



COLORADO PARKS AND WILDLIFE
2023 Human-Bear Conflict Reduction Grant Application Form

PLEASE USE THIS FORM AND COMPLETE ALL SECTIONS
 Email completed form to Travis Long(travis.long@state.co.us)

Project Name:	Boulder County Human-Bear Conflict Reduction Project
Amount Requested:	\$ 107,225
Project Location: (attach map if applicable)	Community of Eldorado Canyon, Town of Nederland, Town of Niwot, Community of South Longmont

Applicant Information:

<i>Lead Organization</i>			
Primary Contact:	D'Ann Lambert, Grant Coordinator	Organization:	Boulder County Parks and OpenSpace
Phone Number:	303-678-6276	Email address:	dlambert@bouldercounty.org
<i>Partner Organization (if applicable)</i>			
Primary Contact:	Brenda Lee, President	Organization:	Boulder Bear Coalition
Phone Number:	303 246-4544	Email address:	brenda@boulderbearcoalition.org
<i>Partner Organization (if applicable)</i>			
Primary Contact:		Organization:	
Phone Number:		Email address:	

Local District Wildlife Manager Contact Information:

Name:	Joe Padia; Sam Peterson	Have you contacted this DWM about your proposal?	YES	NO
Phone:	303 906-3643; 970 776-6939		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Email:	joe.padia@state.co.us; samuel.peterson@state.co.us			

A. PROJECT DESCRIPTION:

Applications will be evaluated based on how well they support the goal of reducing conflicts between local communities and black bears. Include prior and future efforts in the community to reduce conflict as well as the potential benefit of the project to other communities (i.e. model a novel technique, establish a process for bear-proofing, creating a new program that could be modeled elsewhere).

[A1] Please describe the project for which you are requesting funding.

Human-bear conflict is a long known problem within the rural and mountain communities in Boulder County. While many of these communities know how to keep bears away, Colorado is seeing a large influx of new residents and tourists from states that do not have bears, thus creating a crucial need for outreach, proactive removal of attractants and an increase in the use of deterrents.

In applying for the Human-Bear Conflict Resolution Grant, Boulder County and its partner, Boulder Bear Coalition, aim to provide tangible tools and much needed support to residents in three Boulder County communities.

Boulder County Parks & Open Space (BCPOS) will act as the fiscal agent and grant administrator in partnership with Boulder Bear Coalition (BBC) to purchase proven bear deterrent solutions with the focus on addressing bears that have habituated into the community. Elements include providing bear-resistant trash containers, electric fencing kits, fencing installation and much needed community support. In doing so, BCPOS supports the ongoing actions of rural and mountain residents to reduce conflicts with bears stemming from attractants such as unsecured garbage and hobby apiaries.

The project also addresses the interest of CPW to increase awareness within these three communities concerning how to live responsibly with bears and other wildlife. To help support the diverse aspects of this proposal, we are proposing the grant provide funding for a Wildlife Partner to manage the project and work to engage landowners to participate.

[A2] Please describe the need for this project. What kinds of conflict is the community currently experiencing? Please include details regarding: duration of conflict (how long has your community been experiencing conflict), intensity of conflict, and frequency of conflict.

Mountain communities are prone to human-bear conflicts due to the nature of rural living, with homes near public lands and the wild landscapes where bears live; and the characteristics of human development that cultivate interactions with wildlife. Mountain neighborhoods and communities can experience ongoing and repeated events of nuisance behavior and habituation of bears that may lead to safety concerns, property damage, and possible unnecessary euthanasia of a bear. In addition, the increase of bears moving further east is a cause for implementing proactive measures to reduce the need for the relocation or euthanization of bears. It is crucial that these communities have the tools and information needed to reduce the risk of harm to humans or bears.

Boulder County District Wildlife Managers (DWM) have identified three distinct communities in Boulder County that would greatly benefit from a focused effort to reduce human-bear conflict.

(1) Nederland

Nederland is a mountain community located near Barker Meadow Reservoir in the foothills of southwest Boulder County. According to the local DWM Sam Peterson, Nederland is an area with increasing bear activity that would benefit from greater community involvement and better trash management. While this mountain community is known for underreporting bears to CPW, in the last 3 years two bears were euthanized in this area. Oftentimes by the time CPW hears about a habituated bear, it is too late to correct the behavior and the bear is euthanized. Because of an increase in tourism, part-time summer residents and new residents who have no experience with bears, wildlife managers see this area as a growing problem and see great potential benefit in addressing the issue before it becomes a crisis.

Most residents in Nederland take their trash to the Nederland Transfer Station as having a waste hauling service in Nederland is very costly, and residents can drop off trash at the transfer station for a fraction of the cost. According to the station manager, the transfer station in Nederland serves around 600-1000 residents a week. Plus they have a prepaid bag account program that serves about 1500 people.

Many of these residents do not store their trash in a secure enclosure before taking their trash to the station. With a particular focus on Old Town, a lower income neighborhood with approximately 150 homes, and known to have bear issues, this grant would provide bear resistant carts to residents who otherwise would not be able to afford them. Cans will also be available to residents on the outskirts of town, as those residents have seen an uptick in bears getting into trash over the last few years.

In addition to bear resistant cans, we will increase local community involvement including working with the Board of Trustees, business owners, residents, CPW and advisory boards to further identify problem areas (e.g. dumpsters and oil vats behind restaurants) and brainstorm solutions.

