

Summary Information Cover Letter

Project Title:	Douglas County Waste Diversion Center (WDC)
Applicant Name:	Douglas County Government
Eligible Entity:	Local Government
Qualification for Program Track:	Qualifies under Track 2
UEI:	LXE5XEA44AH6
Project Summary:	Douglas County's proposed project will establish a secondary use/recycling program to diversify the waste stream, including concrete and tires, reducing landfill contributions and promoting greener practices. This initiative aligns with NOFO requirements by improving local materials management infrastructure and significantly decreasing municipal solid waste (MSW) generation. It will increase MSW diversion from landfills, expand recycling and reuse opportunities, and support a circular economy. Ultimately, the project will reduce landfill reliance and advance recycling efforts, fostering greater environmental sustainability.
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Project Location:	Sedalia, Colorado
EPA Funding Requested:	\$5.0M
Project Period:	December 2025 – December 2028
Program Objectives:	<ul style="list-style-type: none"> • Establish, increase, expand, or optimize collection and improve materials management infrastructure • Fund the creation and construction of tangible infrastructure, technology, or other improvements to reduce contamination in the recycled materials stream • Establish, increase, expand, or optimize capacity for materials management • Establish, improve, expand, or optimize end-markets for the use of recycled commodities • Demonstrate a significant and measurable increase in the diversion, recycling rate, and quality of materials collected for municipal solid waste.
Award of Grant from Previous Rounds of Funding:	Non-applicable.
Cooperative Partners:	Douglas County School District (DSCD) Castle Rock Composting

Narrative Proposal

i. Project Summary and Approach

a. Detailed Project Summary, Description of Specific Actions and Methods to be Undertaken, Including Estimated Timeline for Each Task

Douglas County Government (the County) is proposing the establishment of the Douglas County Waste Diversion Center (WDC) to enhance municipal solid waste (MSW) management. Currently, the State of Colorado has a solid waste diversion goal of 35% by 2026 and a goal of 45% by 2036. Key priorities include **creating a circular economy** which will allow the expansion of existing markets and creating new markets for recyclable materials in Colorado; **designing for less waste**, which encourages producers to make products that are more environmentally friendly; and, **recycling and composting**, which that state offers two grant programs focused on reduce, reuse, and recycle programming.

This proposed project will complement Federal and State priorities and goals by creating a secondary use/recycling program that will create a diverse waste stream (e.g., concrete, tires) to reduce landfill contributions and enhance greener practices. This program is being proposed as a reduced-cost service offered to Douglas County community members who utilize it. The proposed service aims to create a sustainable and equitable solution for waste management by offering community members an affordable alternative to landfills. By charging a nominal fee, the program incentivizes participation while keeping costs low, making it easier for residents to properly dispose of their waste. The service would be structured to allow contractors to operate on a fee basis, offering services at-cost whenever possible, which helps minimize the financial burden on individuals. This approach not only reduces the reliance on landfills, which are costly (upwards of more than \$100 for solid waste disposal) and contributes to GHG emission, but also encourages environmentally friendly alternatives. Additionally, offering the service at a reduced cost could enhance community engagement by fostering a sense of shared responsibility, promoting equity, and reducing illegal dumping. The program would serve as a platform for raising awareness about sustainable waste practices, ultimately helping to build a more sustainable and responsible community. By targeting these key areas—cost reduction, environmental impact, community involvement, and sustainability—the program has the potential to foster a healthier, greener, and more engaged community.

The project will be located adjacent to the Sedalia Landfill, 5970 US 85, Sedalia, CO 80135 (39.446492, -104.969838). **This project will not focus on improving or operating landfill practices.** Instead, it aims to encourage users to choose the County's WDC as a cost-effective and eco-friendly alternative to landfill disposal and incineration, helping to divert materials from these methods. An appraisal has been completed, valuing the project at \$2.7M, and discussions have begun with Waste Connections, who are happy to work with the County, to finalize land acquisition. Key funding requests for the project include earthwork preparation for the drop-off yard site.

