



MONTANA STATE UNIVERSITY OFFICE OF SUSTAINABILITY

NEWSLETTER FOR MAY 11th - MAY 28th

HAPPENING THIS WEEK



BOZEMAN BIKE WEEK

MAY 11TH- MAY 15TH 2015

BOZEMAN BIKE TO WORK WEEK IS MAY 11-15 THIS YEAR, AND AS IN YEARS PAST WE'VE GOT SOME GREAT EVENTS LINED UP. THE MORNING COFFEE STOPS WILL BE BACK AGAIN THIS YEAR, WITH THE FOLLOWING BUSINESSES ALREADY ON BOARD.

-MONDAY, MAY 11TH: 7-9AM: ROCKFORD COFFEE (411 EAST MAIN)

-TUESDAY, MAY 12TH: 7-9AM: SOLA CAFE AND MARKET (290 WEST KAGY)

-WEDNESDAY, MAY 13TH: 7-9AM: COLD SMOKE COFFEEHOUSE (2051 W OAK)

-THURSDAY, MAY 14TH: 7-9AM: THE DAILY COFFEE BAR (1203 N ROUSE)

-FRIDAY, MAY 15TH: 7-9AM: COMMUNITY FOOD CO-OP (908 W MAIN)

AND THEN AN END-OF WEEK CELEBRATION ON FRIDAY EVENING FROM 5-8PM: AT BEALL PARK (415 N BOZEMAN)



MT COMMUTER CHALLENGE

FRIDAY, MAY 1ST, 8:00 AM

WE'VE GOT AN ALL-NEW WEBSITE SET UP THIS YEAR FOR THE COMMUTER CHALLENGE. THROUGH THE MONTH OF MAY, BIKE WALK MONTANA CHALLENGES WORKERS ACROSS MONTANA TO GET TO WORK BY FOOT, BIKE, OR OTHERWISE OUT OF THE CAR. RIDERS WILL LOG MILES AND BE ENTERED IN FOR RAFFLE PRIZES DRAWN EACH WEEK. AND ONE CAN FIND OUT MORE AND REGISTER AT MTCOMMUTERCHALLENGE.COM.



ENERGY SUSTAINABILITY SERIES

THURSDAY, MAY 28TH, 5:30 PM MSU'S STUDENT UNION BUILDING (SUB) MEETING ROOM 235

WHAT CAN YOU DO TO SAVE MONEY ON YOUR WATER BILL? WHAT IS BOZEMAN DOING TO PROTECT OUR MOST PRECIOUS RESOURCE? COME HEAR THE CITY OF BOZEMAN'S WATER CONSERVATION SPECIALIST LEAD A PRESENTATION ON SPECIFIC WAYS YOU CAN SAVE BOTH WATER AND MONEY, THE CITY'S WATER CONSERVATION PROGRAM AND BOZEMAN'S PLANS TO PROTECT CURRENT AND FUTURE WATER SUPPLIES. JOIN THE YELLOWSTONE-TETON CLEAN ENERGY COALITION TO MAKE WAVES IN WATER CONSERVATION. REFRESHMENTS WILL BE SERVED.

SUSTAINABILITY IN THE NEWS



HAWAII WILL SOON GET ALL OF ITS ELECTRICITY FROM RENEWABLE SOURCES

THINK PROGRESS

THE STATE LEGISLATURE SENT A BILL TO THE GOVERNOR'S DESK THIS WEEK THAT MOVES THE RENEWABLE PORTFOLIO STANDARD (RPS) UP TO 100 PERCENT BY 2045 — WHICH MEANS THAT ALL ELECTRICITY PROVIDED BY THE ELECTRIC COMPANIES WILL HAVE TO COME FROM RENEWABLE SOURCES LIKE SOLAR AND WIND. NATIONWIDE, ELECTRICITY GENERATION MAKES UP ABOUT A THIRD OF ALL CARBON EMISSIONS. HAWAII ALREADY HAS THE GREATEST SOLAR PENETRATION IN THE NATION. ONE OUT OF EVERY EIGHT HOMES IN HAWAII HAS SOLAR, AND ROUGHLY 10

PERCENT OF THE STATE'S ELECTRICITY COMES FROM SOLAR, ACCORDING TO THE SOLAR ENERGY INDUSTRIES ASSOCIATION (SEIA). ANOTHER QUARTER OF HAWAII'S ELECTRICITY COMES FROM GEOTHERMAL SOURCES, ACCORDING TO THE FEDERAL ENERGY INFORMATION AGENCY (THE EIA DOES NOT TRACK RESIDENTIAL SOLAR ELECTRICITY GENERATION).

