

## GRANT SUMMARY SHEET

**Grant Name:** Air Pollution 103 20-22 Amend. 2

**Department:** HEALTH DEPARTMENT

**Grantor:** US ENVIRONMENTAL PROTECTION AGENCY

**Pass-Through Grantor  
(If applicable):**

**Total Award this Action:** \$97,500.00

**Cash Match** \$0.00

**Department Contact:** Brad Thompson  
340-0407

**Status:** AMENDMENT

**Program Description:**

The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area. Amendment 2 adds an additional \$97,500.00 to the previous total of \$260,000.00 for a new grand total of \$357,500.00 to the Metropolitan Government of Nashville-Davidson County in support of their Section 103 grant towards the ongoing collection of data on ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee. The amendment extends the end date from 3/31/22 to 3/31/24.

**Plan for continuation of services upon grant expiration:**

N/A

B.A. Initials

DS  
RW

Grants Tracking Form

Part One

|  |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
|--|--|--|---|--|---|--|---------------------------|-------------|-----------------------------------|--|--|-------------|---------------------------------|-----------|---|--|--|--|--|
| Pre-Application <input type="radio"/>  |  |  |   |  | Application <input type="radio"/>                                   |  |                           |             |                                   | Award Acceptance <input type="radio"/> |  |             |                                 |           | Contract Amendment <input checked="" type="radio"/> |  |  |  |  |
| Department   |  |  | Dept. No.   |  | Contact   |  |                           |             |                                   |  |  | Phone       |                                 | Fax       |   |  |  |  |  |
| HEALTH DEPARTMENT  |  |  | 038   |  | Brad Thompson   |  |                           |             |                                   |  |  | 340-0407    |                                 |           |   |  |  |  |  |
| Grant Name:  |  |  | Air Pollution 103 20-22 Amend. 2                              |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Grantor:   |  |  | US ENVIRONMENTAL PROTECTION AGENCY                            |  |   |  |                           |             |                                   | Other:                                 |  |             |                                 |           |   |  |  |  |  |
| Grant Period From:   |  |  | 04/01/20  |  | (applications only) Anticipated Application Date:                   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Grant Period To:   |  |  | 03/31/24  |  | (applications only) Application Deadline:                           |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Funding Type:  |  |  | FED DIRECT  |  | Multi-Department Grant <input type="checkbox"/> If yes, list below. |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Pass-Thru:   |  |  |   |  | Outside Consultant Project: <input type="checkbox"/>                |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Award Type:  |  |  | COMPETITIVE   |  | Total Award: \$97,500.00  |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Status:  |  |  | AMENDMENT   |  | Metro Cash Match: \$0.00  |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Metro Category:  |  |  | Est. Prior.   |  | Metro In-Kind Match: \$0.00   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| CFDA #   |  |  | 66.034  |  | Is Council approval required? <input checked="" type="checkbox"/>   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Project Description:   |  |  | Applic. Submitted Electronically? <input type="checkbox"/>    |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area. Amendment 2 adds an additional \$97,500.00 to the previous total of \$260,000.00 for a new grand total of \$357,500.00 to the Metropolitan Government of Nashville-Davidson County in support of their Section 103 grant towards the ongoing collection of data on ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee. The amendment extends the end date from 3/31/22 to 3/31/24. |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Plan for continuation of service after expiration of grant/Budgetary Impact:   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| N/A  |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| How is Match Determined?   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Fixed Amount of \$   |  |  |   |  | or  |  |                           |             | % of Grant                        |  |  |             | Other: <input type="checkbox"/> |           |   |  |  |  |  |
| Explanation for "Other" means of determining match:  |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
|  |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| For this Metro FY, how much of the required local Metro cash match:  |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Is already in department budget?   |  |  |   |  |   |  | Fund                      |             | Business Unit                     |  |  |             |                                 |           |   |  |  |  |  |
| Is not budgeted?   |  |  |   |  |   |  | Proposed Source of Match: |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| (Indicate Match Amount & Source for Remaining Grant Years in Budget Below)   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Other:   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Number of FTEs the grant will fund:  |  |  | 2.00  |  | Actual number of positions added:                                   |  |                           | 0.00        |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Departmental Indirect Cost Rate  |  |  | 22.91%  |  | Indirect Cost of Grant to Metro:                                    |  |                           | \$70,299.18 |                                   |  |  |             |                                 |           |   |  |  |  |  |
| *Indirect Costs allowed?   |  |  | <input checked="" type="radio"/> Yes <input type="radio"/> No |  | % Allow.  |  | 19.45%                    |             | Ind. Cost Requested from Grantor: |  |  | \$69,518.00 |                                 | in budget |   |  |  |  |  |
| *(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Draw down allowable?   |  |  | <input type="checkbox"/>                                      |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |
| Metro or Community-based Partners:   |  |  |   |  |   |  |                           |             |                                   |  |  |             |                                 |           |   |  |  |  |  |

Part Two


| Grant Budget |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
|--------------|----------------------|-----------------|---------------|---------------|------------------|-------------------------|---------------------|-----------------------|------------------------|-----------------------------|
| Budget Year  | Metro Fiscal Year    | Federal Grantor | State Grantor | Other Grantor | Local Match Cash | Match Source (Fund, BU) | Local Match In-Kind | Total Grant Each Year | Indirect Cost to Metro | Ind. Cost Neg. from Grantor |
| Yr 1         | FY22                 | \$357,500.00    | \$0.00        | \$0.00        | \$0.00           |                         | \$0.00              | \$357,500.00          | \$81,903.25            | \$69,518.00                 |
| Yr 2         |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 3         |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 4         |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 5         |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 5         |                      |                 |               |               |                  |                         |                     |                       |                        |                             |
| Total        |                      | \$357,500.00    | \$0.00        | \$0.00        | \$0.00           |                         | \$0.00              | \$357,500.00          | \$81,903.25            | \$69,518.00                 |
|              | Date Awarded:        |                 |               | 04/18/22      | Tot. Awarded:    | \$97,500.00             | Contract#:          | 01D05520-2            |                        |                             |
|              | (or) Date Denied:    |                 |               |               | Reason:          |                         |                     |                       |                        |                             |
|              | (or) Date Withdrawn: |                 |               |               | Reason:          |                         |                     |                       |                        |                             |

Contact: [trinity.weathersby@nashville.gov](mailto:trinity.weathersby@nashville.gov)  
[vaughn.wilson@nashville.gov](mailto:vaughn.wilson@nashville.gov)

GCP RECEIVED 4/19/22

GCP APPROVED 4/21/22

TW

|  |   |   |  |
|--|---|---|--|
|    | <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b><br><br><b>Assistance Amendment</b>  | <b>GRANT NUMBER (FAIN):</b> 01D05520<br><b>MODIFICATION NUMBER:</b> 2<br><b>PROGRAM CODE:</b> PM  | <b>DATE OF AWARD</b><br>03/16/2022               |
|  |   | <b>TYPE OF ACTION</b><br>Augmentation: Increase   | <b>MAILING DATE</b><br>03/23/2022                |
|  |   | <b>PAYMENT METHOD:</b><br>ASAP  | <b>ACH#</b><br>40377                             |
|  |   |   |  |
| <b>RECIPIENT TYPE:</b><br>County   |   | <b>Send Payment Request to:</b><br>Contact EPA RTPFC at: rtpfc-grants@epa.gov   |  |
| <b>RECIPIENT:</b><br>Metropolitan Gov't of Nashville & Davidson County<br>311 23rd Avenue, North<br>Nashville, TN 37203-0000<br><b>EIN:</b> 62-0694743   |   | <b>PAYEE:</b><br>Metropolitan Government of Nashville and Davidson County<br>2500 Charlotte Avenue<br>Nashville, TN 37209-4129  |  |
| <b>PROJECT MANAGER</b><br>John Finke<br>2500 Charlotte Avenue<br>Nashville, TN 37209-4129<br><b>Email:</b> john.finke@nashville.gov<br><b>Phone:</b> 615-340-5653  | <b>EPA PROJECT OFFICER</b><br>Patricia Bullock<br>61 Forsyth Street<br>Atlanta, GA 30303-8960<br><b>Email:</b> bullock.patricia@epa.gov<br><b>Phone:</b> 404-562-9511 | <b>EPA GRANT SPECIALIST</b><br>Leah Vasser<br>Grants and Audit Management Section<br>61 Forsyth Street<br>Atlanta, GA 30303-8960<br><b>Email:</b> vasser.leah@epa.gov<br><b>Phone:</b> 404-562-9742 |  |
| <b>PROJECT TITLE AND EXPLANATION OF CHANGES</b><br>PM2.5 Ambient Air Monitoring Network<br><br>This action approves additional funding in the amount of \$97,500 to the Metropolitan Government of Nashville and Davidson County in support of their ongoing PM2.5 monitoring activities. Activities to be performed include collecting quality assured PM2.5 concentrations and submitting the results to the Environmental Protection Agency's national air quality database. Expected outcomes include increasing knowledge regarding the character and extent of PM2.5 in the ambient air, and the eventual development and execution of the State's implementation plan. Direct beneficiaries of this grant are residents of the State of Tennessee. No subawards are included in this assistance agreement.<br><br>This action also approves an extension of the budget/project period end date from 3/31/22 to 3/31/24.   |   |   |  |
| <b>BUDGET PERIOD</b><br>04/01/2020 - 03/31/2024  | <b>PROJECT PERIOD</b><br>04/01/2020 - 03/31/2024  | <b>TOTAL BUDGET PERIOD COST</b><br>\$520,000.00   | <b>TOTAL PROJECT PERIOD COST</b><br>\$520,000.00 |
| <b>NOTICE OF AWARD</b><br><br>Based on your Application dated 03/07/2022 including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA) hereby awards \$97,500.00. EPA agrees to cost-share 100.00% of all approved budget period costs incurred, up to and not exceeding total federal funding of \$357,500.00. Recipient's signature is not required on this agreement. The recipient demonstrates its commitment to carry out this award by either: 1) drawing down funds within 21 days after the EPA award or amendment mailing date; or 2) not filing a notice of disagreement with the award terms and conditions within 21 days after the EPA award or amendment mailing date. If the recipient disagrees with the terms and conditions specified in this award, the authorized representative of the recipient must furnish a notice of disagreement to the EPA Award Official within 21 days after the EPA award or amendment mailing date. In case of disagreement, and until the disagreement is resolved, the recipient should not draw down on the funds provided by this award/amendment, and any costs incurred by the recipient are at its own risk. This agreement is subject to applicable EPA regulatory and statutory provisions, all terms and conditions of this agreement and any attachments. |   |   |  |
| <b>ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)</b>   |   | <b>AWARD APPROVAL OFFICE</b>  |  |
| <b>ORGANIZATION / ADDRESS</b><br>EPA R4<br>61 Forsyth Street<br>Atlanta, GA 30303-8960   |   | <b>ORGANIZATION / ADDRESS</b><br>U.S. EPA, Region 4, Air and Radiation Division<br>R4 - Region 4<br>61 Forsyth Street<br>Atlanta, GA 30303-8960   |  |
| <b>THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  |   |   |  |
| <b>Digital signature applied by EPA Award Official</b> Sharonita Johnson - Acting Grants Management Officer  |   |   | <b>DATE</b><br>03/16/2022                        |

