



# **Water Supply District of Acton**

693 MASSACHUSETTS AVENUE  
P.O. BOX 953  
ACTON, MASSACHUSETTS 01720

TELEPHONE (978) 263-9107

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## **Board of Water Commissioners**

### **Meeting Agenda**

**Monday, January 13, 2020 @ 7:30 PM**

- **Comments from Citizens**
- **Approve minutes of December 2<sup>nd</sup> meeting**

#### **OLD BUSINESS:**

- Review of FY '21 DRAFT budget & proposed warrant articles
- Commissioners' 2019 Annual Report

#### **NEW BUSINESS:**

- Water Management Act Permit renewal Order to Complete (OTC)
- Request from Green Acton
  - Clarification and request to publicize web content related to the procedure for submitting an article for the Annual Meeting Warrant

Board of Water Commissioners  
Meeting Minutes  
Acton Water District  
693 Massachusetts Avenue, Acton MA  
Monday, December 2, 2019

**AGENDA**

- A. Comments from Citizens
- B. Approve Minutes of November 18th Meeting

C. OLD BUSINESS:

- 1. Proposed Sewer District Expansion in West Acton
- 2. MA Department of Environmental Protection (MA DEP) Approval Letter for the Central Acton Water Treatment Plant (CAWTP)

D. NEW BUSINESS:

- 1. Introduction & Review of FY '21 DRAFT Budget & Proposed Warrant Articles
- 2. Per- and Poly-fluoroalkyl (PFAS) Source and Aquifer Sampling in South Acton

**Present at Tonight's Meeting:**

Commissioners: Stephen Stuntz (Chair), Erika Amir-Lin  
District Manager: Chris Allen  
District Treasurer: Mary Jo Bates  
District Counsel: Mary Bassett  
Environmental Manager: Matthew Mostoller  
Finance Committee: Dave Butler (via phone)  
Green Acton: Lucy Kirshner

Citizens:

Mike Geis  
Chris Williams  
Jon Rohr  
Ron Parenti

The Board of Water Commissioner's meeting was called to order at 7:31 PM on Monday, December 2, 2019 at the Acton Water District by Mr. Stephen Stuntz.

**A. Comments from Citizens:**

Lucy Kirshner who is representing Green Acton would like to know if there is a certain procedure for requesting to put an Article on the Warrant for the District's annual meeting. Counselor Bassett stated that the Commissioners need to review the information/subject and then determine whether it would recommend the article for approval. The procedure for requesting the inclusion of an article by citizens is the same as used in the Town of Acton; the District follows the same state law procedures as a town. Mr. Stuntz stated that; that she should work with Matthews Mostoller and Chris Allen to iron out the article language. ; Mr. Allen will check on what is required, and follow-up with Ms. Kirshner.

**B. Approve Minutes of November 18th Meeting:**

Mr. Stuntz motioned to approve the minutes of November 18, 2019. Ms. Amir-Lin seconded, and it was unanimously approved.

**C. OLD BUSINESS:**

*1. Proposed Sewer District Expansion into West Acton.*

Mike Geis spoke and made a slide presentation. He doesn't think that the Town of Acton has been consistent on sewerage. Mr. Mostoller mentioned that the data in Mike Geis' presentation on water quality relative to nitrogen does not necessarily correlate with what is coming out of groundwater wells.

Ms. Amir-Lin asked Mike Geis who he is representing. He stated that he is representing the Friends of West Acton who are just residents. Ms. Amir-Lin asked if there are any businesses that have endorsed the Friends of West Acton. Chris Williams stated that there are some; these businesses are concerned about the cost but not so much environmental issues.

