BENTON COUNTY PUBLIC WORKS
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HTTP://CO.BENTON.OR.US/AWPP

Benton County Agriculture and Wildlife Protection Program

Non-Lethal Deterrents Grant Application Additional Site Form

If you plan to use your non-lethal deterrents at more than one project location, please complete this **Grant Application Additional Site** Form for each additional site. Additional Site Forms are necessary, for example, if you apply for different deterrents for use at different sites or if you move your livestock seasonally and plan to use the same deterrents at different sites.

This Additional Site Form contains only the location-dependent application questions found in the Questionnaire and Proposed Non-Lethal Deterrents Project Plan sections of the Grant Application Form. Please return your Additional Site Form(s) with your Grant Application Form.

The Additional Site Form includes the following sections. **All questions pertain only to livestock or crops involved in your proposed non-lethal deterrents project at the location you describe below**.

A. Questionnaire - to assist in understanding the characteristics and conflict history at this additional project site.

B. Proposed Non-Lethal Deterrents Project Plan - a description of the methods, tools, implementation plans, and expected costs at this additional project site.

C. Budget Summary - a table of items, costs, and amount requested for reimbursement.

Please provide an answer to every question. If a question does not apply to your situation please indicate 'None' or 'Not Applicable (N/A)".

Date:_____

Name of applicant:_____

Name of farm or operation, if applicable:_____

Physical address or description of project location:_____

_____

Mailing address, if different:_____

Telephone:_____Email:_____

A. QUESTIONNAIRE

General Information

Please answer each question below. If you are completing a printed paper form and additional space is needed, please attach pages as necessary to completely answer all questions.
If you are applying only for beaver deterrents unrelated to farming operations, answer questions that relate to your beaver conflict and mark 'Not Applicable' for question that do not apply.

1. How many acres do you own _____ or lease _____ at the additional non-lethal deterrents project location?

2. Does someone reside at the non-lethal deterrents project location? ___ Yes ___ No

3. Describe the setting of your non-lethal deterrents project. Is it:
Mostly isolated from residential homes, non-farm businesses, and public parks? ___ Yes ___ No

Mostly open grassland/pasture? ___ Yes ___ No

Relatively flat? ___ Yes ___ No

Other details about your property: _____
_____

4. If you answered "no" to any part of **Question 3**, the setting of your property may pose a challenge to the effective use of the non-lethal deterrents you plan to apply for. Describe how you plan to deal with these or any other complicating factors.
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Wildlife Damages

5. Please indicate the wildlife that have caused damage to or losses of livestock, crops or property at your non-lethal deterrents project location **in order from most to least problematic species.**

- Indicate rank with number: 1, 2, 3, with 1 being the most problematic

____ Coyotes ____ Raccoons ____ Bobcats ____ Cougars
____ Foxes ____ Skunks ____ Bears ____ Hawks/Owls
____ Songbirds ____ Beavers
____ Other (describe) _____
____ No Damage or Loss ____ Not Applicable ____ No History (new farm or location)

6. Please indicate the causes of damage to or losses of livestock, crops, or property at your non-lethal deterrents project location **in order of most to lease problematic causes**.

- Indicate rank with number: 1, 2, 3, with 1 being the most problematic:

Livestock
____ Weather ____ Disease ____ Predation ____ Poaching
____ Other (describe) _____
____ No Damage or Loss ____ Not Applicable ____ No History (new farm or location)

Crops
____ Weather ____ Disease ____ Girdling ____ Stripping ____ Browsing ____ Grazing
____ Consumption ____ Beaver-caused flooding
____ Other (describe) _____
____ No Damage or Loss ____ Not Applicable ____ No History (new farm or location)

Property Damage
____ Damaged bee hives ____ Chewed irrigation lines
____ Other (describe) _____
____ No Damage or Loss ____ Not Applicable ____ No History (new farm or location)

7. Please ESTIMATE the total amount of livestock, crops, or property you have lost at your non-lethal deterrents project location due to wild animals or domestic dogs during the last three years.