| FUNDS                         | FORMER AWARD | THIS ACTION | AMENDED TOTAL |
|-------------------------------|--------------|-------------|---------------|
| EPA Amount This Action        | \$260,000    | \$97,500    | \$357,500     |
| EPA In-Kind Amount            | \$0          | \$0         | \$0           |
| Unexpended Prior Year Balance | \$0          | \$0         | \$0           |
| Other Federal Funds           | \$0          | \$0         | \$0           |
| Recipient Contribution        | \$0          | \$0         | \$0           |
| State Contribution            | \$0          | \$0         | \$0           |
| Local Contribution            | \$0          | \$0         | \$0           |
| Other Contribution            | \$0          | \$0         | \$0           |
| Allowable Project Cost        | \$260,000    | \$97,500    | \$357,500     |

| Assistance Program (CFDA)   | Statutory Authority | Regulatory Authority                |
|---|---------------------|-------------------------------------|
| 66.034 - Surveys-Studies-Investigations-Demonstrations and Special Purpose Activities relating to the Clean Air Act | CleanAirAct:Sec.103 | 2 CFR 200, 2 CFR 1500 and 40 CFR 33 |

[illegible]



## Budget Summary Page

| <b>Table A - Object Class Category<br/>(Non-Construction)</b>             | <b>Total Approved Allowable<br/>Budget Period Cost</b> |
|---|--|
| <b>1. Personnel</b>   | \$260,850  |
| <b>2. Fringe Benefits</b>   | \$105,548  |
| <b>3. Travel</b>  | \$10,000   |
| <b>4. Equipment</b>   | \$0  |
| <b>5. Supplies</b>  | \$34,424   |
| <b>6. Contractual</b>   | \$24,200   |
| <b>7. Construction</b>  | \$0  |
| <b>8. Other</b>   | \$15,460   |
| <b>9. Total Direct Charges</b>  | \$450,482  |
| <b>10. Indirect Costs: 12.55 % Base MTDC</b>                              | \$69,518   |
| <b>11. Total (Share: Recipient <u>0.00</u> % Federal <u>100.00</u> %)</b> | \$520,000  |
| <b>12. Total Approved Assistance Amount</b>                               | \$520,000  |
| <b>13. Program Income</b>   | \$0  |
| <b>14. Total EPA Amount Awarded This Action</b>                           | \$97,500   |
| <b>15. Total EPA Amount Awarded To Date</b>                               | \$357,500  |

## **Administrative Conditions**

### **The Following Administrative Terms and Conditions Have Been Revised:**

#### **General Terms and Conditions**

The General Terms and Conditions of this agreement are updated in accordance with the link below. However, these updated conditions apply solely to the funds added with this amendment and any previously awarded funds not yet disbursed by the recipient as of the award date of this amendment. The General Terms and Conditions cited in the original award or prior funded amendments remain in effect for funds disbursed by the recipient prior to the award date of this amendment.

The recipient agrees to comply with the current EPA general terms and conditions available at:  
<https://www.epa.gov/grants/epa-general-terms-and-conditions-effective-october-1-2021-or-later>.

These terms and conditions are binding for disbursements and are in addition to or modify the assurances and certifications made as a part of the award and the terms, conditions, or restrictions cited throughout the award.

The EPA repository for the general terms and conditions by year can be found at:  
<https://www.epa.gov/grants/grant-terms-and-conditions#general>.

**All Other Administrative Terms and Conditions Remain The Same.**

## **Programmatic Conditions**

**All Programmatic Terms and Conditions Remain the Same.**

IN WITNESS WHEREOF, the parties have by their duly authorized representatives set their signatures.

**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

DocuSigned by:

*Gill C Wright III, MD*

0460AC21E1CC408...

Director, Metro Public Health Department

4/18/2022

Date

DocuSigned by:

*Tené Hamilton Franklin*

BEBF0BBF14D14B0...

Chair, Board of Health

4/18/2022

Date

**APPROVED AS TO AVAILABILITY OF FUNDS:**

DocuSigned by:

*Kelly Flannery/mjw*

6237710A9742189...

Director, Department of Finance

4/22/2022

Date

**APPROVED AS TO RISK AND INSURANCE:**

DocuSigned by:

*Balogun Cobb*

68804BF12FD74...

Director of Risk Management Services

4/22/2022

Date

**APPROVED AS TO FORM AND LEGALITY:**

DocuSigned by:

*Nicki Eke*

38FFE661CB45409...

Metropolitan Attorney

4/22/2022

Date

Metropolitan Mayor

Date

**ATTEST:**

Metropolitan Clerk

Date

Resolution No. RS2021-996

A resolution approving amendment one to a grant from the U.S. Environmental Protection Agency to the Metropolitan Government, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee.

WHEREAS, the Metropolitan Government, acting by and through the Metropolitan Board of Health, previously entered into a grant agreement with the U.S. Environmental Protection Agency for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee approved by RS2020-681; and,

WHEREAS, the parties wish to amend that grant agreement to increase the amount of the grant by \$130,000.00 for a new grant total of \$260,000.00 with no cash match required, a copy of which amendment one is attached hereto; and,

WHEREAS, it is to the benefit of the citizens of The Metropolitan Government of Nashville and Davidson County that amendment one be accepted.

NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY:

Section 1. That amendment one to the grant by and between the U.S. Environmental Protection Agency and the Metropolitan Government, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee, a copy of which amendment one is attached hereto and incorporated herein, is hereby approved, and the Metropolitan Mayor is authorized to execute the same.

Section 2. That this resolution shall take effect from and after its adoption, the welfare of The Metropolitan Government of Nashville and Davidson County requiring it.

APPROVED AS TO AVAILABILITY  
OF FUNDS:

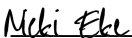
DocuSigned by:

 Kevin Crumbo/mfw

Kevin Crumbo, Director  
Department of Finance

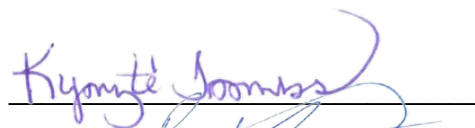

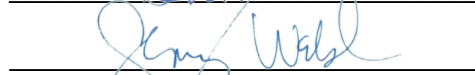
APPROVED AS TO FORM AND  
LEGALITY:

DocuSigned by:


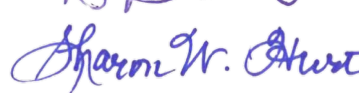
 Neki Elu

Assistant Metropolitan Attorney

INTRODUCED BY:

Member(s) of Council

## GRANT SUMMARY SHEET

|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Grant</b>                | Air Pollution 103 20-22 Amend. 1   |
| <b>Department:</b>          | HEALTH DEPARTMENT                  |
| <b>Grantor:</b>             | US ENVIRONMENTAL PROTECTION AGENCY |
| <b>Pass-Through Grantor</b> |                                    |
| <b>Total Award this</b>     | \$130,000.00                       |
| <b>Cash Match</b>           | \$0.00                             |
| <b>Department</b>           | Brad Thompson<br>340-0407          |
| <b>Status</b>               | AMENDMENT                          |

**Program Description:**

The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area. Amendment 1 adds an additional \$130,000.00 to the previous total of \$130,000.00 for a new grand total of \$260,000.00 to the Metropolitan Government of Nashville-Davidson County in support of their Section 103 grant towards the ongoing collection of data on ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee.

