



# SLFRF APPLICATION

*Davis County Enhanced Air  
Monitoring Network*

Requested: \$47,062.00

## ARPA SCOPE OF WORK WORKSHEET

### 1. Overview

Federal Award Grant Name	Coronavirus State and Local Fiscal Recovery Funds (SLFRF)
Federal Assistance Listing Number	21.027
Subrecipient Name	
Subrecipient UEI	
Subaward Start Date	
Subaward End Date	
1. Amount of Federal Funds Obligated in this SOW	
2. Total Amount of ALL Federal Funds Obligated to Subrecipient from Davis County (including this SOW)	
Federal Award Agency	US Department of Treasury
Pass-through Entity	Davis County, Utah
Awarding Official	<b>Name:</b> Curtis Koch <b>Title:</b> Davis County Clerk Auditor
After Approval by Davis County Commissioners	<b>Address:</b> Davis County Admin Building 61 South Main Street Farmington, Utah 84025 <b>Phone:</b> (801) 451-3491 <b>Email:</b> Ckoch@co.davis.ut.us
Primary Contact	<b>Name:</b> <b>Title:</b> <b>Contact Address:</b> <b>Phone:</b> <b>Email:</b>

## 2. Expenditure Categories

<b>Eligible Category</b>	1. Public Health
<b>Expenditure Category Number</b>	1.14
<b>Expenditure Category Name</b>	Other Public Health Services
<p><b>Primarily Disadvantaged Households</b></p> <p>Enhancing Davis County’s air monitoring network will benefit all of Davis County residents, including those populations that are disproportionately impacted communities. Often air quality issues in Davis County are primarily impacting disadvantaged communities. The proposed air monitoring network and data map will enhance the Health Department’s capacity to monitor, share, and evaluate air quality conditions within these communities. If there are trends or data that demonstrate determinants of health that disproportionately impact these communities, this enhanced monitoring may be an invaluable tool used by the Department to identify these issues, and serve as the catalyst for advocating for change.</p>	
<p><b>Evidence-based practices</b></p> <p>N/A</p>	

**COVID Impact Statement**

The Davis County Health Department was heavily impacted by the COVID pandemic in many ways. Specifically, we concentrated the majority of our resources on disease surveillance, education of the public and business owners, and vaccination efforts. Because of this, several priority projects were neglected.

Air quality has been a top priority in Davis County for years and is consistently identified by citizens as one of the leading health concerns. We have attempted to deploy various monitors throughout the County. However, we have been delayed significantly in getting our air monitoring network established and communicated to the public.

Since the pandemic, costs of all equipment and technology have greatly increased and made it more difficult to purchase and obtain.

Deploying a database with advanced and modern capabilities will help the Department be more prepared to respond to public health emergencies in the future.



### 3. Staffing

*Provide list of staff and time commitments to be allocated to each activity in the statement of work.*

<b>Key Staff Name</b>	<b>Title/Activity</b>	<b>Time Commitment</b>
Jay Clark	Environmental Health Division Director	
Randy Olson	Environmental Health Deputy Division Director	
Edward Parker	Environmental Health Scientist	
Andrew Stokes	Environmental Health Scientist	
Rob Nunn	Environmental Health Scientist	
Lizz Merrill	Community Health Educator	
Trevor Warner	Communications Manager	

*Any changes in the key personnel assigned or their general responsibilities under this project are subject to the prior approval of Davis County.*

#### 4. Performance Monitoring

Davis County will monitor the performance of the Subrecipient against goals and performance standards as stated above. Substandard performance as determined by Davis County will constitute noncompliance with this Agreement. If action to correct such substandard performance is not taken by the Subrecipient within a reasonable period of time after being notified by Davis County, contract suspension or termination procedures will be initiated.

##### Statement of Work

The contractor will provide the following equipment and services to establish the air monitoring network and map for the Davis County Health Department.

Part #	Description	QTY (EA)	Unit Price	Sub Total
<b>EQUIPMENT - One-time capital expense</b>				
RTE-CW	MONITOR, AirU+ Wi-Fi, PM2.5, REDOX	20.00	\$ 299.00	\$ 5,980.00
RTE-UL	MONITOR, AirU Pro LTE, PM2.5	21.00	\$ 629.00	\$ 13,209.00
RRE-PPJ	PIN, LTE Wi-Fi SWITCH JUMPER	21.00	\$ 29.00	\$ 609.00
RRE-SCP	SENSOR, COURSE PARTICULATE, PM10 OPC	10.00	\$ 1,199.00	\$ 11,990.00
RRE-SON	SENSOR, 2 GAS ELECTROCHEMICAL, NO2, O3	11.00	\$ 499.00	\$ 5,489.00
<b>SERVICES - Annually reoccurring</b>				
DM-T1Y	MAP, HOST AirView MAP, ANNUAL	1.00	\$ 1,100.00	\$ 1,100.00
DA-T3Y	DASHBOARD, AirView DATA ANALYTICS, ANNUAL	1.00	\$ 840.00	\$ 840.00
SA-T1	SERVICE, SUPPORT AGREEMENT, ANNUAL	1.00	\$ 1,100.00	\$ 1,100.00
SD-T2	SERVICE, TIER 2, COMMERCIAL LTE DATA PLAN, ANNUAL	21.00	\$ 120.00	\$ 2,520.00
<b>SERVICES - One-time set-up expense</b>				
SQ-T1	SERVICE, NEW REGION MAP SETUP - Davis County	1.00	\$ 1,600.00	\$ 1,600.00
SI-T1	SERVICE, TIER 1, DEVICE INSTALLATION	21.00	\$ 125.00	\$ 2,625.00

