

WATTS of Sweat: Re-CYCLE Your Energy

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Purpose



http://recservices.usask.ca/images/pages/FitCentre-01.jpg

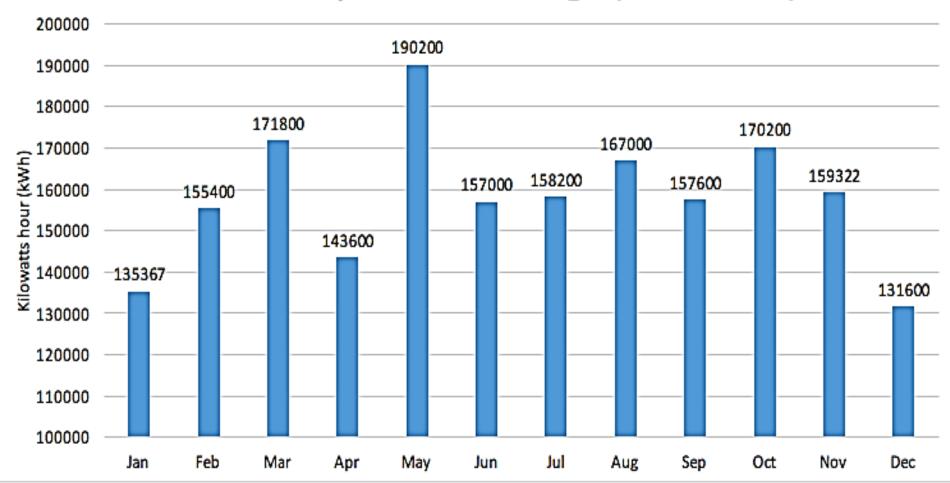


Purpose

• Offset Electricity Costs at the PAC



PAC Monthly Electrical Usage (2012-2015)





- Offset Electricity Costs at the PAC
- Education and Awareness
 - Community Engagement
- Encourage Sustainable Thinking



AASHE – STARS

University of Saskatchewan

- Influencing higher education facilities to be drivers of sustainable innovation (AASHE, 2015)
- Five categories the *U* of *S* is rated in are:
 - Academics: 23.2/58
 - © Engagement: 16.94/41
 - Operations: 20.87/69
 - Planning and Administration: 18.75/32
 - Innovation: 4/4





Types of Technology



http://usafitnessdirect.com/wp-content/uploads/2013/05/sportsart-logo.png





http://www.technogym.com/img/net/artis/logo_artis-payoff.jpg http://www.wellnessaccelerator.com/wp-content/uploads/2015/08/Logo-Technogym.png



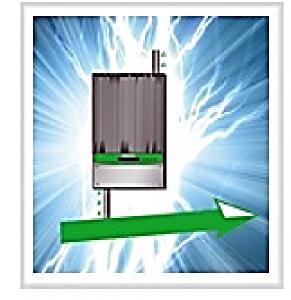
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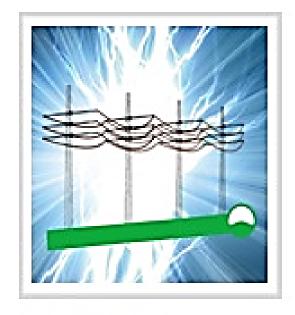


http://www.usask.ca/nutritionfoodsecurityhealth/images/University-of-Saskatchewan-logo1.jpg









HUMAN ENERGY

Kinetic energy from your workout is converted to DC (Direct Current) and sent to the **Re**Rev System.

CURRENT CONVERTS

ReRev converts the DC current into AC (Alternating Current), the form of electricity used by homes and businesses.

RENEWABLE ENERGY

The electricity can then be used to power the building.