- If you have not experienced losses, mark **one** of the following:
  "None", "Did not keep records", or "No history (new farm or location")

2022 ___ Sheep ___ Lambs ___ Goats ___ Kids ___Cattle ___Calves ___ Poultry
Other (species and number): _____
Crops (types and # or acres): _____
Property (describe): _____
___ None ___ Did not keep records ___ No History (new farm or location)

2021 ___ Sheep ___ Lambs ___ Goats ___ Kids ___Cattle ___Calves ___ Poultry
Other (species and number): _____
Crops (types and # or acres): _____
Property (describe): _____
___ None ___ Did not keep records ___ No History (new farm or location)

2020 ___ Sheep ___ Lambs ___ Goats ___ Kids ___Cattle ___Calves ___ Poultry
Other (species and number): _____
Crops (types and # or acres): _____
Property (describe): _____
___ None ___ Did not keep records ___ No History (new farm or location)

Lethal Deterrents History

8. Are you currently using, or have you used, any of the following non-selective lethal methods to protect your livestock, crops, or property at your non-lethal deterrents project location?

- For each method used, mark a **"C"** if the method is being currently used; or mark a **"P"** if you have used the method in the past. Please mark all that apply.
- If no lethal methods have been used, mark **"**None Used**"**. If no conflicts have occurred, mark "Not Applicable/No Conflicts".

____ Snares
____ Poisons
____ Calling-and-shooting
____ None Used
____ Traps
____ Shooting (not caught in the act)
____ Denning (killing animals in their burrows or dens)
____ Not Applicable/No Conflicts

9. Who implemented the lethal control methods marked above?

- Please mark all that apply. If no lethal method have been used, mark "None Used".
- If no conflicts have been experienced, mark "Not Applicable / No Conflicts".

____ Applicant
____ USDA-APHIS Wildlife Services Trapper
____ None Used
____ Private wildlife control operator
____ Other (describe) _____
____ Not Applicable / No Conflicts

10. Were lethal control methods used *before* or *after* the conflict(s) occurred? Please mark all that apply.

- If no lethal methods have been used, mark "None Used"
- If no conflicts have been experienced, mark "Not Applicable / No Conflicts".

____ Before ____ After ____ None Used ____ Not Applicable / No Conflicts

11. Please ESTIMATE the total number of wild animals that have been killed at your non-lethal deterrents project location to protect your livestock, crops or property during the last three years.

- If no wild animals have been killed, mark **one** of the following:
  "None", "Did not keep records", or "No history (new farm or location")

2022 ____ Coyotes ____ Beavers ____ Raccoons ____ Bobcats ____ Cougars
Other (species and # killed): _____
____ None ____ Did not keep records ____ No History (new farm or location)

2021 ____ Coyotes ____ Beavers ____ Raccoons ____ Bobcats ____ Cougars
Other (species and # killed): _____
____ None ____ Did not keep records ____ No History (new farm or location)

2020 ____ Coyotes ____ Beavers ____ Raccoons ____ Bobcats ____ Cougars
Other (species and # killed): _____
____ None ____ Did not keep records ____ No History (new farm or location)

B. PROPOSED NON-LETHAL DETERRENTS PROJECT PLAN

Please give a detailed description of your non-lethal deterrents project plan, including any plans to use non-lethal methods to deter beaver. Table 1 below may be used to assist in selection non-lethal methods and tools for your project plan. This table was originally produced by agricultural professionals with the University of California-Davis Livestock-Predator Hub and combines observations and data from scientific studies as well as credible, on-the-ground experience. A single non-lethal method can rarely be used successfully in most situations so it is important to review all methods and match several tools to your specific situation and vary their use frequently. Table 2 below may be used to assist in selecting non-lethal methods to deter beaver.

Table 1. Non-lethal wildlife deterrents and their effectiveness

Benton County Agriculture and Wildlife Protection Program
Non-Lethal Predator Deterrent Resource Card

Nonlethal Deterrents	Predator Species: Dog	Coyote	Bobcat	Cougar	Blk Bear	Fox	Wolf
Livestock guardian dog	●	●	●	●	●	●	▲
Donkey	●	●				●	
Llama	●	▲				▲	
Wire fencing w/ trip wire	●	●					
Permanent electric fencing	●	●	●	▲	◆	●	▲
Temporary electric fencing	●	●	●	◆		●	▲
Electro-net fencing	●	●	●			●	
Fladry or turbo fladry		◆					▲
Attractant (carcass) removal	●	●	●	●	●	●	●
Human presence							▲
Night pen	●	●	●	●	●	●	▲
Fright tactics/devices		◆	◆	◆	◆	◆	
Lambing/calving shed	●	●	●	●	●	●	●
Multi-species grazing	▲	▲	◆	◆	◆	◆	
	Highly Effective		Mod. Effective		Mixed Results		No Data

Original Table and Information available via UC Davis Rangelands Program:
https://rangelands.ucdavis.edu/predator-hub/current-research/

