

Header (purpose sticky notes)	Vision Element (yellow sticky notes)	Who is Responsible for this (or Who Should be Working on this)	Priority for the Tree Advisory Board	Potential Metric	
Attention to Tree Ecosystems	The city supports all trees, public and private, and have adapted their snowplowing, landscaping and construction permitting practices to prevent premature death of trees from mulch volcanoes, poor planting techniques, and plow damage.			Policy and/or Permitting Practices	
Attention to Tree Ecosystems	Soil research was and is state of the art!				
Attention to Tree Ecosystems	Technical RESOURCES (species selection guide, siting diagrams for benefits, for private landowners. Program for yearly access to city subsidized planting & maintenance on private land.				
Attention to Tree Ecosystems	The city stopped the use of toxic pesticides years ago, so the trees are full of songbirds.				
Beauty/Quality of Life in Lebanon	The number of children and adults who care for, admire and love the trees around them.			# of people involved in caring for trees	
Beauty/Quality of Life in Lebanon	It certainly seems as though Lebanon loves its trees and knows how to care for them! Could this be the result of persistent educational efforts and advocacy on the part of the Lebanon Tree Advisory Board? No one can say for certain, but that was the hunch of the large oak tree in Colburn park.				
Beauty/Quality of Life in Lebanon	People being outside, together.				
Beauty/Quality of Life in Lebanon	There is more vibrant public life with noticeably more people out enjoying Lebanon's streets, parks and natural spaces.				
Beauty/Quality of Life in Lebanon	Lebanon is an increasingly desirable place to live and work and the population continues to grow.				
Beauty/Quality of Life in Lebanon	The structure of the trees even without their leaves. The sheer quantity of new trees thriving.				
Beauty/Quality of Life in Lebanon	City of benches				
Citizen Science	Science has become democratized.				
Citizen Science	Continued dependence on community science model for such data-based and human needs-based decision making			Use of community science in decision-making	
Citizen Science	Local schools are impressed by the impact community science has had on students and community life and continue to work closely with evolving city projects.				

Citizen Science	Involvement of high school students from science classes as well as activist groups (Students of Color Collective, Students for a Sustainable Future, Young Progressives, [Young Republicans].)				
Citizen Science	Educational INITIATIVES - "Society grows great..." Tree Diversity. Arbor Day Activities.			# of educational initiatives and/or events related to trees and impact of these things	
Citizen Science	Separate city webpage for CONSOLIDATED resources.				
Citizen Science	Community scientists from the schools and community volunteers present their findings to city boards and policy makers.				
Climate/Heat Islands	Reduction in urban heat islands; increase in shaded areas in all parts of the city			measure for heat islands	
Climate/Heat Islands	Heat maps indicate an 8 degree average cooling in the heat critical areas.			similar to above	
Climate/Heat Islands	We have eliminated residential hot spots throughout the city by planting trees			similar to above	
Climate/Heat Islands	Prioity zones based on impervious %			similar to above	
Climate/Heat Islands	Reducing impervious surfaces [this fits in several categories]			similar to above	
Enviro Justice/People Engaged	People choose to be outdoors most months of the year, including the hottest months of the year—in all neighborhoods, all parts of town.			# of people outside during the hottest months of the year	
Enviro Justice/People Engaged	A more hospitable, engaging world for people in their 70s, 80s, 90s.				
Enviro Justice/People Engaged	In a marked departure from what we see in 2022, senior citizens are out and about and enjoying the outdoors, walkways, benches—and thriving.				
Enviro Justice/People Engaged	People are spending more time outside, socializing, walking, playing, reading, sitting on thousands of benches located throughout the city. Lebanon would be not only a tree city and fountain city but a city of benches designed by local artists and volunteers. Benches would be found in any parts of the city with a lot of human activity.				
Enviro Justice/People Engaged	Citizens of all ages feel free to be involved: to learn and support the protocols (from physical science, natural science, and social science) adopted for this and evolving projects.				

