

**U.S. Army Corps of Engineers
Fiscal Year 2018
Handshake Program Application**

Please review instructions before completing application!

Corps Lake/River Project Name: **Barren River Lake**
District / Division:**LRL/LRD**
Handshake Proposal Title: **Barren River Lake Pollinator Pavilion and Bee Hive Establishment**
Corps POC Name:**Daniel R. Taylor**
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A. Checklist:

1. Will the Handshake funds be spent on Corps facilities and resources that are being fully maintained by the Corps? (not in outgranted parks) **Yes** **No**
 2. Will the Challenge Partnership agreement be with a non-federal public or private entity(ies)? **Yes** **No**
 3. Is the proposed activity within current authorities and contained in the annual or 5-year work plan in the approved lake project OMP? **Yes** **No**
 4. Have all of the NEPA requirements been considered for this project? **Yes** **No**
 5. I am aware the Challenge Partnership Agreement must be reviewed and Approved by District Office of Counsel before sending to HQUSACE. **Yes** **No**
 6. If the full funding amount requested is not available, could a portion of this Handshake Project be completed with partial funding? **Yes** **No**
 7. I am aware that all government funds must be spent in accordance with FAR, DFAR and AFAR contracting laws and regulations, and that Handshake funds cannot be provided to the partner(s). **Yes** **No**
 8. Did you participate in a Handshake Webinar in 2017 or review a 2017 Handshake Webinar on the Gateway? **Yes** **No**
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B. Handshake Funding Request (maximum \$20,000): \$7,500

C. Incentive Points Category: Check the appropriate box if your application qualifies to receive bonus points on the evaluation score.

- This Lake/River Project has never received Handshake funding (200 points).
- This Lake/River Project has received Handshake funding, but more than 10 years ago (FY 04 to FY 08 program funds) (150 points).
- This Lake/River Project has received Handshake funding, between 5 - 10 years ago (FY 09 to FY 13 program funds) (100 points).

D. Describe your partnership and the proposed Handshake Partnership Project:

Project applications will be evaluated on the categories below. Please complete each section as appropriate.

Summary Statement:

The Barren River Lake Pollinator Pavilion and Bee Hive Establishment would be a collective partnership between the Corps, Boy Scouts of America and Allen and Barren County Bee Keepers Association. The project looks to construct a pavilion in the Tailwater Campground, as well as establish bee hives in the Watchable Wildlife Area. Each year, the Barren River Lake Scout Celebration (BRLSC) (23 years running) takes place at the Tailwater Campground at Barren River Lake (BRL). During this event we have a weekend full of activities for approximately 250 Scouts. The construction of this new pavilion will be an Eagle Scout project for an Eagle candidate. Thus, showing the continued commitment of BSA to help improve the project footprint at BRL. The pavilion would allow us to provide shelter to the participants and a central location for all activities to take place. The pavilion will be utilized the remainder of the year by our recreating public for various events and activities. The pavilion would also provide an area to hold environmental education and water safety programs for our campers and have school groups visit the project to learn more about the surrounding environment and the benefits of pollinators. Along with the pavilion, a set of bee-hives will be established in the Tailwater Watchable Wildlife Area in conjunction with the local bee keepers associations. The two associations will work with BRL personnel to establish the hives and continue to maintain them.

Longevity / O&M description:

This pavilion will serve the BRLSC, campers, and visitors for at least the next 30 years. All building materials that will be used for this project will be rated to meet or exceed the expected life-span of the facility. By doing so, the pavilion will be generally maintenance-free. Any upkeep and additional maintenance of the pavilion will be primarily accomplished through the use of volunteer effort through our partner. This will help keep the long-term O&M costs to a minimum for the Corps. The hives will be maintained by our local partners to ensure proper care for the bees. BRL will provide supplies as needed to help with hive maintenance.

Partnership Value:

Barren River Lake has a long-term relationship with the Boy Scouts of America and Troop 303. The recent BRLSC in August was the 23rd Annual event. This alone reflects the commitment of this partner to the continued involvement and coordination of future events at BRL. The value that BSA brings to this project is through the Volunteer Hours they will provide to complete all of the construction of the pavilion. This will include approximately 480 volunteer hours, to construct the pavilion and pour the concrete floor. The Corps will provide site prep, post-hole digging, electrical installation, water installation, and general oversight of construction. The Handshake Funding will provide the supplies and materials needed to construct the pavilion.

Cost Breakdown:

- 36' x 17' Pavilion Building Package - \$2,293.90
- Concrete (9 yards) & DGA Fill - \$1,630
- Electrical Materials and Water Line - \$975.70
- Seed, Straw, and Fill Dirt - \$600.40

The hives will be established by the local Bee-Keeper Associations. All site prep will be completed by project personnel. The hives will be erected by our partners and then bees will be transported on site to colonize the hives.

Cost Breakdown:

- Hives, Bees, & Related Materials - \$2,000

Recreational Benefit:

This pavilion will provide additional recreational opportunities for multiple user groups. The pavilion will be used by the BRLSC, campers, fisherman, hunters, canoers/kayakers, hikers, school groups, and numerous other outdoor enthusiasts. The Tailwater Campground is on the NRRS system during its normal operating season (Mid-May through Late September), and it remains open as a primitive campground the remainder of the year. This

will allow our recreating public to have year-round access to this new facility. This not only supports the "Let's Move" initiative, but it will also help support the "Every Kid in a Park" initiative to get our nation's youth outside to visit our projects.

