

14th Annual IFMA Seattle
Education Symposium
MARCH 11, 2010



Bastyr University



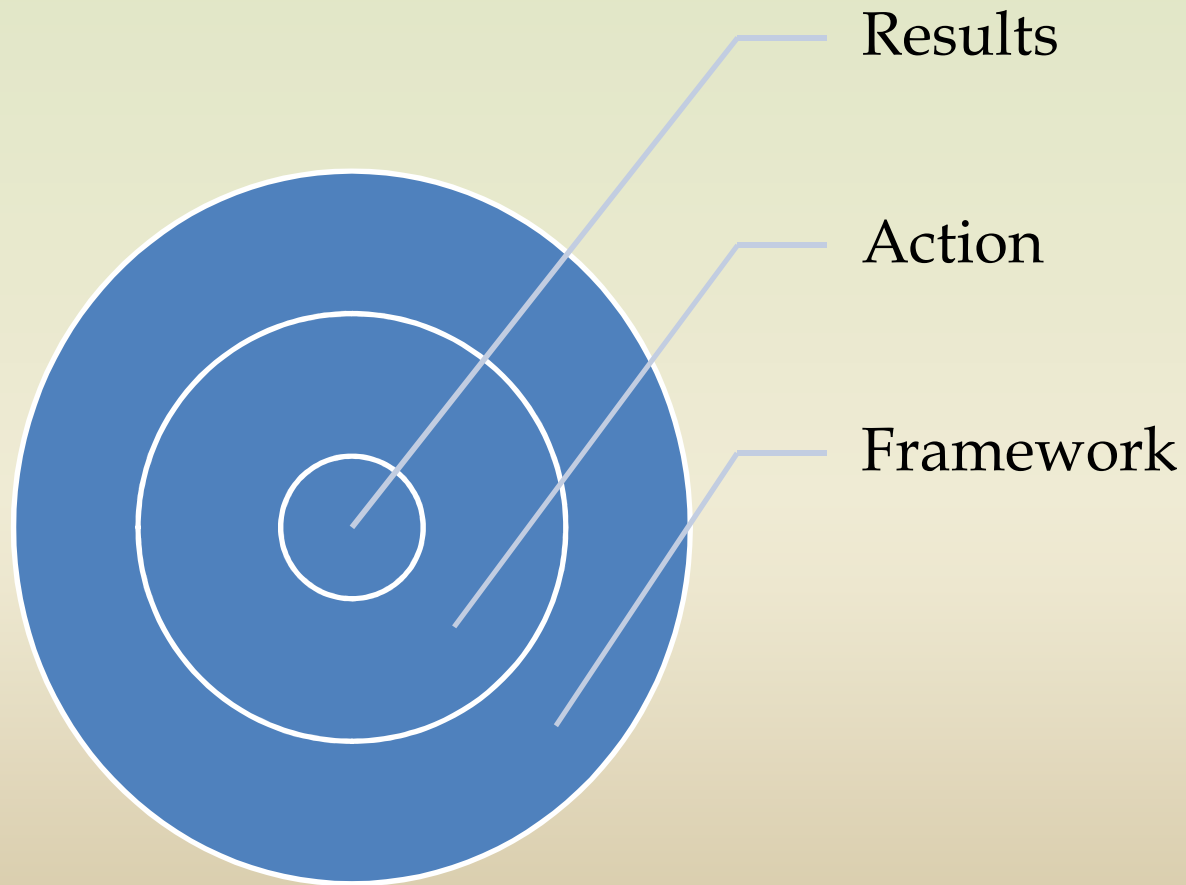
Bastyr University

Kenmore, Washington

Bastyr University is a non-profit, private university offering both graduate and undergraduate degrees, curriculum in science-based natural medicine. The University is recognized globally for its rigorous curriculum and strong research. Bastyr's international faculty teaches the natural health sciences with an emphasis on integrating mind, body, spirit and nature.

- A written Sustainability Plan provides a road map for staff, students and key decision-makers as they work on sustainability efforts. Creating your plan can strengthen everyone's efforts and ensure the continuous improvement of your sustainability activities.
- There is no single formula or approach to sustainability planning. The key is to develop a planning process and functional documents that add value to the work done.
- **Every improvement creates an additional step for the next goal or project to be successful.**

Bastyr University Sustainability Plan



Frame Work

- ❖ Recognize what's wrong or could be done better
- ❖ Vision-shared & common language
- ❖ Get people involved-trustee to student
- ❖ Create a "brainstorm list"
- ❖ Strategic plan

ACTION PLAN

- Replace consumables with 100% recycle products
- Reduce land filled waste
- Water Conservation
- Energy Conservation
- Indoor Environment Improvement
- Transportation

RESULTS

➤ Green Supply Chain

1. Paper products-100% recycle content
2. 100% recycle copy paper
3. Collecting single sided waste copies and turn them into note pads
4. Encourage double-side copying
5. Compostable products
6. Pesticide Free, only use organic Vegan fertilizer

➤ Green Cleaning

1. Started with 87 types of chemicals now use 3, our standard green cleaner is a enzyme based multi-purpose degreaser
2. Use reusable rags not paper

➤ Waste & Recycling

1. Reduced 832 cubic feet of land filled material
2. Compostable program saving over \$6000 disposal fees
3. Battery recycle program- 500 pounds annual
4. 100% recycle lamps & ballast
5. Collection of all metals and are taken to a metal recycler
6. Wooden pallets return to vendors or to Cedar Grove for compost.
7. Purchase recyclable toner cartridges- 950 units annual
8. Collect of old cell phones to a non profit for re-use

➤ Water Conservation

1. Water savings of \$15,000 with a payback time of 1.9 years- Waterless urinals, automatic flush toilets and sink faucets, .05/ gal flow restrictors and Oxygenic shower heads.
2. Collect spring water for irrigation and boiler system in a 100,000 gallon water tower saving \$9,000 annual.

➤ Energy

1. Retrofit T12 to T8 lamps saved 26,517kWh/yr. (This represent supplying electric for two homes per year) Using PSE rebate grants to pay for projects.
2. Vending machine have energy misers saving \$750/year.
3. Energy star rating washer and dryers

➤ Indoor Environment Improvement

1. Less sick days due to off gassing by using low or no VOC paint, carpet and furniture
2. Preventive Maintenance by changing air filters and cleaning exhaust ducts
3. Cleaning staff using green cleaning methods

➤ Transportation

1. Use Bastyr van to transport students to and from our clinic in Seattle on a scheduled route, reducing car usage
2. Using the Metro ORCA card system for student for use of public transportation
3. Encourage students and staff to use bicycles

Recognition

- Bastyr is runner up on the Washington State Green award by Washington CEO magazine.
- Bastyr has received 4 stars from the EnviroStars program of King County. The 1st University to be awarded this honor
- Bastyr received recognition from The Wildlife Federation as being one of 14 GREEN universities

- Bastyr Clinic in Seattle, has a LEED Silver award for remodeling of existing building
- Bastyr University is building a new Student Village, 11 buildings (12 dorm rooms each) which will be certified as a LEED Platinum rating when completed in July 2010

Results of Sustainability Plan



Future Projects

- ❑ Bastyr has been awarded to be a Beta-Site from Philips Lighting to install their new electrical control system to regulate the lighting in offices, stairwells, classrooms and hallways. This will result in great savings of kWh and carbon foot print reduction.
- ❑ Campus roof rainwater harvesting is in the planning stage to collect rainwater for toilet water use
- ❑ Use 100% recycle content air filters
- ❑ Continue to bring on-line an automatic control system for our mechanical equipment

Do you have a better idea?



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