Enviro Justice/People Engaged	There are regular tree walks and volunteer opportunities for residents who want to learn more about trees, enjoy nature and meet fellow residents.			# of events and impact	
Enviro Justice/People Engaged	Big tree walks				
Homeowners Private Property	Residential neighborhoods				
Homeowners Private Property	Most of the homeowners of Lebanon have enthusiastically planted native trees and shrubs on their property.			# of trees planted	
Homeowners Private Property	The understanding and appreciation of trees has shifted from seeing them as objects to living subjects that contribute to immensely to our City.			perception of trees	
How City/Government will be Used to Support Trees	Guidance on potential planning board political factors and enforcement.			city policies	
How City/Government will be Used to Support Trees	Informing SITE PLAN REGULATIONS as pertinent to the aligned goals of planning and tree board efforts. Site plan review if helpful.				
How City/Government will be Used to Support Trees	Several redevelopments projects have recognized the importance of trees and have instituted greener parking lots and sidewalks using best practices guided by the city that has helped lower surface temperatures in critical areas.				
How City/Government will be Used to Support Trees	Data-driven and human needs-based decision making by city policy makers.				
How City/Government will be Used to Support Trees	Access to most current urban tree best practices for planting and managing trees, technical RESOURCES with simplified graphic illustrative figures. Raingarden and streetscape details. Structural soils, etc. Incorporate into site plan regulations.				
How City/Government will be Used to Support Trees	When trees and green spaces come up in discussion at City meetings and agendas there is a palpable sense of mutual understanding that we love our trees and they need to be prioritized.				
How City/Government will be Used to Support Trees	Building connections to departments and boards				
Nature Economy	Travel arbo tourism				
Nature Economy	Have had complete buy-in from commercial real estate holders, who know they have reduced their cooling costs significantly.			reduction in cooling costs	
Nature Economy	Foliage tours				
Nature Economy	Quantify \$\$ benefits			cost benefits	
Parking Lots	The parking lots from above are like parks.				

Parking Lots	From the Cemetery I proceeded up Seminary Hill to the Miracle Mile. The addition of trees to the parking lots on the north side of the road has made a big <u>difference in the look of this area.</u>				
Parking Lots	Before going back north on 12A I stop and admire the tree plantings that have been done in some of the parking lots on 12A. (How did we manage to get the owners of these older parcels to shade their parking lots?)			# of trees in parking lots	
Parking Lots	Several bioswale demonstration projects have taken place that also serve as pollinator gardens and small parklets.			# demonstration projects and impact	
Preservation and Tree Health	The City has hired a tree Worden and tripled the budget for tree maintenance and planting.			amount of the budget for tree maintenance and planting	
Propagation	Planted inside urban forest				
Recreation	People out walking, biking, etc. A spring drive to admire the flowers. A autumn walk to admire the colors.				
Recreation	Travelling East on Dana Street up to the West Lebanon Cemetery by Mt. Lebanon Elementary School: Addition of trees to create Spring & Fall color and for cooling. (This is just one of the cemeteries in the City that can benefit from the addition of trees)				
Recreation	Behind those parking lots I connected up with the Mascoma River Greenway. This is a newer section that has been opened up from Slayton Hill Rd. along the Mascoma and West to 12A and the Connecticut. I notice a lot of potential in the trees and shrubs <u>already present.</u>				
Seeing Progress	It's hard to remember what some of these spaces were like before, so we go back on Google street view to 2022 and can't believe the difference.				
Seeing Progress	A tremendous amount of planning has already been done, and progress has been made on a number of the proposed projects. It seems we are now on the cusp of some big improvements for the City.			# of projects related to trees	
Seeing Progress	The amazing thing is that over time, persistent and smart advice can make a large impact. And the trees we helped plant 10 years ago are actually thriving!			# of trees planted that are thriving	
Seeing Progress	We have been wildly successful.				

Seeing Progress	Other cities are inspired by our work and thriving human and natural communities				
Seeing Progress	The City has successfully defended the title of most livable Small City in the US for 3 years running.				
Tree planting/Intention increase in tree #s	More fruit trees.				
Tree planting/Intention increase in tree #s	There are healthy new street trees filling in spaces where there were previously notable gaps, offering value able shade to pedestrians.				
Tree planting/Intention increase in tree #s	The City has partnered with private landowners in planting over 1,000 trees on private property to increase species diversity, provide more critical habitat and shade buildings and living areas.			diversity of trees planted	
Tree planting/Intention increase in tree #s	INVENTORY of street trees for maintenance, tracking and distribution.				
Tree planting/Intention increase in tree #s	Urban planted trees are comprised of mixes of species, in intentionally developed tree habitats				
Tree planting/Intention increase in tree #s	These trees are thriving after 50 years.			# of trees thriving	
Tree planting/Intention increase in tree #s	Coming up onto Main St. West Lebanon, I see that progress is slow, but we decided not to wait for the redesign of the streetscape here, and to plant a couple more Elm trees to continue the line of elms already in front of the Kilton Library.				
Tree planting/Intention increase in tree #s	I see new trees planted along the road and sidewalks, and highways all across Lebanon. A mix of shade and flowering trees.				
Tree planting/Intention increase in tree #s	West Lebanon's Main Street has beautiful trees shading the sidewalks from Bridge Street to Seminary Hill School (now West Lebanon Community Center).				
Tree planting/Intention increase in tree #s	Many more trees, playing a critical role in providing shade and humanizing environments				
Tree planting/Intention increase in tree #s	Plant lots of trees. West Lebanon is desperate for trees.				
Water Ways	Where the Mascoma empties into the Connecticut, I encounter the parcel known as the Two Rivers Conservation area. This place has been nicely cleaned up, some Elm trees planted and a trail leads down to the water. Maybe a kayak launch will eventually be possible here.				