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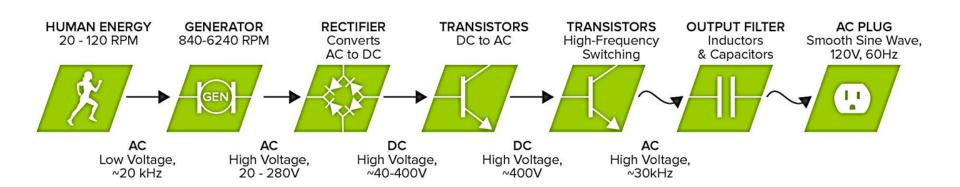
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SportsArt - ECO-POWR

How it works:



http://sportsart.wpengine.com/wp-content/uploads/ECOPower_Landing_LetsGet1echnical_2000px-e1440446670233.jpg





SportsArt Elliptical



http://sportsart.wpengine.com/wp-content/uploads/ECO-POWR_G875-Elliptical_Left3qtr2-375x400.jpg

Recumbent Cycle



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SportsArt Upright Cycle



http://sportsart.wpengine.com/wp-content/uploads/ECO-POWR_G575U-UprightCycle_3qtr-1-375x400.jpg

Indoor Cycle



oftp://sportsart.wpengine.com/wp-content/uploads/ECO-POWR_G510-IndoorCycle_Left3gtr-1-375x400 in





TechnoGym Artis

ARTIS - RUN



http://www.technogym.com/library/catalog/product/cache/1/thumbnail/9df78eab33525d08d6e5fb8d27136e95/D/B/DBK0EVT_run_artis_gallery_01_29.jpg

ARTIS - SYNCHRO



http://www.technogym.com/library/catalog/product/cache/1/image/040ec09b1e35df139433887a97daa 66f/D/B/DB503VT synchro artis hero 01 23.ipg







TechnoGym Artis

ARTIS - BIKE



http://www.technogym.com/library/catalog/product/cache/1/thumbnail/9df78eb33525d08d6e5fb8d27136e95/D/B/DBC03VT bike artis hero 1 23.jpg

ARTIS - RECLINE



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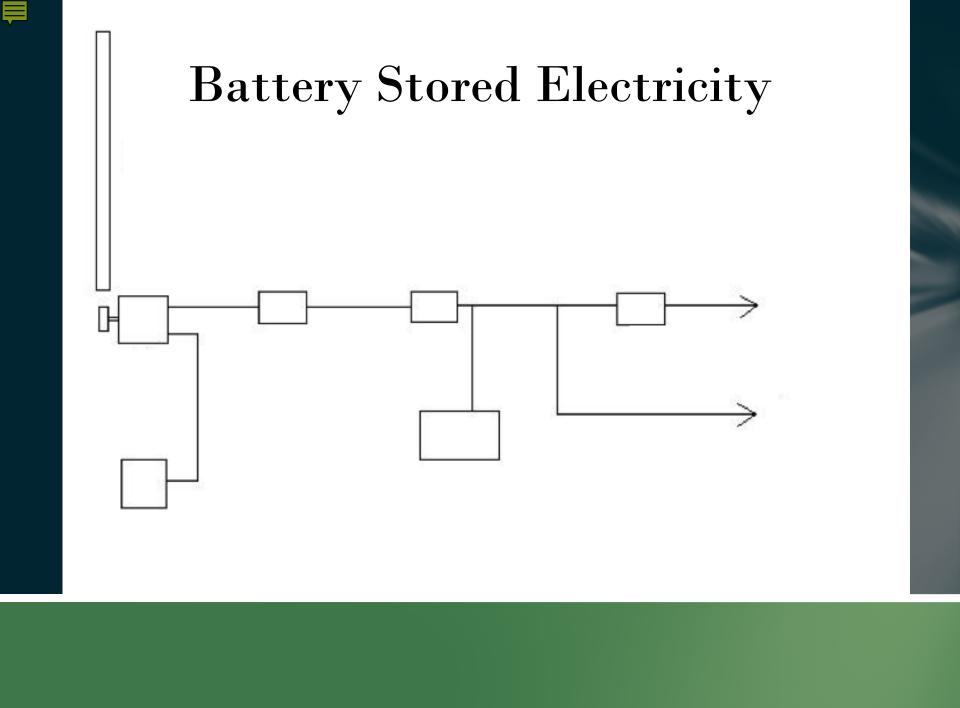


