

LEGISLATIVE TRACKING FORM

Filing for Council Meeting Date: 12/15/20

Resolution Ordinance

Contact/Prepared By: Brad Thompson

Date Prepared: 11/16/20

Title (Caption): Air Pollution 103 grant This grant from the U.S. Environmental Protection Agency is based on Section 103 of the Clean Air Act

for the prevention and control of air pollution and covers all aspects of PM2.5 monitoring including salaries, travel, training and laboratory support.

April 20 - March 22

Submitted to Planning Commission? N/A Yes-Date: _____ Proposal No: _____

Proposing Department: Health Requested By: Health

Affected Department(s): Health Affected Council District(s): all

Legislative Category (check one):

- | | | |
|---|--|--|
| <input type="checkbox"/> Bonds | <input type="checkbox"/> Contract Approval | <input type="checkbox"/> Intergovernmental Agreement |
| <input type="checkbox"/> Budget - Pay Plan | <input type="checkbox"/> Donation | <input type="checkbox"/> Lease |
| <input type="checkbox"/> Budget - 4% | <input type="checkbox"/> Easement Abandonment | <input type="checkbox"/> Maps |
| <input type="checkbox"/> Capital Improvements | <input type="checkbox"/> Easement Accept/Acquisition | <input type="checkbox"/> Master List A&E |
| <input type="checkbox"/> Capital Outlay Notes | <input checked="" type="checkbox"/> Grant | <input type="checkbox"/> Settlement of Claims/Lawsuits |
| <input type="checkbox"/> Code Amendment | <input type="checkbox"/> Grant Application | <input type="checkbox"/> Street/Highway Improvements |
| <input type="checkbox"/> Condemnation | <input type="checkbox"/> Improvement Acc. | <input type="checkbox"/> Other: _____ |

FINANCE Amount +/-: \$ <u>\$ 130,000.00</u>	Match: \$ <u>\$ 0.00</u>
Funding Source: Capital Improvement Budget Capital Outlay Notes Departmental/Agency Budget Funds to Metro General Obligation Bonds Grant Increased Revenue Sources	Judgments and Losses Local Government Investment Project Revenue Bonds Self-Insured Liability Solid Waste Reserve Unappropriated Fund Balance 4% Fund Other: _____
Approved by OMB: _____	Date to Finance Director's Office: _____
Approved by Finance/Accounts: _____	APPROVED BY
Approved by Div Grants Coordination: <u>VAUGHN WALSON</u>	FINANCE DIRECTOR'S OFFICE: _____

ADMINISTRATION
Council District Member Sponsors: _____
Council Committee Chair Sponsors: _____
Approved by Administration: _____ Date: _____

DEPARTMENT OF LAW	Date to Dept. of Law: _____	Approved by Department of Law: _____
	Settlement Resolution/Memorandum Approved by: _____	
	Date to Council: _____	For Council Meeting: _____ <input type="checkbox"/> E-mailed Clerk
<input type="checkbox"/> All Dept. Signatures	<input type="checkbox"/> Copies	<input type="checkbox"/> Backing <input type="checkbox"/> Legislative Summary <input type="checkbox"/> Settlement Memo <input type="checkbox"/> Clerk Letter <input type="checkbox"/> Ready to File

GRANT SUMMARY SHEET

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

Pre-Application <input type="radio"/>		Application <input type="radio"/>		Award Acceptance <input checked="" type="radio"/>		Contract Amendment <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	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:	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.	15.58%	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
vaughn.wilson@nashville.gov

	U.S. ENVIRONMENTAL PROTECTION AGENCY Cooperative Agreement	GRANT NUMBER (FAIN): 01D05520 MODIFICATION NUMBER: 0 PROGRAM CODE: PM	DATE OF AWARD 03/18/2020
		TYPE OF ACTION New	MAILING DATE 03/25/2020
		PAYMENT METHOD: ASAP	ACH# 40377
		Send Payment Request to: Research Triangle Park Finance Center	
RECIPIENT TYPE: County		PAYEE:	
RECIPIENT: Metropolitan Gov't of Nashville & Davidson County 311 23rd Ave., N. Nashville, TN 37203 EIN: 62-0694743		Metropolitan Gov't of Nashville & Davidson County 311 23rd Ave., N. Nashville, TN 37203	
PROJECT MANAGER John Finke 311 23rd Ave., N. Nashville, TN 37203 E-Mail: john.finke@nashville.gov Phone: 615 340-5653		EPA PROJECT OFFICER Gwendolyn Graf 61 Forsyth Street Atlanta, GA 30303-8960 E-Mail: graf.gwendolyn@epa.gov Phone: 404-562-9289	EPA GRANT SPECIALIST Kenny Richardson Grants and Audit Management Section E-Mail: richardson.kenny@epa.gov Phone: 404-562-9021
PROJECT TITLE AND DESCRIPTION PM 2.5 Ambient Air Monitoring Network 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.			
BUDGET PERIOD 04/01/2020 - 03/31/2022	PROJECT PERIOD 04/01/2020 - 03/31/2022	TOTAL BUDGET PERIOD COST \$260,000.00	TOTAL PROJECT PERIOD COST \$260,000.00
NOTICE OF AWARD			
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.			
ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)		AWARD APPROVAL OFFICE	
ORGANIZATION / ADDRESS		ORGANIZATION / ADDRESS	
61 Forsyth Street Atlanta, GA 30303-8960		U.S. EPA, Region 4 Air and Radiation Division 61 Forsyth Street Atlanta, GA 30303-8960	
THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY			
Digital signature applied by EPA Award Official Keva R. Lloyd - Grants Management Officer			DATE 03/18/2020

