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## PUBLIC MEETING NOTICE

### NORTHWEST STEM ADVISORY BOARD TO MEET

Thursday, October 18,, 2018

185th Air Refueling Wing - 2920 Headquarters Avenue, Sioux City, Iowa 51111

Tour 9:30-11:30,

Lunch, Meeting 1:00-2:30 at Woodbury ISU Extension Office, 4728 Southern Hills Drive  
Sioux City, IA 51106

To join by computer, please click the following link: <https://zoom.us/j/358659515>

Or Telephone: 1 669 900 6833 Meeting ID: 358 659 515

#### Agenda

1. Roll Call: Kiana Johnson, Jordan Menning, MacKenzie Reiling, Brenda Welch, Beth Bunkers, Nancy McDowell, Mary Trent, Virtual: Derek Brower, Ginny Gunderson, Ben Bouza
2. Budget Update
  - Sioux City budget to date: \$5,692.95

§ TV interview - \$780, Food Trucks - \$2,100, Swag - \$1,747, Bathroom Rental - \$250, Table/chair rental - \$809

§ KCIU 10/18 interview

1. Festival Update - Ida Grove December 19, 2018, grades 9-12
  - Mary met with other professionals in Ida Grove to help develop a festival.
  - During the day
    - PE class, students rotate every 40 minutes
  - Pulling in local area businesses
    - Business heavy with exhibitors
  - Expenses should be minimal with some swag
2. STEM BEST Update - Review updates to share

- 4 strong entries in the northwest, had to score 60 or higher to be considered
  - Fairly certain there will be 2 in the Northwest region that will be funded
  - Spencer, Rock Valley & Spirit Lake are currently STEM BEST schools.
- 3. [I.O.W.A. STEM Teacher Award update](#)
  - 17 nominees from Northwest region
  - Waiting on evaluations and scores
- 4. Future Ready Iowa Summit review - Share takeaways
  - Purpose is to have work groups come out of them
  - Worried about funding for Future Ready
  - Kiana: Did not know anything about Earn & Learn Apprenticeship website
  - MacKenzie: Working groups came out of Sioux City location. Group was intentional in working together
  - Mary: Good to learn what other businesses do, overlapping of externships and internships. Was able to network and gain contacts for the future.
- 5. Upcoming Dates and Events
- 5. STEM Happenings
  - 10/27 Healthy Living Festival -NCC – Sheldon
    - Donated bags
    - Attendance low
  - 11/1 Sioux City Makerspace Final Planning Meeting 10:00
  - 11/8 Sioux City Makerspace Festival 1-2:15, 3:00-7:00
    - (3) 25-minute sessions
    - Mary will e-mail teachers the track as to which way they are going
    - Still looking for businesses and industries to exhibit
    - Volunteers needed on 11/7 for set-up
  - 11/10 STEM and the Arts Festival - Buena Vista - 9:00-3:30
    - 4<sup>th</sup>– 8<sup>th</sup>grade (2 different tracks for age range)
    - Mary will have finger print activity for students to do

**Next Meeting** – Friday, November 16, 2018, 9:30 Tour, 10:30 Meeting at Poet Biorefining, 4724 380th St, Emmetsburg, IA 50536

### **Tour of 185 Air Refueling Wing**

Members of the board were led on a tour by CMSgt Joe Donovan. The board first took a “windshield” tour of the entire infrastructure of the base and soon discovered it is nearly its own city with its own police force, fire department, gym, etc. Members were also able to see one of the U.S. Air Force aircrafts take off on a mission. While on the tour, all members got to play with the “BOSS” which is the “Boom simulator.” It is a \$1.5 million simulator of the boom that goes down into the plane below to refuel. This simulator paid for itself within the first month or

two because the cost to train pilots with fuel and other expenses is so costly. Members also got to view an aircraft that is currently in its maintenance stage. The 185 Air Refueling Wing takes such great care of its aircrafts that if you put it next to a car it would be as old as a 1957 Chevy. Unbeknownst to most, the 185 Air Refueling Wing is actually one of Sioux City's largest employers with civilians being employees as well. While the nature of its business is defense, they are open to sharing as much information as they can with the public and would welcome them to tour their infrastructure. Finally, the board was able to take a peek at their Innovation Lab that is in process with 3D printers. The goal is to allow for creativity and advancement in STEM-related fields and activities.

\*\*\*CMSgt Joe Donovan has invited the Board to attend an "Educator Boss Lift" on Thursday, November 29 from 11:00 a.m. until 6:00 p.m. Mary has sent the flyer and registration information out. Please ask if you have any further questions or would like to join.