Mr. Stuntz asked if the Commissioners are going to take a position on the proposal and article for Special Town Meeting? Mr. Allen stated that the sewer project is not coming down to the District office where we are currently served by multiple tight tanks. Mr. Stuntz asked if there are any advantages of having sewer? Mr. Mostoller stated that we are not getting inclusion of the neighborhood that would directly benefit the Water District's potential well site off Massachusetts Ave in the West Acton village. Many years of nitrogen build-up could be a problem as evidenced by exploration work done in the 1980's. Mr. Stuntz mentioned that if it doesn't impact the District as proposed then we don't take a position on it.

Mr. Allen asked what is the feeling amongst citizens: are they for or against the sewerage? Chris Williams stated that most are afraid of the cost associated with it; seems like it is mostly businesses in West Acton who would like to have sewers; others feel that they are modern and that septic systems are old school. Majority of homeowners are against it. There could be a \$34K-\$40K betterment on properties included in the sewer district. Financial impact is very real and worrisome.

Mr. Parenti stated that the way betterments are assessed in Acton is unique. In 1998 the Town was trying to put in sewer and was getting resistance from citizens. The Town would put all the burden on the users. Betterments are much higher, and the financial burden is very severe.

Currently, the Commissioners are taking no position on the West Acton sewer project.

Enclosed in packets is the latest version of the West Acton sewer project area map that was provided by the Town.

*2. MA Department of Environmental Protection (MA DEP) Approval Letter for the Central Acton Water Treatment Plant (CAWTP).*

Enclosed in tonight's packets to the Commissioners is the official approval letter received from MA DEP to construct the Central Acton Water Treatment Plant (CAWTP). Mr. Allen mentioned that we are approaching 100% design; it will go to bid mid-winter (Feb/March 2020); and break ground around June of 2020.

**D. NEW BUSINESS:**

*1. Introduction & Review of FY' 21 DRAFT Budget & Proposed Warrant Articles*

The DRAFT FY' 21 Budget:

Enclosed in tonight's packets to the Commissioners is a copy of the FY '21 DRAFT Budget. Mr. Stuntz asked about Other Post-Employment Benefits (OPEB) and when will the District start paying retirees out

of this fund; Ms. Bates stated it is 96% funded we are not going to add any more to it; Ms. Bates stated that she needs to have a discussion with the Finance Committee to determine when they will start using the fund.

Mr. Stuntz inquired as to what the hook-up fees are projected? Mr. Allen stated \$200,000, which is a typical number that we predict annually for budgetary purposes.

Ms. Bates stated that the next budget that the Board reviews in January of 2020 will show six-month actual numbers.

**The Proposed Warrant Articles:**

Enclosed in tonight's packets to the Commissioners is a simplified version of the proposed Warrant Articles. Perennial appropriations some from WR Grace and some from Surplus Revenue.

Regarding the solar lease and impending Article 97 impacts, Mr. Allen asked about the need for an article on the 2020 Warrant to approve the lease, since it was approved in 2014. Counselor Bassett said that since we are adding two additional five-year increments to the approved 20-year lease, it is necessary to amend the article that had been previously approved. Ms. Bates asked about the new stabilization fund that the MA Executive Office of Environmental Affairs (MA EEA) is requiring for land acquisition related to the Article 97 impacts of the leased parcels for solar. She stated that only District voters can authorize to set up the stabilization fund. Mr. Allen mentioned that we don't know what the amount is yet. Counselor Bassett said we should have a place holder for it. There will likely be a new article to approve the solar lease the 2-five-year options to renew and authorization to set-up a new stabilization fund2020 Annual Meeting warrant.

*2. Per- and Poly-fluoroalkyl (PFAS) Source and Aquifer Sampling in South Acton.*

Enclosed in tonight's packets to the Commissioners is a copy of a presentation that Mr. Mostoller will review for the Board regarding an introduction to per- and poly-fluoroalkyl (PFAS) and includes information on WR Grace and NMI aquifer sampling in South Acton. He informed the Commissioners that WR Grace started sampling for PFAS back in August which included about two dozen sites being sampled as a screening evaluation for the need to do additional locations. NMI is going to sample a larger number of sites to determine whether PFAS will need to be addressed during remedial actions. The NMI sampling will include our Assabet production wells.