As the project begins, the County will be responsible for overseeing and managing vendors. Vendors will handle material processing costs and public and private partnerships will ensure industry expertise as well as cross-collaboration with the County. Facility operation will be in a central yard for material storage where proper bins for drop off will be located. MSW materials will include Yard/Green Waste; Metal, Plastics, Paper, Glass; Electronic; and, Construction and Demolition (C&D) debris. This material will also be used for management pathways including source reduction, composting, rendering, and feeding of animals. This site will be open six (6) days a week for public drop-off. Vendors will be responsible for collecting materials on the closed days. The County will establish a landing page on the County Department of Public Works website specifying details pertaining to acceptable waste, hours of operation, and contact information. This project will build on and expand existing collection systems and materials management infrastructure. It will fund the development and construction of infrastructure, technology, and improvements to reduce contamination in the recycling stream. The project will also enhance and increase materials management capacity, optimize state-end markets for recycled commodities, and deliver a significant, measurable improvement in diversion rates, recycling rates, and the quality of materials collected from municipal solid waste.

Project Schedule

Table 1. Project Schedule				
Key Activities	Duration	Start	End	Summary and Milestones
Land Acquisition for Diversion Site	6 months	1/25	6/25	Summary: Secure site for waste diversion operations Milestone: Acquire land by June 2025
Site Planning & Development	8 months	4/25	11/25	Summary: Plan and develop the site for operations
State Permitting Development & Submittal	3 months	2/25	4/25	Summary: Prepare and submit required permits to the state
State Permitting Review	6 months	5/25	10/26	Summary: Address any state review feedback on the permits Milestone: Acquire all required state approvals by October 2026
Vendor Proposals Requests	1 month	7/25	7/25	Summary: Issue requests for vendor proposals for various services
Vendor Vetting	2 months	8/25	9/25	Summary: Evaluate and select vendors based on proposals Milestone: Select vendor(s) to perform work by September 2025
Equipment Procurement	6 months	7/25	12/25	Summary: Procure necessary equipment for the diversion site
Hiring	2 months	11/25	12/25	Summary: Hire required personnel for site operations Milestone: Hire key personnel for project by December 2025
Operations	Ongoing	1/26	12/28	Summary: Begin day-to-day operations of the diversion site
Public Outreach	Ongoing	11/25	12/28	Summary: Implement outreach programs to engage and inform the community, including engagement with schools

				Milestone: Establish marketing plan prior to ongoing public outreach (November 2025) Milestone: Launch initial community outreach campaign, including school engagement programs (March 2026)
Municipality Engagement	10 months	10/25	12/26	Summary: Form a committee to collaborate with other municipalities
Reporting	Ongoing	1/26	12/28	Summary: Quarterly reporting on materials processed and bi-quarterly engagement with disadvantaged communities Milestone: Annual Reports Completed (Q4 2026/2027/2028)

ii. Impactful Approaches and Solutions

a. Qualitative Benefits

The County's WDC will make a meaningful impact in several key areas by improving infrastructure for post-consumer materials management. This focus is on enhancing recycling, reducing contamination, promoting a circular economy, and mitigating wildfire risks. This will result in a plethora of key community benefits.

Environmental Benefits

By creating a secondary use/recycling program for materials such as concrete and tires, the project reduces the amount of waste that ends up in landfills and increases energy efficiency practices. For example, concrete and tires are difficult to recycle, and often sit in landfills for years, taking up significant space. Repurposing these materials helps reduce landfill usage, conserving land for other purposes and preventing harmful emissions from landfill decomposition. Additionally, the project will improve recycling infrastructure and processes, reducing contamination in the recycling stream. This ensures that more materials are effectively reused, minimizing environmental harm. Lastly, the project will promote the idea of a circular economy, where materials are reused, repurposed, and kept in use for as long as possible. This reduces the need for new raw materials, decreasing resource extraction and its associated environmental impacts.