(2) Eldorado Springs

Eldorado Springs, an unincorporated community with 559 residents, is located southwest of Boulder at the entrance to Eldorado Canyon State Park. According to the local District Wildlife Manager Sam Peterson, Eldorado Springs is an area with increasing bear activity that would benefit greatly from this year's grant opportunity.

Since CPW officers began using the CPW bear tracking app in 2019, Eldorado Springs has seen an 8-fold increase in bear conflict reports. As recent as last summer, a bear came within 6 feet of a child, alarming residents and highlighting the need to keep bears away from people, out of town and out of trash. Known for historically under-reporting bear incidents, Eldorado Springs is an

example of a small unincorporated community that struggles with remaining independent but also wanting to protect bears and people.

While many residents in Eldorado Springs have bear resistant cans and despite strong local efforts, there continues to be a problem with bears in the community. Community members who have been tracking human-bear conflicts in Eldorado Springs for the last decade have identified the main problem as a few residents who refuse to properly secure their trash. Frightening those wanting to help, and with no legal recourse to ensure compliance, the community is left with an ongoing problem of bears coming into the community in search of trash.

This example highlights the importance of local involvement and support from those outside of the community. Residents in the area have a lived experience of what the issue is but do not know what steps to take to resolve it. This grant will provide support to the community from our designated Wildlife Partner to work with the community, local officials, County Commissioners, enforcement and CPW Wildlife Managers to develop a plan for how to ensure that all residents properly store their trash.

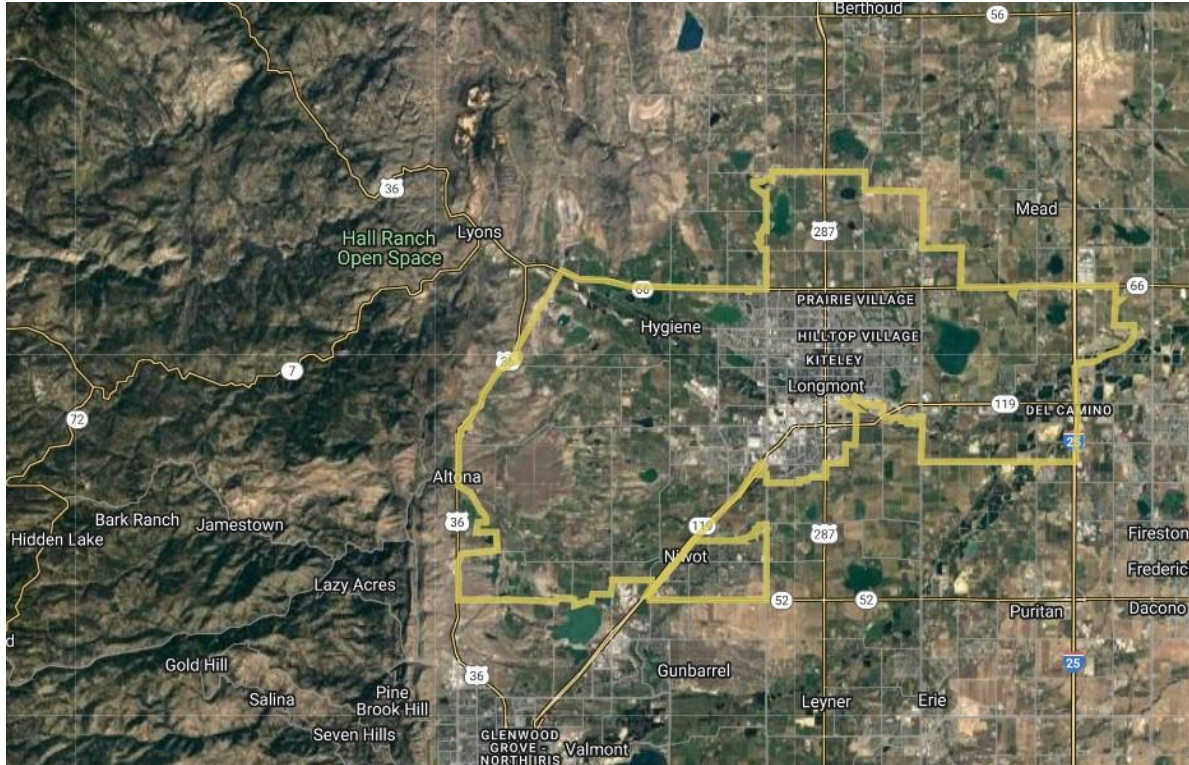
Since this is an issue in many unincorporated communities across the state, this will provide a model on how to work with small communities to reduce attractants that bring bears into town.

For details on what the community in Eldorado Springs has done to reduce human-bear conflict, please see Attachment 1: Eldorado Springs

(3) Niwot / South Longmont

Longmont and Niwot are located along the northern Front Range in Boulder County. Niwot is an unincorporated community located just south of the City of Longmont. While Longmont stretches West to the foothills of the Rockies, the town of Niwot is located roughly 25 miles from the foothills. It is worth noting that Niwot is located on the east side of the Diagonal Highway as well as the east side of the railroad tracks, and bears are frequently seen crossing the highway and are occasionally hit by cars, putting both people and bears in extreme danger.