*Other New Business:*

Mr. Allen recommended that the Commissioners consider moving the open meeting start time to 7:00 PM instead of 7:30 PM. The Commissioners don't see that as a problem but would like to wait for Mr. Rosen to be present to discuss and vote.

*Ms. Amir-Lin motioned to adjourn the open meeting at 8:20 PM. Mr. Stuntz seconded, and it was unanimously approved.*



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January 13, 2020

## Proposed Warrant Articles for 2020 Annual Meeting (FY '21)

1. Appropriate **\$125,000.00 from the WR Grace RRA** for Maintenance & Operations (M&O)
2. Appropriate **\$75,000.00 from Surplus Revenue** for Clean & Rehab Wells
3. Appropriate **\$30,000.00 from Surplus Revenue** for Replace Old Mains
4. Appropriate **\$30,000.00 from Surplus Revenue** for Emergency Main Breaks
5. Appropriate **\$65,000.00 from Surplus Revenue** to replace the Granular Activate Carbon (GAC) media in the Clapp/Whitcomb filtration vessels
6. Appropriate **\$85,000 from Surplus Revenue** for the replacement of filter cartridges at the North Acton Water Treatment Plant (3<sup>rd</sup> of three appropriations)
7. Appropriate **\$100,000 from Surplus Revenue** for filtration residuals management
8. Appropriate **\$100,00 from Surplus Revenue** for purchase of a service truck
9. Authorization to sell or trade the District's 2004 Ford F-350 service truck
10. Mitigation revolving fund for \$100k
11. 20-year lease with Baldco, Inc.
12. Accept utility easement expansion at 8 Post Office Square from 20' to 30' to accommodate utilities for the new Central Acton Water Treatment Plant
13. 20-year lease with EDF Renewables for ground-mount solar arrays at Lawsbrook Road & Knox Trail with option for two five-year additions for total of 30-years
14. Re-designate the WR Grace Receipt Reserved for Appropriation account to a Stabilization Fund

**Total from Surplus Revenue = \$485,000.00 (Currently Surplus Revenue = \$870,069)**  
**-Balance after appropriations = \$385,069**

**Total from WR Grace RRA= \$125,000**

**Grand Total = \$610,000.00**

## FY 2021 Budget and Estimated Revenue

	Actual FY 2019	Budget FY 2020	6 month actual	Budget FY 2021
<b>EXPENSES</b>				
Accounting	1,800	2,000	800	2,000
Audit	16,000	16,000	16,000	16,000
Auto Maint & Fuel	50,000	50,000	21,866	50,000
Backflow/Cross Conn	468	1,000	118	1,000
Short Term Debt	-	350,000	330,786	500,000
Long Term Debt	1,526,093	1,512,816	411,080	1,490,908
Chemicals	75,000	75,000	30,154	75,000
Computer Maintenance	14,866	16,000	13,133	16,000
DEP Withdrawal	5,066	6,500	4,624	6,500
Employee Education	15,203	17,500	8,516	17,500
Engineering	55,000	55,000	25,601	55,000
Health/Life Insurance	342,935	397,000	175,083	412,880
Hydrants	10,000	10,000	4,097	10,000
Information Reports	31,476	45,000	27,313	45,000
Insurance	81,253	86,000	85,692	89,000
Laboratory Analysis	50,000	50,000	21,064	60,000
Legal	40,000	40,000	21,613	40,000
Lights/Power/Fuel	405,000	375,000	179,915	390,000
Maintenance & Operations	629,377	325,500	140,529	335,000
Middlesex Retirement	218,063	247,600	243,164	256,971
Meters	57,401	75,000	7,119	75,000
Office Supplies	13,797	20,000	4,785	20,000
OPEB Expense	100,000	100,000	-	0
Paving	47,339	50,000	24,090	50,000
Petty Cash	600	1,000	300	1,000
Postage	18,519	20,000	4,854	20,000
Reserve Fund	-	100,000	-	100,000
Salaries & Wages	1,301,768	1,460,000	701,440	1,505,000
Telephone	18,145	20,000	8,402	20,000
<b>Total</b>	<b>5,125,169</b>	<b>5,523,916</b>	<b>2,512,138</b>	<b>5,659,759</b>
<b>REVENUE</b>				
Water Revenue	2,586,470	2,747,932	1,765,092	2,728,159
Service Fee	517,500	522,000	261,300	522,000
Debt Fee	1,823,200	1,983,600	991,800	1,983,600
Total Water Revenue	4,927,170	5,253,532	3,018,192	5,233,759
Fire Protection Sprinklers	40,212	40,000	40,067	40,000
Rent/Lease	121,342	112,000	56,020	112,000
Repairs/Installation	58,338	50,000	31,857	50,000
Cross Connection	24,436	22,000	12,737	24,000
Demand Fees	191,035	200,000	418,850	200,000
Mitigation Fees	71,319	0	84,307	0
Total Other Revenue	506,682	424,000	643,838	426,000
<b>Total</b>	<b>5,433,852</b>	<b>5,677,532</b>	<b>3,662,030</b>	<b>5,659,759</b>

