



**TOWN OF HARRISBURG, NORTH CAROLINA
HARRISBURG TOWN HALL
SUSTAINABILITY BOARD MEETING**

**April 14, 2021
6:30 PM**

AGENDA

1. CALL TO ORDER

- A. This meeting will be held on the Zoom online platform. The public can access the meeting via: <https://us02web.zoom.us/j/89662184827?pwd=MUJrYitRQ1gvMGR2aGFPRUdHZnk2Zz09>
- B. AGENDA ADOPTION
- C. SPECIAL PRESENTATIONS
 - 1. **Jennifer Rall**, Urban Forestry Specialist, NC Forest Service - Discussing a recent Harrisburg Tree Canopy Assessment
- D. PUBLIC COMMENT - Anyone wishing to address the Board may do so during the Public Comment section. Please state your name and address for the record, be courteous and do not repeat what has already been said. Please keep your comments about the subject and not personal in nature.

2. CONSENT AGENDA

- A. Approve minutes from March 10, 2021 Sustainability Advisory Council meeting

3. OLD BUSINESS

- A. Quarterly Education Series: Solar
- B. EV charging stations in Harrisburg Park
- C. Harrisburg UDO update process
- D. Green Leaf Program (business and residential)
- E. The Harrisburg SAB officially adopted ~3-miles of Rocky River Road
- F. Sustainable promotional items
- G. Sustainability Series: April 17, 2021 - Tree giveaway and volunteer events

4. NEW BUSINESS

- A. Utility line easements - Consideration to explore alternatives to spraying chemicals; possibility of grants for plantings

5. ADVISORY BOARD UPDATES

- A. **SAB Revised By-laws:** Reviewed and approved during the April 12, 2021 Town Council meeting
- B. **SAB New Member Recruitment Process (2 open seats):** Application window open from March 1 to April 30, 2021 (60 days). One application received to date -- Bill Leake (refer to packet). Need to create an SAB applicant interview sub-committee. Process: Application open window period; interviews (can take place during application open window); SAB to review and vote on recommendations to be sent to Town Council for their final review/approval. Appointments will likely happen in Q3 based on this timing.