**Plan for continuation of services upon**

N/A

## Grants Tracking Form

## Part One


|   |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
|---|--|--|--|--|--|--|--|--------|--|--|--|-----|--|--|---|--|--|--|--|-----------------------|--|--|--|--|
| Pre-Application <input type="radio"/>   |  |  |  |  | Application <input type="radio"/>                    |  |  |        |  | Award Acceptance <input type="radio"/> |  |     |  |  | Contract Amendment <input checked="" type="radio"/> |  |  |  |  |                       |  |  |  |  |
| Department  |  |  | Dept. No.  |  | Contact  |  |  |        |  | Phone                                  |  | Fax |  |  |   |  |  |  |  |                       |  |  |  |  |
| HEALTH DEPARTMENT   |  |  | 038  |  | Brad Thompson  |  |  |        |  | 340-0407                               |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Grant Name:   |  |  | Air Pollution 103 20-22 Amend. 1                           |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Grantor:  |  |  | US ENVIRONMENTAL PROTECTION AGENCY                         |  |  |  |  | Other: |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Grant Period From:  |  |  | 04/01/20   |  | (applications only) Anticipated Application Date:    |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Grant Period To:  |  |  | 03/31/22   |  | (applications only) Application Deadline:            |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Funding Type:   |  |  | FED DIRECT   |  | Multi-Department Grant <input type="checkbox"/>      |  |  |        |  | If yes, list below.                    |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Pass-Thru:  |  |  |  |  | Outside Consultant Project: <input type="checkbox"/> |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Award Type:   |  |  | COMPETITIVE  |  | Total Award:   |  |  |        |  | \$130,000.00                           |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Status:   |  |  | AMENDMENT  |  | Metro Cash Match:                                    |  |  |        |  | \$0.00                                 |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Metro Category:   |  |  | Est. Prior.  |  | Metro In-Kind Match:                                 |  |  |        |  | \$0.00                                 |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| CFDA #  |  |  | 66.034   |  | Is Council approval required?                        |  |  |        |  | <input checked="" type="checkbox"/>    |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Project Description:  |  |  | Applic. Submitted Electronically? <input type="checkbox"/> |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| <p>The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area. <b>Amendment 1</b> adds an additional \$130,000.00 to the previous total of \$130,000.00 for a new grand total of \$260,000.00 to the Metropolitan Government of Nashville-Davidson County in support of their Section 103 grant towards the ongoing collection of data on ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee.</p> |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Plan for continuation of service after expiration of grant/Budgetary Impact:  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| N/A   |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| How is Match Determined?  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Fixed Amount of \$  |  |  |  |  | or   |  |  |        |  | % of Grant                             |  |     |  |  | Other: <input type="checkbox"/>                     |  |  |  |  |                       |  |  |  |  |
| Explanation for "Other" means of determining match:   |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| For this Metro FY, how much of the required local Metro cash match:   |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Is already in department budget?  |  |  |  |  |  |  |  |        |  | Fund                                   |  |     |  |  | Business Unit                                       |  |  |  |  |                       |  |  |  |  |
| Is not budgeted?  |  |  |  |  |  |  |  |        |  | Proposed Source of Match:              |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| (Indicate Match Amount & Source for Remaining Grant Years in Budget Below)  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Other:  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Number of FTEs the grant will fund:   |  |  |  |  | 2.00   |  |  |        |  | Actual number of positions added:      |  |     |  |  | 0.00  |  |  |  |  |                       |  |  |  |  |
| Departmental Indirect Cost Rate   |  |  |  |  | 22.91%   |  |  |        |  | Indirect Cost of Grant to Metro:       |  |     |  |  | \$70,299.18   |  |  |  |  |                       |  |  |  |  |
| *Indirect Costs allowed? <input checked="" type="radio"/> Yes <input type="radio"/> No  |  |  |  |  | % Allow.   |  |  |        |  | 15.58%                                 |  |     |  |  | Ind. Cost Requested from Grantor:                   |  |  |  |  | \$40,518.00 in budget |  |  |  |  |
| *(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Draw down allowable? <input type="checkbox"/>   |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |
| Metro or Community-based Partners:  |  |  |  |  |  |  |  |        |  |  |  |     |  |  |   |  |  |  |  |                       |  |  |  |  |

## Part Two

| Grant Budget         |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
|----------------------|-------------------|-----------------|---------------|---------------|------------------|-------------------------|---------------------|-----------------------|------------------------|-----------------------------|--|
| Budget Year          | Metro Fiscal Year | Federal Grantor | State Grantor | Other Grantor | Local Match Cash | Match Source (Fund, BU) | Local Match In-Kind | Total Grant Each Year | Indirect Cost to Metro | Ind. Cost Neg. from Grantor |  |
| Yr 1                 | FY22              | \$260,000.00    | \$0.00        | \$0.00        | \$0.00           |                         | \$0.00              | \$260,000.00          | \$70,299.18            | \$40,518.00                 |  |
| Yr 2                 |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
| Yr 3                 |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
| Yr 4                 |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
| Yr 5                 |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
| Yr 5                 |                   |                 |               |               |                  |                         |                     |                       |                        |                             |  |
| Total                |                   | \$260,000.00    | \$0.00        | \$0.00        | \$0.00           |                         | \$0.00              | \$260,000.00          | \$70,299.18            | \$40,518.00                 |  |
| Date Awarded:        |                   | 05/18/21        |               | Tot. Awarded: |                  | \$130,000.00            |                     | Contract#:            |                        | 01D05520-1                  |  |
| (or) Date Denied:    |                   |                 |               | Reason:       |                  |                         |                     |                       |                        |                             |  |
| (or) Date Withdrawn: |                   |                 |               | Reason:       |                  |                         |                     |                       |                        |                             |  |

Contact: [trinity.weathersby@nashville.gov](mailto:trinity.weathersby@nashville.gov)  
[vaughn.wilson@nashville.gov](mailto:vaughn.wilson@nashville.gov)

VW

|  |  |  |  |   |
|--|--|--|--|---|
|    | <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b><br><br><b>Assistance Amendment</b> | <b>GRANT NUMBER (FAIN):</b> 01D05520<br><b>MODIFICATION NUMBER:</b> 1<br><b>PROGRAM CODE:</b> PM   |  | <b>DATE OF AWARD</b><br>04/14/2021  |
|  |  | <b>TYPE OF ACTION</b><br>Augmentation: Increase  |  | <b>MAILING DATE</b><br>04/21/2021   |
|  |  | <b>PAYMENT METHOD:</b><br>ASAP   |  | <b>ACH#</b><br>40377  |
|  |  | <b>RECIPIENT TYPE:</b><br>County   |  |   |
| <b>RECIPIENT:</b><br>TN MetroGovt - Metropolitan Gov't of Nashville & Davidson County<br>311 23rd Avenue, North<br>Nashville, TN 37203-0000<br><b>EIN:</b> 62-0694743  |  | <b>PAYEE:</b><br>Metropolitan Government of Nashville and Davidson County<br>311 23rd Avenue, North<br>Nashville, TN 37203   |  |   |
| <b>PROJECT MANAGER</b><br>John Finke<br>311 23rd Avenue, North<br>Nashville, TN 37203<br><b>E-Mail:</b> john.finke@nashville.gov<br><b>Phone:</b> 615-340-5653   |  | <b>EPA PROJECT OFFICER</b><br>Patricia Bullock<br>61 Forsyth Street<br>Atlanta, GA 30303-8960<br><b>E-Mail:</b> Bullock.Patricia@epa.gov<br><b>Phone:</b> 404-562-9511 |  | <b>EPA GRANT SPECIALIST</b><br>Leah.Y Brown<br>Grants and Audit Management Section<br><b>E-Mail:</b> brown.leah.y@epa.gov<br><b>Phone:</b> 404-562-9742 |
| <b>PROJECT TITLE AND EXPLANATION OF CHANGES</b><br>PM 2.5 Ambient Air Monitoring Network<br><br>This action approves an award in the amount of \$130,000 to the Metropolitan Government of Nashville-Davidson County in support of their Section 103 grant towards the ongoing collection of data on ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee.  |  |  |  |   |
| <b>BUDGET PERIOD</b><br>04/01/2020 - 03/31/2022  | <b>PROJECT PERIOD</b><br>04/01/2020 - 03/31/2022                               | <b>TOTAL BUDGET PERIOD COST</b><br>\$260,000.00  | <b>TOTAL PROJECT PERIOD COST</b><br>\$260,000.00 |   |
| <b>NOTICE OF AWARD</b><br><br>Based on your Application dated 01/30/2020 including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA) hereby awards \$130,000 EPA agrees to cost-share 100.00 of all approved budget period costs incurred, up to and not exceeding total federal funding of \$260,000.00. Recipient's signature is not required on this agreement. The recipient demonstrates its commitment to carry out this award by either: 1) drawing down funds within 21 days after the EPA award or amendment mailing date; or 2) not filing a notice of disagreement with the award terms and conditions within 21 days after the EPA award or amendment mailing date. If the recipient disagrees with the terms and conditions specified in this award, the authorized representative of the recipient must furnish a notice of disagreement to the EPA Award Official within 21 days after the EPA award or amendment mailing date. In case of disagreement, and until the disagreement is resolved, the recipient should not draw down on the funds provided by this award/amendment, and any costs incurred by the recipient are at its own risk. This agreement is subject to applicable EPA regulatory and statutory provisions, all terms and conditions of this agreement and any attachments. |  |  |  |   |
| <b>ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)</b>   |  | <b>AWARD APPROVAL OFFICE</b>   |  |   |
| <b>ORGANIZATION / ADDRESS</b><br><br>61 Forsyth Street<br>Atlanta, GA 30303-8960   |  | <b>ORGANIZATION / ADDRESS</b><br><br>EPA R4, Air and Radiation Division<br>R4 - Region 4<br>61 Forsyth Street<br>Atlanta, GA 30303-8960                                |  |   |
| <b>THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  |  |  |  |   |
| <b>Digital signature applied by EPA Award Official</b> Keva R. Lloyd - Grants Management Officer   |  |  |  | <b>DATE</b><br>04/14/2021   |

## EPA Funding Information

| FUNDS                         | FORMER AWARD | THIS ACTION | AMENDED TOTAL |
|-------------------------------|--------------|-------------|---------------|
| EPA Amount This Action        | \$130,000    | \$130,000   | \$260,000     |
| EPA In-Kind Amount            | \$0          | \$0         | \$0           |
| Unexpended Prior Year Balance | \$0          | \$0         | \$0           |
| Other Federal Funds           | \$0          | \$0         | \$0           |
| Recipient Contribution        | \$0          | \$0         | \$0           |
| State Contribution            | \$0          | \$0         | \$0           |
| Local Contribution            | \$0          | \$0         | \$0           |
| Other Contribution            | \$0          | \$0         | \$0           |
| Allowable Project Cost        | \$130,000    | \$130,000   | \$260,000     |

| Assistance Program (CFDA)   | Statutory Authority     | Regulatory Authority                |
|---|-------------------------|-------------------------------------|
| 66.034 - Surveys-Studies-Investigations-Demonstrations and Special Purpose Activities relating to the Clean Air Act | Clean Air Act: Sec. 103 | 2 CFR 200, 2 CFR 1500 and 40 CFR 33 |