HAWAII'S DRAMATIC SHIFT TO RENEWABLE ENERGY OVER THE PAST FEW YEARS HAS BEEN LARGELY DRIVEN BY THE ISLAND STATE'S HIGH ELECTRICITY PRICES. HAWAII GETS MOST OF ITS ELECTRICITY FROM OIL-FIRED POWER PLANTS, AND ALL THE OIL IS IMPORTED. ELECTRICITY THERE CAN COST THREE TIMES AS MUCH AS THE NATIONAL AVERAGE, GABBARD SAID.



PLANETARY SOCIETY SET TO LAUNCH SOLAR SAIL EXPERIMENT

NPR

THE PLANETARY SOCIETY IS PREPARING TO LAUNCH A TINY SATELLITE INTO ORBIT LATER THIS MONTH AS THE FIRST PHASE IN TESTING A SOLAR SAIL AS A MEANS OF SPACECRAFT PROPULSION — AN IDEA THAT HAS BEEN KICKING AROUND IN THE SCIENCE (AND SCIENCE-FICTION) LITERATURE FOR AT LEAST A CENTURY. THE CONCEPT STATES THAT IF A LARGE ENOUGH, KITE-LIKE “SAIL” CAN BE DEPLOYED IN SPACE, THE PRESSURE EXERTED BY PARTICLES STREAMING FROM THE THE SUN (KNOWN AS THE “SOLAR WIND”) COULD BE USED TO PUSH A SPACECRAFT ALONG, MUCH THE SAME WAY THAT A SAILING VESSEL IS PROPELLED WHEN HEADING DOWNWIND. ”SOLAR SAILS FALL INTO THE SAME CATEGORY AS ION ENGINE TECHNOLOGY IN THAT THEY ARE VERY LOW THRUST, BUT HIGHLY EFFICIENT. IN THE CASE OF SOLAR SAILS, YOU DON'T NEED TO BRING ANY FUEL AT ALL, SO IT'S REALLY INFINITELY EFFICIENT IF YOU DON'T MIND THE LONG ACCELERATION TIMES. YOU GET JUST A FEW NEWTONS OF FORCE FROM EVEN A LARGE SOLAR SAIL, WHICH IS WHY SOME OF THE PROPOSED DESIGNS FOR INTERPLANETARY SAILS HAVE SURFACE AREAS MANY TIMES BIGGER — IN THE HUNDREDS OR THOUSANDS OF SQUARE METERS. SCIENTISTS ARE STILL WORKING ON HOW YOU'D DEPLOY SOMETHING THAT SIZE.”

GET A HOLD OF US



THE MSU OFFICE OF SUSTAINABILITY

THE MSU OFFICE OF SUSTAINABILITY IS JOINTLY FUNDED BY ASMSU AND MONTANA STATE UNIVERSITY TO PROMOTE, DEVELOP, AND IMPLEMENT SUSTAINABILITY INITIATIVES AT MONTANA STATE UNIVERSITY.

FOCUSED ON ENGAGING STUDENTS, FACULTY AND STAFF IN THE PROCESS OF MAKING THE UNIVERSITY MORE ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE.

-CALL US AT 406.994.6873. - EMAIL US AT SUSTAINABILITY@MONTANA.EDU-
IF YOU HAVE A SUSTAINABILITY RELATED EVENT, PLEASE EMAIL US AT ASMSUSUSTAIN@MONTANA.EDU. WE WOULD BE HAPPY TO INCLUDE IT!