Recreational Services Green Action Fund Proposals

Submitted by: Clinton Johnson/Trey O’Connell: Student Maintenance Supervisors
Kyle Hammel/Lauren Billinger: Student NIRSA Club Organization
Steve Martini: Director
Daniel Schapaugh: Facility Specialist

Dear Committee Members:

The Recreational Services student maintenance supervisors and the student NIRSA club organization are excited to present two Green Action Fund proposals for your consideration. We believe these projects will provide benefits the K-State community in the arenas of sustainability and convenience. The expansion and renovation project at the Rec Complex was just completed in the fall of 2013. This project was entirely funded by K-State students through a referendum vote in 2007. It is a great facility, but we feel that our projects address concepts that are lacking in the final design. We hope that you find these proposals to be a direct benefit towards making the building more user friendly, as well as addressing two key issues regarding sustainability; beverage bottle waste and transportation.

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Rec Proposal #1: Bicycle maintenance stations/additional south entrance bike parking

We propose the installation of two bicycle maintenance stations, similar to the style shown in the illustration below. These would be located at the two public entrances to the Rec Complex. We also propose the installation of additional bike parking racks at the south entrance of the facility to bring our bike parking capacity to 48 units in that location. Please see our map on the final page for details of these placements. We have modified this portion of our proposal to include regular bike maintenance clinics offered every semester. Proposal concepts and services will be promoted by NIRSA club members through Facebook, Twitter, and digital signage in the Rec Complex.
Environmental benefits to the University:

Additional bike parking and service opportunities consistent with university bike parking policies can encourage an increase in bicycle use. Many benefits can be associated with these actions, such as fostering the personal wellness of the campus community, reducing campus traffic loads and street wear. A further benefit could be the reduction of potential damage to infrastructure fixtures around campus facilities, as patrons utilize any and all structures to secure their bike when racks are full.

Benefits to the K-State student body:

The addition of public use maintenance tools on the north end of campus would complement services provided on the south end of campus at the Student Union. Peters Recreation Complex currently has a bike parking capacity of 36 units at the south service entrance. During peak hours this has proven to be an insufficient level for the number of students accessing the facility. Patrons resort to bike parking practices inconsistent with university policy. This proposal would increase the south side bike parking capacity to a total of 48 units. Regularly scheduled semesterly clinics will be offered by Recreational Services student staff.
Student Involvement in Project:

The student Maintenance Supervisors, Clinton Johnson, Trey O’Connell, and their staff, will install and maintain the bike service stations. The NIRSA student organization led by Kyle Hammel, President, Lauren Billinger, Vice President and Courtney Gill will advertise and promote the use of the service stations to the campus community. The NIRSA Club and the student maintenance supervisors will schedule and administer semesterly bike repair seminars upon placement of the stations. The NIRSA club members will promote the use of the bike maintenance stations and biking through Facebook, Twitter, and digital signage in the Rec Complex.

<table>
<thead>
<tr>
<th>Budget Proposal #1:</th>
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</thead>
<tbody>
<tr>
<td>Service Station</td>
<td>2 x</td>
<td>$950.00</td>
<td>$1,900.00</td>
</tr>
<tr>
<td>8x10 Concrete Pad</td>
<td>1 x</td>
<td>$900.00</td>
<td>$900.00</td>
</tr>
<tr>
<td>Bike Rack U-Rail (Global Industrial)</td>
<td>1 x</td>
<td>$510.00</td>
<td>$510.00</td>
</tr>
<tr>
<td>Labor (hrs)</td>
<td>15 x</td>
<td>$7.25</td>
<td>$108.75</td>
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<td><strong>TOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$3,418.75</strong></td>
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Timeline:

- 2/1/2014 Order service stations and bike rack
- 3/1/2014 Secure contract for concrete pad
- 4/1/2014 Install bike rack and service stations
- 4/14/2014 Organize clinics & awareness campaign

Administration of the project:

Recreational Services Facility Specialist, student Maintenance Supervisors and the NIRSA student organization will administer and manage the project as described above.

Rec Proposal #2: Water bottle filling stations (4 units)

We have modified this portion of our proposal to only include the installation of retro fit water bottle filling stations. These will be located in high use areas including the second floor cardio deck, first floor weight rooms and link corridors. Please see the facility map on the final page for the detailed locations. We have eliminated the installation of two stand-alone units in favor of the retro kits for a
significant cost savings from the original proposal, over $3800 in cost reduction. Student NIRSA members will promote use and tallied ‘waste savings’ through Facebook, Twitter, and digital signage in the Rec Complex.

Environmental benefits to the University:

Increased availability of water filling stations encourages re-use of containers and re-usable containers, reducing the volume of the campus waste stream. The model of Elkay filling station we have chosen highlights the estimated number of conventional plastic bottles saved by the use of these stations. These tallied waste savings would be both highly visible to, and directly affecting over 3000 users per day at the Peters Recreation Complex. A similar comparison can be drawn from the University of Kansas Recreation Complex, a comparable facility in size and scope. KU Associate Director Jill Urkoski recently filled us in with the impact of this type of system in their facility. “before we installed our bottle fillers our building was the highest seller of bottled water for Coke on campus. Since installing, there is very little water or sport drink sales in our building. As of right now we have 5 fountains with bottle fillers. There are counters on each one. The counter is equivalent to saving a 16 oz plastic water bottle. The counters are reset when the filter gets replaced. As of right now the total for our 5 stations is 346,281 16 oz bottles saved. Three stations have just had the filter replaced (this semester), so that number is probably low. We have totals since we installed because we do monthly counts, but I was not able to get that information.” While Director Urkoski’s data does not confirm the actual elimination of hundreds of thousands of bottles from KU’s waste stream, it does confirm the extremely high rate of usage and a significant buy-in to the use of reusable containers. We believe it is fair to expect a similar impact on the K-State campus.

Benefits to the K-State student body:

Unfortunately these types of facility features were unable to be completed with original Rec expansion project money. This grant would allow Recreational Services to complete some of these features that were eliminated. These stations would provide an additional convenience for a substantial number of individuals in the campus community, as over 80% of the K-State Student body uses the Rec facility during their time at K-State.

Student Involvement in Project:

The student maintenance supervisors, Clinton Johnson and Trey O’Connell, and their staff will assist with the installation and maintenance of the water bottle filling stations. The NIRSA student organization led by Kyle Hammel, President, Lauren Billinger, Vice President and Courtney Gill will
advertise and promote the use of the water bottle filling stations to the Rec Complex patrons and the campus community. Promotion will happen through Facebook, Twitter, and digital signage in the Rec Complex. This group will also maintain the records of the “waste savings” for public posting.

<table>
<thead>
<tr>
<th>Budget Proposal #2:</th>
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<tbody>
<tr>
<td>Elkay Retro Fit Kit (Global Industries)</td>
<td>4 x</td>
<td>$500.00</td>
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<tr>
<td>Labor (hrs)</td>
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<td>$7.25</td>
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<tr>
<td>Filters</td>
<td>4 x</td>
<td>$110.00</td>
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<td><strong>TOTAL:</strong></td>
<td><strong>4 x</strong></td>
<td><strong>$2,498.00</strong></td>
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**Timeline:**

- 3/1/2014  Order retro fit stations
- 4/1/2014  Install stations and begin usage
- 4/7/2014  Begin awareness campaign

**Administering the project:**

Recreational Services Facility Specialist, the student Maintenance Supervisors and the NIRSA student organization members will administer and manage the project as described above.