[illegible]



## Budget Summary Page

| Table A - Object Class Category<br>(Non-Construction)              | Total Approved Allowable<br>Budget Period Cost |
|--|--|
| 1. Personnel   | \$119,080                                      |
| 2. Fringe Benefits   | \$57,778                                       |
| 3. Travel  | \$10,000                                       |
| 4. Equipment   | \$0  |
| 5. Supplies  | \$26,424                                       |
| 6. Contractual   | \$6,200  |
| 7. Construction  | \$0  |
| 8. Other   | \$0  |
| 9. Total Direct Charges  | \$219,482                                      |
| 10. Indirect Costs: 22.91 % Base                                   | \$40,518                                       |
| 11. Total (Share: Recipient <u>0.00</u> % Federal <u>100.00</u> %) | \$260,000                                      |
| 12. Total Approved Assistance Amount                               | \$260,000                                      |
| 13. Program Income   | \$0  |
| 14. Total EPA Amount Awarded This Action                           | \$130,000                                      |
| 15. Total EPA Amount Awarded To Date                               | \$260,000                                      |

## **Administrative Conditions**

### **The Following Administrative Terms and Conditions Have Been Revised:**

#### **General Terms and Conditions**

The General Terms and Conditions of this agreement are updated in accordance with the link below. However, these updated conditions apply solely to the funds added with this amendment and any previously awarded funds not yet disbursed by the recipient as of the award date of this amendment. The General Terms and Conditions cited in the original award or prior funded amendments remain in effect for funds disbursed by the recipient prior to the award date of this amendment.

The recipient agrees to comply with the current EPA general terms and conditions available at: <https://www.epa.gov/grants/epa-general-terms-and-conditions-effective-november-12-2020-or-later>.

These terms and conditions are binding for disbursements and are in addition to or modify the assurances and certifications made as a part of the award and the terms, conditions, or restrictions cited throughout the award.

The EPA repository for the general terms and conditions by year can be found at: <https://www.epa.gov/grants/grant-terms-and-conditions#general>.

#### **A. Correspondence Condition**

The terms and conditions of this agreement require the submittal of reports, specific requests for approval, or notifications to EPA. Unless otherwise noted, all such correspondence should be sent to the following email addresses:

- Federal Financial Reports (SF-425): [rtpfc-grants@epa.gov](mailto:rtpfc-grants@epa.gov)
- MBE/WBE reports (EPA Form 5700-52A): [R4epagrantsmbewbereporting@epa.gov](mailto:R4epagrantsmbewbereporting@epa.gov) and [brown.leah.y@epa.gov](mailto:brown.leah.y@epa.gov)
- All other forms/certifications/assurances, Indirect Cost Rate Agreements, Requests for Extensions of the Budget and Project Period, Amendment Requests, Requests for other Prior Approvals, updates to recipient information (including email addresses, changes in contact information or changes in authorized representatives) and other notifications:

Leah Brown Vasser, Grants Management Specialist, [brown.leah.y@epa.gov](mailto:brown.leah.y@epa.gov), (404)562-9742

Patricia Bullock, Project Officer, [bullock.patricia@epa.gov](mailto:bullock.patricia@epa.gov), (404)562-9511

- Payment requests (if applicable):

Patricia Bullock, Project Officer, [bullock.patricia@epa.gov](mailto:bullock.patricia@epa.gov), (404)562-9511

- Quality Assurance documents, workplan revisions, equipment lists, programmatic reports and deliverables:

Patricia Bullock, Project Officer, bullock.patricia@epa.gov, (404)562-9511

**All Other Administrative Terms and Conditions Remain Valid.**

## **Programmatic Conditions**

### **The Following Programmatic Term and Condition Has Been Added:**

#### **I. Quality Management Plan (QMP) Term and Condition**

In accordance with 2 CFR 1500.11, the recipient shall continue to implement and adhere to the Quality Management Plan (QMP) submitted to EPA. The QMP should be updated every 5 years or as necessary based on the EPA QA/R-2: EPA Requirements for Quality Management Plans. This quality assurance requirement applies to all grants, cooperative agreements, contracts and interagency agreements that involve the use of environmental data.

If not included under the approved QMP, a stand-alone Quality Assurance Project Plan (QAPP) is required for those projects/activities that result in the collection, production and/or use of environmental information, metrics or data. The recipient agrees to ensure that an approved site specific QAPP is completed for each project. No environmental data collection, production, or use may occur until the QAPP is reviewed and approved by the EPA Technical Project Officer and Quality Assurance Regional Manager or through an authorized delegation under an EPA approved recipient QMP based on procedures documented in the QMP. A copy of the approved QAPPs must be retained with the recipient's official records for this agreement.

**All Other Programmatic Terms and Conditions Remain Valid.**

**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

**Resolution No. RS2020-681**

A resolution accepting a grant from the U. S. Environmental Protection Agency to The Metropolitan Government of Nashville and Davidson County, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee.

WHEREAS, the U. S. Environmental Protection Agency has awarded a grant in an amount not to exceed \$130,000.00 with no cash match required to The Metropolitan Government of Nashville and Davidson County, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee; and,

WHEREAS, it is to the benefit of the citizens of The Metropolitan Government of Nashville and Davidson County that this grant be accepted; and,

NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY:

Section 1. That the grant by and between the U. S. Environmental Protection Agency, in an amount not to exceed \$130,000.00, to The Metropolitan Government of Nashville and Davidson County, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee, a copy of which grant is attached hereto and incorporated herein, is hereby approved.

Section 2. That the amount of this grant is to be appropriated to the Department of Health based on revenues estimated to be received and any match to be applied.

Section 3. That this resolution shall take effect from and after its adoption, the welfare of The Metropolitan Government of Nashville and Davidson County requiring it.

**APPROVED AS TO AVAILABILITY  
OF FUNDS:**

DocuSigned by:

Kevin Crumbo/Ho  
Kevin Crumbo, Director  
Department of Finance

**APPROVED AS TO FORM AND  
LEGALITY:**

DocuSigned by:

Niki Elk  
Assistant Metropolitan Attorney

**INTRODUCED BY:**

Kyonte Jones  
Burt  
Long Wild  
Member(s) of Council

TP  
Sharon W. Hurst  
Jay L. Styer  
Zulfat Suara

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## GRANT SUMMARY SHEET

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**Grant Name:** Air Pollution 103 20-22

**Department:** HEALTH DEPARTMENT

**Grantor:** US ENVIRONMENTAL PROTECTION AGENCY

**Pass-Through Grantor  
(If applicable):**

**Total Award this Action:** \$130,000.00

**Cash Match Amount** \$0.00

**Department Contact:** Brad Thompson  
340-0407

**Status:** CONTINUATION

**Program Description:**

The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area.

**Plan for continuation of services upon grant expiration:**

N/A

## Grants Tracking Form

## Part One

|  |  |   |                                     |                                 |
|--|--|---|-------------------------------------|---------------------------------|
| <b>Pre-Application</b> <input type="radio"/> <b>Application</b> <input type="radio"/> <b>Award Acceptance</b> <input checked="" type="radio"/> <b>Contract Amendment</b> <input type="radio"/> |  |   |                                     |                                 |
| Department   | Dept. No.  | Contact   | Phone                               | Fax                             |
| HEALTH DEPARTMENT  | 038  | Brad Thompson                                     | 340-0407                            |                                 |
| Grant Name:  | Air Pollution 103 20-22                                    |   |                                     |                                 |
| Grantor:   | US ENVIRONMENTAL PROTECTION AGENCY                         |   |                                     |                                 |
| Grant Period From:   | 04/01/20   | (applications only) Anticipated Application Date: |                                     |                                 |
| Grant Period To:   | 03/31/22   | (applications only) Application Deadline:         |                                     |                                 |
| Funding Type:  | FED DIRECT   | Multi-Department Grant                            | <input type="checkbox"/>            | If yes, list below.             |
| Pass-Thru:   |  | Outside Consultant Project:                       | <input type="checkbox"/>            |                                 |
| Award Type:  | COMPETITIVE  | Total Award:                                      | \$130,000.00                        |                                 |
| Status:  | CONTINUATION   | Metro Cash Match:                                 | \$0.00                              |                                 |
| Metro Category:  | Est. Prior.  | Metro In-Kind Match:                              | \$0.00                              |                                 |
| CFDA #   | 66.034   | Is Council approval required?                     | <input checked="" type="checkbox"/> |                                 |
| Project Description:   | Applic. Submitted Electronically? <input type="checkbox"/> |   |                                     |                                 |
| The EPA will provide funding for the MPHD Air Pollution Control Division to support activities associated with the PM 2.5 monitoring in the Middle Tennessee area.                             |  |   |                                     |                                 |
| Plan for continuation of service after expiration of grant/Budgetary Impact:   |  |   |                                     |                                 |
| N/A  |  |   |                                     |                                 |
| How is Match Determined?   |  |   |                                     |                                 |
| Fixed Amount of \$   |  | or  | % of Grant                          | Other: <input type="checkbox"/> |
| Explanation for "Other" means of determining match:  |  |   |                                     |                                 |
| For this Metro FY, how much of the required local Metro cash match:  |  |   |                                     |                                 |
| Is already in department budget?   |  | Fund  | Business Unit                       |                                 |
| Is not budgeted?   |  | Proposed Source of Match:                         |                                     |                                 |
| (Indicate Match Amount & Source for Remaining Grant Years in Budget Below)   |  |   |                                     |                                 |
| Other:   |  |   |                                     |                                 |
| Number of FTEs the grant will fund:  | 2.00   | Actual number of positions added:                 | 0.00                                |                                 |
| Departmental Indirect Cost Rate  | 22.91%   | Indirect Cost of Grant to Metro:                  | \$29,781.18                         |                                 |
| *Indirect Costs allowed? <input checked="" type="radio"/> Yes <input type="radio"/> No   | % Allow.   | Ind. Cost Requested from Grantor:                 | \$20,254.00                         | in budget                       |
| *(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)   |  |   |                                     |                                 |
| Draw down allowable?   | <input type="checkbox"/>                                   |   |                                     |                                 |
| Metro or Community-based Partners:   |  |   |                                     |                                 |

