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COMPLETE

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Page 2: PART I: PROJECT INFORMATION

**Q1**

Project Title:

Flagstaff Junior Academy Climate Action

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**Q2**

Contact Person:

Stefan Vest

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**Q3**

Organization (if any):

Flagstaff Junior Academy

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**Q4**

Contact Address:

306 Cedar Avenue Flagstaff, Arizona 86001

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**Q5**

Contact Email Address:

stefanvest@fjademy.com

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**Q6**

Contact Telephone Number:

928-707-4347

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**Q7**

Project Physical Address:

306 Cedar Avenue Flagstaff, Arizona 86001

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**Q8**

Tax ID # (if an organization):

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**Q9**

**Climate Action**

Please select the primary project category. Refer to the Grant Application Instructions to determine the project category.

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**Q10**

**Respondent skipped this question**

Please select the secondary project category (if applicable).

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**Q11**

Please provide one or two sentences that describe the project:

Flagstaff Junior Academy is the first and currently only school in the state of Arizona that has passed a resolution and registered with Schools for Climate Change to address "climate change as a generational justice and equity issue, expand our school's response to climate change, and articulate to elected-political leaders to support climate policies." Spurred by a student initiative, our school board approved the creation of a Flagstaff Junior Academy Climate Action Committee that has been tasked with creating a climate action plan.

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**Q12**

Funds Requested (not to exceed \$2,000 total):

\$1,656.75

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**Q13**

Project and Project Goals: Describe the project and its goals. Include in appropriate detail how the project matches the goals for the Guidelines for Neighborhood Sustainability Projects. Include the geographic area/neighborhoods/communities affected. All Water Conservation projects must include an estimation of total water usage on the property where the project will occur and a narrative explaining how the project will save water.

The funds awarded through this grant would help Flagstaff Junior Academy to create and begin implementing a Climate Action Plan. The goals and guidelines for this grant align with the goals that we have identified in the outline that we have created for our Climate Action Plan. The creation of our plan will not only educate the FJA community about climate change, but those people will in turn spread the word. The creation of the action plan will help FJA and its community help the community of Flagstaff to attain the goals laid out in the city's own plan. These funds, if awarded, will also provide resources to invest in science kits that will be used to educate our students about alternative energy and climate change through hands on activities. Flagstaff Junior Academy has 2 campuses, both near downtown Flagstaff. The elementary campus is north of the hospital and is a property that is owned by FJA. The middle school campus is in the old Flagstaff Middle School and we rent from FUSD. We also share the building with other tenants.

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## Q14

Community Partners: List the individual(s), community groups, or not-for-profit organizations affiliated with the project and describe the responsibilities of each. Describe which of the cooperating organization(s) have already agreed to participate in the project and provide contact information for a person from each organization. For some projects it may be appropriate to list organizations that you anticipate cooperating with but do not yet have a commitment from.

Community Partner 1:

**1) Willow Bend Environmental Education Center**  
**Contact: Moran Henn moran@willowbendcenter.org 928-779-1745** This past year, Flagstaff Junior Academy participated in a Waste Reduction program that was coordinated by Willow Bend. Our students also participate in various educational programs facilitated by Willow Bend. We plan to continue our partnership with Willow Bend through educational activities related to climate change.

Community Partner 2:

**NAU: Climate Science and Solutions, School of Earth and Sustainability** **Contact: John Fegyveresi, Assistant Professor of Practice John.Fegyveresi@nau.edu** **Avi Henn, CSS Professional Development Coordinator Abraham.Henn@nau.edu 928-523-1052** **Alexander Coley Wilson, Masters Candidate acw244@nau.edu** We have formed a relationship with the Climate Science and Solutions Department, School of Earth and Sustainability at Northern Arizona University. The Flagstaff Junior Academy Climate Action Committee developed an outline of items that we would like to include in our Climate Action Plan and we have reached out to this department seeking their expertise in this field. Alex Wilson, a Masters candidate, will write our plan under the guidance of John Fegyveresi and Avi Henn. The hope is to develop a plan that aligns with the City of Flagstaff's Climate Action Plan that will help guide Flagstaff Junior Academy for years to come.

Community Partner 3:

**City of Flagstaff – Sustainability Commission** **Contact: Jenny Nieman jnieman@flagstaffaz.gov** We do not have a commitment at this time for a partnership, but we are interested in working together to ensure that our school's Climate Action Plan aligns with the City of Flagstaff Climate Action Plan.

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## Q15

Previous Experience/Expected Challenges: Describe any expected challenges and how you anticipate overcoming these, including through previous experience.

I think once our Climate Action plan is written, revisions will need to be made and our school board will have to approve it. As far as adopting the measures in the plan and accomplishing goals and meeting objectives, change is always a challenge. Each of us needs to start with ourselves before demanding change in others and slowly, through changing our habits and increasing our awareness through education, we can begin to change and reduce our impact on climate as a school, a city, and ultimately a global community.