Economic Benefits

The creation of the proposed program for post-consumer materials waste will generate new jobs in collection, sorting, and processing these materials. Additionally, there will be opportunities for businesses involved in material recycling and repurposing, stimulating local economies. By diverting materials from landfills, the County can reduce waste disposal costs. Materials that can be recycled or repurposed are less expensive to process and manage, which leads to long-term savings for local governments and waste management companies and complements the [State's circular economy goals and Colorado Circular Communities \(C3\) program](#). In a circular economy, products are purposefully designed for durability, reuse, remanufacturing, and recycling to keep materials in use and reduce the new extraction of natural resources. As the circular economy grows, the demand for sustainable building materials, such as recycled concrete and repurposed tire products, will create new economic opportunities for businesses that can provide these materials, fostering a green industry in the region.

Social Benefits

This proposed project will involve educating local communities about recycling, waste management, and the benefits of the circular economy. This will raise awareness and encourage responsible consumption and disposal, empowering residents to take part in sustainable practices. The County has successfully coordinated with local K-12 schools who support the program. These relationships will allow for additional educational outreach efforts, including coordinating field trips and projects that will teach students about the importance of lowering GHG emissions, transforming post-consumer materials, and recycling. It is the County's goal that these social benefit will create future pathways into employment within this sector, including internship opportunities for local college and university students.

This proposed project will also have health and safety benefits for the community. Proper management of post-consumer materials like tires, which can harbor pests or become fire hazards, will help reduce health risks associated with improper waste handling. Additionally, recycling concrete can help reduce the environmental impacts of quarrying and mining operations, contributing to better air and water quality. These social benefits are critical, as vulnerable populations such as elderly, children, and those with pre-existing or serious medical conditions; people of color; and low-income and tribal populations are most at risk for improper management of these resources.

Additional Benefits

The County's WDC program can also bring additional benefits to residents within Douglas County and other bordering communities. The County experiences high risk of large, destructive wildfires (76%), when compared to Colorado (33%) and US averages (14%) due to the dry climate, mountainous terrain, increased wildland-urban interface, and green waste. This puts many homes, businesses, and wildlife at risk as well as has economic and social costs and climate change impacts. In the County, wildfires, smoke, and dust pose significant environmental and health risks to residents. These environmental challenges put vulnerable populations—such as children, the elderly, and individuals with pre-existing health conditions—at increased risk. Addressing these issues through improved environmental management and public health initiatives is crucial for protecting the County's residents and surrounding communities. WDC will assist in the reduction of fire hazards and lower attributed health and economic impacts that results from wildfire disasters. By recycling tires and other waste materials, the project reduces the accumulation of hazardous materials that could intensify wildfires. Additionally, this program will promote building fire-resilient infrastructure, with recyclable material such as concrete being useable for fire breaks, contributing to better protection of both natural and human-made environments against future wildfires.

Lastly, as the County plans, this project will help establish a sustainable waste management infrastructure that will serve the community for years to come. This infrastructure will continuously reduce landfill dependency, promote the reuse of materials, and contribute to a more sustainable community overall. By improving waste management and recycling practices, the project will contribute to cleaner, safer, and more sustainable communities in Douglas County.

Reducing landfill waste also leads to lower pollution levels, improving overall quality of life for residents. This proposed project will create a robust infrastructure for post-consumer materials management that addresses environmental, economic, and social needs. It will provide long-term benefits to the community by promoting recycling, reducing contamination, advancing a circular economy, supporting wildfire mitigation, and improving local economic conditions. Through these initiatives, the County will become more resilient, sustainable, and environmentally responsible.

b. Anticipated Quantified Magnitude of Both Near and Long-Term Impacts to Waste Management

As of April – November 2024, the County’s Green Waste Program resulted in 210+ tons of yard waste diverted (grass clippings, weeds, and leaves). As of January – November 2024, the County’s Electronic Recycling Program resulted in 508,249 lbs of electronics recycled. The County has provided our anticipated magnitude of both Near and Long- impacts to waste management on Table 2. The County also quantified the GHG reductions associated with SWIFR for Political Subdivision funding, per the NOFO’s formula, and determined the GHG emission reductions associated with SWIFR for Political Subdivisions funding would be **3,273.09 MTCO2**.