The St Vrain Creek drains part of the foothills north of Boulder and bears most likely follow the creek 20+ miles from the mountains through the southern part of Longmont and then along LeftHand Creek into Niwot. Much of this land is dedicated to agriculture and farming but is rapidly being developed. It is likely that human-bear conflict will continue to increase in this area as bears moving east looking for territory end up staying as they find an excellent source of water, shelter and food.

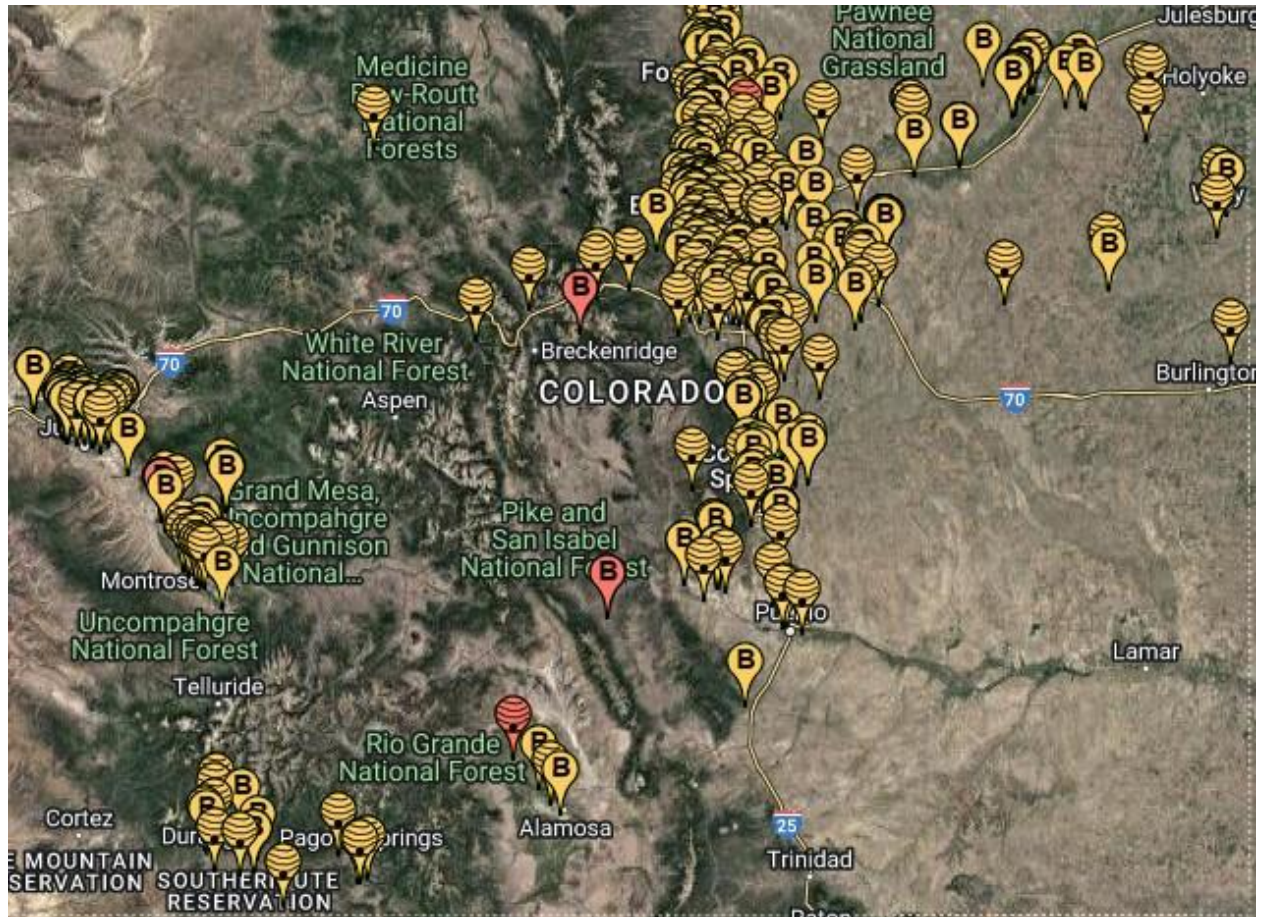


Map outlining location of Longmont and Niwot (Niwot is in lower right hand corner)

Last year, a bear was sighted near fast food restaurants in South Longmont. Upon seeing cars, the bear ran to the nearby creek. Another bear was relocated from Niwot as she had been spending too much time around livestock and apiaries. Commercial beekeepers can qualify for free electric fencing materials from CPW, which is more cost effective than reimbursing a beekeeper for damage caused by wildlife. However hobby beekeepers do not qualify for free materials and yet these are a common attractant for bears.

According to the Boulder County Beekeepers Association, there are approximately 50 hobby beekeepers in the Niwot and Southern Longmont area. Our electric fencing program will supply electric fencing materials for up to 10 hobby beehives in the Niwot/South Longmont area, with a priority on apiaries that have experienced bear activity. In addition to material costs, the installation of electric fencing is often a barrier for hobby beekeepers, thus this program includes a workshop hosted by an internationally known expert in installing electric fencing specifically as a bear deterrent. The workshop will be open to beekeepers who wish to do their own installation and will also train members of our team who will then install fences for those needing assistance. We plan to do substantial community outreach to alert residents of the more frequent bear sightings and ways to reduce attractants. We will also install motion sensor cameras on all provided electric fences to track the effectiveness of the fencing. Current videos of bears in one's own community are also a great educational outreach tool for promoting the use of electric fencing.