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<b>FY 2021 Budget Total</b>	5,649,759			
<b>Warrant Articles</b>	<b>Free Cash</b>	<b>Mitigation</b>	<b>Grace</b>	
Carbon Replacement	65,000			
Residuals Management	100,000			
Clean Rehab Wells	75,000			
Replace Old Mains	30,000			
Emergency Main Breaks	30,000			
Treatment M&O			125,000	
Filter Cartridge Replacement	85,000			
Mitigation Revolving Fund		100,000		
New Truck	100,000			
Returns to Free Cash/Grace	0		0	
<b>Total</b>	<b>485,000</b>	<b>100,000</b>	<b>125,000</b>	
		<b>Total all appropriations</b>	<b>6,359,759</b>	
	<b>Free Cash</b>	<b>Mitigation</b>	<b>Grace</b>	
<b>Current Balance</b>	870,376	92,646	2,238,631	MKT
<b>Balance after appropriations</b>	385,376	-7,354	2,113,631	
Funding needed from Revenue			5,649,759	
<b>REVENUE:</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Projected</b>	<b>FY 2021 Projected</b>	
Water Rates	2,586,469	2,747,932	2,747,932	
Service Fee	517,500	522,000	522,000	
Debt Service Fee	1,823,200	1,983,600	1,983,600	
<b>Total Water Revenue</b>	<b>4,927,169</b>	<b>5,253,532</b>	<b>5,253,532</b>	
Fire Protection Sprinklers	40,212	40,000	40,000	
Rent/Lease	121,342	112,000	112,000	
Repairs/Installation	58,338	50,000	50,000	
Cross Connection	24,436	24,000	24,000	
Demand Fees	191,035	418,500	200,000	
<b>Total Revenue</b>	<b>5,362,532</b>	<b>5,898,032</b>	<b>5,679,532</b>	
Potential Surplus to add to Free Cash FY 20		474,116		
	Potential Surplus to add to Free Cash FY 21		29,773	29,773

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Services		6,784		
Units		8,700		
	per unit per quarter			
Debt Fee		57.00	1,983,600	
Service Fee		15.00	522,000	
Revenue Projections FY 20	Through 12/31		3,662,033	
	Jan		1,244,129	
	Apr		1,128,070	
	Cross Connect		10,600	
	Repairs		30,000	
	Demands		29,600	
	Rent 6 months		56,000	
			6,160,432	
	\$ Billed			
	1,702,857	October 19		
	1,391,932	July 19		
	1,093,670	April 19		
	1,094,665	January 19		
	5,283,124			
Potential impacts FY 21	Solar Lease Revenue		300,000	SMART Block ??
	Lights Power & Fuel		-160,000	

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*From:* Green Acton Water Committee

*Re:* clarifying and publicizing the process of submitting an article for the AWD annual meeting warrant by citizens' petition.