Table 2. Near and Long- impacts to waste management	
Program/Material	Quantity
Organics	94,312 tons
Scrap Metal	3,780 tons
Tires	200 tons
Cardboard	1,440 tons
Glass	1,224 tons
Concrete	1,140 tons
Paperboard & Mixed Paper	656 tons
Mattresses & Box Springs	292 tons
GHG Emission Reductions	5,920 MTCO2

iii. Environmental Justice

Douglas County covers 843 square miles between Denver and Colorado Springs in Colorado, US. It has a rich and colorful history, first inhabited by Paleo-Indians and later by Arapaho, Cheyenne, and Ute Nations. As of 2022, it is currently comprised of 360,206 residents (see Appendix A: EPA Report for a detailed summary report of the County’s demographics). While Douglas County may not be highly diverse, with 79% of its population identifying as white and 21% as other races, the County recognizes the critical importance of Diversity, Equity, Inclusion, and Accessibility (DEIA) and environmental justice. Within the past decade, the County has seen significant growth and increase of previous diversity demographics. This increase in diversity has also shown increased poverty rates, with significant disparities observed among women, Black or African American individuals, and Native American and Alaska Native populations. The proposed project benefits communities, including those that have faced a lack of resources or other challenges, by ensuring that all residents, particularly those from underserved or historically marginalized groups, have access to essential waste management and recycling services. Despite Douglas County’s demographic composition, the County is committed to addressing environmental justice and equity

concerns by targeting communities that may have experienced barriers to proper waste management, environmental hazards, or limited access to recycling programs. This includes improved access to resources, and reduction of environmental impacts.

The County faces significant service gaps related to transportation access and housing. The dangers of waste and the burden of housing are closely interconnected, as improper waste management and inadequate housing conditions can exacerbate environmental and public health issues and increase the risk of illegal dumping. Underserved groups have historically faced environmental burdens, such as exposure to pollution, waste sites, and other hazards. Without access to recycling services or effective waste management, these communities continue to suffer the negative consequences of improper disposal, pollution, and landfill reliance. Additionally, improper waste disposal and over-reliance on landfills can lead to environmental contamination, including air and water pollution. This disproportionately impacts residents living near these sites, contributing to pest infestations, higher disease rates, and worsening existing health conditions. Recognizing that some residents have limited access to transportation or recycling facilities, this project will establish several collection sites at frequently visited locations, such as grocery stores and working with local K-12 schools where previous drop sites have been established. Additionally, the County has future goals to collaborate with local community groups, including those serving elderly or disabled residents, to offer a pick-up service or arrange drop-off locations.

The County is committed to ensuring equal access to resources, opportunities, and protections for all community members, particularly those from historically marginalized or underserved groups. Its environmental policies, including waste management and recycling, are designed with inclusivity in mind, aiming to benefit all residents, especially those who have faced barriers. The County is dedicated to environmental justice, ensuring vulnerable populations, including low-income communities and people of color, are not disproportionately impacted by environmental hazards. By integrating DEIA and environmental justice principles, the County seeks to create a more equitable, sustainable community. The County will engage with residents, stakeholders, and vendors through outreach, workshops, school engagements, and collaborations with community groups. Public engagement platforms like meetings, surveys, and social media will facilitate communication. Additionally, a diverse Community Advisory Committee will provide guidance and ensure the program meets local needs. Transparency practices will include publicly available progress reports on MSW collection via the Public Works website.