The following map of registered beehives in Colorado illustrates how common beehives are across the state. However this is likely around a fifth of the actual number; according to the Colorado Beekeepers Association, most hobby beekeepers do not register their beehives.



We would like to see this program serve as a model for communities across Colorado.

For details on what the community in Niwot / Longmont has done to reduce human-bear conflict, please see Attachment 2: Niwot/S Longmont

[A3] How will this project reduce or prevent human-bear conflict?

This project reduces human-bear conflict by:

- Providing bear-resistant trash containers to address an issue most cited as the primary reason for human-bear conflicts: unsecured household garbage. BCPOS will cover up-front costs and bulk ordering of bear-resistant trash containers for individual use. Boulder Bear Coalition will work with residents to deliver the containers.

- Providing outreach to address human-bear conflict issues through private landowner relationships developed by the Wildlife Partner position. In addition to this position, community groups such as Eldorado Bear Alliance and Boulder Bear Coalition will provide ongoing support for reducing attractants.
- Electric fencing kits for distribution to hobby beekeepers resulting in negative human-bear interactions.
- Installation workshop to educate beekeepers on the proper way to set up and maintain an electric fence. This workshop will help to reduce fear of, and increase use of electric fencing to keep bears away.

[A4] How will this project benefit the community?

Benefits to the community include:

- Support of a Wildlife Partner position to engage landowners as part of a greater wildlife conservation effort. This position will also provide follow-up monitoring by contacting recipients of bear-resistant carts and electric fencing and arranging bear-specific educational events. The position will allow for 20% of time for execution of the program, follow-up, and public engagement.
- A supported way for homeowners or tenants to acquire a bear-resistant trash cart at an affordable price.
- Support to an unincorporated community (and local DWM)
- Reduction of negative human-bear interactions and undesirable outcomes for bears.
- Increase access to deterrents such as electric fencing kits for deterring bears from human infrastructure or food sources.
- Provide crucial support to residents who are leading efforts to reduce human-bear conflict
- Increasing the use of electric fencing in Niwot, South Longmont area will reduce bears habituating to the area, keeping motorists, residents and bears safe.

[A5] Has this community already benefited from prior human-bear conflict projects or investments?

In some areas of Boulder County, programs have been implemented to address conflicts in specific communities. One example of this is the City of Boulder enacted a Bear Protection Ordinance requiring all trash to be secured. In 2012, the community of Eldorado Springs was awarded a Boulder County Community Outreach Program Grant that provided 42 bear resistant carts to residents. Last year, Boulder Bear Coalition volunteers installed two CPW electric fences around commercial apiaries in South Longmont and Niwot in addition to tabling at two community events to educate the community about ways to reduce human-bear conflict and to better understand where bears were in town.

B. COMMUNITY SUPPORT:

Successful applicants will demonstrate local community support. This can be done with letters of support, documented participation in public meetings, membership in local organizations, and partnerships. Community support can also be demonstrated with in-kind contributions or matching funds (outlined in next section).

[B1] Please describe local community support for this project. How has the local community been engaged on this proposal? In general, what feedback have you received on this project or bear conflict in the area?

- The local DWM for Nederland and Eldorado Springs is in full support of these projects, as these are areas that he believes need attention, especially given the historically under-reporting of conflict and the increase in tourism and new residents moving from non bear country.
- The Eldorado Bear Alliance has been working with their community for over a decade to reduce human-bear conflict. They would be grateful for help on identifying a clear solution to the ongoing trash issue by a few residents.
- A member of the Nederland Sustainability Advisory Board supports efforts to provide bear resistant carts to residents as it is in-line with their current efforts.
- According to conversations with Boulder County Beekeepers Association, beekeepers in the Niwot/South Longmont area are interested in having fencing available as well as learning how to install and maintain proper fencing.
- Joe Padia, DWM for Niwot /South Longmont is in full support of increasing the use of electric fencing around hobby apiaries in this area.

[B2] What has the community done in the past to address human-bear conflict?

As a small mountain community with little funding, residents of Eldorado Springs have relied on grassroots efforts and volunteers to educate residents on the importance of reducing interaction with bears. This group applied for grant funds from the county in 2012 and received 42 bear resistant trash carts to provide to residents for free. Volunteers continue to maintain these cans. Roughly 1200 hours have been spent by volunteers over the last decade tracking bear issues and educating residents about the connection between bears and trash.

Boulder Bear Coalition volunteers provided approximately 60 hours in 2022 working with communities in the Niwot and South Longmont -tabling community events, researching bear movement corridors, installing cameras to help Olin Farms identify bear activity, talking with multiple farmers, installing 2 CPW supplied electric fences.

There have been some outreach efforts in Nederland over the last decade, however Nederland is known as a community that prefers little oversight. This highlights the importance of a strong community lead group that works well with local officials. This relationship is crucial for continued

efforts to reduce conflict and fortunately is something BBC is very skilled at and has experience doing.

[B3] Are there additional projects/efforts to reduce human-bear conflict planned or in progress?

In addition to receiving bear-resistant trash carts, the Nederland Sustainability Advisory Board is working to develop sustainable, in-town composting options for recycling kitchen waste and returning quality compost to residents. They are currently applying for at home composting systems to provide to residents for free. Creating and maintaining private compost areas that are bear-proof will be a primary concern and will be part of our ongoing support. We also want to understand if there is a need for bear resistant dumpsters and oil vats behind restaurants in Nederland.