Table 2. Non-lethal beaver deterrent methods

Non-Lethal Beaver Deterrence Methods and Tools	
METHOD	**DESCRIPTION**
Devices to protect culverts and prevent flooding	
Beaver Deceiver	Trapezoidal fence to prevent damming of culverts
Double Filter System	Culvert fence filter and round fence filter connected by two flexible pipes
Flexible Pond Leveler	Flexible pipe and round fence filter to prevent flooding by lowering pond height
Castor Master	Double-walled flexible pipe and round fence filter to lower pond height
Beaver Baffle	Fence-covered pipe through culvert
Clemson Pond Leveler	Perforated solid pipe installed through dam to prevent flooding
Pipe and Fence Systems	Trapezoidal fence and pipe system encourages beavers to build away from culvert
Devices to protect trees	
Galvanized welded wire fencing	Encircle single trees or small groves
Electric fencing	Encircle small groves and vineyards
Abrasive tree paint	Sand/paint mixture applied to tree trunks

12. Please indicate here the resources you used to select non-lethal methods and tools and develop your non-lethal deterrents project plan in Section II below.

- Indicate rank from most to least helpful with number: 1, 2, 3, etc. with 1 being the most helpful.
- If you did not need or seek information or assistance, please mark the appropriate line.

____ Website links provided on the Benton County AWPP Webpage
____ Benton County Farming with Wildlife Workshop videos
____ OSU Extension Service Small Farms Conference Table
____ The Encyclopedia of Animal Predators by Janet Vorwald Dohner
____ Chintimini Wildlife Center
____ Oregon State University Extension Service
____ Benton County AWPP representatives
____ Other farmers using non-lethal deterrence methods
____ USDA-APHIS Wildlife Services
____ Private wildlife control operator
____ Other (describe): _____
____ I have knowledge of non-lethal methods and did not need information or assistance.
____ I did not seek information or assistance

13. Realistic expectations are important when gauging the success of non-lethal deterrents. What are your expectations for your project?

_____
_____
_____
_____
_____
_____
_____

14. Do you plan to use other non-lethal methods, including those you already have, in combination with methods/tools obtained through the grant program? If so, please describe in detail:

_____
_____
_____
_____
_____
_____

15. Is your farm operation certified "Wildlife Friendly"?

____ Yes, via Wildlife Friendly Enterprise Network
____ Yes, via Global Animal Partnership
____ Yes, via other certification program: _____
____ No, but seeking certification
____ No, and not interested in certification at this time
____ Certification is not applicable to my farming operation (explain): _____
_____

16. What's your philosophy behind your interest in using non-lethal deterrents?

_____
_____
_____
_____

17. Implementing any new practice can take time and may involve initial setbacks. How confident are you that non-lethal deterrents will be effective against predators even if there are some challenges at first?

____ I expect non-lethal deterrents will be even more effective than lethal means.
____ I expect non-lethal deterrents will work as well as lethal means.
____ I expect non-lethal deterrents will probably be slightly less effective than lethal means.
____ I expect non-lethal deterrents will be significantly less effective than lethal means.
____ I don't expect them to work at all.

18. How did you learn about the Benton County Agriculture and Wildlife Protection Program grants?

_____
_____
_____

19. Have you received Benton County Agriculture and Wildlife Protection Program grant funds anytime in the past?

____ No
____ Yes, in _____ (year)

C. PROPOSED NON-LETHAL DETERRENTS PROJECT PLAN

Please give a detailed description of your non-lethal deterrents project plan, including any plans to use non-lethal methods to deter beaver. Table 1 below may be used to assist in selection non-lethal methods and tools for your project plan. This table was originally produced by agricultural professionals with the University of California-Davis Livestock-Predator Hub and combines observations and data from scientific studies as well as credible, on-the-ground experience. A single non-lethal method can rarely be used successfully in most situations so it is important to review all methods and match several tools to your specific situation and vary their use frequently. Table 2 below may be used to assist in selecting non-lethal methods to deter beaver.