iv. Measuring Environmental Results: Anticipated Outputs and Outcomes

a. Anticipated Outputs and Outcomes

Please see page xx for the completed outputs and outcomes.

v. Programmatic Capability and Past Performance

a. Past Performance

List of federally and/or non-federally funded assistance agreements (3 years)				
Award Name	Period of Performance	Awarding Agency	Grant Program	Award Amount
Transformational Homelessness Response (THR) – Street Outreach, Emergency Shelter	2024-2026	Colorado Department of Local Affairs	Transformational Homeless Response	\$1,600,000 with a \$968,000 match
Colorado Correctional Treatment Board Local Funding Program (CTB)	2022-2023	Colorado Correctional Treatment Board	Colorado Correctional Treatment Board (CTB)	\$25,000
Douglas CO SO FY23 HVE	2022-2023	Colorado Department of Transportation	HVE DUI	\$35,000
Fiscal Year 2023 Click it or Ticket Award	2023	Federal Highway Administration	Seat Belt Grant	\$16,000
Community Service Block Grant (CSBG) CSBG-24-010	2024-2026	U.S. Department of Health and Human Services	Community Services Block Grant (CSBG)	\$15,005

b. History of Meeting Reporting Requirements

The County has successfully administered several federal grant awards. The Department of Community Development currently manages multiple state and federal grants including Emergency Rent Assistance 1 and 2, Cares Act. Community Services Block Grant, and Federal Transportation Administration 5310 funds, Older American Act funds, Emergency Solutions Grant funds and State Transformational Homeless Response Grant. In the past, the Department has also managed the Community Development Block Grant. Since 2016, the County has utilized and leveraged several grants to support the Douglas County Cares collaborative. This multi-partner collaborative provides supportive services to families and to residents by providing access to housing through rental assistance. Additionally, through ERA 1 and 2, the County has worked collaboratively with partners to successfully provide over \$12 million in rent assistance and support.

c. Staff Expertise and Qualifications

Tania Dawson, Project Manager, has been working in the environmental field since October 2016, accumulating over eight (8) years of experience. She has been with Douglas County for nearly six (6) years, currently managing the Electronic Recycling, Green Waste, and Leaf Drop programs. Her role for this project includes managing the Waste Diversion Center, overseeing all

related responsibilities, such as vetting vendors, site development, purchasing equipment and required reporting for the grant.

Ken Worthington, Technical Expert, is an accomplished project manager offering over fifteen (15) years of experience, including comprehensive background, in environmental consulting, geology, compliance, and team leadership. He has proven expertise in environmental site assessment including soil, groundwater and vapor, remediation strategy implementation, sampling and monitoring, and health and safety. Ken also brings extensive experience in lifecycle budgeting, quality control, and leading project teams. He will be responsible for reporting requirements and primarily assist in the development and running of the WDC facility.

Jared Tanaka, Environmental Inspection Supervisor, has been dedicated to environmental causes for nearly fifteen years by ensuring compliance with Federal, State, and local regulations as an Environmental Compliance Specialist with the State of Maryland's Department of the Environment and an Environmental Inspection Supervisor for Douglas County, Colorado. Currently, Jared manages an environmental team that has continuously delivered maximum results with limited public resources while focusing efforts on reducing unnecessary material production and landfill impacts. Jared will oversee delegated staff's management of the program's public education, pollution prevention, vendor relations, and site operations.

vi. Budget and Expenditure of Awarded Grant Funds

The following policies ensure sound fiscal management: Budgets are adopted annually in accordance with Colorado Revised Statutes (C.R.S) Title 29, Article 1, and prepared following Generally Accepted Accounting Principles (GAAP) as defined by the Governmental Accounting Standards Board (GASB). Budgets are required for all County governmental and proprietary funds. Vouchers of \$25,000 or more require review and signatures from the Director of Finance and County Manager. Vouchers of \$100,000 or more also require approval from a County Commissioner. Purchase Orders under \$100,000 are approved by the County Manager, while those \$100,000 or more are approved by the Board of County Commissioners at a public meeting. The County uses Oracle's JD Edwards accounting software to process financial records and undergoes an annual single audit, with findings made available to the public for accountability.