BBC will continue working with local DWM to identify other attractants that need to be addressed in the future, such as orchards and using exclusionary fencing.

[B4] How do you plan to continue to engage relevant communities through this project? What goals do you hope to achieve through community engagement, and how is the outreach and education you plan to do designed to achieve those goals?

The first steps will be to notify residents of the opportunity available and identify interested recipients. To ensure residents are vested in the project, the recipient will be asked to pay \$25 for a bear resistant trash can, however no one will be turned away due to lack of funds. This represents about 5% of the estimated cost per can. Education on proper use of the trash carts will ensure the intention of the program is met.

We will attend the Boulder Beekeepers Association and Northern Colorado Beekeepers Association meetings to inform them about the electric fence program. We will work with the local DWM to help identify farms in the most need due to bear activity in the past. We will schedule the electric fencing installation workshop and spread the word for attendees.

We will engage these communities using social media (Nextdoor, FB, Instagram), local newspapers (articles and LTE) and provide community presentations. Plus we will attend meetings with local officials, business owners and residents to further understand the issues and develop collaborative solutions.

Goals we wish to achieve through community engagement include supporting residents to use bear-resistant carts to reduce conflicts with bears and other wildlife, creating a dialog about the risk unsecured trash poses to bears, continuing to educate residents about living with wildlife such as bears, and compelling new residents to follow the lead of neighbors to adopt these practices. Through the Wildlife Partners position, collaborative efforts and partnerships will be developed that encourages conservation efforts and responsible cohabitation with wildlife. Outreach and education can be tailored to the community, just as this application outlines that mountain community culture and access to resources varies, as does the level of community

response to bear conflict reduction measures.

For adults or families interested in knowing more about the bears in their neighborhood, game cameras provide an excellent source of photos and footage for continuing education and inspires conversation about living with bears.

C. PROJECT COSTS:

Please be as specific as possible and include quotes if available. In-kind contributions can be calculated at market value or \$20/hour for labor.

[C1] What is the total estimated cost of the project?

The total estimated project cost including cash and in-kind match is **\$117,250**. BCPOS staff obtained per unit costs through quotes from manufactures of bear resistant carts and electric fencing. Actual purchases will follow Boulder County procurement policy to obtain 3 quotes for purchases over \$10,000.

[C2] Are there matching funds or in-kind contributions? Include who is providing the matching funds or in-kind contributions.

Boulder County is providing in-kind website support for ordering and paying for carts; handling and storing carts before distribution; vehicle and personnel to transport and unload cans in Nederland.

Volunteers from Boulder Bear Coalition and the three communities will be responsible for following up with a survey and other communication to identify residents wanting to purchase bear trash carts and/or electric fencing.

These same volunteers will also be involved in organizing and overseeing the distribution of carts, and outreach within each community.

The cost estimate assumes 7 volunteers (2 volunteers Eldorado Springs; 2 volunteers Nederland and 3 volunteers Niwot/South Longmont) working 40 hours over the course project timeline ending June 30, 2024 for a total of 280 hours.

[C3] Please itemize total estimated costs and expected grants or contributions for the project including matching funds and grant request.

Complete the following tables; use cost categories such as materials, equipment rental, contracts, etc. Indicate if matching contributions have been secured, or when pending matching contributions are likely to be attained. Insert or delete rows as needed in the tables. Include a

narrative or footnotes explaining how cost estimates were derived. • Please itemize total estimated costs and expected grants or contributions for the project including matching funds and grant request. See attached table (page 8).

Activity / Expense Summary

Activity/Expense Description	CPW Grant \$	Partner Name	Partner Cash Match	Partner In-Kind Time	Total \$ for Activity
Materials	\$79,225	Boulder County	\$0	\$0	\$79,225
Handling, storage and transportation of carts to Nederland	\$0	Boulder County	\$0	\$4,425	\$4,425
BBC: Project Mgmt and outreach	\$23,750	Boulder Bear Coalition	\$0	\$0	\$23,750
BCPOS: Project coordination	\$4,250	Boulder County	\$0	\$0	\$4,250
Volunteer: Orders, survey support, distribution	\$0	Boulder Bear Coalition	\$0	\$5,600	\$5,600
Total	\$107,225		\$0	\$10,025	\$117,250

Partner Contribution (total of activities/expenses listed above)

Partner Name	Total \$ Per Partner	% of Total
Boulder County	\$4,425	44%
Boulder Bear Coalition	\$5,600	56%
Total	\$10,025	100%

Detailed Cost Breakdown

Item	Unit	Quantity	Unit Cost	Estimated Cost
Kodiak 95g Bear Cans w/shipping	Each	175	\$363	\$63,525

(2) Staff: est 3x load/unload; transport time to Nederland	Hours	25	\$45	\$1,125
Vehicles: Truck (\$2k), trailer (\$800), forklift (\$1k), fuel (\$500)	Each	1	\$3,300	\$3,300
BBC: Project Mgmt and outreach	% Annual salary	25%	\$95,000	\$23,750
BCPOS: Project Coordination	% Annual salary	5%	\$85,000	\$4,250
Volunteer Monitoring	Hour	280	\$20	\$5,600
Electric Fencing Workshop (Owner Margo Supplies Wildlife Technology)	Each	1	\$1,000	\$1,000
Electric Fencing Installation	Each	10	\$420	\$4,200
Electric fencing: Margo Supplies Wildlife Technology Heavy Duty Kit (or similar)	Each	10	\$725	\$7,250
Browning Spec Ops Elite HP4 Trail Camera or similar	Each	10	\$200	\$2,000
Camera security boxes	Each	10	\$25	\$250
Locks for cameras	Each	10	\$20	\$200
Batteries, SD cards equipment bundle	Each	10	\$80	\$800
Total				\$117,250

[C4] What is the timeline for administering funds?