*Date:* 6 January 2020

**Summary:** It seems that there exists a process by which a group of Acton citizens can submit a citizens' petition article for the warrant for the annual meeting or a special meeting of the Acton Water District--but this process is not well known to the citizenry. We request that the details of the process be clarified and confirmed by the Commissioners, and then the procedure be posted on the AWD Website and publicized through appropriate outreach.

**Background:**

Following the 2019 AWD Annual Meeting, and then again at a recent Commissioners' meeting, the question arose as to if and how a group of citizens could bring an article to an AWD Annual Meeting (or district Special Meeting) by means of Citizens' Petition.

The answer was unclear. One suggestion was that citizens can just informally suggest an article to the AWD staff, who would add it to the warrant. Another suggestion was to follow the same procedure as the Town of Acton.

But upon further digging, AWD Attorney Mary Bassett found that there is a relevant law:

**From:** Mary Bassett <[mary@marybassettlaw.com](mailto:mary@marybassettlaw.com)>

**Sent:** Tuesday, December 3, 2019 3:23 PM

**To:** Chris Allen <[Chris@actonwater.com](mailto:Chris@actonwater.com)>

**Cc:** AWD Commissioners <[Commissioners@actonwater.com](mailto:Commissioners@actonwater.com)>

**Subject:** Re: Signatures for a warrant article

The law states:

The selectmen shall insert in the warrant for the annual meeting all subjects the insertion of which shall be requested of them in writing by ten or more registered voters of the town and in the warrant for every special town meeting all subjects the insertion of which shall be requested of them in writing by one hundred registered voters or by ten per cent of the total number of registered voters of the town whichever number is the lesser. The selectmen shall call a special town meeting upon request in writing, of two hundred registered voters or of twenty per cent of the total number of registered voters of the town, whichever number is the lesser; such meeting to be held not later than forty-five days after the receipt of such request, and shall insert in the warrant therefor all subjects the insertion of which shall be requested by said petition.<sup>1</sup>

Mary

Mary E. Bassett, Esq.

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<sup>1</sup> Source appears to be at:

<https://malegislature.gov/Laws/GeneralLaws/PartI/TitleVII/Chapter39/Section10>. Section 39 covers "Municipal Government."

Green Acton Water Committee members questioned how citizens were to know that this law applied to the Acton Water District, which has no "selectmen" such as referred to in the law.

District Manager Chris Allen replied (email Dec 10, 2019):

For this purpose, the District is subject to state law, notwithstanding the specific language, we abide by the statute versus needing to adopt specific related language in our own bylaws, as I'd previously sent you Mary's opinion in a separate message this morning.

Chris

\* \* \* \* \*

Since there had been a suggestion that citizens' should follow the same procedures as for the Town of Acton, we also looked for the Town of Acton documentation. The process for Citizen's Petitions for Town of Acton Annual and Special Meetings is in the Town Charter:

### **SECTION 3 - 5 Petitioner's Warrant Articles**

Petitioner's warrant articles shall be submitted to the selectmen in written form. Ten signatures shall be required on a petition to have an article inserted in the warrant for an annual town meeting, and one hundred signatures shall be required on a petition to have an article inserted in a warrant for a special town meeting.<sup>2</sup>

The AWD Charter does not seem to have a parallel section.<sup>3</sup>

#### ***What to include in the new webpage?***

The final wording and content of the new webpage should, of course, be developed by the AWD Commissioners and staff. But as interested citizens, we would find it helpful if the following documentation were to be included:

- The text, citation and web link to the relevant Massachusetts statute
- a statement that the AWD is covered by this law, even though AWD doesn't have "selectmen"
- a downloadable pdf of the form that needs to be filled out with a place for the petition text and signatures
- a statement of how many signatures are needed under the various conditions
- a clarification that the signatures have to be of registered voters in the Town of Acton and do not have to be customers of the AWD
- the deadline by which such a petition needs to be submitted for the spring annual meeting
- the person or place to which the petition needs to be submitted.