## Part Two

| Grant Budget         |                   |                 |               |               |                  |                         |                     |                       |                        |                             |
|----------------------|-------------------|-----------------|---------------|---------------|------------------|-------------------------|---------------------|-----------------------|------------------------|-----------------------------|
| Budget Year          | Metro Fiscal Year | Federal Grantor | State Grantor | Other Grantor | Local Match Cash | Match Source (Fund, BU) | Local Match In-Kind | Total Grant Each Year | Indirect Cost to Metro | Ind. Cost Neg. from Grantor |
| Yr 1                 | FY21              | \$130,000.00    | \$0.00        | \$0.00        | \$0.00           | \$0.00                  | \$0.00              | \$130,000.00          | \$29,781.18            | \$20,254.00                 |
| Yr 2                 | FY22              | \$0.00          | \$0.00        | \$0.00        | \$0.00           | \$0.00                  | \$0.00              | \$0.00                | \$0.00                 | \$0.00                      |
| Yr 3                 | FY                | \$0.00          | \$0.00        | \$0.00        | \$0.00           | \$0.00                  | \$0.00              | \$0.00                | \$0.00                 | \$0.00                      |
| Yr 4                 | FY                |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 5                 | FY                |                 |               |               |                  |                         |                     |                       |                        |                             |
| Yr 5                 | FY                |                 |               |               |                  |                         |                     |                       |                        |                             |
| Total                |                   | \$130,000.00    | \$0.00        | \$0.00        | \$0.00           |                         | \$0.00              | \$130,000.00          | \$29,781.18            | \$20,254.00                 |
| Date Awarded:        |                   | 11/14/20        |               | Tot. Awarded: |                  | \$130,000.00            |                     | Contract#:            |                        | 01D05520                    |
| (or) Date Denied:    |                   |                 |               | Reason:       |                  |                         |                     |                       |                        |                             |
| (or) Date Withdrawn: |                   |                 |               | Reason:       |                  |                         |                     |                       |                        |                             |

Contact: [trinity.weathersby@nashville.gov](mailto:trinity.weathersby@nashville.gov)  
[vaughn.wilson@nashville.gov](mailto:vaughn.wilson@nashville.gov)

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|  |   |  |  |  |                                   |
|--|---|--|--|--|-----------------------------------|
|    | <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b><br><br><b>Cooperative Agreement</b> |  | <b>GRANT NUMBER (FAIN):</b> 01D05520   | <b>DATE OF AWARD</b><br>03/18/2020   |                                   |
|  |   |  | <b>MODIFICATION NUMBER:</b> 0<br><b>PROGRAM CODE:</b> PM   |  |                                   |
|  |   |  | <b>TYPE OF ACTION</b><br>New   |  | <b>MAILING DATE</b><br>03/25/2020 |
|  |   |  | <b>PAYMENT METHOD:</b><br>ASAP   |  | <b>ACH#</b><br>40377              |
| <b>RECIPIENT TYPE:</b><br>County   |   |  | <b>Send Payment Request to:</b><br>Research Triangle Park Finance Center                                       |  |                                   |
| <b>RECIPIENT:</b><br>Metropolitan Gov't of Nashville & Davidson County<br>311 23rd Ave., N.<br>Nashville, TN 37203<br><b>EIN:</b> 62-0694743   |   |  | <b>PAYEE:</b><br>Metropolitan Gov't of Nashville & Davidson County<br>311 23rd Ave., N.<br>Nashville, TN 37203 |  |                                   |
| <b>PROJECT MANAGER</b>   |   | <b>EPA PROJECT OFFICER</b>   |  | <b>EPA GRANT SPECIALIST</b>  |                                   |
| John Finke<br>311 23rd Ave., N.<br>Nashville, TN 37203<br><b>E-Mail:</b> john.finke@nashville.gov<br><b>Phone:</b> 615 340-5653  |   | Gwendolyn Graf<br>61 Forsyth Street<br>Atlanta, GA 30303-8960<br><b>E-Mail:</b> graf.gwendolyn@epa.gov<br><b>Phone:</b> 404-562-9289 |  | Kenny Richardson<br>Grants and Audit Management Section<br><b>E-Mail:</b> richardson.kenny@epa.gov<br><b>Phone:</b> 404-562-9021 |                                   |
| <b>PROJECT TITLE AND DESCRIPTION</b><br>PM 2.5 Ambient Air Monitoring Network<br><br>This action approves an award in the amount of \$130,000 to support compliance with the Metropolitan Government of Nashville-Davidson County's Department of Air Quality Management's National Ambient Air Quality Standards by continuing the ongoing collection of data on the ambient air concentrations of fine particulate matter throughout Davidson County, Tennessee.   |   |  |  |  |                                   |
| <b>BUDGET PERIOD</b><br>04/01/2020 - 03/31/2022  |   | <b>PROJECT PERIOD</b><br>04/01/2020 - 03/31/2022   |  | <b>TOTAL BUDGET PERIOD COST</b><br>\$260,000.00  |                                   |
|  |   |  |  | <b>TOTAL PROJECT PERIOD COST</b><br>\$260,000.00   |                                   |
| <b>NOTICE OF AWARD</b>   |   |  |  |  |                                   |
| Based on your Application dated 01/30/2020 including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA) hereby awards \$130,000. EPA agrees to cost-share <u>100.00%</u> of all approved budget period costs incurred, up to and not exceeding total federal funding of \$130,000. Recipient's signature is not required on this agreement. The recipient demonstrates its commitment to carry out this award by either: 1) drawing down funds within 21 days after the EPA award or amendment mailing date; or 2) not filing a notice of disagreement with the award terms and conditions within 21 days after the EPA award or amendment mailing date. If the recipient disagrees with the terms and conditions specified in this award, the authorized representative of the recipient must furnish a notice of disagreement to the EPA Award Official within 21 days after the EPA award or amendment mailing date. In case of disagreement, and until the disagreement is resolved, the recipient should not draw down on the funds provided by this award/amendment, and any costs incurred by the recipient are at its own risk. This agreement is subject to applicable EPA regulatory and statutory provisions, all terms and conditions of this agreement and any attachments. |   |  |  |  |                                   |
| <b>ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)</b>   |   |  | <b>AWARD APPROVAL OFFICE</b>   |  |                                   |
| <b>ORGANIZATION / ADDRESS</b>  |   |  | <b>ORGANIZATION / ADDRESS</b>  |  |                                   |
| 61 Forsyth Street<br>Atlanta, GA 30303-8960  |   |  | U.S. EPA, Region 4<br>Air and Radiation Division<br>61 Forsyth Street<br>Atlanta, GA 30303-8960                |  |                                   |
| <b>THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  |   |  |  |  |                                   |
| <b>Digital signature applied by EPA Award Official</b> Keva R. Lloyd - Grants Management Officer   |   |  |  | <b>DATE</b><br>03/18/2020  |                                   |



## Budget Summary Page

| <b>Table A - Object Class Category<br/>(Non-construction)</b>              | <b>Total Approved Allowable<br/>Budget Period Cost</b> |
|--|--|
| <b>1. Personnel</b>  | \$119,080  |
| <b>2. Fringe Benefits</b>  | \$57,778   |
| <b>3. Travel</b>   | \$10,000   |
| <b>4. Equipment</b>  | \$0  |
| <b>5. Supplies</b>   | \$26,424   |
| <b>6. Contractual</b>  | \$6,200  |
| <b>7. Construction</b>   | \$0  |
| <b>8. Other</b>  | \$0  |
| <b>9. Total Direct Charges</b>   | \$219,482  |
| <b>10. Indirect Costs: <u>22.91%</u> Base <u>Salary/Fringe</u></b>         | \$40,518   |
| <b>11. Total (Share: Recipient <u>0.00 %</u> Federal <u>100.00 %</u>.)</b> | \$260,000  |
| <b>12. Total Approved Assistance Amount</b>                                | \$260,000  |
| <b>13. Program Income</b>  | \$0  |
| <b>14. Total EPA Amount Awarded This Action</b>                            | \$130,000  |
| <b>15. Total EPA Amount Awarded To Date</b>                                | \$130,000  |

## **Administrative Conditions**

### **GENERAL TERMS AND CONDITIONS**

The recipient agrees to comply with the current EPA general terms and conditions available at:

<https://www.epa.gov/grants/epa-general-terms-and-conditions-effective-october-1-2019-or-later>

These terms and conditions are in addition to the assurances and certifications made as a part of the award and the terms, conditions, or restrictions cited throughout the award.

The EPA repository for the general terms and conditions by year can be found at:

<https://www.epa.gov/grants/grant-terms-and-conditions>.