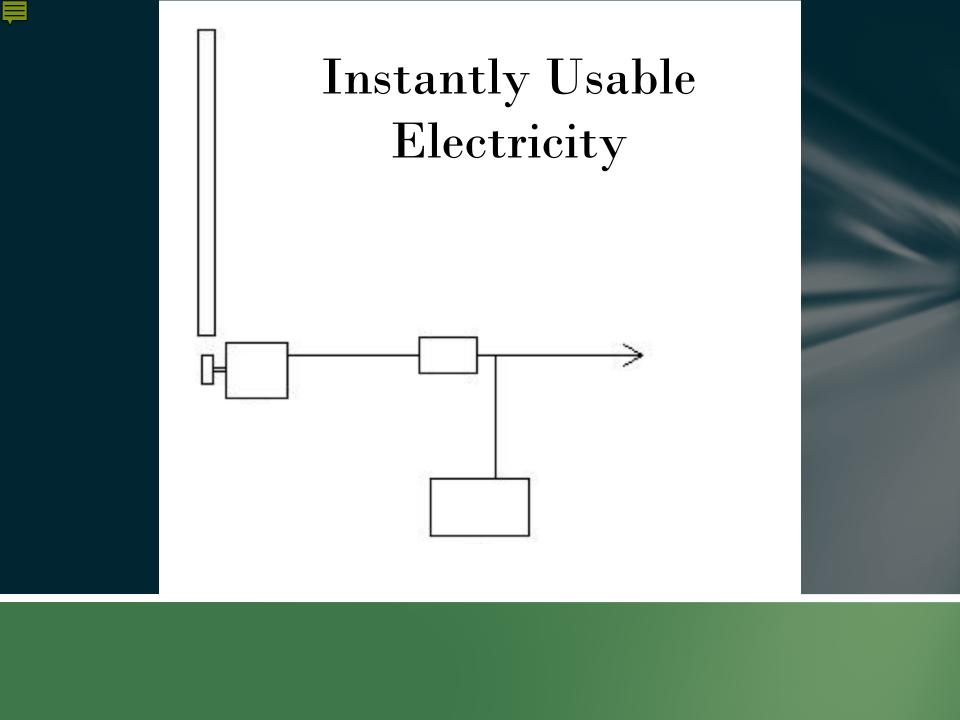


Local Technology









Type Of Equipment	PAC Equipment	ReRev	SportsArt	TechnoGym Artis	Local Technology
Elliptical	\$4,500	Case-by-case	\$7,395 FC	\$10,390	N/A
Treadmill	\$7,000	N/A	N/A	\$13,290	N/A
Upright Cycle Bikes	\$3,100	N/A	\$3,995 FC	\$6,290	N/A
Recumbent Cycle Bikes	\$3,500	N/A	\$4,795 FC	\$6,690	N/A
SPIN Bikes	\$1,100	N/A	\$2,795	N/A	\$400/bike



Who is Using this Equipment?



https://lh6.googleusercontent.com/tLFi4IzWRQ8/AAAAAAAAAAAI/AAAAAAAAL1s/imUWjAut39g/s0-c k-no-ns/photo.jpg



http://augustafreepress.com/wpcontent/uploads/2011/01/jamesmadisonlo gopurplepc.jpg