6. COUNCIL UPDATES

- A. Updates from Mayor Sciascia and Councilwoman Staton---Williams

7. ADJOURNMENT

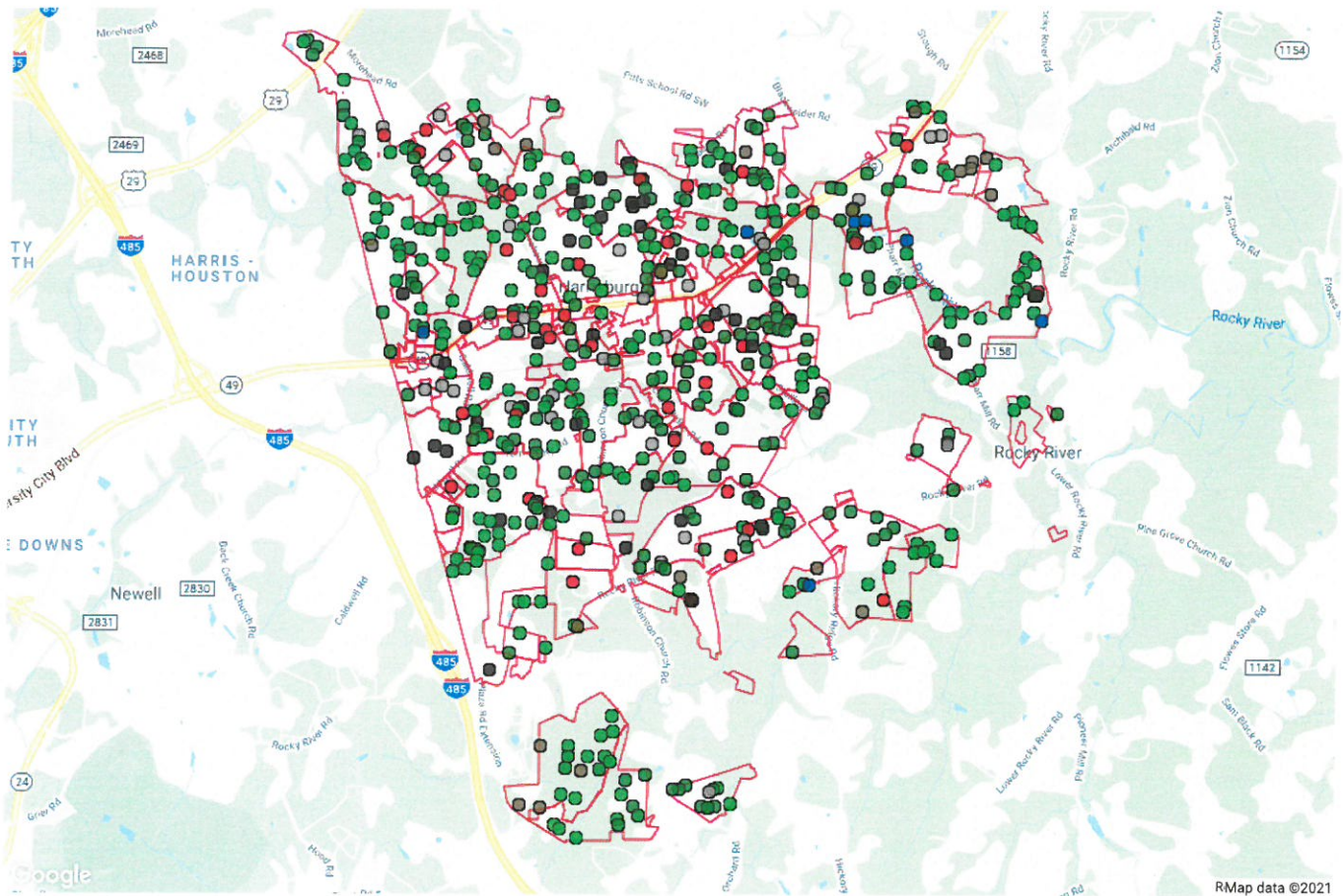
Town of Harrisburg's Vision Statement

Harrisburg will be the best small town in North Carolina based on low density housing, excellent economic opportunities, a safe living environment, and efficient and effective municipal services. Amenities such as excellent recreational programs, adequate open space, attractive shopping opportunities, a diversity of restaurants, and a connected system of roadways, sidewalks, greenways, and bicycle lanes will continue to enhance the quality of life of the Town. These services and amenities will be provided while retaining reasonable tax rates and debt levels.

i-Tree Canopy v7.1

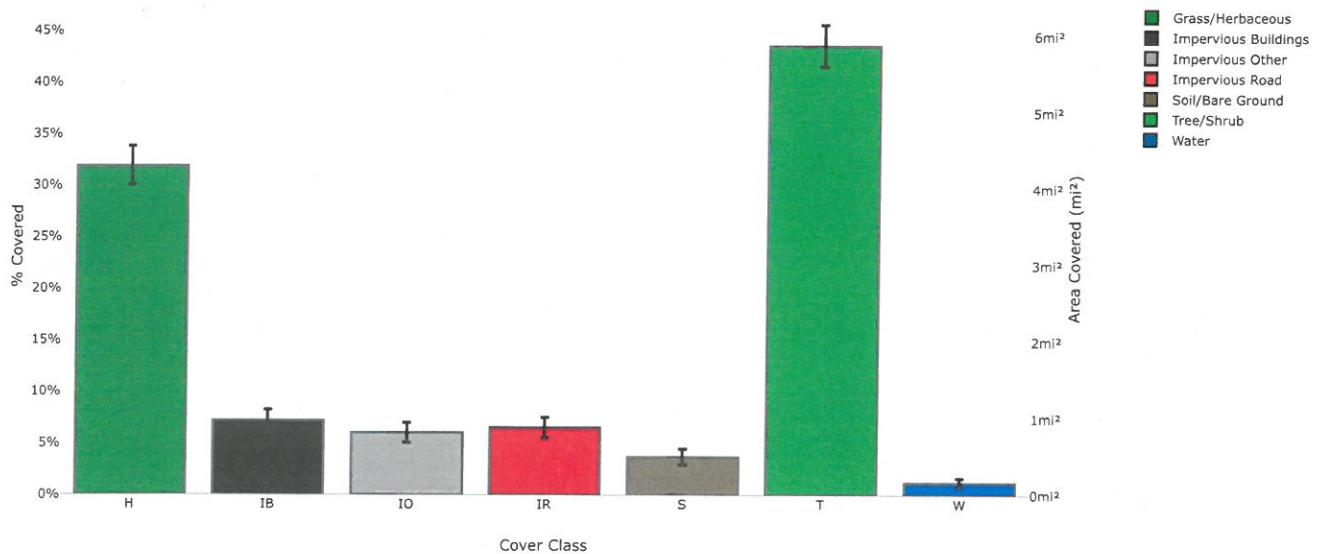
Cover Assessment and Tree Benefits Report