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<sup>2</sup> <https://ma-acton2.civicplus.com/DocumentCenter/View/615/2014-Town-Charter?bidId=%20which%20says>: p.7. Article 3 covers "Legislative Branch."

<sup>3</sup> <https://greenacton.org/wp-content/uploads/2016/09/Acton-Water-District-Charter.pdf>

**Permit Renewal Summary Sheet  
Acton Water District, 9P4-2-14-002.01**

<b>Existing Total WMA Authorization (mgd)</b>	<b>1.94</b>
Registration Volume (mgd)	1.56
Permitted Volume (mgd)	0.38

Number of Sources	Ground	Surface
	24*	0

\*11 wells are permitted

<b>Reported Use Summary</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2010-2014 Average</b>
Actual Withdrawal (mgd)	1.71	1.64	1.68	1.68	1.72	1.69

<b>Performance Standard Summary</b>	<b>Base from DCR Forecast</b>	<b>2013 DEP Accepted</b>	<b>Statewide Standard</b>
Residential gallons per capita/day (RGPCD)		56	65
Percent Unaccounted for Water (UAW)		11	10

**Water Needs Forecast Summary**

<b>Water Needs Forecast Scenarios</b>	<b>2021</b>	<b>2026</b>	<b>2031</b>	<b>5% Buffer</b>	<b>2031 + buffer</b>
Based on 65 RGPCD and 10% UAW (mgd)	Water Needs Forecast is in preparation.				
Based on Current Trends (mgd)					

**Permit Data Summary**

Permit Requirements Information		Comments
Estimated total allocation (reg + perm)	1.94	Maximum volume available for renewal pending final WNF.
Baseline (BL) in mgd	1.79	2005 withdrawal volume + 5%
Projected increase above BL	0.15	Pending final WNF.
Estimated Permit Tier	2	Increase above baseline does not change GWC.
Mitigation Plan Required?	Yes	Mitigation volume dependent on final WNF.
Coldwater Fishery Resource (CFR) Consult?	No	CFRs in Subbasins 12059 and 12069, but no impact expected.
Minimization Required?	Yes	August net depletion is greater than 25% in subbasins 12050 & 12069

**Subbasin Data Summary**

	subbasin 12050	subbasin 12059	subbasin 12069	subbasin 12058	subbasin 12066
Percent August Net Groundwater Depletion	115.8%	surcharged	32.3%	22.4%	2.0%
MWI Affected Flow (for use in Source Optimization for Minimization Planning)	0	2.628	21.856	2.341	1.332
Groundwater Withdrawal Category (GWC)	5	4	4	4	4
Does increase above BL cause GWC change?	No	>0.476 mgd	>2.182 mgd	NA	NA
Biological Category (BC)	5	5	5	5	5
Does increase above BL cause BC change?	No	No	No	NA	NA
Permitted Sources	09G-13G	14G-18G	0BG (Assabet 3)	None	None
Registered only Sources	None	02G	06G, 19G, 26G	03G, 04G, 20-23G	01G, 24G, 25G

<b>Non-essential Outdoor Water Use Streamflow Trigger Information May 1 through Sept 30</b>			
USGS Gage 01097300 - Nashoba Brook, near Acton, MA			
<b>Time Period</b>	May - June	July - Sept	7 Day Low Flow
<b>Trigger Value</b>	10 cfs	3.0 cfs	0.57 cfs



September 29, 2015

Matthew Mostoller, Environmental Compliance Manager  
Acton Water District  
693 Massachusetts Avenue  
Acton, MA 01720

Subject: Final Water Needs Forecast for the Acton Water District

Dear Mr. Mostoller:

Thank you for working with staff in the Department of Conservation and Recreation's Office of Water Resources (OWR) over the past few months to finalize the water needs forecasts for your water supply system. This letter is a follow-up to our July 29, 2015, letter to you, which explained the draft water needs forecasts that OWR had developed for your water supply system. We appreciate your advising OWR staff that you had no further changes to the draft forecast. Please regard the draft projections as the final projections. The following outlines the data sources, assumptions, and forecast details for your reference.

