



BERDO UPDATE

September 19, 2022
City Council Meeting

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Implementation Activities

- Work is geared towards CC adoption of a BERDO in February 2023 as requested by CC.
- BERDO Team: weekly meetings of City Sustainability Office, Planning Dept. and NCE members.
- Identified 400 buildings over 20,000 ft², 205 owners. Represents 27% of all Newton's GHG.
- BERDO Discussion Sessions: 5 with 76 attendees. More planned: Sept. 29th, Oct. 25th.
- BERDO website: Newtonma.gov/NewtonBerdo.
- Developed timeline proposal for implementation. When reporting takes effect, when standards take effect for various building types.

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Implementation Activities (continued)

Identified and have had individual meetings with owners interested in joining an Advisory Group. Sept. 22nd meeting of AG.

Coordination with EDC and Chamber of Commerce.

Meetings with NWH.

Coordination with City Law Dept.

Consulting with EPA on Portfolio Manager.

Developed RFP for BERDO consulting services: one year contract with 2 one-year renewal options. Oct. 6th due date.

Data analysis by NCCE, Michael Gevelber and his students at BU.

Discussions with ISO-NE and Eversource on system capacity.

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Next Steps for City Team

Hire consultant: October 2022.

Meetings with Advisory Group: September/October 2022.

Decide on emissions standards and implementation schedule.

Decide whether to include VPPA compliance pathway in the ordinance.

Draft ordinance. Decisions on enforcement and fines and appeals process.

Set up EPA portfolio manager with EPA.

Hold sessions for building owners on topics: accessing utility data, utility incentives, electrification equipment.

BERDO FY 2024 budget.

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Next Steps for City Council

Review draft ordinance when available.

Scheduling of Public Hearings.

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Newton's Non-Residential (NRB) & Residential Buildings (RB): GHG Emissions by Size

<u>NRB by Size (ksqft.)</u>	<u>Number of bldgs.</u>	<u>% of Newton's total emissions</u>
>100	51	14.1%
50 -100	62	4.4%
20 – 50	166	5.9%

Non-Residential Buildings:

- **24.4% of Newton's GHG emissions**
- **~42% of these GHG emissions from electricity** (easy to green)
- 167 unique NRB owners

<u>RB by Size (ksqft.)</u>	<u>Number of bldgs.</u>	<u>% of Newton's total emissions</u>
>100	14	1.5%
50 -100	20	1.0%
20 – 50	86	1.6%

Residential buildings:

- **4.1% of Newton's GHG emissions**
- includes for-profit apts, dorms, senior (independent & assisted), low income
- 45 unique RB owners

*NRB and RB have overlap of owners in both categories (given as 212 above). Total unique owners for both categories is 205.
 **NRB building totals do not include parking garages

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TIMELINE PROPOSAL															
Tier	Bldg Type	Size (kft ²)	# of Buildings	Total Area (Mft ²)	% of Newton's GHG Emissions	# of Unique Owners for Each Category	Calendar Year								
							2023	2024	2025	2026	2027	2028	2029	2030	
1	NRB (Non-Residential Building)	>50	113	13.9	18.5%	65	Collect energy use data	Submit 1st energy and emissions report - Sept.2024		Comply with the first emission standard	Submit 1st emissions compliance report - Sept.2027				
2	NRB	35-50	55	2.3	2.5%	48	Collect energy use data	Submit 1st energy and emissions report - Sept.2024			Comply with the first emission standard	Submit 1st emissions compliance report - Sept.2028			
	RB (Residential Building)	>50	34	3.5	2.5%	18	Collect energy use data	Submit 1st energy and emissions report - Sept.2024			Comply with the first emission standard	Submit 1st emissions compliance report - Sept.2028			
3	NRB	20-35	111	3.0	3.4%	92	Collect energy use data		Submit 1st energy and emissions report - Sept.2025			Comply with the first emission standard	Submit 1st emissions compliance report - Sept.2029		
4	RB	20-50	86	2.3	1.7%	38	Collect energy use data		Submit 1st energy and emissions report - Sept.2025				Comply with the first emission standard	Submit 1st emissions compliance report - Sept.2030	

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City Team

City Climate and Sustainability Office: Bill Ferguson, Ann Berwick, Liora Silkes.

City Planning Dept.: Barney Heath, John Sisson, Zachery LeMel.

NCCE: Halina Brown, Michael Gevelber, Phil Hanser.

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