**The applicable terms and conditions below are in addition to the general terms and conditions noted above:**

### **GRANT-SPECIFIC ADMINISTRATIVE CONDITIONS**

#### **A. Correspondence Condition**

The terms and conditions of this agreement require the submittal of reports, specific requests for approval, or notifications to EPA. Unless otherwise noted, all such correspondence should be sent to the following email addresses:

- Federal Financial Reports (SF-425): [rtpfc-grants@epa.gov](mailto:rtpfc-grants@epa.gov)
- MBE/WBE reports (EPA Form 5700-52A): [R4epagrantsmbewbereporting@epa.gov](mailto:R4epagrantsmbewbereporting@epa.gov)  
[richardson.kenny@epa.gov](mailto:richardson.kenny@epa.gov)
- All other forms/certifications/assurances, Indirect Cost Rate Agreements, Requests for Extensions of the Budget and Project Period, Amendment Requests, Requests for other Prior Approvals, updates to recipient information (including email addresses, changes in contact information or changes in authorized representatives) and other notifications:  
  
Kenny L. Richardson / Grants Management Specialist  
[richardson.kenny@epa.gov](mailto:richardson.kenny@epa.gov)  
404-562-9021  
  
Gwendolyn Graf / Project Officer  
[graf.gwendolyn@epa.gov](mailto:graf.gwendolyn@epa.gov)  
404-562-9289
- Payment requests (if applicable):  
Gwendolyn Graf / Project Officer  
[graf.gwendolyn@epa.gov](mailto:graf.gwendolyn@epa.gov)  
404-562-9289
- Quality Assurance documents, workplan revisions, equipment lists, programmatic reports and deliverables:  
Gwendolyn Graf / Project Officer  
[graf.gwendolyn@epa.gov](mailto:graf.gwendolyn@epa.gov)  
404-562-9289

## **B. Extension of Project/Budget Period Expiration Date**

EPA has not exercised the waiver option to allow automatic one-time extensions for non-research grants under 2 CFR 200.308 (d)(2). Therefore, if a no-cost time extension is necessary to extend the period of availability of funds the recipient must submit a written request to the EPA prior to the budget/project period expiration dates. **The written request must include:** a justification describing the need for additional time, an estimated date of completion, and a revised schedule for project completion including updated milestone target dates for the approved workplan activities. In addition, if there are overdue reports required by the general, administrative, and/or programmatic terms and conditions of this assistance agreement, the recipient must ensure that they are submitted along with or prior to submitting the no-cost time extension request.

## **C. Disadvantaged Business Enterprise**

### **UTILIZATION OF SMALL, MINORITY AND WOMEN'S BUSINESS ENTERPRISES**

#### **GENERAL COMPLIANCE, 40 CFR, Part 33**

The recipient agrees to comply with the requirements of EPA's Disadvantaged Business Enterprise (DBE) Program for procurement activities under assistance agreements, contained in 40 CFR, Part 33 except as described below based upon the associated class deviation.

#### **EPA MBE/WBE CERTIFICATION, 40 CFR, Part 33, Subpart B**

A class exception to the following provisions of Subpart B of 40 CFR Part 33 has been issued suspending the EPA MBE/WBE certification program: §33.204(a)(3) providing that an entity may apply to EPA MBE or WBE certification after unsuccessfully attempting to obtain certification as otherwise described in §33.204; and §33.205 through and including §33.211. The class exception was authorized pursuant to the authority in 2 CFR 1500.3(b).

#### **SIX GOOD FAITH EFFORTS, 40 CFR, Part 33, Subpart C**

Pursuant to 40 CFR, Section 33.301, the recipient agrees to make the following good faith efforts whenever procuring construction, equipment, services and supplies under an EPA financial assistance agreement, and to require that sub-recipients, loan recipients, and prime contractors also comply. Records documenting compliance with the six good faith efforts shall be retained:

- (a) Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
- (b) Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
- (c) Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
- (d) Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
- (e) Use the services and assistance of the SBA and the Minority Business Development Agency of the

Department of Commerce.

(f) If the prime contractor awards subcontracts, require the prime contractor to take the steps in paragraphs (a) through (e) of this section.

**CONTRACT ADMINISTRATION PROVISIONS, 40 CFR, Section 33.302**

The recipient agrees to comply with the contract administration provisions of 40 CFR, Section 33.302 (a)-(d) and (i).

**BIDDERS LIST, 40 CFR, Section 33.501(b) and (c)**

Recipients of a Continuing Environmental Program Grant or other annual reporting grant, agree to create and maintain a bidders list. Recipients of an EPA financial assistance agreement to capitalize a revolving loan fund also agree to require entities receiving identified loans to create and maintain a bidders list if the recipient of the loan is subject to, or chooses to follow, competitive bidding requirements. Please see 40 CFR, Section 33.501 (b) and (c) for specific requirements and exemptions.

**FAIR SHARE OBJECTIVES, 40 CFR, Part 33, Subpart D**

A class exception to the entire Subpart D of 40 CFR Part 33 has been authorized pursuant to the authority in 2 CFR 1500.3(b). Notwithstanding Subpart D of 40 CFR Part 33, recipients are not required to negotiate or apply fair share objectives in procurements under assistance agreements.

**MBE/WBE REPORTING- SPECIFIC CHANGES PURSUANT TO CLASS DEVIATION, 40 CFR, Part 33, Subpart E**

When required, the recipient agrees to complete and submit a “MBE/WBE Utilization Under Federal Grants and Cooperative Agreements” report (EPA Form 5700-52A) on an annual basis. The current EPA Form 5700-52A can be found at the EPA Grantee Forms Page at <https://www.epa.gov/grants/epa-grantee-forms>.

Reporting is required for assistance agreements where funds are budgeted for procuring construction, equipment, services and supplies (including funds budgeted for direct procurement by the recipient or procurement under subawards or loans in the “Other” category) with a cumulative total that exceed the threshold amount of \$250,000, including amendments and/or modifications. When reporting is required, all procurement actions are reportable, not just that portion which exceeds \$250,000.

**MBE/WBE reports should be sent to:**

**To: [R4epagrantsmbewbereporting@epa.gov](mailto:R4epagrantsmbewbereporting@epa.gov)**

**and**

**Cc: [richardson.kenny@epa.gov](mailto:richardson.kenny@epa.gov)**

Annual reports are due by October 30th of each year. Final reports are due by October 30th or 90 days after the end of the project period, whichever comes first.

This provision represents an approved deviation from the MBE/WBE reporting requirements as described in 40 CFR, Part 33, Section 33.305.

**Programmatic Conditions**

**A. Performance Reporting:**

In accordance with 2 CFR §200.328 (b)(1-2)(i-iii), the recipient agrees to submit an annual performance report that includes brief information on each of the following areas: a) a comparison of actual accomplishments to the outputs/outcomes established in the assistance agreement work plan for the period.; b) the reasons for slippage if established outputs/outcomes were not met; and c) additional pertinent information, including when appropriate, analysis and information of cost overruns or high unit costs. The annual performance report will cover the time period beginning January 1 through December 31 of each year. The report is due annually by March 31.

**B. Air Quality Index Forecasting:**

As resources permit, the grantee agrees to participate in Air Quality Index forecasting for those areas with continuous PM2.5 monitoring and report all continuous PM2.5 data to AQS and to the PM2.5 mapping program.

**C. EPA Involvement in Cooperative Agreement (Substantial Involvement):**

EPA's role in the Agreement will include the review and approval of the grantee's PM 2.5 annual monitoring network plan.

**D. Problems, Delays or Adverse Conditions:**

In accordance with 2 CFR §200.328(d)(1), the recipient agrees to inform EPA as soon as problems, delays or adverse conditions become known which materially impair the ability to meet the outputs/outcomes in the assistance agreement workplan.

**E. Quality Assurance:**

The grantee agrees to review and update quality assurance project plans and standard operating procedures in accordance with 2 CFR §1500.11 and EPA Region 4 policies. No work involving direct measurements or data generation, environmental modeling, compilation of data from literature or electronic media, and data supporting the design, construction, and operation of environmental technology shall be initiated under this project until the EPA Project Officer, in concert with the EPA Quality Assurance Manager, has approved the quality assurance documentation. A quality assurance project plan (QAPP) must be developed by the grantee before environmental activities/monitoring begins. After a QAPP is approved it is verifiable throughout the life of the project. This policy is in accordance with the national guidelines for quality assurance from the Office of Environmental Information (OEI). For more information on quality assurance requirements, go to <http://www.epa.gov/quality/>.

**F. Competency of Organizations Generating Environmental Measurement Data:**

In accordance with Agency Policy Directive Number FEM-2012-02, Policy to Assure the Competency of Organizations Generating Environmental Measurement Data under Agency-funded Assistance Agreements, Recipient agrees, by entering into this agreement, that it has demonstrated competency prior to award, or alternatively, where a pre-award demonstration of competency is not practicable, Recipient agrees to demonstrate competency prior to carrying out any activities under the award involving the generation or use of environmental data. Recipient shall maintain competency for the duration of the

project period of this agreement and this will be documented during the annual reporting process. A copy of the Policy is available online at [http://www.epa.gov/fem/lab\\_comp.htm](http://www.epa.gov/fem/lab_comp.htm) or a copy may also be requested by contacting the EPA project officer for this award.

**G. Geospatial Data Standards:**

All geospatial data created must be consistent with Federal Geographic Data Committee (FGDC) endorsed standards. Information on these standards may be found at [www.fgdc.gov](http://www.fgdc.gov).

**H. Cybersecurity for States:**

(a) The recipient agrees that when collecting and managing environmental data under this assistance agreement, it will protect the data by following all applicable State or Tribal law cybersecurity requirements.

(b) (1) EPA must ensure that any connections between the recipient's network or information system and EPA networks used by the recipient to transfer data under this agreement, are secure. For purposes of this Section, a connection is defined as a dedicated persistent interface between an Agency IT system and an external IT system for the purpose of transferring information. Transitory, user-controlled connections such as website browsing are excluded from this definition.

If the recipient's connections as defined above do not go through the Environmental Information Exchange Network or EPA's Central Data Exchange, the recipient agrees to contact the EPA Project Officer (PO) no later than 90 days after the date of this award and work with the designated Regional/Headquarters Information Security Officer to ensure that the connections meet EPA security requirements, including entering into Interconnection Service Agreements as appropriate. This condition does not apply to manual entry of data by the recipient into systems operated and used by EPA's regulatory programs for the submission of reporting and/or compliance data.