**Q16**

Project Milestones and Timeline: Provide a list of project milestones with an approximate timeline. Include details necessary to accomplish each milestone.

Completion of 1st draft of Climate Action Plan - August 2020

Revisions and board approval by - October 2020

Letters home to parents advertising re-usable lunchware - July 2020

Students participate in Science climate challenges - Spring 2021

FJA provides signage and educates parents about reducing our emissions by not idling during drop off and pick up - spring 2021

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**Q17**

Project Sustainability: Describe how/whether the project might be maintained beyond the life of this grant and include these efforts in the project milestones.

This project can be maintained for generations to come. The creation of a board approved climate action plan that aligns with the local community will help Flagstaff Junior Academy continue to grow in this area. The plan itself will provide goals, objectives, and action items that will keep us focused and help us to evaluate our progress.

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## Q18

Other Project Details: If appropriate, describe current use of site and relevant details of ownership. Proceed to the next question if you need to upload a map or photo of the site.

Here is our outline that will be used to write our Climate Action Plan

### Flagstaff Junior Academy Climate Action Plan Outline

Timeline to revise: Every 3 years

#### Intro

Flagstaff Junior Academy is the first and currently only school in the state of Arizona that has passed a resolution and registered with Schools for Climate Change to address "climate change as a generational justice and equity issue, expand our school's response to climate change, and articulate to elected-political leaders to support climate policies."

- Vision/Mission
  - ☐ Reduce environmental impact now to preserve our school for generations of students
  - ☐ At FJA, we are committed to implementing a school-wide climate action plan that supports the City of Flagstaff's plan and reduces our climate impact in an equitable and sustainable way.
- Overarching Targets/Goals (summary of specific objectives)
- Planning- 7 Generations ahead

#### Strategies and Actions

##### Education

1. Create a climate literacy program from K-8th grade.
  - a. Address knowledge gaps.
2. Incorporating sustainability lesson plans in curriculum (resources, ideas, etc.)
3. Recruiting speakers/ Incorporating Field Trips (Willow Bend, Water Treatment Plant, Landfill, Recycling Center, etc.)
4. Parent Education

Build buy-in with parents by sharing that we are aligning with City of Flagstaff, NAU, etc.

- (a) Zero Waste Lunch Kits/ Wraps
- (b) Sustainability Corner addition to Tom's Newsletter
- (c) Parent Workshops (lunch waste education, carpooling, energy efficiency, idle-no more, equity in the community)
- (d) Connecting families to community resources: energy audits for home improvements, sustainable food sources, Fix-It clinics
5. Student Involvement
  - (a) Student sustainability leaders club or student council spearhead events and education

##### Energy

1. Light/ Heat
  - a. Energy audit of both campuses (Action item)
  - b. Designate energy efficiency for each Campus
    - Bonito Campus
    - Cedar Campus
  - c. Energy Efficiency
    - i. Invest in LED light bulbs where possible (action item)
    - ii. Timers for lights and power strips
    - iii. Action items for Energy efficiency
  - d. Look at furnace filters and change regularly
  - e. Closing doors
  - f. Investing in better insulation at Cedar
  - g. Turning thermostats down
  - h. Investment in Renewable energy
    - i. Feasibility of renewable energy
    - i. Purchasing carbon credits

## Neighborhood Sustainability Grant Application (FY20-21)

2. Water
  - a. Contact Water Conservation Team at the City of Flagstaff for ideas, resources, to reduce water use
  - b. Apply for School Retrofit program through City of Flagstaff Water Conservation (application opens July 1)
  - c. Rain barrels for garden areas
  - d. Native/ drought tolerant plants in green spaces

### Waste Management

1. Composting School Wide
2. Recycling/ Reusing (better education and system, start with Terracycle, continue Crayola marker recycling)
3. Offer incentives for students using reusable water bottles, lunch containers
4. Sell FJA reusable containers and beeswax wraps to students/families
5. Flea Market for used goods
6. Host Fix-it Clinic

### Transportation

1. No idling campaign (make pick-up more efficient, ask parents to turn off vehicle if sitting for more than thirty seconds)
2. Carpool/ walk pool groups (establish contacts, meeting locations)
3. Bike to School (all year, establish meeting locations)
4. Share Mountain Line locations with families, help students ride the bus
5. Mountain Line bus used for field trips

### Fundraising

1. Create a process to designate where funds will be applied to.
2. Proposed funding ideas (fundraiser of lunch kits, grants, Donors Choose, FJA designated funds)
3. City of Flagstaff Neighborhood Sustainability Grant
4. Teaching Enhancement Award through FJA

### Communication/Marketing

Dashboard to communicate where we are at in our goals for the climate action plan.

Needs:

Separate outline into:

Goal, Objectives, Action Items

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### Q19

Respondent skipped this question

Optional Upload: Upload a map or photo of the site (file size limited to 16MB).