Output/Outcome	Quantitative Target	Qualitative	How it will be tracked
Number of infrastructure investments/enhancements made spanning the spectrum of collection through end market development	-4 roll-off dumpsters (10cy, 15cy, 20cy, 30cy) -1 Front End Loader -2 Roll-off trucks -1 Utility truck -1 Bobcat -2 Compactors (30cy) -2 UTV's - 6 Conex shipping containers	Output: Engage contractors with the necessary expertise and resources for materials, establishing reliable business relationships. Develop systems and strategies that enhance the scale of operations to meet growing demand efficiently. Outcome: Build a collaborative network of reliable contractors, ensuring high-quality material sourcing and reduced delays. Achieve scalable growth while maintaining product quality, operational efficiency, and customer satisfaction.	The County will utilize receipts to track target number of infrastructure investments/enhancements made spanning the spectrum of collection through end market development
Tons of MSW/C&D collected, recycled, composted, or managed via each relevant management pathway in the community served by the project	-Collected:103,044 tons	Output: Collaborate for K-12 educational projects to raise awareness and promote sustainable practices. Engage and educate farmers, residents, landscapers, and builders to adopt composting as a sustainable waste management practice. Outcome: Cultivate a culture of sustainability within schools, impacting students' behaviors and future involvement in sustainable practices. Promote sustainable waste management practices, reducing landfill waste and enriching soil health through composting.	Calculated by each vendor when they collect the material Recording material provided to each user
Tons of MSW/C&D generated per material type and source in the community served by the project	94312 Tons of Organics (60%H, 40B) 3780 Tons of Scrap Metal 200 Ton of Tires 1440 Tons of Cardboard 1224 Tons of Glass 1140 Tons of Concrete 656 Tons of Paperboard & Mixed Paper 292 Tons of Mattresses & Box Springs	Output: Identify, test, and implement innovative recycling methods that support the principles of the circular economy and align with state sustainability goals. Outcome: Contribute to a more sustainable, circular economy by reducing waste, conserving resources, and helping the state achieve its environmental goals.	Monitoring and documenting the tons of Municipal Solid Waste (MSW) and Construction & Demolition (C&D) materials generated per material type and source within the community
GHG reduced (in metric tons of carbon dioxide equivalent/MTCO ₂ e) from collection, recycling, composting or management via other management pathways	GHG emission reductions: 5920 MTCO ₂	Output: Implement initiatives and actions aimed at reducing air pollution and carbon emissions within the community. Outcome: Achieve measurable reductions in air pollution and the community's overall carbon footprint, contributing to better health outcomes and environmental sustainability.	Calculated using EPA's Waste Reduction Model