Estimated using random sampling statistics on 2/25/2021



RMap data ©2021

Land Cover



Abbr.	Cover Class	Description	Points	% Cover ± SE	Area (mi ²) ± SE
H	Grass/Herbaceous		191	31.89 ± 1.90	4.31 ± 0.26
IB	Impervious Buildings		43	7.18 ± 1.05	0.97 ± 0.14
IO	Impervious Other		36	6.01 ± 0.97	0.81 ± 0.13
IR	Impervious Road		39	6.51 ± 1.01	0.88 ± 0.14
S	Soil/Bare Ground		22	3.67 ± 0.77	0.50 ± 0.10
T	Tree/Shrub		261	43.57 ± 2.03	5.88 ± 0.27
W	Water		7	1.17 ± 0.44	0.16 ± 0.06
Total			599	100.00	13.50

Tree Benefit Estimates: Carbon (English units)

Description	Carbon (kT)	±SE	CO ₂ Equiv. (kT)	±SE	Value (USD)	±SE
Sequestered annually in trees	5.14	±0.24	18.84	±0.88	\$1,668,309	±77,571
Stored in trees (Note: this benefit is not an annual rate)	129.07	±6.00	473.26	±22.01	\$41,897,502	±1,948,107

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Amount sequestered is based on 0.874 kT of Carbon, or 3.203 kT of CO₂, per mi²/yr and rounded. Amount stored is based on 21.940 kT of Carbon, or 80.446 kT of CO₂, per mi² and rounded. Value (USD) is based on \$324,609.03/kT of Carbon, or \$88,529.74/kT of CO₂ and rounded. (English units: kT = kilotons (1,000 tons), mi² = square miles)

Tree Benefit Estimates: Air Pollution (English units)

Abbr.	Description	Amount (oz)	±SE	Value (USD)	±SE
CO	Carbon Monoxide removed annually	0.08	±0.00	\$0	±0
NO ₂	Nitrogen Dioxide removed annually	1,653,289.27	±76,872.95	\$12,412	±577
O ₃	Ozone removed annually	5,557,400.45	±258,402.30	\$206,085	±9,582
SO ₂	Sulfur Dioxide removed annually	218,220.34	±10,146.59	\$566	±26
PM _{2.5}	Particulate Matter less than 2.5 microns removed annually	281,071.47	±13,068.97	\$344,248	±16,006
PM ₁₀ *	Particulate Matter greater than 2.5 microns and less than 10 microns removed annually	1,122,020.41	±52,170.55	\$1,511,309	±70,271
Total		8,832,002.03	±410,661.36	\$2,074,621	±96,464

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Air Pollution Estimates are based on these values in oz/mi²/yr @ \$/oz/yr and rounded:

CO 0.014 @ \$0.04 | NO₂ 281,032.395 @ \$0.01 | O₃ 944,668.054 @ \$0.04 | SO₂ 37,093.923 @ \$0.00 | PM_{2.5} 47,777.597 @ \$1.22 | PM₁₀* 190,725.295 @ \$1.35 (English units: oz = ounces, mi² = square miles)

Tree Benefit Estimates: Hydrological (English units)

Abbr.	Benefit	Amount (Kgal)	±SE	Value (USD)	±SE
AVRO	Avoided Runoff	64,832.80	±3,014.53	\$537,966	±25,014
E	Evaporation	438,736.36	±20,399.91	N/A	N/A
I	Interception	440,796.70	±20,495.71	N/A	N/A
T	Transpiration	3.45	±0.16	N/A	N/A
PE	Potential Evaporation	2,861,236.73	±133,038.85	N/A	N/A
PET	Potential Evapotranspiration	2,200,000.15	±102,293.35	N/A	N/A