http://csun.askonline.net/program_files/csun/logo.jpg









http://thecprhero.com/wp-content/uploads/2013/10/chapman-uni-logo.gif





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Eckerd College





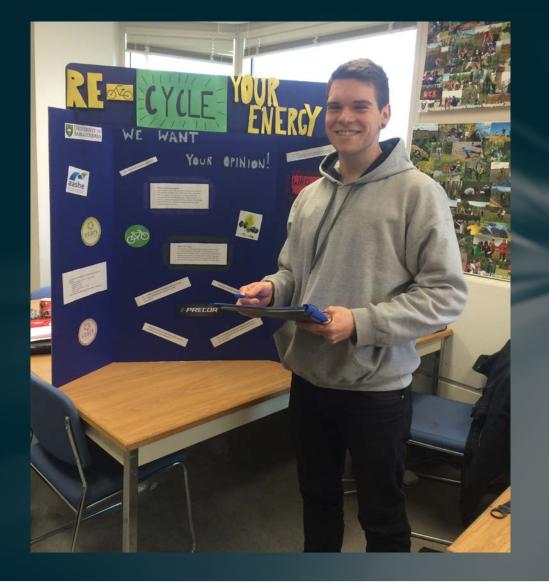




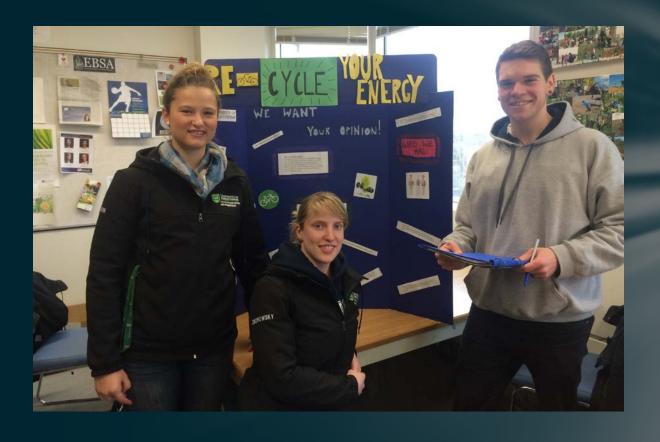




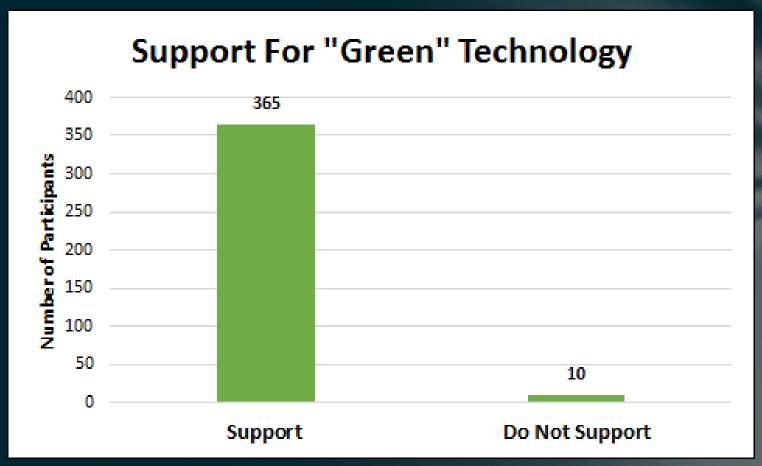






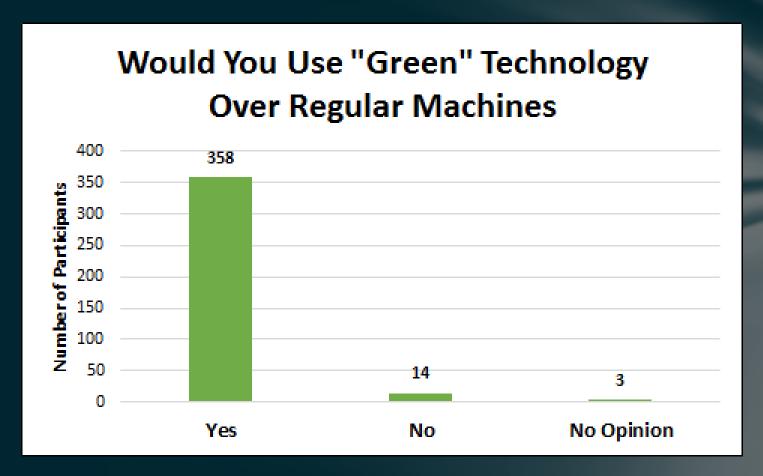






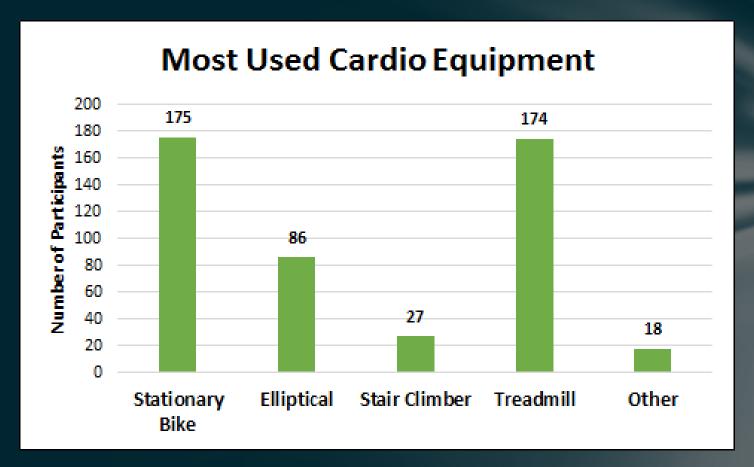
Do you support the idea of having energy generating technology implemented on the PAC cardio equipment?