Environmental Stewardship Value:

The primary purpose of the pavilion will be to provide a covered area for the BRLSC. However, BRL has many other uses for the pavilion as a long-term outdoor educational tool to enhance the knowledge of our visitors about the many different missions of the Corps. With the recent establishment of milkweed in our native grasslands, we can educate our visitors through programs at the pavilion about the importance of pollinators in our local ecosystem. The bee hives will add to our Watchable Wildlife Areas by providing Pollinators in Action. Our visitors will be able to see the symbiotic relationship that we have with the environment and how our habits can effect the ecosystem. We will also be able to discuss the purpose of Flood Risk Management, Natural Resource Management, and the important role that each one of us plays in protecting our environment.

Communication & Education Value:

The pavilion will be located in the Tailwater Campground which is downstream of Barren River Dam. This area is visited frequently by campers, fisherman, and numerous outdoor enthusiasts. This location is ideal for an outdoor interpretive classroom. This will be greatly enhanced by the addition of our bee hives that will be a short walk from the pavillion. Some of the presentations at the pavilion might include environmental stewardship, fish and wildlife species identification, and water safety. This pavilion will also allow us have programs during the recreation season during periods of rainfall, and to have evening water safety programs during the camping season that would have previously been canceled due to wet weather. Overall the pavilion will provide a great location for educational opportunities on a wide variety of topics related to our Corps missions.

Innovativeness:

The BRLSC is a very unique celebration that occurs at the Tailwater Campground every year. There is no other USACE Scout Celebration in the Louisville District. This is a very prestigious celebration that not only promotes the importance of Scouting, but it allows BRL to give back to the Scouts that volunteer numerous hours of their time to help keep our project beautiful. It is because of great partnerships such as this one that BRL continues to actively seek out new opportunities for the Scouts to volunteer at our project. The addition of the bee hives will also greatly impact the effectiveness of the pavillion as an outdoor classroom. The combination of our existing Watchable Wildlife Areas, Nature Trail, Bee Hives, and Pavillion will make the Tailwater Recreation Area a valuable resource for educational programs by the Corps and local teachers.

Conclusion:

The BRLSC is a treasured tradition that we try to build upon from year to year. The partnership with the Scouting groups in the region has always been a shining example of teamwork. The addition of the bee hives on federal property will help us foster a new partnership and show the importance of protecting pollinators for future generations to have a sustainable ecosystem. This project will provide multiple benefits to BRL and the surrounding communities.

Double click on spreadsheet to access data entry fields and to enter Partner names. You MUST enter partner names into the spreadsheet:

	Local Corps Office	Handshake Funds	BSA Troop 303	Allen & Barren County Bee Keeners	Partner 3	Partner 4
Salaries	\$3,000	N/A	\$0	\$0	\$0	\$0
Travel	\$0	N/A	\$1,200	\$125	\$0	\$0
Materials and Supplies	\$500	\$7,500	\$0	\$0	\$0	\$0
Equipment Use	\$750	\$0	\$0	\$100	\$0	\$0
Funds Contributed	N/A	N/A	\$0	\$0	\$0	\$0
Personal Property	N/A	N/A	\$0	\$0	\$0	\$0
Volunteer	N/A	N/A	\$11,309	\$1,255	\$0	\$0
In-Kind Services	N/A	N/A	\$0	\$500	\$0	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,250	\$7,500	\$12,509	\$1,980	\$0	\$0
Share of Total Cost	16.2%	28.6%	47.7%	7.5%	0.0%	0.0%
	44.8%					

	Partner 5	Partner 6	Partner 7	Partner 8	Partner 9	Partner 10
Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$0
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$0	\$0	\$0	\$0	\$0	\$0
In-Kind Services	\$0	\$0	\$0	\$0	\$0	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0
Share of Total Cost	0.0%	0.0%	0.0%	0.0%	0.0%	0

	Partner 11	Partner 12	Partner 13	Partner 14	Partner 15	Total
Salaries	\$0	\$0	\$0	\$0	\$0	\$3,000
Travel	\$0	\$0	\$0	\$0	\$0	\$1,325
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$8,000
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$850
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$0	\$0	\$0	\$0	\$0	\$12,564
In-Kind Services	\$0	\$0	\$0	\$0	\$0	\$500
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$26,239
Share of Total Cost	0.0%	0.0%	0.0%	0.0%	0.0%	100%

Explanations:

- USACE-BRL will supply \$500 of materials, and the equivalent of \$750 in use of equipment. This will be for leveling the site, digging post holes, and spreading aggregate for the pavilion floor.
- The Handshake Funds (see below) will purchase the materials for the Pavilion, including the shelter, concrete, and electrical and water line materials. It will also purchase the startup supplies for the Bee Hives, bees, and related materials.

Handshake Expenditures:

- 36' x 17' Pavilion Building Package - \$2,293.90
 - Concrete (9 yards) & DGA Fill - \$1,630
 - Electrical Materials and Water Line - \$975.70
 - Seed, Straw, and Fill Dirt - \$600.40
 - Hives, Bees, & Related Materials - \$2,000
-
- BSA Troop 303 will supply the volunteer labor to build the pavilion, estimated at approximately 480 hours.
 - The Allen and Barren County Bee Keepers Associations will supply the volunteer labor to set up and maintain the bee hives, and provide technical support to the BRL staff on the basics of maintaining the hives.





BARREN RIVER

TAILWATER LOOP RD

TAILWATER RD

Existing Amphitheater

Pavilion Location
(will back up to the amphitheater)

Trailhead

Group Camping Area

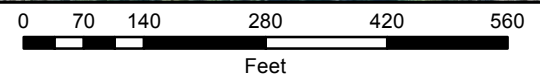
**Watchable Wildlife Area & Pollinator Plot
(Bee Hive Location)**

Legend
—●—●—●—●— Steenburgen Nature Trail



US Army Corps
of Engineers
Louisville District

Barren River Lake Tailwater Pavilion and Bee Hives



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User Name: H2EDTDRT

Date: 9/25/2017