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Hydrological Estimates are based on these values in Kgal/mi²/yr @ \$/Kgal/yr and rounded:

AVRO 11,020.525 @ \$8.30 | E 74,578.074 @ N/A | I 74,928.299 @ N/A | T 0.586 @ N/A | PE 486,363.896 @ N/A | PET 373,964.388 @ N/A (English units: Kgal = thousands of gallons, mi² = square miles)

About i-Tree Canopy

The concept and prototype of this program were developed by David J. Nowak, Jeffery T. Walton, and Eric J. Greenfield (USDA Forest Service). The current version of this program was developed and adapted to i-Tree by David Ellingsworth, Mike Binkley, and Scott Maco (The Davey Tree Expert Company)

Limitations of i-Tree Canopy

The accuracy of the analysis depends upon the ability of the user to correctly classify each point into its correct class. As the number of points increase, the precision of the estimate will increase as the standard error of the estimate will decrease. If too few points are classified, the standard error will be too high to have any real certainty of the estimate.



Additional support provided by:



Use of this tool indicates acceptance of the [EULA](#).



TOWN OF HARRISBURG

Agenda Item Details

Title:

Approve minutes from March 10, 2021 Sustainability Advisory Council meeting

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

1. Harrisburg Sustainability Advisory Board March 10 2021 Minutes_FINAL

Town of Harrisburg, North Carolina
Sustainability Advisory Board Meeting

Wednesday, March 10, 2021

6:30pm

MINUTES

This meeting was held virtually via the Zoom platform due to current COVID-19 restrictions.

1A. CALL TO ORDER

Chair Scott Noel called the meeting to order.

Attendance

Person	Role	Present	Absent
Scott Noel	SAB Chair	X	
Scott Crew	SAB Vice-Chair	X	
Virginia Halter	SAB Secretary	X	
Vince Houston	SAB Member		X
Ken Huster	SAB Member		X
Mark Allen	SAB Member	X	
Tim Morris	SAB Member	X	
Steve Sciascia	Town Mayor	X	
Diamond Staton-Williams	Town Councilmember	X	

1B. AGENDA ADOPTION – Unanimous adoption (5-0)

1C. SPECIAL PRESENTATIONS

1. **Clean Air Carolina (CAC):** June Blotnick, Maria Sharova, and Brian Magi (UNCC professor and CAC Board member)

Exploring adding more air quality monitors are being added to the area – businesses, residences, fire stations, parks, schools, etc.

Current monitor went live in February at Harrisburg Park

Discussing having live feed for monitors on the city website.

Harrisburg has two Title 5 air permits -

<https://us02web.zoom.us/j/86218190373?pwd=ajFIM0JnSFIRcStHZjlybGdJR0MzUT09> (go to the link and click on the dot, tells you everything regarding the permitting, dates, etc)

June to present – clean construction partnership – UNCC, ECU, and Atrium Health

Air pollution effects on people throughout life-time.

NC leading causes of death: Cancer, Heart disease, accidents

Two main pollutants ground level ozone and air particle pollution

AirKeepers – the people across the state who maintain the air monitors

What are we measuring? Particulate matter – PM2.5 – small heavy metal and carbon particles. Purple Air monitors measure particulate matter – this is what we are trying to get through the grant program.

CAC started in CLT. Started in the west end of CLT to address environmental justice.

Scott Noel – Does the landfill at the speedway tend to have higher air pollution? June said they don't currently track specific areas, but are just creating a baseline so far.

Scott Crew – Should we consider putting sensors closer to the speedway and/or other high profile spots instead of just around the Burg.

Brian Magi answers – sensors around the periphery of the township can tell us where we should be concerned about the air coming into the Burg. But air quality can be highly localized based on a variety of factors.

We could borrow an air monitor to use as demonstration for the schools.