We expect to have bear resistant carts 8 weeks following purchase of cans. We will distribute in late summer, early Fall 2023.

The electric fencing workshop will be held in late summer 2023, with installations following.

Efforts in Eldorado Springs will begin immediately and should be completed by Spring 2024.

D. APPLICANT EXPERIENCE:

[D1] What experience does the applicant and/or partnering organizations have in administering grants or other funding?

BCPOS has been a thankful recipient of multiple federal and state grants to fund open space acquisitions, trail planning and construction, wetland rehabilitation, creek restoration, wildfire mitigation and disaster recovery from flood and fire. The BCPOS department has a dedicated grant coordinator who manages the project accounting, grant reimbursement requests and required reporting and is experienced in administering grants and other funding.

[D2] What experience does the applicant and partnering organizations have in mitigating human-bear conflict?

BCPOS was awarded funds from the 2022 CPW Human-Bear Conflict Reduction Grant. The funding has been a huge success in raising awareness and providing much needed bear resistant trash carts to the communities of Jamestown and Lyons. BCPOS is in an ideal position to take last year's successes and continue these efforts in three additional communities in Boulder County.

For a summary of how these funds were used, see Appendix 3: BCPOS 2022

BCPOS is also excited to be partnering with Boulder Bear Coalition (BBC), a community lead nonprofit organization that has excelled in its dedication to working with CPW and communities in finding innovative and proactive ways to reduce human-bear conflict. Formed in 2012 in response to community mistrust of state wildlife officials, Boulder Bear Coalition has put collaboration with CPW at the forefront of their work. BBC was instrumental in the development and passage of Boulder's Bear Protection Ordinance, which at the time was the largest area to implement such an ordinance and has since been replicated across the state. Recognized across the nation as a leader in how to effectively work with city and state officials to bring accountability to the community in reducing conflict, BBC works to bring dialogue and solutions to the problem.

For a summary of accomplishments, please see Appendix 4: BBC Milestones

E. MONITORING AND FOLLOW-UP:

Evaluating projects is a key part of this program. Part of the evaluation process will be to identify barriers and leverage the knowledge and experience of different communities to benefit all projects. To that end, participation in follow up communications with CPW and other grant recipients will be required, and all successful applicants will be required to allow for inspection of their project.

[E1] How will you measure if the project is a success?

This proposal combines several elements to reduce conflicts with bears in three different

communities, therefore monitoring will be from multiple approaches.

Action:

Distribution of bear-resistant trash carts to interested residents in Nederland in combination with focused educational outreach. This will reduce the number of bear-related conflicts and increase community involvement.

Monitoring:

An observed reduction in bears accessing trash, and appropriate use of bear-resistant trash carts. Reduction in reported incidents as visualized on the CPW tracking app.

Action:

Establishing landowner commitment to living responsibly with wildlife through outreach effort of the Wildlife Partners position.

Monitoring:

Distribution of low-cost bear-resistant canisters in Nederland and community support in Eldorado Springs will be followed-up with a survey to recipients regarding effectiveness of the cart and community support.

Action:

Distribution and installation of electric fencing kits in the Niwot / South Longmont area as needed to protect hobby beehives.

Monitoring:

The accepted use of these tools is currently low due to resident concerns about safety. Success is realized when beekeepers in this area see the value and the ease of which it can be installed. By making it easy to attain, we will demonstrate its value and generate acceptance of electric fencing for resident uses. Recipients will receive a survey regarding effectiveness of the fencing.

Action:

Distribution of game cameras to electric fence recipients.

Monitoring:

The cameras not only capture images of bears unable to access beehives, but also provide a source of photos that will engage residents to observe and better understand the bears in their community. Success is realized when residents are sharing photos and repeating bear-smart and bear-aware messaging to their communities.

Photos generated by game cameras also help identify individual bears, when humans often fail to accurately describe any one individual.

For each community, we will work with Cassandre Venumière Lefebvre, a PhD student at the CSU Center for Human-Carnivore Coexistence on developing an effective survey and strategies for monitoring the proper use of cans and electric fencing.