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Livestock guardian dog	●	●	●	●	●	●	▲
Donkey	●	●				●	
Llama	●	▲				▲	
Wire fencing w/ trip wire	●	●					
Permanent electric fencing	●	●	●	▲	◆	●	▲
Temporary electric fencing	●	●	●	◆		●	▲
Electro-net fencing	●	●	●			●	
Fladry or turbo fladry		◆					▲
Attractant (carcass) removal	●	●	●	●	●	●	●
Human presence							▲
Night pen	●	●	●	●	●	●	▲
Fright tactics/devices		◆	◆	◆	◆	◆	
Lambing/calving shed	●	●	●	●	●	●	●
Multi-species grazing	▲	▲	◆	◆	◆	◆	
	Highly Effective		Mod. Effective		Mixed Results		No Data

Original Table and Information available via UC Davis Rangelands Program:
https://rangelands.ucdavis.edu/predator-hub/current-research/

Table 2. Non-lethal beaver deterrent methods

Non-Lethal Beaver Deterrence Methods and Tools	
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Devices to protect trees	
Galvanized welded wire fencing	Encircle single trees or small groves
Electric fencing	Encircle small groves and vineyards
Abrasive tree paint	Sand/paint mixture applied to tree trunks

Please describe your plan, and be sure to include:

- **Which livestock and crop species** are you protecting, and how many acres or individuals are you planning on protecting?
- **What species of predators** do you intend to deter with each proposed method?
- Any **potentially-complicating factors** that might affect success of implemented non-lethal deterrents, and how you will respond to them.
- ***Some examples of complicating factors might include:*** *size of your operation, setting, environment, terrain, integration with other guardian animals, or other plausible situations that may arise.*

What is your expected date of implementation? _____

D. PROPOSED NON-LETHAL DETERRENTS PROJECT BUDGET

Background for Applicants

Please fill in the tables below in regards to methods, tools and costs for items requested for reimbursement through AWPP. In the questions following each table, describe your implementation plans for items requested for reimbursement. **Applicants may apply for up to $5,000 in reimbursement grant funds.**

Grant recipients agree to make a cash and/or 'in-kind' (non-cash) cost share contribution of **at least 10% of the total cost of the project.** This may include cash used for the purchase of approved deterrents, and/or an 'in kind' contribution of labor or labor costs for the installation of deterrents.

In-kind cost share contributions can include, but are not limited to: construction of protective housing, or installation or other devices or deterrents purchased with grant program funds. Please estimate your cash and/or in-kind cost share contribution for each type of deterrent and open it in the appropriate tables below.

GUARDIAN ANIMALS

Background for Applicants

Guardian animals are specific breeds and species used to protect livestock and crops. These can include Livestock Guardian Dogs (LGD's), llamas, donkeys, geese, etc. Selecting, training, and utilizing a guardian animal, especially a Livestock Guardian Dog (LGD) that is appropriate to your circumstances is an important consideration that ensures that particular animal will work effectively for you.

The following webinars, by Jan Dohner, LGD expert, might be helpful to you:

"A Deeper Dive into Livestock Guardian Dogs" provides an overview of recognized LGD breeds, as well as training and handling tips. https://www.anymeeting.com/afjsvfisbb/E958DF88824D39

"Troubleshooting Livestock Guardian Dog Behaviors" provides information on guarding poultry, multiple LGDs, and using invisible fence to help prevent roaming. https://www.anymeeting.com/976-407-717/E958DE85894631

Please note: **labor costs for training, feeding, or veterinary are not reimbursable. One time costs such as a doghouse, or labor costs for constructing a shelter may be applied towards the minimum cost share contribution.**

Here is an example of a cost breakdown:
If a trained Great Pyrenees guardian dog has an initial purchase of $2,250 and initial supplies materials and labor for a shelter total $750, and a cost share contribution of $150 is made for initial pet supplies like a collar, dishes, etc., *the $150 could be used towards the 10% match requirement.*

A. LIVESTOCK GUARDIAN ANIMALS

If requesting a guardian animal, please calculate the total cost for your guardian animal purchase below: If you are **not** requesting a guardian animal, please leave blank.

Calculate the cost of your livestock guardian animals here:

GUARDIAN ANIMAL/MATERIALS/LABOR	BREED (IF APPLICABLE)	# OF ANIMALS	COST
Example: Trained dog purchase	*Great Pyrenees*	*1*	*$2,250*
Example: Plywood and dog supplies			*$600*
*Example: 10 hours labor**			*$150*
		TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour

Now calculate your cost share contribution for your guardian animal project:

ANIMAL/ MATERIALS/ LABOR	BREED (IF APPLIC.)	# OF ANIMALS	COST	I will contribute:			
				Labor HOURS	Labor COST	Money towards animal/materials:	TOTAL Contribution
Example: Trained dog purchase	*Great Pyrenees*	*1*	*$2,250*				
Example: Plywood and dog supplies			*$600*				
*Example: 10 hours labor**			*$150*				
						TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

2. FENCING

Background for Applicants

This section is for new fencing or improvements to existing fencing which serve to reduce conflicts with wildlife (for example, electrification or fladry) or to contain guardian animals.

