



MEETING DATE: March 25, 2015

TO: Board of Directors

FROM: Mike Barrett, Aviation and Community Services Safety Coordinator

SUBJECT: A Partnership Proposal for Science, Technology, Engineering, and Math education (STEM) in addition to Aviation programming between the Truckee Tahoe Airport District and the Boys and Girls Club of North Lake Tahoe (BGCNLT).

RECOMMENDATION:

Staff recommends approval of a 3 year partnership with the Boys and Girls Club of North Lake Tahoe (BGCNLT). With the goal of promoting STEM and Aviation Education to the youth of our Community, and to provide resources to the Airport by assisting with Airport sponsored events. Authorize GM and Board president to finalize and sign agreement to create partnership based on attached proposal.

DISCUSSION: (The following are excerpts from the attached BGCNLT Proposal)

The Truckee-Tahoe region would greatly benefit from a partnership between BGCNLT and the Truckee Tahoe Airport District. A three-year agreement in which the Truckee Tahoe Airport District provides \$45,000.00 a year to BGCNLT could provide the resources needed to expand and enhance STEM opportunities for youth and families throughout the region. The partnership between BGCNLT and Truckee Tahoe Airport District would provide:

- 1) Increased outreach to community youth and families.
- 2) Improved attitudes towards STEM subjects, fields and careers, including aviation in both youth and their families.
- 3) Increased knowledge, skills and hands on experience in STEM fields and specifically in aviation.

Likewise, the partnership increases impact and visibility for the Truckee Tahoe Airport District's outreach programs to include children and families on the North Shore; enhances current STEM educational programming at the Club and truly capitalizes on two valuable community assets: BGCNLT and The Truckee Tahoe Airport.

WHAT CAN BGCNLT AND THE TRUCKEE TAHOE AIRPORT DISTRICT DO?

Considering children spend less than 20% of their days in school, it is important that parents, community agencies, local businesses all come together to help educate, inspire and guide students into positive and GREAT Futures and increasingly into STEM fields.

BGCNLT and the Truckee Tahoe Airport are well positioned to make a positive impact on students both in and out of school simply by exposing students to aviation and STEM with a fun, hands-on and interactive approach. Collaborating would allow each agency to fulfill their educational and outreach missions in a more effective and efficient way.

BGCNLT will provide:

- 1) A year round full time STEM Coordinator who is tasked with creating and implementing education programs and activities with a special focus on STEM and aviation. This person will ensure that there are daily opportunities for children to engage in STEM and/or aviation lessons across the region. They will do at least 11 one hour presentations in 5th grade TTUSD classrooms in March and April to set up curriculum for their Challenger field trip.
- 2) Shared resources for the community. The program curriculum, activities and resources will be made available to all local youth serving agencies. The coordinator will also be a liaison between the Airport, the Club and all agencies in the region to coordinate the distribution of these resources and will also be responsible for scheduling curriculum and resources and scheduling events, classes and programs.
- 3) Assistance with implementation and the expansion of the Mission to Mars Camp. BGCNLT will provide qualified youth development professionals to assist with running the camp and will help to expand the camp from the current 12 students to 36 students. BGCNLT will assist with recruitment of new students with a special emphasis on children who live on the North Shore part of the airport district.
- 4) Creation of a new summer specialty camp introducing younger students to aviation and aerospace. The camp will serve approximately 12-15 youth in grades 2nd-5th and use both Club and airport resources, (ie Club classrooms and supplies and the airport's flight simulator for a demonstration.) The program would be a "lead in" for students to continue on to the "Mission to Mars" camp in future years.
- 5) Staffing, planning and program support for the "Santa Fly-in" program in December.
- 6) Overall program evaluation and data regarding attendance in programs, outcomes and outreach.
- 7) Recognition of the Airport District on all Club collateral and at events as a partner agency and sponsor.
- 8) Additional assistance with airport projects on an as needed basis.
- 9) Lastly, BGCNLT will assist with transportation needs to and from camp with Boys and Girls Club vans.

TTAD Staff Summary of Benefits to the Airport and the Community:

1. Creates an opportunity for the Airport to educate children and parents about our Airport
2. Provides an opportunity to get the youth of our Community excited about aviation.
3. Provides benefit to our Airport Community outside of Truckee.
4. Introduces many of the career opportunities available in aviation.
5. Gives us the ability to expand this program to Truckee Elementary.
6. Allows the Airport the opportunity to introduce children to aviation who financially may not have this opportunity.
7. The Airport currently provides STEM education 1 day a week for 2 hours to SELS.
8. Expand day camp program as well as the addition of a 2nd to 5th grade program.

FISCAL IMPACT: Below is a budget and explanation of how funds will be utilized:

Personnel	
STEM Coordinator (Annual Salary)	\$30,000.00
Camp Counselor (40 hours @ \$13.00 @ 3 weeks Camp)	\$1,560.00
(2) Afterschool Program Assistants (5 hrs. per week @ \$13.00 @ 40 weeks)	\$5,200.00
Van Driver (\$15.00 @2hrs @ 12 days camp)	\$360.00
(8) Staff members for Santa Fly -in (4 hrs. @ 8 staff @ \$12.00 per hour)	\$384.00
Personnel subtotal:	\$37,504.00
Payroll taxes & Benefits	\$7,500.80
Program Expenses	
Flight Simulator	\$2,500.00
Mission to Mars Camp Supplies (shirts for kids, paper, notebooks, pencils, etc.)	\$400.00
BGCNLT Summer Camp Supplies (shirts for kids, paper, notebooks, pencils, etc.)	\$500.00
Lunches for Camp Kids during camps	\$500.00
Afterschool STEM program September- June (\$100 per month @ 10 months @ 2 sites) (rocketrv kits. science kits. notebooks. paper. pencils. calculators etc.)	\$2000.00
Transportation (20 trips @ 12 miles @ 55.5 cents)	\$132.00
Total Expenses	\$51,036.80
Requested from Truckee Airport	\$45,000.00
Covered by BGCNLT	\$6,036.80

The Truckee Tahoe Airport District will provide:

- 1) Funding in the amount of \$45,000.00 a year for a three year term, with an opportunity for renewal.
- 2) For the remainder of 2015 fiscal year the funding would be prorated to a five month term in the amount of \$18,750.00 plus the \$2,500.00 cost of the simulator for a total of \$21,250.00.
- 3) Resources, guidance and tools for aviation curriculum.
- 4) Space for summer camps, programming etc.
- 5) Staff recommends allocating \$21,250.00 from unrestricted net assets community outreach programs.

ATTACHMENTS:

BGCNLT Proposal