Appendix 1: Eldorado Springs


HISTORY AND PROGRESSION OF HUMAN-BEAR CONFLICT AND COMMUNITY ACTION IN ELDORADO SPRINGS, CO




<p>2012</p>	<p>Bears are regularly getting into trash. A resident has a bear cub as a pet. Concerned about the increasing problem, Bay Roberts, an Eldorado Springs resident, applies for and receives grant funds from Boulder County Community Outreach Program to purchase 42 bear resistant carts which are distributed free to residents. (At that time, it was not possible to rent bear-proof carts from Western Disposal.)</p>
<p>2012 - present</p>	<p>Education: Bay educates residents on how to use carts properly—sending out quarterly emails encouraging proper use of carts as well as how to minimize human-bear conflicts.</p> <p>Eldorado Springs Community Association (ESCA) holds community events where Bay presents on bear-trash conflicts and the importance of using bear resistant trash carts.</p> <p>Cart Maintenance: Every year, Bay and 2 other community volunteers inventory the remaining carts, oil the lid mechanism and repair the lids on broken carts.</p> <p>Trash Monitoring: Bay maintains a spreadsheet of bear-trash incidents in Eldorado Springs.</p> <p>See grant report update here</p>
<p>2014 - present</p>	<p>After the passage of the Bear Protection Ordinance in Boulder, Western Disposal began offering bear resistant trash carts to all customers. Bay began community outreach to encourage all residents to rent bear resistant carts from Western Disposal.</p> <p>Most residents now either have a bear resistant cart provided from the 2012 grant or are renting a can from Western Disposal.</p> <p>Eldorado State Park increases efforts to reduce human-bear conflict in the park by ensuring that all trash containers are bear proof.</p>

2022	A bear comes within 6 feet of a child, alarming residents and highlighting the need to keep bears away from people, out of town and out of trash.
2022	Eldorado Springs Community Association (ESCA) holds a community event where Bay presents information to the County Commissioners about the continuing problem of bear-trash conflicts, in particular bears that have become habituated to the residents who do not secure their trash. With no repercussions to the offenders, and no ordinance to require compliance, the residents who have been leading the efforts to get residents to secure trash need additional support.
2022	Residents begin dialogue with Boulder County Commissioners Public Affairs Specialist Jennifer Churchill to take steps towards creating a trash ordinance.
2023	Eldorado Bear Alliance (EBA) is officially formed. Bay Roberts leads EBA providing the main community voice to reducing human-bear conflict in the area.

Appendix 2: Niwot/ S Longmont

HISTORY AND PROGRESSION OF HUMAN-BEAR CONFLICT AND COMMUNITY ACTION IN NIWOT/SOUTH LONGMONT, CO

<p>Spring 2022</p>  <p>The screenshot shows the top of a news article from Longmont Leader. The title is "Bear spotted in Longmont Sunday, Monday". Below the title, there is a sub-headline: "Jeff Satur, deputy chief of Longmont Police Services, in an email Monday morning said he hesitated to give specific locations 'because the bear needs to be left alone. In most cases, a bear will move back to better territory once people or dogs stop putting pressure on it.'"</p>	<p>A bear is sighted near fast food restaurants in South Longmont. This causes a stir as this has previously been very unusual.</p> <p>Nearby, Olin Farm owners call CPW to trap a bear that has been on their property, claiming that the bear attacked one of their goats.</p> <p>Boulder Bear Coalition meets with the farmers and sets up a motion sensor camera to monitor bear activity. Olin Farmers comment how they have created a wonderful ecosystem in their backyard. This area is full of overgrown trees, flowing creek and access to apple orchards and livestock.</p> <p>A bear is recorded getting into a trash dumpster located behind the farmers home. Local DWM removes the trap and BBC provides continual education about farmers' responsibility to remove attractants.</p>
Summer 2022	A 2 year old female bear is relocated from Niwot.

	<p>Boulder Bear Coalition volunteers table a community event in Niwot to educate residents about ways to reduce conflict and to learn about why bears are in town and discover that beehives are a common attractant.</p> <p>Boulder Bear Coalition volunteers table a community event at Olin Farms to educate residents about bears in the area and ways to reduce conflict.</p> <p>Walking between Olin Farms and Niwot, it is clear that the bears are likely moving along the creek which is populated with wild plums.</p>
<p>Fall 2022</p>  	<p>Boulder Bear Coalition works with local DWM to identify beekeepers that qualify to receive CPW supplied electric fencing.</p> <p>Volunteers set up two sets of electric fencing at two farms.</p> <p>9/29: Trees and Bees Farm</p> <p>10/1: Squeak and Squawk Farm</p> <p>Boulder Bear Coalition creates a materials list and installation guide for hobby beekeepers</p>

Appendix 3: BCPOS 2022


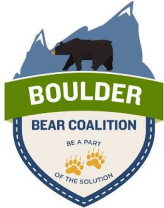
Boulder County Open Space, along with our Jamestown and Lyons partners have successfully and enthusiastically completed several steps towards completing the tasks outlined in our Human Bear Conflict Reduction grant application. Upon receiving the generous award from Colorado Parks and Wildlife, we worked diligently to actualize the envisioned objectives including the following:





- Worked with bear can distributors to determine the best designed and cost-effective models of bear resistant trash carts to purchase for our targeted public.
- Received and stored the 230+ cans, for eventual distribution from two manufacturers.
- Designed a CPW graphic for heat stamping onto each can.

- Built an ordering website for Jamestown and Lyons residents.
<https://bouldercountyopenspace.org/btc/>
- Developed an outreach plan for Lyons and Jamestown, with specific timelines and strategies.
- Planned logistics for can distribution days to occur on Earth Day 2023.
- Worked closely with local District Wildlife Managers, including setting aside several cans for free distribution to areas of concern based on the DWM's knowledge of problem areas.
- Working with a doctoral candidate at Colorado State University to develop monitoring methodology, as well as conduct a socially-targeted survey on success parameters.

