

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)**

**Fiscal Year 2024 Climate Pollution Reduction Grants Program: Implementation Grants General Competition**

**EPA-R-OAR-CPRGI-23-07**

**New York City Department of Citywide Administrative Services (Coalition Application)  
Brighter Futures: Electrifying NYC's Vital Spaces to Build Resilient Communities**

**Endnotes References used within Workplan\_DCAS:**

- [1] <https://climate.cityofnewyork.us/wp-content/uploads/2023/09/PowerUpNYC.pdf>
- [2] [NYC Greenhouse Gas Inventories - NYC Mayor's Office of Climate and Environmental Justice \(cityofnewyork.us\)](https://www.cityofnewyork.us/climate/nyc-greenhouse-gas-inventories)
- [3] <https://www.eesi.org/papers/view/fact-sheet-climate-environmental-and-health-impacts-of-fossil-fuels-2021>
- [4] <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>
- [5] <https://a816-dohbesp.nyc.gov/IndicatorPublic/data-stories/hia/>
- [7] <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>
- [8] <https://www.nyc.gov/assets/nycha/downloads/pdf/2023-PNA-Report-Physical-Needs-Assessment-NYCHA.pdf>
- [9] <https://www.nyc.gov/assets/omb/downloads/pdf/as10-23.pdf>
- [10] [https://www.nyc.gov/assets/sustainability/downloads/pdf/1point5-AligningNYCwithParisAgrmt%20\(1\).pdf](https://www.nyc.gov/assets/sustainability/downloads/pdf/1point5-AligningNYCwithParisAgrmt%20(1).pdf)
- [11] [https://nyc.gov/assets/nycaccelerator/downloads/pdf/ClimateMobilizationAct\\_Brief.pdf](https://nyc.gov/assets/nycaccelerator/downloads/pdf/ClimateMobilizationAct_Brief.pdf)
- [12] [climate.cityofnewyork.us/wp-content/uploads/2023/06/PlaNYC-2023-Full-Report.pdf](https://climate.cityofnewyork.us/wp-content/uploads/2023/06/PlaNYC-2023-Full-Report.pdf)
- [13] <https://climate.cityofnewyork.us/wp-content/uploads/2023/09/PowerUpNYC.pdf>
- [14] <https://climate.cityofnewyork.us/initiatives/nyc-greenhouse-gas-inventories/>
- [15] [Emissions : Office of the New York City Comptroller Brad Lander \(nyc.gov\)](https://www.nyc.gov/assets/nycha/downloads/pdf/2023-PNA-Report-Physical-Needs-Assessment-NYCHA.pdf)
- [16] [https://www.nyc.gov/assets/dcas/downloads/pdf/energy/reportsandpublication/local\\_law\\_97\\_implementation\\_action\\_plan\\_2021\\_report.pdf](https://www.nyc.gov/assets/dcas/downloads/pdf/energy/reportsandpublication/local_law_97_implementation_action_plan_2021_report.pdf)
- [17] [https://www.nyc.gov/assets/dcas/downloads/pdf/energy/reportsandpublication/local\\_law\\_97\\_implementation\\_action\\_plan\\_2021\\_report.pdf](https://www.nyc.gov/assets/dcas/downloads/pdf/energy/reportsandpublication/local_law_97_implementation_action_plan_2021_report.pdf)
- [18] See Appendix: GHGCalcs\_DCAS
- [19] <https://earthobservatory.nasa.gov/images/152009/an-unequal-air-pollution-burden-at-school>
- [20] <https://doi.org/10.1016/j.envres.2019.108925>
- [21] <https://www.sciencedirect.com/science/article/pii/S0160412022004780#b0060>
- [22] [https://www.nyc.gov/assets/nycha/downloads/pdf/NYCHA\\_Sustainability\\_Agenda.pdf](https://www.nyc.gov/assets/nycha/downloads/pdf/NYCHA_Sustainability_Agenda.pdf)
- [23] <https://www.nyc.gov/assets/nycha/downloads/pdf/NYCHA-LL97-Whitepaper.pdf>
- [24] <https://climate.cityofnewyork.us/initiatives/nyc-greenhouse-gas-inventories/>
- [25] [local law 97 implementation action plan 2021 report.pdf \(nyc.gov\)](https://www.nyc.gov/assets/dcas/downloads/pdf/energy/reportsandpublication/local_law_97_implementation_action_plan_2021_report.pdf)