(2) The recipient agrees that any subawards it makes under this agreement will require the subrecipient to comply with the requirements in (b)(1) if the subrecipient's network or information system is connected to EPA networks to transfer data to the Agency using systems other than the Environmental Information Exchange Network or EPA's Central Data Exchange. The recipient will be in compliance with this condition: by including this requirement in subaward agreements; and during subrecipient monitoring deemed necessary by the recipient under 2 CFR 200.331(d), by inquiring whether the subrecipient has contacted the EPA Project Officer. Nothing in this condition requires the recipient to contact the EPA Project Officer on behalf of a subrecipient or to be involved in the negotiation of an Interconnection Service Agreement between the subrecipient and EPA.



IN WITNESS WHEREOF, the parties have by their duly authorized representatives set their signatures.

**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

DocuSigned by:



Director, Metro Public Health Department

Date

DocuSigned by:

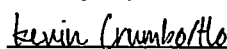


Chair, Board of Health

Date

APPROVED AS TO AVAILABILITY OF FUNDS:

DocuSigned by:



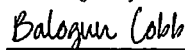
Director, Department of Finance

11/30/2020

Date

APPROVED AS TO RISK AND INSURANCE:

DocuSigned by:



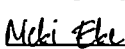
Director of Risk Management Services

11/30/2020

Date

APPROVED AS TO FORM AND LEGALITY:

DocuSigned by:



Metropolitan Attorney

11/30/2020

Date

FILED:



Metropolitan Clerk

DEC 16 2020

Date

**Name of Grant or Contract:** Air Pollution's 103 Grant - Special Purpose Monitoring**MPHD GRANT OR CONTRACT RENEWAL PRE-APPLICATION***Signatures*

- ☐ Approved-Bureau Director \_\_\_\_\_
- ☐ Approved-Director of Health \_\_\_\_\_
- ☐ Approved Grants Review Team \_\_\_\_\_ Date: \_\_\_\_\_
- ☐ Not Approved-Justification \_\_\_\_\_
- \_\_\_\_\_

**Proposal Data**Date: \_\_\_\_\_ Contact Person: John FinkeBureau/Division: Environmental/Air Pollution Control Telephone: 615-340-0443

Funding Source:

☒ Federal Name of Funder/Agency Environmental Protection Agency CFDA # 66.034☐ State – Name of Funder/Agency \_\_\_\_\_☐ Local – Name of Funder/Agency \_\_\_\_\_☐ Other – Name of Funder/Agency \_\_\_\_\_Terms of Contract: Award Amount \$260,000 Start Date 4/1/2020 End Date 3/31/2022**Type of Award:**

- ☐ Demonstration (to establish or demonstrate the feasibility of new methods or delivery of services)
- ☐ Research/Translation (to develop new knowledge or to evaluate existing knowledge in new settings)
- ☐ Service (to support the development, organizing, establishing, providing or expanding delivery of services)
- ☐ Training (to support training of individuals in fields important to the mission of the agency -- institutional/individual)
- ☐ Conference (to support a meeting relevant to advance knowledge/understanding of a public health topic)
- ☒ Technical Assistance (to support development, consultation, advisement to advance capabilities of an organization)
- ☐ Other \_\_\_\_\_

**Changes to Budget/ Scope/ Personnel/ Management:** For each of the following, complete the required information and "check" the box if a change has occurred.**Budget Change:** YES ☐ NO ☒ If YES: Revised Budget amount \$ \_\_\_\_\_

Explain Change Below:

**Indirect Rate Change:** YES ☒ NO ☐ If YES: Revised Indirect Rate 22.91%

Explain Change Below:

Updated to conform to MPHD's most recent assessment.

**In-kind or Cash Matching Change:** YES ☐ NO ☒ If YES: Revised In-kind or cash matching \_\_\_\_\_

Explain Change Below:

**Contract with an Outside Institution or Organization Change:** YES ☐ NO ☒

Explain Change Below:

**Number of Personnel or Workload Change:** YES ☐ NO ☒

Explain Change Below:

Total # of positions (FTEs) \_\_\_\_\_ Will grant be implemented by ☐ new hires ☐ existing staff

**External Contractor Change:** YES ☐ NO ☒

Explain Change Below:

**Evaluation, Epi or IT Support Change:** YES ☐ NO ☒

Explain Change Below:

**Physical Space to Implement the Program Change:** YES ☐ NO ☒

Explain Change Below:

**Subcontractors or Subawards Change:** YES ☐ NO ☒

Explain Change Below:

**ABSTRACT: Describe below the Purpose, Objectives, Target Population, Anticipated Strategies, Outcomes *and Note any changes***

The 103 Grant provides federal dollars to the Health Department's Air Pollution Program for the purpose of supporting fine particulate monitoring. Air monitoring is a grant commitment and helps to influence long-range planning for the program that benefits all of Davidson County. Funds may be spent on all activities (salary, equipment, maintenance, etc.) related to the collection of fine particulate data. There is no matching requirement for this grant.

**Readiness Checklist:**

- ☐ The scope of services aligns with the strategic plan
- ☐ The proposed application builds on existing MPHD Activities
- ☐ The goals and objectives are closely aligned with the strategic priority areas as defined in the strategic plan
- ☐ The ongoing or sustained public health benefit is consistent with MPHD's mission
- ☐ Community organizations that perform similar activities have been identified or engaged

**Additional Comments:**

**Name of Grant or Contract:** Air Pollution's 103 Grant - Special Purpose Monitoring

**MPHD GRANT OR CONTRACT RENEWAL RISK ASSESSMENT**

This assessment will indicate the risks the agency faces from both external and internal sources. "Yes" indicates risk.

Grants Review Team Recommendation to Prepare Grant Application: ☐ Yes ☐ No

Comments: \_\_\_\_\_  
\_\_\_\_\_

Total Risk Score (Total number of "yes" answers below): \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_

**General Assessment**

1. Is the person who is considered for providing supervision or management new to management, i.e., less than 3 years?

☐ YES ☒ NO ☐ Not Applicable

Comments:

2. Does the department predict/anticipate that there may be turn-over in management or department that affects the program?

☐ YES ☒ NO ☐ Not Applicable

Comments:

3. Are the managers and staff anticipated to be assigned to manage or work in the program inexperienced with the program, i.e., population or intervention?

☐ YES ☒ NO ☐ Not Applicable

Comments:

4. Is the program unusually complex (e.g. complex funding, matching requirements, high number of deliverables that require reliance on external partners or other factors)?

☐ YES ☒ NO ☐ Not Applicable

Comments:

5. Does the program have high visibility (e.g. political or public interest)?

☐ YES ☒ NO ☐ Not Applicable

Comments:

6. Is this grant large?

☐ YES (\$500,000 or more per year) ☒ NO (Less than \$500,000 per year)

Comments:

7. Is there an unusual level discretion in monetary decisions (e.g. no annual review, little budget detail required)?

☐ YES ☒ NO ☐ Not Applicable

Comments:

8. Are there multiple partners/contractors/sub-awardees involved?

☐ YES ☒ NO ☐ Not Applicable

Comments:

9. Is a sustainability plan lacking?

☐ YES ☒ NO ☐ Not Applicable

Comments:

10. What is the likelihood of failure to achieve the objectives?

☐ High/Probable ☐ Medium/Possible ☒ Low/Remote ☐ Not Applicable

Comments:

## Section 103 PM<sub>2.5</sub> Air Monitoring Work Plan

January 30, 2020

**Name of Grantee:** Nashville/Davidson County, Tennessee

**Project Budget Period:** April 1, 2020 - March 31, 2022

**Amount of Funding Requested:** \$260,000

### **Project Objectives and Alignment with EPA Strategic Plan:**

The primary objective of this project is to collect quality assured data on ambient air concentrations of fine particulate matter (PM<sub>2.5</sub>) and its precursors. As described in EPA's PM<sub>2.5</sub> Monitoring Implementation Plan, dated March 1, 2000, the data will be used for: (1) PM<sub>2.5</sub> National Ambient Air Quality Standards (NAAQS) comparisons, (2) development and tracking of implementation plans, (3) assessments of regional haze, and (4) assistance for health studies and other ambient aerosol research activities. The PM<sub>2.5</sub> monitoring network design addresses these four program objectives through a combination of siting and instrumentation strategies.

This project supports EPA's Strategic Plan Goal 1 A Cleaner, Healthier Environment (Deliver a cleaner, safer, and healthier environment for all Americans and future generations by carrying out the Agency's core mission) and Objective 1.1 (Improve Air Quality: Work with states to accurately measure air quality and ensure that more Americans are living and working in areas that meet high air quality standards), by implementing a variety of monitoring activities that will assist in achieving and maintaining health based air pollution standards to reduce the direct emission of particulate matter and other criteria air pollution from stationary and mobile sources that are protective of human health. The environmental outcome will be reduced incidences of respiratory illnesses including asthma and lung cancer and improved visibility in scenic parks and wilderness areas.