Appendix 4: BBC Milestones

BOULDER BEAR COALITION'S MAJOR MILESTONES

<p>2010</p> <p><small>THE DENVER POST Rogers euthanize injured mother bear in Boulder</small></p> 	<p>CPW euthanizes a sow in Newlands neighborhood, her cub escapes capture.</p> <p>Neighbors repeat message: “Whatever you do, if you see a bear in town, don't call CPW. They are bear killers.”</p> <p>Recognizing a clear disconnect between the community and wildlife managers, a community member (who later forms Boulder Bear Coalition) becomes a CPW volunteer in order to learn directly from CPW how bears are managed in town.</p>
<p>2012</p> 	<p>Asking the question: “why are bears in town?” becomes a driving force behind the early days of Boulder Bear Coalition.</p> <p>Talking with trash haulers, walking alleyways it is clear that trash is the number 1 reason bears are in town.</p> <p>Responsibility lies in the city and community, not on CPW.</p> <p>Boulder Bear Coalition is formed as a 501(c)(3) nonprofit</p>
<p>2014</p>	<p>Boulder Bear Coalition volunteers spend hundreds of hours documenting trash, speaking at city council meetings, working with code enforcement and DWMs.</p>

	<p>Bear Protection Ordinance passes unanimously by Boulder City Council. BBC is recognized by the City Council for their critical involvement in the development and passage of the ordinance</p>
<p>2014</p>  <p>COMMUNITY FRUIT RESCUE</p>	<p>Boulder Bear Coalition is a founding partner of Community Fruit Rescue. Founded in response to surplus of urban fruit and bears being attracted to urban fruit.</p> <p>To date over 100,000 pounds of fruit have been harvested. Hundreds of pounds of non-human consumptive fruit is brought to the bears at The Wild Animal Sanctuary each year.</p>
<p>2017</p> 	<p>Native Food Buffer Zone is established, In partnership with OSMP.</p> <p>BBC volunteers map the area, create a list of plants, plant hundreds of root stock and water twice a week throughout the summer. Several locations are planted over several years.</p>
<p>2018-present</p>	<p>Bear Working Group established. Bi-monthly meetings with CPW, City of Boulder, Enforcement, Boulder Bear Coalition, and County Parks and Open Space.</p>
<p>2022</p> 	<p>Bears in Niwot and South Longmont are getting into beehives.</p> <p>Boulder Bear Coalition works with local DWM to identify beekeepers that qualify to receive CPW supplied electric fencing.</p> <p>Volunteers set up two sets of electric fencing at two farms.</p>
<p>2012 - present</p>	<p>Boulder Bear Coalition is invited to speak at community events across the state to share how communities can work to reduce human-bear conflict. To date, BBC has given dozens of talks including at Rotary Clubs, HOAs, BVSD Lifelong Learning, schools, etc.</p>

Lions and Bears, Oh My!



The first of three animal

wellfare-themed Speaker Series talks is happening on Thursday, January 28 in Boulder:
[Lions and Bears, Oh My! Keeping People and Wildlife Safe Within an Urban Landscape](#)

In addition, BBC hosts community meetings with CPW officers after any bear has been euthanized.

SIGNATURE PAGE

All information in the application is true and accurate. No construction work or final purchases will commence prior to the issuance of a contract or purchase order from CPW. Credit signage for or acknowledgment of Colorado Parks and Wildlife participation in the improvements will be included, as feasible, in the final project.

_____	_____
Applicant Signature	Date
_____	_____
Partner Organization Contact Signature	Date
_____	_____
Partner Organization Contact Signature	Date
_____	_____
Partner Organization Contact Signature	Date



Parks & Open Space

5201 St. Vrain Road • Longmont, CO 80503
303-678-6200 • POSinfo@bouldercounty.org
www.BoulderCountyOpenSpace.gov

May 2, 2023

Travis Long
Colorado Parks and Wildlife
13787 US Hwy 85
Littleton, CO 80125

Dear Travis,

I strongly support the Boulder County Parks and Open Space (BCPOS) application for the CPW Human-Bear Conflict Reduction Community Grant application. Using the proven and successful bear resistant can order and distribution model developed by BCPOS and the towns of Lyons and Jamestown in 2022, Boulder County would again like to act as fiscal agent in partnership with the Boulder Bear Coalition in a focused effort to implement similar human-bear deterrent methods to safeguard people and bears.

With the help of local CPW District Wildlife Managers (DWM), the Boulder Bear Coalition (BCC) identified four distinct communities that would greatly benefit from a focused effort to reduce human-bear conflict. These include Eldorado Springs, Nederland, Niwot, and South Longmont. Eldorado Springs has seen an 8-fold increase in bear conflict reports and while most residents utilize bear resistant garbage cans, the community could use help with education and enforcement. Nederland residents utilize a transfer station for trash disposal but could benefit from having bear resistant cans to secure trash before taking to the station. Niwot and South Longmont have 50+ hobby beekeepers whose hives could benefit from using electric boundary fencing as a bear deterrent.

As their website states, Boulder Bear Coalition has a history of *finding proactive ways to keep our local bears out of town, out of trouble and alive*. I believe this project team has the passion and enthusiasm to build on community support and proven deterrent plans to protect both the communities and Colorado's black bear population into the future. I hope you will consider funding this application.

Sincerely,

Claire Levy
Chair, Boulder County Commissioners