What is not reimbursable:
Fencing to exclude deer and elk are not eligible for funding.
Fencing for the sole purpose of containing livestock is not reimbursable (e.g. electric single wire, high-tensile fence with horizontal wires more than 6" apart, or any fence less than 60" high.
Labor costs for installing or moving fencing are not reimbursable but may be applied toward the minimum 10% cost share contribution.

Please note that the most effective predator deterrent fencing is at least 60" (5 feet) high with at least one strand of electrified wire hanging 6" from the top of the fence.

A. NEW FENCING – Portable electric, woven wire, other.

On a separate page, please provide a drawing of your plans for new fencing at your project site. Indicate height and materials.

Here is an example of a cost breakdown:

A section of portable electric net fencing can have an initial purchase cost of $3,850. The cost for labor to install fencing could be $15/hour x 10 hours = $150 for a total project cost of $4,000.

The cost share contribution could be 10 hours of labor ($150) and $250 cash towards the cost of fencing (=$1,000), or 10% the total cost of the project.

Calculate the total cost for your new fencing project here:

MATERIALS/SUPPLIES/LABOR	LINEAR FEET OR UNITS	HEIGHT (IN.)	COST
Example: Electro-net fencing	*5,280 feet*	*60*	*$3,850*
Example: Labor	*10 hours*	*---*	*$150*
		TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your new fencing project.

MATERIALS/ SUPPLIES/ LABOR	LINEAR FEET OR UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards materials & supplies	TOTAL Contribution
Example: Electro-Net Fencing	*5,280 feet*	*$3,850*			*$250*	*$250*
Example: Labor	*10 hours*	*$150*	*10*	*$150*		*$150*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

B. IMPROVEMENTS TO EXISTING FENCING – Electrification, fladry, other.

Here is an example of a cost breakdown:

For example, 5000 feet of insulated wire can have an initial purchase cost of $1,000. The cost for labor to install the electrified wire could be $15/hour x 7 hours = $105 for a total project cost of $1,105. *The cost share contribution could be 7 hours of labor ($105), or 10% of the total cost of the project.*

Calculate the total cost for your improvement to existing fencing project:

MATERIALS/SUPPLIES/LABOR	LINEAR FEET OR UNITS	HEIGHT (IN.)	COST
Example: Insulated wire	*5,000 feet*	---	*$1,000*
Example: Labor	*7 hours*	---	*$105*
		TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your improvements to existing fencing.

MATERIALS/ SUPPLIES/ LABOR	LINEAR FEET OR UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards materials & supplies	TOTAL Contribution
Example: Insulated wire	*5,000 feet*	*$1,000*				
Example: Labor	*7 hours*	*$105*	*7*	*$105*		*$105*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

3. SCARE DEVICES

Horns, lights, radios, bells, noisemakers, lasers, and scarecrows are all examples of scare devices. **Labor costs for installing scare devices are not reimbursable but may be applied toward the minimum 10% cost share contribution.**

Here is an example of a cost breakdown:
For example, a Foxlight night predator deterrent has an initial purchase cost of $90. The cost for labor to install three Foxlights could be $15/hour x 2 hrs = $30. The total project cost to purchase three Foxlights ($270) and install them ($30) is $300.
The cost share contribution could be 2 hours of labor = $30, or 10% of the total cost of the project.

Calculate the total cost for your scare devices project:

TYPE OR NAME OF DEVICE/LABOR	# OF UNITS	COST
Example: Foxlight Night Deterrent	*3*	*$270*
Example: Labor	*2 hours*	*$30*
	TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your scare devices project:

TYPE OR NAME OF DEVICE/LABOR	# OF UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards device	TOTAL Contribution
Example: Foxlight Night Deterrent	*3*	*$270*				
Example: Labor	*2 hours*	*$30*	*2*	*$30*		*$30*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

1. PROTECTIVE HOUSING

On a separate page, please provide a drawing of your plans for protective housing at your project site. Indicate measurements and materials.