- [26] <https://homeinspectioninsider.com/how-long-should-a-heat-pump-last/#:~:text=According%20to%20Fischer%20Heating%20and%20Air%2C%20surveys%20and,16%20years%20if%20the%20system%20is%20regularly%20maintained.>
- [27] [Construction cost index U.S., by city | Statista](#)
- [28] [COU - NYC Construction Costs v5 digital distro.pdf \(buildingcongress.com\)](#)
- [29] <https://climate.cityofnewyork.us/initiatives/nyc-greenhouse-gas-inventories/>
- [30] [NYC Environmental Health \(cityofnewyork.us\)](#)
- [31] <https://www.hsph.harvard.edu/c-change/news/natural-gas-used-in-homes/#:~:text=A%20new%20study%20finds%20that%20natural%20gas%20used,health-damaging%20pollutants%20such%20as%20particulate%20matter%20and%20ozone.>
- [32] <https://www.lung.org/clean-air/outdoors/what-makes-air-unhealthy/buildings#:~:text=Emissions%20directly%20released%20include%20sulfur%20dioxide%2C%20nitrogen%20dioxide%2C,of%20heat%2C%20produces%20gases%20known%20to%20cause%20cancer.>
- [33] <https://iopscience.iop.org/article/10.1088/1748-9326/abe74c>
- [34] <https://www.epa.gov/report-environment/indoor-air-quality>
- [35] <https://rmi.org/insight/decarbonizing-homes/>
- [36] Lance Wallace (1996) Indoor Particles: A Review, Journal of the Air & Waste Management Association, 46:2, 98-126, DOI: [10.1080/10473289.1996.10467451](https://doi.org/10.1080/10473289.1996.10467451)
- [37] <https://www.hsph.harvard.edu/c-change/news/natural-gas-used-in-homes/#:~:text=A%20new%20study%20finds%20that%20natural%20gas%20used,health-damaging%20pollutants%20such%20as%20particulate%20matter%20and%20ozone.>
- [38] <https://www.lung.org/clean-air/outdoors/what-makes-air-unhealthy/buildings#:~:text=Emissions%20directly%20released%20include%20sulfur%20dioxide%2C%20nitrogen%20dioxide%2C,of%20heat%2C%20produces%20gases%20known%20to%20cause%20cancer.>
- [39] <https://iopscience.iop.org/article/10.1088/1748-9326/abe74c>
- [40] <https://pubs.acs.org/doi/10.1021/acs.estlett.0c00424>
- [41] <https://www.nyc.gov/assets/doh/downloads/pdf/eode/eode-air-quality-impact.pdf>
- [42] <https://journals.sagepub.com/doi/full/10.1177/22799036231205870#bibr47-22799036231205870>
- [43] <https://journals.sagepub.com/doi/10.1177/22799036231205870>
- [44] <https://journals.sagepub.com/doi/10.1177/22799036231205870>
- [45] Son, J. Y., Fong, K. C., Heo, S., Kim, H., Lim, C. C., & Bell, M. L. (2020). Reductions in mortality resulting from reduced air pollution levels due to COVID-19 mitigation measures. *The Science of the total environment*, 744, 141012. <https://doi.org/10.1016/j.scitotenv.2020.141012>
- [46] <https://edc.nyc/sites/default/files/2024-02/NYCEDC-Green-Economy-Action-Plan-02-28-24.pdf>
- [47] <https://edc.nyc/sites/default/files/2024-03/NYCEDC-Green-Economy-Action-Plan-03-22-2024.pdf>
- [48] <https://www.energystar.gov/products/ask-the-experts/heat-pump-water-heater-right-your-home>
- [49] <https://www.nrel.gov/news/press/2024/benefits-of-heat-pumps-detailed-in-new-nrel-report.html#:~:text=For%20the%2049%20million%20homes,most%20significant%20in%20colder%20climates>