### **Activities to Be Conducted:**

The PM<sub>2.5</sub> ambient monitoring network will be operated and maintained in accordance with Title 40 of the Code of Federal Regulations (40 CFR), Parts 50, 53, and 58, and published in the *Federal Register* on June 12, 2007. These regulations describe the frequency of sampling and the timely reporting of ambient data to the Air Quality System (AQS) database. The number and types of monitors, as specified in our EPA-approved ambient monitoring plan, which will be operated and maintained, are as follows:

|   | <b>Method</b>  | <b>Monitor</b>     | <b>1:1</b> | <b>1:3</b> | <b>1:6</b> |
|---|----------------|--------------------|------------|------------|------------|
| 1 | 2.5 Mass       | FRM                | --         | --         | --         |
| 2 | 2.5 Mass       | Co-located FRM*    | --         | --         | 1          |
| 3 | 2.5 Continuous | FEM                | 2          | --         | --         |
| 4 | 2.5 Continuous | Co-located FEM*    | --         | --         | --         |
| 5 | 2.5 Continuous | Non-FEM            | --         | --         | --         |
| 6 | 2.5 Continuous | Co-located Non-FEM | 1          | --         | --         |
| 7 | Speciation     | SASS               | --         | --         | --         |

|    |                     |                 |    |    |    |
|----|---------------------|-----------------|----|----|----|
| 8  | Speciation          | Super-SASS      | -- | -- | -- |
| 9  | Speciation - Carbon | URG             | -- | -- | -- |
| 10 | Trace/low           | NO <sub>x</sub> | -- | -- | -- |
| 11 | Trace/low           | NO <sub>y</sub> | -- | -- | -- |
| 12 | Trace/low           | SO <sub>2</sub> | -- | -- | -- |
| 13 | Trace/low           | CO              | -- | -- | -- |
| 14 | Meteorological      |                 | -- | -- | -- |

*\*Do not double count monitors*

As a recipient of an EPA PM<sub>2.5</sub> monitoring grant, Nashville/Davidson County, Tennessee will:

1. Operate and maintain the PM<sub>2.5</sub> monitoring network in accordance with all EPA requirements.
2. Review and update the quality assurance project plan and standard operating procedures in accordance with Region 4 policies.
3. Submit PM<sub>2.5</sub> data and associated quality assurance data to AQS with 90 days from the end of the calendar quarter.
4. Comply with guidance in flagging data if it is believed that the data have been affected by an exceptional event.
5. Meet 75% minimum data recovery requirements for the PM<sub>2.5</sub> network monitors. Report all monitors that do not meet this requirement providing the reason that monitor did not meet the 75% data recovery and the corrective action(s) taken. The report is due to the Region 4 state/local monitoring contact within 30 days of the data being entered into the AQS data base.
6. Submit a PM<sub>2.5</sub> air monitoring network plan as part of the state's annual air monitoring network plan covering all criteria pollutants. This will be done in coordination with the State, if applicable, by July 1, 2020 and by July 1, 2021.
7. Certify calendar year PM<sub>2.5</sub> FRM data in the State and Local Air Monitoring Station (SLAMS) Annual Report. Submit the annual certification letter and SLAMS Annual Report by May 1, 2020 and by May 1, 2021.
8. Air Quality Index (AQI) Forecasting: As resources permit, the grantee agrees to participate in AQI forecasting for those areas with continuous PM<sub>2.5</sub> monitoring and report all continuous PM<sub>2.5</sub> data to AQS and to the PM<sub>2.5</sub> mapping program.
9. Submit the Annual Performance Report that covers the period of January 1 to December 31, 2020 to the EPA Technical Project Officer by March 31, 2021.
10. Submit the Annual Performance Report that covers the period of January 1 to December 31, 2021, to the EPA Technical Project Officer by March 31, 2022.
11. Demonstrate the quality assurance (QA) competency by:

- a) Assuring the competency of environmental measurement data collected and generated under the Section 103 PM<sub>2.5</sub> grant program, as addressed in the quality assurance project plan and standard operating procedures for the PM<sub>2.5</sub> monitoring network.
- b) Continuing to implement a similar scope of work under this Section 103 PM<sub>2.5</sub> grant as performed satisfactorily under your previously approved Section 103 PM<sub>2.5</sub> grants.

**Outputs/Milestones:**

- Submission of an annual PM<sub>2.5</sub> air monitoring network plan for EPA approval. This plan is due annually on July 1<sup>st</sup> as part of the state's annual air monitoring network plan covering all criteria pollutants.
- PM<sub>2.5</sub> and associated quality assurance data will be submitted into AQS within 90 days after the end of the calendar quarter.



**Outcomes:**

The anticipated short term outcome for this project is an increase in the knowledge regarding the character and extent of PM<sub>2.5</sub> in the ambient air. The long term outcome, through the eventual development and implementation of your state's implementation plans, is to comply with NAAQSs as set forth in the Clean Air Act.

**Budget:** The costs associated with this project are detailed in the grant financial application package.

Name: John Finke

Position: Director, Air Pollution Control Division

Agency: Nashville/Davidson County, Tennessee

## BUDGET JUSTIFICATION WORKSHEET

You must provide a detailed cost justification for the estimated budget amounts reflected in Section B of your SF-424A application form. This detailed information will enable the EPA project officer to perform the required analysis to determine if the costs are reasonable and necessary. You may use the following format or a format of your choice to provide this information.

[NOTE: Please indicate any pre-award costs with a star (\*).]

### a. PERSONNEL

| POSITION                        | NUMBER | SALARY   | WORK YEARS | AMOUNT    |
|---------------------------------|--------|----------|------------|-----------|
| Environmental Health Specialist | 1      | \$44,700 | 2.0        | \$89,400  |
| Environmental Health Specialist | 1      | \$42,400 | 0.7        | \$29,680  |
|                                 |        |          |            |           |
|                                 |        |          |            |           |
|                                 |        |          |            |           |
|                                 |        |          |            |           |
| <b>a. PERSONNEL TOTAL</b>       |        |          |            | \$119,080 |

### b. FRINGE BENEFITS

|                                 |           |
|---------------------------------|-----------|
| BASE                            | \$119,080 |
| RATE                            | X 0.4852  |
| <b>b. FRINGE BENEFITS TOTAL</b> | \$57,778  |

### c. TRAVEL

|   |
|---|
| <p>If the grant is not for a continuing environmental program or if travel is not well documented in the work plan, provide a breakdown of the number of trips, destinations, number of travelers, etc. to document estimated travel costs.</p> |
|   |
| <p><b>c. TRAVEL TOTAL:</b>      <b>\$10,000</b></p>   |

**OBJECT CLASS CATEGORIES WORKSHEET****d. EQUIPMENT**

**Tangible, non-expendable, personal property having a useful life of more than one year and an acquisition cost of \$5,000 or more per unit. Please list equipment items (i.e., vehicles, boats, etc.) and provide adequate detail to enable the EPA project officer to make an eligibility determination and to verify cost. For “equipment” with a cost of less than \$5,000 per unit, list under supplies.**

| ITEM                       | NUMBER | COST PER UNIT | TOTAL |
|----------------------------|--------|---------------|-------|
|                            |        |               |       |
|                            |        |               |       |
|                            |        |               |       |
|                            |        |               |       |
|                            |        |               |       |
| <b>d. EQUIPMENT TOTAL:</b> |        |               |       |

**e. SUPPLIES**

**List by groups (as appropriate), such as office supplies, lab supplies, field supplies. If the cost for a particular group is over \$50,000, please provide a list of the more costly items or subsets.**

|  |                 |
|--|-----------------|
| Maintenance parts for FEMs, FRM and 1 TEOM, including pumps and circuit boards | \$23,000        |
| Recertification of audit equipment   | \$3,424         |
|  |                 |
|  |                 |
| <b>e. SUPPLIES TOTAL</b>   | <b>\$26,424</b> |

**OBJECT CLASS CATEGORIES WORKSHEET****f. CONTRACTUAL**

|  |                |
|--|----------------|
| <b>List <u>each</u> planned contract and the type of services/project activity to be procured. Agreements/contracts with other governmental agencies (state, local or Federal) should be listed under category h. OTHER.</b> |                |
| PM 2.5 FRM Filter Analysis (approx. 200 filters @ \$31/filter)   | \$6,200        |
|  |                |
|  |                |
|  |                |
|  |                |
|  |                |
|  |                |
|  |                |
| <b>f. CONTRACTUAL TOTAL</b>  | <b>\$6,200</b> |

**g. CONSTRUCTION (N/A)****h. OTHER**

|  |  |
|--|--|
| <b>List other items that would not be appropriately included elsewhere, such as costs for maintenance, operations, repairs, motor pools, rental, training, publication, and printing, and Intergovernmental Agreements</b> |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| <b>h. OTHER TOTAL</b>  |  |

|  |                  |
|--|------------------|
| <b>i. TOTAL DIRECT COSTS: (Sum of categories A through H)</b>              | <b>\$219,482</b> |
| <b>j. INDIRECT COSTS: (applied to salary &amp; fringe) (RATE: 22.91 %)</b> | <b>\$40,518</b>  |
| <b>k. TOTAL PROPOSED COSTS: (Sum of categories I through J)</b>            | <b>\$260,000</b> |
| <b>FEDERAL FUNDS REQUESTED: 100%</b>                                       |                  |
| <b>RECIPIENT SHARE OF TOTAL PROPOSED COSTS: 0%</b>                         |                  |

2020 DEC 8 AM 11:46  
FILED METROPOLITAN CLERK

# ORIGINAL

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**METROPOLITAN COUNTY COUNCIL**

**Resolution No. RS2020-681**

**A resolution accepting a grant from the U. S. Environmental Protection Agency to The Metropolitan Government of Nashville and Davidson County, acting by and through the Metropolitan Board of Health, for the ongoing collection of data on ambient air concentrations for fine particulate matter in Nashville, Tennessee.**

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*Introduced* DEC 15 2020

*Amended* \_\_\_\_\_

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*Adopted* DEC 15 2020

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*Approved* 

*By* DEC 16 2020  
*Metropolitan Mayor*

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# ORIGINAL

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***METROPOLITAN COUNTY COUNCIL***

**Resolution No.** RS2021-996

**A resolution accepting a grant from the Friends of Metro Animal Care and Control to the Metropolitan Government, acting by and through the Metropolitan Board of Health, to provide emergency medical care to animals at Metro Animal Care and Control.**

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*Introduced* JUN 15 2021

*Amended* \_\_\_\_\_

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*Adopted* JUN 15 2021

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*Approved* 

*By* JUN 17 2021  
*Metropolitan Mayor*

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