel to be transferred from the Project Planning and Management Office;

- (iii) Functions of the current Demand Management Office.
- B. Day-to-day responsibility for operation of all man-made points of control over water flowing into or out of the reservoirs and aqueducts of the water system including, but not limited to, control of water flows for the Quabbin, Nash Hill, Wacnusett, Norumbega, and Weston Reservoirs, the Ware River Intake, the Winsor and Wachusett Dams and use of the Sudbury or Framingham Reservoirs for flood control. Such decisions shall be consistent with the regulatory responsibility of the DWM, as described in section 2.2 of this Memorandum. To the extent that implementation of such decisions requires the assistance of DWM personnel (e.g., laborers who adjust the logs to control water flow over spillways), the DWM shall provide that assistance in accordance with the provisions of this Memorandum concerning shared personnel.
- C. Sanitary monitoring and treatment as presently carried out by MDC consistent with the regulations for protection of the watershed promulgated by the Department of Environmental Quality Engineering (DEQE) pursuant to G.L. c. 92, section 108, except that DWM snall remain responsible for such monitoring and treatment in the Quabbin Reservoir, Quabbin Watershed, Ware River, Ware River Watershed, and any new sources of water supply.
- D. Operation, maintenance, ownership and replacement of personal property related to the functions described in A, B, and C above, including aqueducts, sluice gates, valves, shafts, connections and related machinery.
- E. Groundskeeping at Nash Hill, Norumbega, Spot Pond, Fells, Bear Hill, Chestnut Hill, Waban Hill, Fisher Hill, Blue Hills and Weston Reservoirs as previously performed by MDC Water Division; groundskeeping for all aqueducts; and groundskeeping or other labor now performed by personnel to be transferred to the MWRA, but not including any functions related to recreation.

# 2.2 Joint Functions of the MDC and DWM

#### A. Water Supply Control:

(i) The MWRA is responsible for operating the waterworks as defined in Section 2(v) of Chapter 372 of the Acts of 1984, which transport water from its supply sources. While the DWM is not responsible for the maintenance, upkeep and operation of these waterworks, it is required, by statute, to regulate the reservoirs and the water coming therefrom and, in consultation with the Division of Environmental Protection in the Attorney General's office, to determine the amount of flow which can be safely withdrawn from water supply sources.

- (ii) The MDC shall continue to bear the primary responsibility for monitoring reservoir levels and, in consultation with the MWRA, for determining if a water shortage condition exists. The MDC shall consult with the MWRA prior to making any final determination and must additionally work with both the MWRA and the DEQE before mandatory water restrictions are recommended.
- (iii) The DWM, in consultation with the MWRA, shall develop written policies and procedures to be followed during wet weather or flood periods to enable MWRA to determine how much water above statutory requirements shall be released into the Nashua, Swift, Sudbury or other rivers, and may use its right of inspection to ensure that its policies and procedures are being followed.

# B. Hydroelectricity Generation and Sale:

- (1) Pursuant to G.L. c.92, section 107 the DWM has the exclusive right to and interest in hydroelectricity developed, generated, transmitted, distributed and sold as in incident to the operation of the watershed and waterworks systems, except that MWRA shall be credited with all revenues derived from such hydroelectricity, pursuant to G.L. c.92, Section 113. The MWRA shall have the right to negotiate the terms of any contracts for sale of hydroelectricity subject to the approval of the MDC.
- (ii) The MDC presently operates and controls facilities for generation of hydroelectricity at the following locations: Windsor Dam; Oakdale Power Station; Wachusett Power Station; Cosgrove Power Station and has plans for a facility at the Southborough Aqueduct. These facilities will be maintained and operated by personnel whose main function is to perform duties connected with the supply of water and who will be transferred to the MWRA, as of July 1, 1985.
- (iii) The parties hereby agree that as of July 1, 1985, and for so long as MWRA is entitled to receive credit for

the revenues derived from hydroelectricity, MWRA shall have authority to operate, control, maintain and replace the hydroelectricity facilities listed above, subject to limitations imposed by DWM, pursuant to section 107 of the Act, for reasons of sound management of the reservoirs, for watershed, waterworks and stream flow purposes.