Water Ways	Now I follow the trail south under I89 and along the Connecticut. This is also new, but incorporates an older, neglected trail built as part of the BJ's development. The Tree Board and others have been working on assessing the trees along here, cleaning up, and adding some new trees as needed, enhancing the view of the Connecticut.				
Water Ways	The City has seen several important reforestation projects along River buffers also increasing it's total tree canopy by 3% percent.			total tree canopy percentage	
Water Ways	Big doings in the Westboro Rail Yard, especially along the Connecticut River trail and the small park and boat launch at the North end. Some nice smaller trees have made a difference in this spot.				

03 Accomplishment

Ideas? Hows vs. Vision elements?

01 What has changed?

02 Impact

04 Evidence

Ideas/Strategies/Tactics	Priority for the Tree Advisory Board
HOW THE TREE ADVISORY BOARD IS GOING TO FUNCTION:	
Come up with a good way for members to share info with one another digitally.	
Recruit a tree arborist for our board.	
STRATEGIES & TACTICS (IDEAS FOR IMPROVEMENT):	
Come up with a Lebanon version of the NH Big Tree Program (e.g. the biggest red oak in Lebanon, tree of the month, etc.)	
In order to develop a well-functioning board, perhaps we could tap into the already existing https://treeboardu.org/ course online.	
Be aware of grant opportunities.	
Have an Arbor Day in April.	
Have a constructive, functional connection to Public Works. Perhaps we should invite them to our future meetings.	
City of Lebanon has gorgeous stones included in planning for street work going on around town, but we need a plan for trees, too.	
Get into the Master Plan.	
Be aware of some of the current literary and research focus on trees as cooperative members of vast interconnected ecosystems.	
Look into rewarding commercial establishments for not taking down trees.	
Organize and start up the heat island project, including tree canopy and landsat photos, and developing ways to score coverage of trees in an urban area. (Charlie volunteered to send out the plan that Somerville, MA uses for doing this.) 3	
In order to inform city boards such as the Planning Board, develop an inventory of trees that would be in our purview (i.e. urban trees, as opposed to the trees in Boston Lot). Paul: our current database is limited and not GIS-based. Sarah wondered if we could see what we have in our current database by the next meeting.	
Establish a tree nursery? The city of Concord, NH will give trees and help plant them on private property. Education of the city and students.	
Let's look at the Master Plan so that we're not reinventing the wheel.	
Partner with businesses.	
Focus on education and the arts.	
Gather "issues" from various stakeholder groups and search out alternative solutions that maximize win win scenarios. Figure out potentially limiting parameters and create appropriate guidelines.	
Rainfall treecare EMAIL blitz for establishment maintenance to homeowners and volunteers. Other maintenance emails for tree-care with expert guests aimed at professional AND DIY treecare.	
PRIORITIZE public tree planting sites based on right of ways, orientation, % chance of success, placemaking factor, environmental justice factors,	
Yearly PLANTING efforts with volunteers. Bareroot program with volunteers?	
Tree STORIES - Historical markers. significant tree map. colburn park etc. Need to research.	
Advice for City land based on management of climate change effects on forests.	
Technical advice for seeing and managing tree risk.	
Systematically prioritize tree maintenance.	
Hire tree warden & train volunteers in inventory, risk assessment and tree health observations.	

"Parking Lot" (items to follow-up on)
Connect with Lebanon Arts & Culture Commission re: Lebanon benches (made by artists)
Cemetery Committee
Consider different time horizons: short, mid, long term (some feel a sense of urgency)

What	Who
Update electronic documents and send to Susan & Kelsey	Katrina
Work on cleaning up and organizing electronic documents	Susan
Review electronic document and create "word bubbles" (buckets of key categories)	Kelsey
Create Google Map with pins etc. from vision elements	Sarah
Send out "work product" (all of the above) to the group to approve (like minutes)	TBD
Katrina & Andrew to touch base after receiving "work product" and determine if Katrina is needed to help facilitate the prioritization process in the March meeting	Katrina & Andrew

Process:	
1	Create a vision document: Big, long term "desired future state"
2	Shorter Term Work:
	Determine short term timeframe for Tree Advisory Board initial work
	Select key metrics (how the group will measure progress)
	Review list of ideas, strategies, tactics and determine which ones will improve the metrics
	Select the "vital few" to work on in 2022