Materials for constructing or improving barns sheds for lambing/calving/kidding, night pens (protected and secured areas for animals to sleep), and other protective housing. **Labor costs for constructing protective housing are not reimbursable but may be applied toward the minimum 10% cost share contribution.**

Here is an example of a cost breakdown:
For example, a kit for a lambing shed can have a purchase cost of $3,700 and labor cost to construct the shed of $15/hour x 20 hours = $300 for a total project cost of $4,000. The cost share contribution could be 20 hours of labor ($300) and $100 cash towards the kit = $400, or 10% of the total cost of the project.

Calculate the total cost for your protective housing project:

MATERIALS/SUPPLIES/LABOR	# OF UNITS	COST
Example: Lambing shed kit	*1*	*$3,700*
Example: Labor	*20 hours*	*$300*
	TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your protective housing project:

MATERIALS/ SUPPLIES/ LABOR	# OF UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards materials or supplies	TOTAL Contribution
Example: Lambing shed kit	*1*	*$3,700*			*$100*	*$100*
Example: Labor	*20 hours*	*$300*	*20*	*$300*		*$300*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

2. OTHER NON-LETHAL DETERRENTS

Please describe any other non-lethal methods, tools, or devices you are considering:

_____
_____
_____
_____

Labor costs for other non-lethal deterrents are not reimbursable but may be applied toward the minimum 10% cost share contribution.

Calculate the total cost for your other non-lethal deterrents project:

MATERIALS/SUPPLY/LABOR	# OF UNITS	COST
Example: 4'x8' plywood sheets	*100*	*$3,000*
Example: Labor	*10 hours*	*$150*
	TOTAL COST	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your other non-lethal deterrents project:

MATERIALS/ SUPPLIES/ LABOR	# OF UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards materials or supplies	TOTAL Contribution
Example: 4' x 8' plywood sheets	*100*	*$3,000*				
Example: Labor	*10 hours*	*$150*	*10*	*$150*		*$150*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour

Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

3. BEAVER DETERRENTS

Non-lethal beaver deterrents are typically methods or devices to protect trees or prevent flooding. Materials for integrated fence and pipe systems (flow devices) and fencing such as culvert fencing, galvanized welded wire fencing, abrasive tree paint, or electric fencing can be used and are reimbursable. **Labor costs for installing flow devices are not reimbursable but may be applied toward the minimum 10% cost share contribution.**

Here is an example of a cost breakdown:
For example, the cost of culvert fence and pipe for a pond leveler could be $1,350. The cost of labor to construct the leveler could be $15/hour x 10 hours = $150 making the total project cost $1500*. The cost share contribution could be 10hrs of labor ($150) or 10% of the total project cost.*

Calculate the total cost for your non-lethal beaver deterrent project:

MATERIALS/SUPPLIES/LABOR	# OF UNITS	COST
Example: Culvert fence	*60 feet*	*$675*
Example: Pipe	*60 feet*	*$675*
Example: Labor	*10 hours*	*$150*
	TOTAL	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

Now calculate your cost share contribution for your non-lethal beaver deterrent project:

MATERIALS/ SUPPLIES/ LABOR	# OF UNITS	COST	I will contribute:			
			Labor HOURS	Labor COST	Money towards animal/materials:	TOTAL Contribution
Example: Culvert fence	*60 feet*	*$675*				
Example: Pipe		*$675*				
Example: Labor	*10 hours*	*$150*	10	*$150*		*$150*
					TOTAL CONTRIB.	

*Provide a professional estimate or calculate labor costs at $15/hour
Please enter the **'TOTAL COST'** and **'TOTAL CONTRIB.'** amounts into the summary budget worksheet.

C. BUDGET SUMMARY

In the table below, please refer to the tables in Section C (1-6) to help you summarize your proposed project budget and requested reimbursement for the project site described in this form. The total requested amount of grant funds cannot exceed $5,000, even if you have multiple project sites.

Your total cost share contribution must be at least 10% of the total cost of the project.

All expenditures must have a corresponding receipt, and receipts must match the method/tool/device stated in the budget summary. No substitutions.

PROJECT ITEM	(A) TOTAL COST	(B) TOTAL COST SHARE CONTRIBUTION	REQUESTED AMOUNT (A) + (B)
Livestock Guardian Animal			
New Fencing			
Fencing Improvements			
Scare Devices			
Protective Housing			
Other Non-Lethal Deterrents			
Beaver Deterrents			
TOTALS			

Total Project Costs (Column A): **$**_____

Total Contribution (Column B): **$**_____

% Contribution (Column B ÷ Column A): **$**_____

Total Funding Request: (Column C): **$**_____