Number of temporary or permanent jobs created;	6 / annually	Output: Develop and implement programs aimed at creating job opportunities, internships, and pathways for career development in the sector. Outcome: Provide sustainable economic growth by increasing employment and developing a skilled workforce in the sector, while improving access to career opportunities for underserved groups	Through HR and hiring manager
Percentage of political subdivisions served because of establishing, increasing, expanding, or optimizing collection	Town of Castle Rock(70%,) Town of Parker,(60%) HR (80%) Larkspur (30%), Franktown(30%) Littleton (70%) Lone Tree (30%)	Output: Implement data-driven strategies to monitor and increase participation in community programs, ensuring that outreach efforts are effective and inclusive. Outcome: Increase community involvement through targeted outreach and evidence-based strategies, ensuring broad participation and engagement from underserved populations.	Tracking will involve gathering data from service providers and waste collection reports, comparing population coverage and participation rates before and after program implementation.
Number of disadvantaged communities served (as defined by this solicitation) because of establishing, increasing, expanding, or optimizing collection	5% / annually	Output: Conduct outreach initiatives to gather feedback and assess whether current participation levels need to be increased in specific programs or areas. Set up satellite collection points in targeted areas to increase convenience and accessibility for community members to participate in recycling or waste programs. Outcome: Analyze the data from outreach efforts to determine areas where participation can be increased and implement strategies to boost engagement. Improve accessibility and participation in community recycling or waste diversion programs, making it easier for residents to engage	Tracking relevant census / EPA reports for disadvantaged areas based on use of the program
Number of internships	1 / annually	Output: Create and expand internship opportunities within the sector to provide valuable work experience, skill development, and career pathways for students and early-career individuals. Outcome: Provide valuable work experience and career pathways for participants, increasing their employability within the sector and beyond.	Through HR and hiring manager
Number of partnerships established outside of the County	Jefferson County, Arapahoe County, El Paso County, Elbert County, Teller County	Output: Launch and expand outreach campaigns to educate the public on Municipal Solid Waste (MSW) programs and their role in reducing greenhouse gas (GHG) emissions, carbon footprint, and landfill use. Outcome: Foster a more sustainable mindset among residents and businesses by increasing their participation in MSW programs, leading to a reduction in GHG emissions and landfill waste.	Documenting formal agreements, memorandums of understanding (MOUs), and other partnership agreements with these counties

Budget Table and Description

Budget Table			
<i>Items</i>	<i>Total Costs</i>	<i>Requested from EPA</i>	<i>Recipient Costs</i>
Personnel	\$1,272,540	\$1,272,540	\$0
Fringe Benefits	\$307,887	\$0	\$307,887
Travel	\$0	\$0	\$0
Equipment	\$861,000	\$861,000	\$0
Supplies	\$2,000	\$0	\$2,000
Contractual Costs	\$3,750,000	\$16,460	\$3,733,540
Eligible Construction Costs	\$850,000	\$850,000	\$0
Other Direct Costs	\$2,000,000	\$2,000,000	\$0
Indirect Costs	\$0	\$0	\$0
Management Fees	\$0	\$0	\$0
Fundraising Fees	\$0	\$0	\$0
Total	\$9,043,427	\$5,000,000	\$4,043,427

The County's staff will be responsible for project management of the WDC program and related activities. The project cost comes to a total of \$9,043,427.00. The County is requesting \$5,000,000.00 from SWIRF in Federal Funding. A recipient cost share has been calculated at \$4,043,427.00 (44.7%). This cost was determined by the following: $\$4,043,427 / \$9,043,427 = 44.7\%$. This is for initial costs and three (3) years of operation through December 2028.

Douglas County is aware that if its proposals include the use of Federal funds for projects involving the purchase of goods, products, or materials for the construction, alteration, maintenance, or repair of infrastructure in the United States under identified EPA financial assistance funding programs, it must comply with the Build America, Buy America (BABA) provisions. This ensures that all materials and products used in such projects meet the requirements of BABA, supporting domestic manufacturing and the use of American-made goods.

Personnel

Personnel costs include salaries for six full-time employees who will be employed for three years of operations, from January 2026 to December 2028. The breakdown of salaries is as follows:

- (3) CDL Equipment Operators at \$71,870 per year each
- (2) Cashiers/Grounds Attendants at \$57,474 per year each
- Crew Supervisor at \$93,622 per year

These personnel will be critical to the day-to-day operations of the program, ensuring efficient management of equipment, customer service, and overall site supervision. The total personnel costs reflect the salary for each position over the three-year operational period.

Fringe Benefits

Fringe benefits for the three years of operations (January 2026 to December 2028) include FICA, retirement, health insurance, and other benefits for all six employees. These benefits will be based on each employee's salary and aligned with Douglas County's policies, supporting the staff's health, retirement, and financial security throughout the program.