1D. PUBLIC COMMENT - No comments

2. CONSENT AGENDA – Motion to approve made by Scott Crew and seconded by Mark All. Motion approved unanimously (5-0).

2A. Approve minutes from February 10, 2021 Sustainability Advisory Council meeting

3. OLD BUSINESS

3A. Quarterly Education Series: Solar in Q1 – March 24 from 7-8pm via Zoom

3B. EV charging stations in Harrisburg Park: Some funds have been approved, but Harrisburg is not among the first wave of approvals. Still more to come and Harrisburg could still receive funds.

3C. Tree planting programs / events:

Mark Allen – tree canopy assessment got completed. – NC Forestry Service will present findings to SAB in April. – Do we want to go the route of being a Tree City?

Trees Charlotte has guaranteed us 100 seedlings to plant in the Burg. Crew believes HES would help us get a tree planting event put together. Pharr Mill Park could use the trees.

Virginia Halter made a motion to pursue opportunity to get 100+ trees from Trees Charlotte and Scott Crew 2nd. (Motion passed unanimously 5-0)

Steve will ask for \$5000 from the city for tree program. Matching funds to come from outside grants.

March 19th is NC Arbor Day

Tabled discussions regarding later in the year.

3D. UDO review and feedback by SAB: Tabled, but more follow up to come as the overall UDO completion timeline has been extended to ~June 2021.

3E. Green Leaf Program (business and residential): Tabled – agreed that the SAB will focus on finalizing this program in Q2 and launching it in Q3 2021.

3F. SAB to Adopt-A-Street: Working to finalize adopting ~3-miles of Rocky River Rd. Tim Morris and Scott Crew have spoken to the NCDOT and it should likely be official soon.

3G. Student ambassadors and Harrisburg schools engagement: Tabled for now. Will pick this back up after April.

3H. Sustainable Promotional Items: Mayor Sciascia shared that Logan Lover is in charge of ordering items for the Town. Scott Noel will connect with Logan on this to work out what's possible and to help the Town3 move toward more sustainably-sourced items.

4. NEW BUSINESS

4A. April 2021 Events and Content: Discussed specifics of our plan and who's on point for which areas: Tree seedling giveaway (Mark Allen);

4B. Adopt-A-Street Program: Already covered in Old Business 3F above.

4C. Adopt-A-Stream Program: Tabled for further discussion/planning; would like to create and launch this program in Q3 2021

4D. Upcoming SAB meeting special guests: Further discussion/planning needed; Considering Linda Thurman (P&R Board Chair) as one option

5. ADVISORY BOARD UPDATES

5A. SAB Revised Bylaws: Reviewed in March 8, 2021 Town Council meeting; Council asked for Town lawyer (Rich Koch) to review them again in detail. Scott Noel will work with Town lawyer and staff to make any necessary edits and resubmit a revised version for the April Town Council meeting.

5B. SAB New Member Recruitment Process (2 open seats): Application window open from March 1 to April 30, 2021 (60 days). One application received to date Bill Leake (refer to packet). Need to create an SAB applicant interview subcommittee. Process: Application open window period; interviews (can take place during application open window); SAB to review and

vote on recommendations to be sent to Town Council for their final review/approval.
Appointments will likely happen in Q3 based on this timing.

5C. Reminder: Submit your SAB member bios: Relevant information you are open to share (e.g. current workplace and role; related SAB experience/skills professional and/or personal; personal interests; how long you have lived in/near Harrisburg, etc.).

6. COUNCIL UPDATES

6A. Updates from Mayor Sciascia and Councilwoman Staton-Williams

No updates (both had to drop prior to the end of this meeting)

7. ADJOURNMENT

Motion to adjourn made by Tim Morris. Seconded by Mark Allen.



TOWN OF HARRISBURG

Agenda Item Details

Title:

Quarterly Education Series: Solar

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

EV charging stations in Harrisburg Park

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

Harrisburg UDO update process

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

Green Leaf Program (business and residential)

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

The Harrisburg SAB officially adopted ~3-miles of Rocky River Road

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

Sustainable promotional items

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

Sustainability Series: April 17, 2021 - Tree giveaway and volunteer events

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None



TOWN OF HARRISBURG

Agenda Item Details

Title:

Utility line easements - Consideration to explore alternatives to spraying chemicals; possibility of grants for plantings

Presenting Personnel:

Suggested Motion or Action:

Description/Background:

Recommendation:

Fiscal Impact:

Attachments:

None