- (iv) Upon request by MWRA, the DWM may authorize the MWRA to develop and operate increased hydroelectric capacity or new facilities. In evaluating such a request, the DWM shall consider all relevant data. However, the DWM may not approve such expanded capacity or new facility unless the water for such hydroelectric generation is otherwise subject to release for reasons of sound management of the reservoirs for watershed, waterworks and stream flow purposes. To the extent the DWM determines that additional facilities may be developed, the DWM shall authorize MWRA to undertake such projects.
  - (v) The staff of MDC and MWRA snall meet expeditiously to establish systems for maintaining records of power production, consumption and sales of power, and snall agree by September 1, 1986 upon procedures for crediting MWRA with revenues derived from hydroelectricity production.

#### C. Long Range Supply:

:

- (i) The MDC has entered into a contract to conduct a study known as the Long Range Water Supply Study --.EIR 2020. The MWRA hereby assumes reponsibility for the completion of this study in connection with its duties to determine the future requirements of the water system under section 8(e) of the Act and, in consultation with MDC, for formulating a proposal for augmentation of the water system for consideration by the General Court.
- (ii) The MDC is responsible for adopting plans for water yield enhancement, pursuant to G.L. c. 92, section 116, for the acquisition of new water rights and watershed lands to provide a sufficient supply of pure water to the MWRA pursuant to c. 92, section 105, and for construction of new dams and reservoirs under section 2(u) of the Act. In light of this role, the MDC shall have ongoing and substantial involvement in the long range planning effort of the MWRA and the MDC shall designate a Planning Liaison Officer who shall be fully involved with MWRA staff in the design,

review and evaluation of all water supply studies, including public participation. The MDC's Planning Liaison Officer shall be notified of all relevant meetings of the MWRA Board and its committees, and shall be consulted during the design and execution of the environmental and water needs studies and programs required of MWRA by subsection 8(e), paragraphs (i), (ii), (iv) and (v) of the Act. The Liaison Officer shall also keep MWRA staff informed of all planning activities of the MDC related to present or future water supply resources.

(iii) The MWRA specifically reserves the right to petition the Commission of the MDC and, when appropriate, the DEQE, for permission to use water from the Sudbury Reservoir and Poss Reservoir for water supply purposes. The MDC hereby agrees that such permission will not be unreasonably withheld or denied.

#### D. Additional areas of cooperation:

- (i) Each party hereby agrees to submit copies of draft capital and operating and maintenence budgets to the other party in time to permit review and comment by the other party, prior to any final action on those budgets by the Commissioner of the MDC or the Board of Directors of the MWRA.
- (ii) DWM shall consult with MWRA with respect to regulation and control of uses not related to flow of water for water supply purposes, of watershed lands and of the Quantin, Wachusett, sudbury and Framingham Reservoirs and the Ware River Watershed.
- (iii) DWM and MWRA snall supplement each other's efforts in carrying out sanitary monitoring and control at Wachusett and Sudbury Watersneds, including all reservoirs, consistent with regulations issued by DEQE.
  - (iv) The parties shall consult on a regular basis to ensure that Section 8(d) and (e) of the Act, dealing with contract members, new communities, demand management, conservation, safe yield and extensions of the waterworks system, are satisfied.

#### III. INSPECTIONS

In order that each party may fulfill its obligations and responsibilities under the Act, the parties agree as follows:

- A. The DWM shall have the right to inspect those waterworks facilities and records maintained and operated by the MWRA through which flows pass or are recorded.
- B. The MWRA shall have the right to inspect those facilities and records owned by the MDC that are critical to the safe and reliable supply of water to the MWRA, such as dams, dikes and spillways and to monitor any water supply owned by the MDC to determine its purity.
- C. All such inspections shall be carried out at reasonable times and with reasonable notice to the other party.