EPA Funding Information

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

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

Fiscal									
Site Name	Req No	FY	Approp. Code	Budget Organization	PRC	Object Class	Site/Project	Cost Organization	Obligation / Deobligation
-	2004VW0066	20	E1	04V8	000A04XPM	4112			130,000
									130,000

Budget Summary Page

Table A - Object Class Category (Non-construction)	Total Approved Allowable 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: <u>22.91%</u> Base Salary/Fringe	\$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	\$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
- MBE/WBE reports (EPA Form 5700-52A): R4epagrantsmbewbereporting@epa.gov
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
404-562-9021

Gwendolyn Graf / Project Officer
graf.gwendolyn@epa.gov
404-562-9289

- Payment requests (if applicable):
Gwendolyn Graf / Project Officer
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
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

and

Cc: 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 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.

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:

D14877D6D18E443...

Director, Metro Public Health Department

Date

DocuSigned by:

7F973F49A06A4DF...

Chair, Board of Health

Date

APPROVED AS TO AVAILABILITY OF FUNDS:

Director, Department of Finance

Date

APPROVED AS TO RISK AND INSURANCE:

Director of Risk Management Services

Date

APPROVED AS TO FORM AND LEGALITY:

Metropolitan Attorney

Date

FILED:

Metropolitan Clerk

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 Finke

Bureau/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_{2.5} 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_{2.5}) and its precursors. As described in EPA's PM_{2.5} Monitoring Implementation Plan, dated March 1, 2000, the data will be used for: (1) PM_{2.5} 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_{2.5} 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_{2.5} 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:

	Method	Monitor	1:1	1:3	1:6
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 _x	--	--	--
11	Trace/low	NO _y	--	--	--
12	Trace/low	SO ₂	--	--	--
13	Trace/low	CO	--	--	--
14	Meteorological		--	--	--

*Do not double count monitors

As a recipient of an EPA PM_{2.5} monitoring grant, Nashville/Davidson County, Tennessee will:

1. Operate and maintain the PM_{2.5} 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_{2.5} 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_{2.5} 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_{2.5} 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_{2.5} 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_{2.5} monitoring and report all continuous PM_{2.5} data to AQS and to the PM_{2.5} 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_{2.5} grant program, as addressed in the quality assurance project plan and standard operating procedures for the PM_{2.5} monitoring network.
- b) Continuing to implement a similar scope of work under this Section 103 PM_{2.5} grant as performed satisfactorily under your previously approved Section 103 PM_{2.5} grants.

Outputs/Milestones:

- Submission of an annual PM_{2.5} air monitoring network plan for EPA approval. This plan is due annually on July 1st as part of the state's annual air monitoring network plan covering all criteria pollutants.
- PM_{2.5} 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_{2.5} 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
a. PERSONNEL TOTAL				\$119,080

b. FRINGE BENEFITS

BASE	\$119,080
RATE	X 0.4852
b. FRINGE BENEFITS TOTAL	\$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>
Empty space for providing travel details
<p>c. TRAVEL TOTAL: \$10,000</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
d. EQUIPMENT TOTAL:			

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
e. SUPPLIES TOTAL	\$26,424

OBJECT CLASS CATEGORIES WORKSHEET

f. CONTRACTUAL

List each 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.	
PM 2.5 FRM Filter Analysis (approx. 200 filters @ \$31/filter)	\$6,200
f. CONTRACTUAL TOTAL	\$6,200

g. CONSTRUCTION (N/A)

h. OTHER

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	
h. OTHER TOTAL	

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