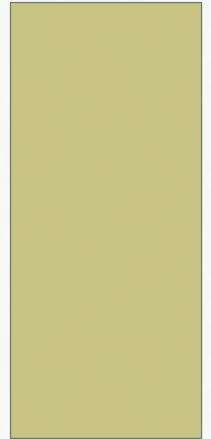


HOP BROOK PROTECTION ASSOCIATION

RESTORING AND PRESERVING SUDBURY'S PONDS

WATER CHESTNUT REMEDIATION PROPOSAL
2025





HISTORY

- Hop Brook Protection Association is a group of volunteers working toward the restoration of the Hop Brook watershed, especially the 3 major Sudbury ponds, to recreational waterway status.
- We requested our first grant in 2020, and our second one in 2023.
- We are making a tremendous amount of progress, and remediation costs are decreasing every year. However, it still can take up to 10 years to eradicate water chestnut from ponds like ours.



WORK SO FAR

- Starting in CY2022 we switched to “Water and Wetlands” as our vendor. They have been doing a consistently excellent job. They have even done an additional treatment on occasion at no charge where they felt it was warranted.
- The level of water chestnut in the ponds has been continually reduced, but further annual treatments are required, otherwise conditions will reverse and all our prior efforts will have been wasted.



GOING FORWARD

- We are requesting funds for no more than two years at a time because our vendor isn't comfortable estimating conditions further out.
- HBPA is requesting an additional grant to cover the cost of water chestnut treatment during FY 2027 & FY 2028.



RISKS OF INACTION

- Before remediation, water chestnuts spread over 80% of the pond surfaces every year.
- Each acre of infestation added up to 20 cubic yards of organic matter to the bottom of the ponds. As a result...
 - Water quality decreases
 - Lower oxygen levels
 - Shallower pond depth
 - Repugnant smell
 - Reduction of fish, birds, and native plants
 - Higher levels of mosquitos -> **increased EEE risk**

If we don't continue to treat, the Water Chestnuts win!



COMMUNITY SUPPORT

- Letters of Support provided from:
 - the Wayside Inn
 - the Sudbury Conservation Commission &
 - Lori Capone, the Conservation Coordinator
- In addition, our initial grant request had the explicit support of
 - the Selectboard
 - the Ponds and Waterways Committee



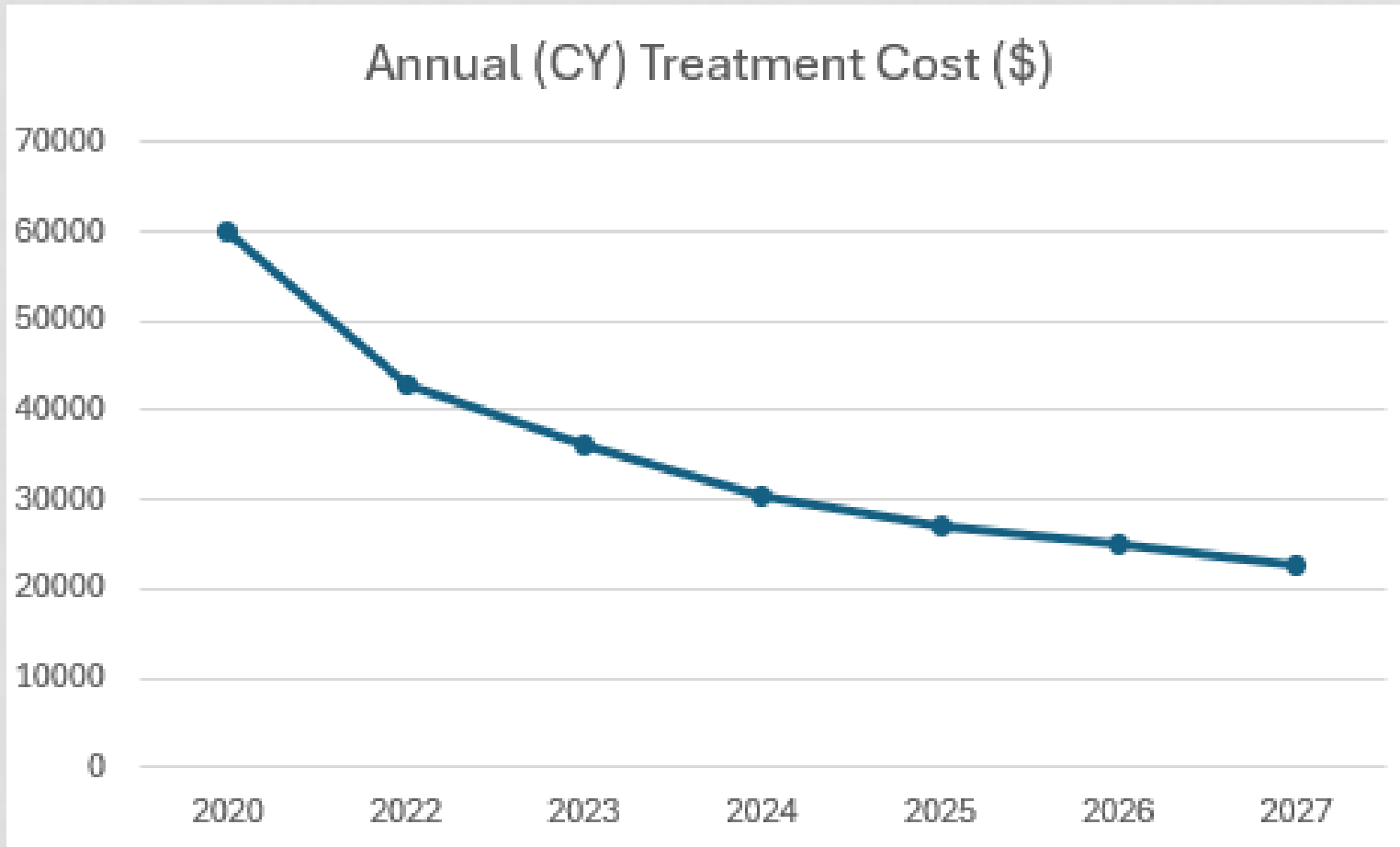
FUNDING SUMMARY

	<u>2026</u> <u>treatment</u>	<u>2027</u> <u>treatment</u>	<u>2028</u> <u>treatment</u>	<u>photos</u>	<u>Total</u>	<u>Grant</u> <u>Request</u>
FY 26 Funding (HBPA)*	1700				1700	
FY 27 Funding (CPC)	23400	2500		700	26600	26600
<u>FY 28 Funding (CPC)</u>		<u>20000</u>	<u>2500</u>	<u>700</u>	<u>23200</u>	<u>23200</u>
<u>Totals</u>	<u>25100</u>	<u>22500</u>	<u>2500</u>	<u>1400</u>	<u>51500</u>	<u>\$49800</u>

*Gap funding will be covered by HBPA's donated funds.



ANNUAL TREATMENT COST





**Thank
You!**



- Any Questions?