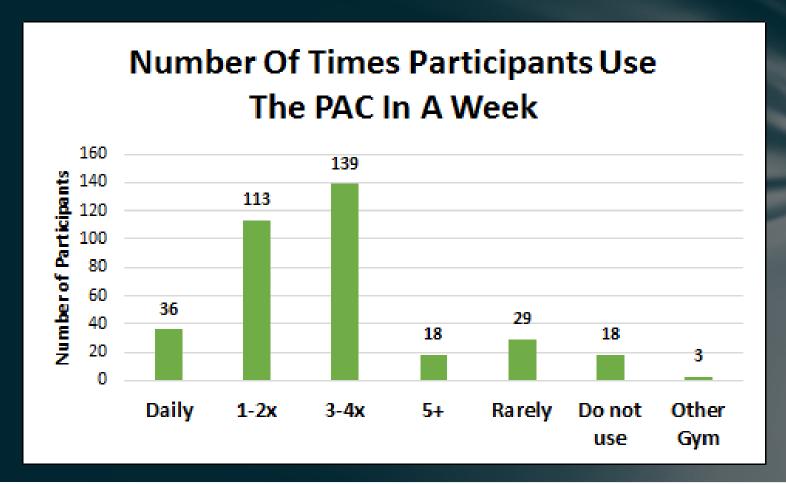
If this technology was adopted, would you rather use a piece of cardio equipment that produced electricity?



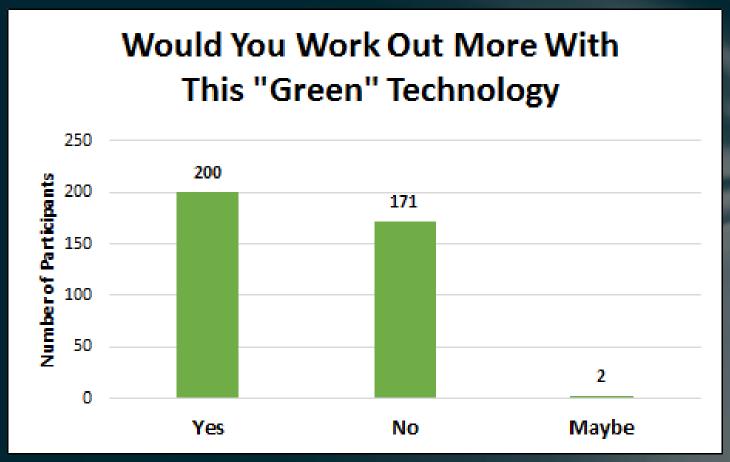


What piece of cardio equipment do you use most?









Would you work out more if you knew you were producing your own electricity?



Comments on the Survey

"Great idea!"

"I think it would be a cool way to educate people about electricity consumption"

"Why aren't we funding this?"

"Sounds like an unreal idea!"

"How much \$\$\$"

"Cost to implement?"

"Make it cheap; if it costs too much to make and maintain it defeats the purpose."

"I don't believe the benefits of elec-generating bikes outweigh the costs."



Our Recommendation

Equipment Replacement:

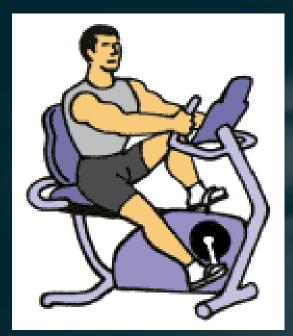
- SportsArt is economically feasible

Retrofit Equipment:

- Implement local technology



Questions?



http://www.exerciseplace.org/sitebuildercontent/sitebuilderpictures/Exercises/recumbent_bike.g