#### IV. DIVISION OF FACILITIES

# 4.1 In General

The facilities, machinery, equipment, vehicles, tools and other property now operated or maintained by those employees to be transferred snall be operated or maintained by the MWRA and, if personal property, shall be owned by the MWRA, and the MWRA shall have sole responsibility for their maintenance and replacement. With respect to buildings or structures owned by the Commonwealth but used exclusively or primarily by MWRA personnel, MWRA shall hereby undertake to maintain and repair such buildings or structures to the extent necessary to enable MWRA to carry out its functions and duties under the Act.

#### 4.2 Extraordinary Inspections and Maintenance

- A. The MDC recognizes its responsibility to maintain and make necessary improvements in all facilities and properties, real and personal, owned and operated by it, that are critical to the safe and reliable supply of water to the MWRA. This includes, but is not limited to, responsibility for the structural and operational integrity of dams, dikes, roads and spillways. The MDC shall include the funds necessary to carry out this responsibility in its capital and operating budgets.
- B. If the MDC fails for budgetary or other reasons to maintain any such facility or property to the satisfaction of the MWRA, the MWRA shall request the Commissioner of the MDC to make such repairs or improvements as the MWRA considers necessary. The Commissioner may carry out the repairs or may declare a need and authorize the MWRA to carry out repairs or improvements. In either case, the MWRA may seek reimbursement or a credit against revenues due to or from the MWRA.

·· Commentation of the state of

- C. Should a dispute arise between the MDC and the MWRA as to the need for any inspection or repairs, or the costs or liabilities associated with the repairs, that disagreement shall be subject to the dispute resolution mechanism described in this Memorandum.
- D. The MWRA expressly disclaims any willingness to accept any financial responsibility or legal liability for the condition of dams, dikes, spillways and other real property owned by the Commonwealth (other than that covered by section 4.1 above), or for any emergency maintenance of such properties undertaken by the MWRA pursuant to the preceding paragraphs.

#### V. DIVISION OF PERSONNEL

## 5.1 Personnel to be Transferred

As shown in the organization charts in Appendix B, the following employees of the MDC Water Division shall be transferred to the MWRA:

- A. The Water Division Director, Chief Planner, and 1 principal clerk; but not the Director of Reservoir Operations or the Environmental Quality Director.
- B. 17 of 67 authorized positions at Quabbin, primarily including the operator at Winsor Dam Power Station, and the operators and laborers at Ware River Intake Works and Nash Hill Reservoir.
- C. 12 of 43 authorized positions at Wachusett (not considering Clinton Sewage Treatment Plant), consisting of the operators and one laborer for the Cosgrove and Oakdale Intake and Power Plants.
- D. 40 of 82 authorized positions at Sudbury, including all positions at Weston and Norumbega distribution reservoirs, all currently filled positions in the aqueduct maintenance crew at Natick (Lake Cochituate), and the operators and laborers for the power station and snaft #4 at Southboro.
- E. 22 of 25 authorized positions in the Sanitary Section; 3 positions at Quabbin are not transferred.
- F. None of the positions in the Forestry Section.
- G. All employees of Metropolitan Operations (i.e. the Pumping and Distribution Sections).
- H. 12 of 21 authorized positions in Water Division Administration.

- I. All 4 positions in Demand Management.
- J. 42 of 50 authorized positions in Project Planning and Management; all positions in the Construction Management section shall be transferred, and all but 8 positions in the Project Planning & Engineering section.