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### Q20

Detailed Budget and Budget Narrative: Provide the total project budget in detail, specifying which aspects of the project are to be funded by the Neighborhood Sustainability Grant and include any additional funding sources. The narrative should provide a general overview of how the grant funds would be used. Optional: download this PDF template and re-upload in the next question. Type "see attachment" in the comment box if using this option.

see attachment

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### Q21

Optional Budget Upload: Upload your budget and narrative (file size limited to 16MB).

**Neighborhood Grant budget.docx (30.2KB)**

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**Q22**

Community References: Include at least two independent references.

Reference 1 (R1) Name:	<b>Dara Marks Marino</b>
R1 Affiliation:	<b>NAU</b>
R1 Occupation:	<b>Institute for Tribal Environmental professionals</b>
R1 Phone:	<b>928-853-6774</b>
R1 Email:	<b>daramarksmarino@gmail.com</b>
Reference 2 (R2) Name:	<b>John Taylor</b>
R2 Affiliation:	<b>Terra Birds</b>
R2 Occupation:	<b>community organizing, gardening in schools, landscaping</b>
R2 Phone:	<b>unsure</b>
R2 Email:	<b>jt@terrabirds.org</b>

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**Q23**

**Respondent skipped this question**

Optional - Letters of Support: Letters of support are optional. If your application includes letters of support, please compile your letters into one PDF and upload (file size limited to 16 MB) here. Use the following file name: Your Name\_Your Project Title Abbreviated\_Sustainability Grant\_Month Year.

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**Q24**

**Food, Waste, Climate Action, and Resilience Projects:  
I/a representative will attend the July commission meeting.**

Mandatory Attendance at Sustainability Commission meeting: Attendance at either the June (Water Conservation projects) or July (Food, Waste, Climate Action, and Resilience projects) Sustainability Commission meeting is mandatory. These meetings are held on the fourth Thursday or each month from 4:30-6:30pm at Flagstaff City Hall (211 W. Aspen Avenue). Please refer to the Sustainability Commission webpage for specific dates and agendas. You may send a representative from your organization or a project partner in your place in the case that you are unable to attend. Please check the box below indicating which meeting you will attend.

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**Q25**

I have read and understood the information regarding my application for a Neighborhood Sustainability Grant and I understand that the grant money is not a prize for personal profit or gain and is strictly for the project described. I further understand that the City of Flagstaff has the right to allocate and supervise the spending of the grant money and when projects do not proceed within the stated timetable, the City of Flagstaff reserves the right to request that the grant be refunded. I understand that recipients of these grants may be invited by the City of Flagstaff to participate in promotion and publicity of the project. Please type your name below to electronically sign and signal your agreement to these terms and conditions listed in the Grant Application and Agreement.

Applicant Electronic Signature:

**Stefan Vest**

Title:

**Assistant Director - Flagstaff Junior Academy**

Date:

**5/29/2020**

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BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST
	\$/Unit	Quantity		
<b>Supplies and Materials</b>				
motors <a href="https://kelvin.com/project-motor-with-leads-3v-6v">https://kelvin.com/project-motor-with-leads-3v-6v</a>	\$1.55	25		\$38.75
solar panels, <a href="https://www.vernier.com/product/kidwind-2v-400ma-solar-panel/">https://www.vernier.com/product/kidwind-2v-400ma-solar-panel/</a>	\$19	10		\$190
10 pk- kid wind basic turbine pack- <a href="https://www.vernier.com/product/kidwind-basic-turbine-building-parts/">https://www.vernier.com/product/kidwind-basic-turbine-building-parts/</a>	\$139	2		\$278
25 pk-solar cockroach (fun!!!) <a href="https://www.browndoggadgets.com/collections/tbm/products/solar-cockroach-2-0-kit?variant=30865154514">https://www.browndoggadgets.com/collections/tbm/products/solar-cockroach-2-0-kit?variant=30865154514</a>	\$100	1		\$100
water pumps <a href="https://www.vernier.com/product/kidwind-small-water-pump-with-tubing/">https://www.vernier.com/product/kidwind-small-water-pump-with-tubing/</a>	\$11	10		\$110
additional supplies like Popsicle sticks, pipe cleaners, dowels, tape, glue, etc. for climate change projects in Science classes				\$250
<b>Equipment</b>				
Signage and installation for our no idling campaign at school to reduce emissions.	~\$30	3		~\$90
<b>Other</b>				
Provide a small stipend for the NAU Masters candidate who will be writing and revising our school's Climate Action Plan. (We are hoping that an exception could be made for this)				\$600
<b>TOTAL FUNDS REQUESTED</b>				<b>\$1,656.75</b>
<b>List additional funding sources below.</b>				
Fundraising through selling re-usable lunchware				

<b>TOTAL ESTIMATED PROJECT COSTS</b>	
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Optional: Follow the budget template provided below and re-upload in the next question. Type “see