Equipment

The following equipment will be purchased for the program's operations, ensuring efficiency and capacity to handle waste diversion and related activities. The total equipment costs are as follows:

- **(4) Roll-off Dumpsters (10cy, 15cy, 20cy, 30cy)** - \$20,000: These dumpsters will be used for the collection and transportation of various types of waste.
- **Front End Loader** - \$220,000: This heavy-duty equipment is essential for handling large volumes of waste and materials at the facility.
- **Roll-off Trucks (Single Axle and Dual Axle)** - \$410,000: These trucks will be used for transporting roll-off dumpsters and managing the movement of waste.
- **Utility Truck** - \$50,000: This vehicle will support general operations and transportation needs across the site.
- **Bobcat L28 Small Articulated Loader** - \$48,000: A versatile piece of equipment for loading, lifting, and moving materials in confined spaces.
- **UTVs** - \$26,000: These utility vehicles will be used for site maintenance, monitoring, and transporting personnel and small materials.
- **Compactors (30cy)** - \$62,000: These compactors will help reduce waste volume and optimize space in the dumpsters and containers.
- **(6) Conex Shipping Containers** - \$25,000: These containers will be used for storage of equipment, materials, and other resources needed on-site.

The total cost for all equipment is necessary to support the daily operations of the waste diversion program, enhancing its capacity and effectiveness over the three-year operational period.

Supplies

- **(3) Laptops/Tablets** - \$1,800: These devices will be used by staff for data entry, communication, and management tasks related to the waste diversion program.
- **Office Supplies** - \$200: This amount will cover the cost of general office supplies needed for day-to-day operations, including paper, pens, and other administrative materials.

These supplies are essential for ensuring that staff can perform their duties effectively and maintain the smooth operation of the program.

Contractual Costs

The following costs are associated with third-party vendors and consulting services required for the successful operation of the waste diversion program from January 2026 to December 2028:

- **Third-Party Vendors for Waste Streams** - \$3.6 million: These funds will cover the costs for third-party vendors responsible for managing and processing various waste streams, including glass, scrap metal, cardboard, organics, tires, concrete, paperboard & mixed paper, mattresses and box springs, and electronics. The vendors will ensure proper disposal, recycling, and diversion of these materials, which is essential for the program's waste reduction goals.
- **Consultant for State Permitting** - \$50,000: This amount will be allocated to hiring a consultant to assist with the state permitting process required for the program's operations. This includes ensuring compliance with state regulations and securing necessary permits for the facility.
- **Consultant for Engineering Design** - \$100,000: These funds will be used to hire a consultant for the engineering design phase of the project. The consultant will provide technical expertise in designing the infrastructure, equipment, and layout of the site to ensure its operational efficiency and compliance with safety and regulatory standards.

These expenses are critical for ensuring the proper handling of waste streams, obtaining the necessary permits, and completing the engineering design to support the long-term success of the program.

Eligible Construction Costs

The following eligible construction costs are necessary for the development and operation of the site from January 2026 to December 2028:

- **Site Development** - \$850,000: This includes all construction activities required to prepare the site for operation. Specific tasks will include site grading, road improvements, installation of utilities, construction of concrete bunkers for material collection and storage, and other necessary infrastructure to ensure the site operates efficiently. These activities are crucial for establishing a functional and sustainable waste diversion facility.

Other Direct Costs

- **Land Acquisition** - \$2.0 million: This amount will be used to purchase land from the current Sedalia Landfill facility, which is operated by Waste Connections. Acquiring this land is essential for the expansion and development of the waste diversion program, providing the necessary space for infrastructure, operations, and future growth.

Total Costs

The total costs for the project are \$9,043,427, with the funding split as follows:

- **\$5,000,000 (EPA Request):** This amount represents the requested funding from the EPA to support the project.
- **\$4,043,427 (Recipient Costs):** These are the costs to be covered by the recipient, including any matching funds or contributions from other sources.