#### 5.2 Shared Personnel

- A. In general, to the extent that employees remaining with DWM under this agreement now perform functions related to responsibilities to be assumed by the MWRA, the DWM shall make those or other DWM personnel available to the MWRA on a timely basis, as requested by the MWRA, to continue performing their current functions; to the extent that employees transferring to the MWRA under this agreement now perform functions related to responsibilities to remain with the DWM, the MWRA shall make those or other MWRA personnel available to the DWM on a timely basis, as requested by DWM, to continue performing their current functions.
- B. Each party shall reimburse or otherwise compensate the other for the direct payroll and other costs associated with any such services provided to it, under accounting and other arrangements to be mutually agreed upon by September 1, 1986; provided that, in no case shall the MWRA reimbursement for services performed by a DWM employee, when combined with the aliquot share payments made pursuant to section 42 of the Act (amending by addition section 113 of Chapter 92 of the General Laws) exceed 100 per cent of the direct payroll costs for that individual DWM employee.

#### VI. MISCELLANEOUS MATTERS

#### 6.1 Burial Rights

Every MDC employee transferred to the MWRA as of July 1, 1985 who now has rights to burial at Quabbin Cemetery shall retain said rights under section 4(g) of the Act.

#### 6.2 Housing

Those employees transferring to the MWRA who live in houses owned by the Commonwealth shall have the same right to continued occupancy of those houses as if they were remaining with the MDC, subject to the approval of the Commission and any changes in state law or policy as it relates to the leasing of such houses.

## VII. REGULATORY AUTHORITY

With respect to property under the control and operation of the MWRA under the terms of this Memorandum, the MWRA shall exercise exclusively all authority and responsibility for such permits, licenses, leases, rights of way, easements or other permissions as have been customarily within the purview of the MDC Water Division. This subsection applies notwithstanding the continued ownership of all real property by the Commonwealth, but does not affect the powers of the DWM with respect to watershed lands. The purpose of this subsection is to make clear that the MWRA shall have power to approve or disapprove plans, regulate rights of way, and issue use permits when, for example, a utility company seeks to carry out construction on land above an aqueduct.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed as of the  $\frac{g_{\#}}{g_{\#}}$  day of  $\frac{A_{[g,i]}}{g_{\#}}$  1986, by their duly authorized representatives.

MASSACHUSETTS WATER RESOURCES AUTHORITY

By: Whilefull hitak

Executive Director

METROPOLITAN DISTRICT COMMISSION

37: // Million / Silver

Commissioner

RHC/ml 2118L APPENDIX A
Allocation Between the MWRA and
MDC (Division of Watershed Management)
of Structures, Certain Equipment, and
Responsibilities<sup>1</sup>

# DEFINITIONS OF HEADINGS IN THIS APPENDIX

OPERATION - Operation of sluice gates, screens, valves, turbines, pumps, treatment facilities, communication facilities, water surface elevation readings, meter readings, gauge reading (stream and rain fall) and other incidental controls necessary for flood control and to deliver pure water to Chicopee and the metro-politan Boston areas, including diversion of water from the Ware River to the Quabbin Reservoir.

#### MAINTENANCE -

GROUNDS: Fertilizing and cutting of lawn areas, mowing of fields, mowing and cutting of shrubs and small trees on aqueducts, maintain plantings, maintain fences and gates, maintain roadways, plow roads, employ trash receptacles.

FORESTRY: Set up program for cord wood, timber, and wood chip sales on the various watershed properties, including seeding of clearcut areas, at Quabbin Reservoir, Ware River watershed, Sudbury Reservoir, Wachusatt Reservoir and Framingham Reservoir 1, 2, and 3.

STRUCTURE: Maintain roofs, walls, windows, doors, floors for named structures including meter chambers, shaft head houses. In the case of dams, maintenance shall include periodic inspection.

PIPING: Maintain piping and valves in all structures and all inground water supply pipe lines.

EQUIPMENT: Maintain all vehicles, and all mechanical equipment which includes, but not limited to turbines, generators, pumps, motors, engines, electrical wiring and control panels, heating, ventilation and air conditioner, plumbing, meters, screens (water) chemical feed machines, hoists.