**Description of population to receive assistance**

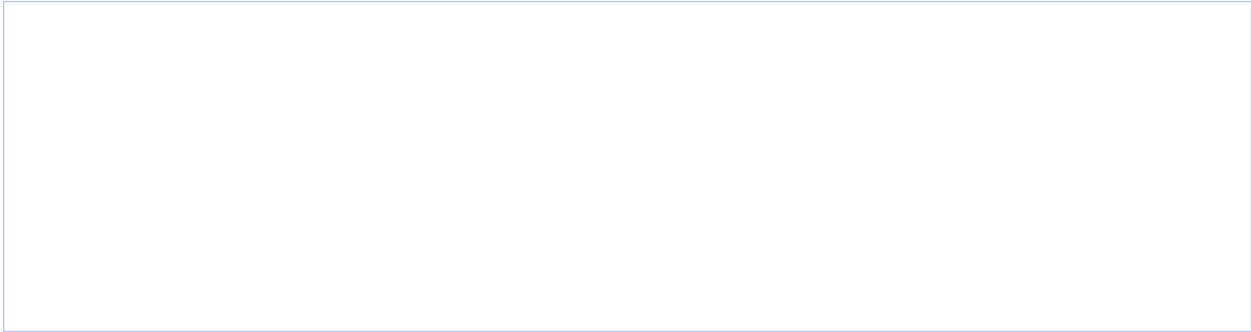
This project will benefit the entire Davis County community, including those populations that are disproportionately impacted. The primary beneficiaries of this project are the citizens of Davis County. In addition to providing important data to the health department, citizens will have quick access to current air quality conditions in their exact location. This information will be used to see if certain populations are disproportionately impacted by poor air quality. This monitoring network will provide the Department with better information to protect the public we serve.

**Description of process to ensure disadvantaged households are provided access to project**

As part of this project the Department hopes to make health information more easily shareable with all, including those from disadvantaged households. Everyone will be able to have access to the air quality map and better understand how pollution impacts these disadvantaged communities in comparison with those communities that do not live as near heavy pollution sources.



<b>Physical location where assistance will be provided</b>	Various locations throughout Davis County.
<b>Geographic Service Area(s)</b>	Davis County.
<p><b>Project Outline</b></p> <p>The contractor will work closely with the Davis County Health Department until the completion of all the work. The project will start immediately upon signing of the contract and is expected to be completed within one year. This will consist of identifying locations to install monitors, networking them to the Tellus network, creating a map of air quality conditions in Davis County and hosting it on the Davis County website.</p>	
<p><b>Project Outcome</b></p> <p>This project will provide the Davis County Health Department with a modernized air quality network which will help disseminate air quality conditions to the public in real-time. This project will also allow the Department access to additional data to analyze and evaluate to help those communities who may be unfairly impacted.</p>	



### 5. Schedule/Timeline

Timeline reflect the time from the start to end of subaward date.

Budget calculations should match figures in budget table.

	4Q2023	1Q 2024	2Q 2024	2Q 2024
Activities	Planning / Creating Map	Planning / Creating Map	Purchase Monitors	Install Monitors
Budget Expenditures (SOW funding source only)		\$1,600	\$37,277	\$2,625

	3Q 2024			
Activities	Finalize Map / Fine Tune Monitors			
Budget Expenditures (SOW funding source only)	\$5,560			

List all obligated funding sources individually and funding amounts for this project.

Funding Sources	Amount	Notes
ARPA	\$47,062	\$5,560 is estimated as the ongoing commitment annually the Health Department will be making to continue to support this air monitoring network.

## 6. Budget Non-Construction

	ARPA	Other Federal Grants	State Funding	Local Funding, Grants, Donations	Other
Personnel					
Fringe Benefits					
Travel					
Supplies					
Contractual	\$47,062				
Construction					
Other (specify)					
Indirect Charges					
Program Income					

## 7. Budget Construction

	ARPA	Other Federal Grants	State Funding	Local Funding, Grants, Donations	Other
Administration and legal expenses					
Land, structures, rights-of-way, appraisals, etc.					
Relocation expenses and payments					
Architectural and engineering fees					
Project inspection fees					
Site work					
Demolition and removal					
Construction					
Equipment					
Miscellaneous					
Contingencies					
Project (program) income					