**ASSUMPTIONS AND SOURCES OF INFORMATION**

Current System Metrics (2011 – 2014):

Base water use:	1.68 mgd
Base UAW:	12.6%
Base residential volume:	1.18 mgd
Base nonresidential volume:	0.28 mgd

Source: Annual Statistical Reports (ASRs) submitted to DEP, 2011 – 2014. Data from 2010 was not used, based on discussions with the Acton Water District, because of concerns about metering issues associated with a new treatment plant that was put into service in the 2009 – 2010 time period. Base water use represents finished water.

Base Employment, town-wide (2014): 9,981

Source: Massachusetts Department of Transportation (DOT) and Metropolitan Area Planning Council (MAPC) (2011). Interpolated for 2014 based on employment projections provided by DOT and MAPC.

Base service population:	21,645
Base Calculated RGPCD:	54.5

Sources: Base service population consists of year-round population and out-of-town population served in the towns of Stow and Boxborough. Year-round population served is calculated from the average town population based on Census 2010 and Census estimates for 2011 through 2014. It is assumed that the Acton Water District currently serves 95% of the total population of the town of Acton; population not served was determined based on the number of domestic wells (300) listed in DEP's SearchWell database multiplied by the average household size in Acton (2.66) plus population served by the town of Concord (370), as reported by the Concord Water Department. Out-of-town population served (11) is based on the number of connections served (4) and average household size in the towns of Stow and Boxborough.

COMMONWEALTH OF MASSACHUSETTS • EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS

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Matthew A. Beaton, Secretary,  
Executive Office of Energy & Environmental Affairs

Carol J. Sanchez, Commissioner  
Department of Conservation & Recreation

**PROJECTIONS**

	2021	2026	2031
Service Population Projections (includes out-of-town population)	23,101	23,830	24,559
Employment Projections	10,457	10,356	10,273

Sources: Service Population Projections are interpolated from population projections in the Acton 2020 Plan (2012). It is assumed that the percent of the year-round population served by the public water supply system will increase to 98% over the planning period, based on discussions with the Acton Water District. Service population includes out-of-town population served in the towns of Stow and Boxborough. Employment projections are interpolated from employment projections developed by DOT and MAPC (2011).

**Final Water Needs Forecasts:**

**Scenario 1: Assuming 65 RGPCD and 10% UAW:**

	2021	2026	2031
Projected Water Use (mgd)	2.00	2.05	2.10
Five Percent Buffer:			+0.11

**Scenario 2: Assuming water use continues at current RGPCD (54.5) and UAW (12.6%) during the planning period:**

	2021	2026	2031
Projected Water Use (mgd)	1.79	1.83	1.87
Five Percent Buffer:			+0.09

Thank you for your cooperation with this process. If you have any questions concerning these projections, please contact Marilyn McCrory at (617) 626-1423.

Sincerely,



Anne Carroll, Director  
Office of Water Resources

- ecc: Christopher D. Allen, District Manager, Acton Water District  
Marilyn McCrory, OWR  
Kathleen Baskin, EEA  
Duane LeVangie, DEP  
Elizabeth McCann, DEP  
Barbara Kickham, DEP  
Roland Bartl, Planning Director, town of Acton  
Jennifer Pederson, MWWA (per request)  
Carol Harris, Woodard and Curran (per request)  
Alison Field-Juma, Organization for the Assabet, Sudbury, and Concord Rivers (per request)  
Julia Blatt, Massachusetts Rivers Alliance (per request)