Note: The allocation of vehicles is detailed in Appendix C.

MAINTENANCE

X

X

X

0

MWRA = X

MDC = 0

# QUABBIN AREA

**Quabbin Watershed** Winsor Dam Goodnough Dike Quabbin Weir Observation Tower & Utility Building Rest Rooms Quabbin Park Cemetary Office Building Service Building Well Pump House Administration Building East Residence West Residence East Garage West Garage Hangar Building Stockroom & Blacksmith Shop New Salem Headquarters Boat Launching Areas 1,2,3 each w/ 3 structures & ramps Rental Boats and Motors Blue Meadow Road Residence #1,2,3 Mackie House (New Salem) Winsor Dam Intake Winsor Dam Power Station Winsor Dam Diversion Works Chicopee Valley Aqueduct2 Bondsville Circle Regulating Valve Pit (Palmer) Nasn Hill Distribution Res. Nash Hill Gate House Nasn Hill Service Building Meser in Chicopee P.S. Meter in South Hadley Chlorination Champer Meter in Wilbraham meter vault Gate House #12 Service & Generator Building #12 Gate House #11A Quabbin Hill Power Line from Winsor Dam to Quabbin Hill Tower

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<sup>2</sup> Includes: Winsor Dam to Power Station to Bondsville to Nash Hill Reservoir in Chicopee to Chicopee-Ludlow line.

MWRA = X MDC = 0

#### MAINTENANCE

# WARE RIVER AREA

Ware River Watershed
Comet Pond
Demon Pond
Brigham Pond
Ware River Diversion Dam
Ware River Intake Works
Ware River Intake Serv. Bldg.
Lower Garage
Rutland-Holden Sewer<sup>3</sup>
Residence - Oakham
Shafts 2-7. 9. 10

#### WACHUSETT AREA

Oakdale Power Sta. (Shaft 1) Oakdale Power Station Service Building Wachusett Watershed North Dike South Dike Wachusett Dam & Spillway Upper Gate Chamber Wachusett Power & Intake Sta. Quinapoxet Weir & Fish Ladder Bridges - Thomas & Beamon Sts. Cosgrove Power Station Shaft A Shaft B Shaft C Cosgrove Aqueduct Tunnel Wachusett Aqueduct & Open Channel Wacnusett Aqueduct Lower Dam Head House (Terminal Cham.) Power Line: Cosgrove to Arrestor Building Arrestor Building All power transmission lines station to grid

OP	GRNDS	FSTRY	STRUC	PIPING	EQUIP
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0	0		0		0
0	0		0		0
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X	X		X	X	X
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3MWRA - Operations is meters readings, gates, valves, billings and payments for sewage conveyed and treated. Maintenance is defined as those items which can be charged back to the users (Rutland, Holden, and Rutland State Hospital).

MDC - Approves new connections, enters into agreements with Rutland, Holden, Rutland State Hospital, Worcester, and Upper Blackstone Pollution Abatement District, and provides capital improvements for protection of the watershed. Capital improvements are defined as those items that cannot be charged back to users as maintenance costs.

MAINTENANCE

MWRA = X MDC = 0

Residences<sup>4</sup>
Wilson Street Yard<sup>5</sup>
77 Lancaster Street Yard<sup>6</sup>
Stirling Filter Beds
Cider Mill Ditch
Washacum Ponds

## SUDBURY AREA

Marlboro Brook Filters7 North Sudbury Watershed Sudbury Dam Sudbury Dam Gate House Sudburg Dam Boat House Sudbury Dam Lightning Arrestor House Shaft 4 Valve Station Chemical Feed Building --Administration Building Residences<sup>8</sup> Off Boston Road Headquarters Building Garage Barn Maintenance Chemical Storage Shed Salem End Road Garage Carpenter Shop Storage Garage Paint Shop

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<sup>4</sup>Includes: 300 Boylston St. (2 family); 504 Wilson St.; 506 Wilson St.; 14 Foster St.;
77 Lancaster St.; Cedar St.; Malboro St.

<sup>5</sup> Includes: Garage Carpenter Shop; Construction Buildings; Garage & Storage Building.

<sup>5</sup> Includes: Garage; Barn (Headquarters); Wood Storage Shed.

<sup>7</sup> Includes: Office Building; Garage; Storage Building.

<sup>8</sup> Includes: 260 Boston Road (2 family); 322 Salem End Road; 684 Water Street & Garage; Off West Commonwealth Road.

MAINTENANCE

Lake Cochituate9
Norumbega Balancing Reservoir
Chemical Feed House
Gate 7 Screen House
Schenkes Pond
Weston Balancing Reservoir
Headquarters & Garage
Screen Chamber & Chem. Feed
Chlorine & Ammonia Storage
Cochituate Aqueduct
Gate House
Dadmum's Waste
Framingham Dams 1, 2, & 3
Spillways
Gate Houses
Farm Pond

OP	GRNDS	FSTRY	STRUC	PIPING	EQUIP
X	X		X		X
X	X		X		X
X	X		· X	,	X
X	X		X		X
X	X		X		X
X	X		X		X
X	X		X		X
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WESTON AQUEDUCT11

SUDBURY AQUEDUCT10, 10A

<sup>9</sup> Includes: Office; Garage; Barn; Storage; Lumber Shed.

<sup>10</sup> Includes: Stearn's Gate House; Farm Pond Inlet Champer; Farm Pond Gate House; Leland St. Gauging Station; Chemical Feed Building (Leland St.); Course Brook Waste Weir; Siphon Chamber - East & West; Echo Bridge; Clark's Waste Weir; Terminal Champer at Bradlee Basin (Chestnut Hill Area), Bacon's Waste Weir, Waban Arches, Fuller Brook Waste Weir.

<sup>10</sup>ASnow plowing to be done by MDC.

llincludes: Gauging Chamber #1 (Pinenill Rd.); Gauging Chamber #2 (Potter Rd.); Sudbury River Siphon Chambers #1 & 2; Happy Hollow Siphon Chambers #3 & 4; Terminal Chamber; Ash St. Barn; Lower Terminal Chamber; Weston Aqueduct Head House.

MWRA = X MDC = 0

MAINTENANCE

HULTMAN AQUE	OUCT12		
Storage Build	lings		
Off Winter	Street	Gate	10
Off Winter	Street		
Telephone Bu			

# **BOSTON AREA**

DISTRIBUTION RESERVOIRS & STANDPIPES13

Reserviors:
Spot Pond
Chestnut Hill14A
Fells14A
Waban Hill
Bear Hill14A
Fisher Hill
Arlington (covered)
Blue Hills
Standpipes15

PUMPING STATIONS 16

OP	GRNDS	FSTRY	STRUC	PIPING	EQUIP
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X	x		. <b>X</b>		
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X	X		X	X	X
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X	X		X	X	X
X	X		X	X	X
X	X		X	X	X

<sup>12</sup> Includes: Shaft 3; (Shaft 4); Shaft 5; Shaft 5; (Norumbega).

<sup>13</sup> Includes: Valve Houses; Chemical Feed Facilities.

<sup>14</sup>ASnow removal at Chestnut Hill, Fells and Bear Hill to be done by MDC.

<sup>15</sup> Includes: Arlington, Park Cirice Turkey Hill; Arlington, Bellvue #1 & 2; Walnut Hill.

<sup>16</sup> Includes: Chestnut Hill (high); Chestnut Hill (low); Spot Pond (Stoneham); Hyde Park; Arlington (Spring St.); Arlington (Brattle Court); Brookline (Newton St.); Newton (Commonwealth Ave.); Waltham (Lexington St.); Belmont; Newton (Dudley Rd.); Brookline (Reservoir Rd.).