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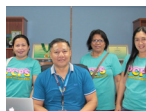


THE OFFICIAL PUBLICATION OF ZAMBOANGA DEL SUR I ELECTRIC COOPERATIVE, INC. • PAGADIAN CITY, ZAMBOANGA DEL SUR

ZAMSURECO-I RATE ADJUSTMENT AWAITS ERC DECISION



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ZAMSURECO-I application for rate adjustment awaits ERC's final decision as the rate case recently underwent evidentiary hearing before the Commission on 21 March 2017 at ZAMSURECO-I Heroes' Hall, Pagadian City.

ERC Hearing Officer, Atty Mc Rhondolf Louie Mabalot and ERC officials together with ZAMSURECO-I Board of Directors and Management, legal counsels, LGU officials, MSEAC leaders and stakeholders attended the said hearing.

The rate adjustment amounting to an increase of 3.73% in the Distribution, Supply and Metering (DSM) charges was filed by ZAMSURECO-I last May 26, 2014 forming ERC Case No. 2016-066.

On the legal perspective, distribution utilities nationwide are allowed under the EPIRA law to adjust retail rates subject to ERC regulation. In the case of electric cooperatives, all adjustments shall be based on ERC methodology known as Rules for Setting the Electric Cooperatives' Wheeling

Rates (RSEC-WR).

On the expository presentation discussed by GM/CEO Jose Raul Sanial, historical records show that the actual rate utilized by the Coop deviates from the current consumer's price index (CPI) as the present electricity rate still reflects the approved 2010 rate based from the RSEC-WR, of which the basis for initial tariff generates from the 2008 price level. Since 2010, ZAMSURECO-I opted to retain its electricity rate to cover recurring costs despite its eligibility to file for an increase.

Bridging the nine-year price gap, ZAMSURECO-I augmented the existing premise by means of applying for a rate adjustment to compensate the rising costs of economic factors transpired as follows: (a) inflation; (b) maintenance on increasing circuit kilometers; (c) regional wage orders, among others. According to GM Sanial's presentation, the proposed rate adjustment only affects the distribution, supply and metering (DSM) charges on a member-consumer's electric bill >> **Continue on Page 5.**



GM Saniel with PCPS teachers Ruby Miparanium, Armene Bobita, Juliet Balanga, Michelle Bagalando and Normelita Paghasian

PCPS, A Z-1 BRIGADA ELECTRIC CHECK RECIPIENT, GARNERS DEPED NATIONAL AWARD



ZAMSURECO-I “Brigada School Electric Check” reached valuable impact to its serving public school community as one of its recipients, Pagadian City Pilot School (PCPS) garnered DepEd’s National Award for being the “Best Implementing School” on the 2016 Brigada Eskwela in Region IX.

Five (5) teachers from Pagadian City Pilot School (PCPS) visited ZAMSURECO-I last March 10, 2017 to bring good tidings and convey message of gratitude to Z-1 General Manager & CEO Jose Raul Sanial on the significance brought by the Coop’s CSR Activity to their school which majorly contributed to the realization of its recently obtained DepEd award.

PCPS, through the efforts of its academe headed by Principal Jocelyn Tala-Perez and Brigada Coordinator Yolibeth Litigio bested public schools in Region-IX under Big School Category, which belonged to the 132 public schools awardees nationwide in the year 2016.

Adding to the good news, Region IX also received a Special Award as “Best Implementing Region with the Highest Increase in Resource Generated” throughout the country.

Overwhelmed with the results, GM/CEO Sanial extend its continuous support to PCPS through the present PCPS teachers Ruby Miparanium, Armene Bobita, Juliet Balanga, Michelle Bagalando and Normelita Paghasian.

Integrated as a form of Corporate Social Responsibility (CSR) program, ZAMSURECO-I, in coordination with DepEd, continues to partner with public elementary schools to promote electrical safety awareness through massive inspection and rehabilitation of electrical connections in classrooms.

Currently on its 9th year, the Coop’s CSR Activity is expected to flourish as ZAMSURECO-I aims to reach more public schools to serve its goal of electrical safety in the community.





Molave Senior Teachers accorded Certificate of Appreciation to guest speaker GM/CEO Saniei.

GM Saniei Inspires Molave Senior Teachers

ZAMSURECO-I General Manager & CEO Jose Raul Saniei delivered an inspiring speech during the annual assembly of the Molave Senior Teachers Association last 15 January 2017 held at Senior Citizen Function Hall, Molave, ZDS.

Nearing towards the date of the assembly, GM Saniei eagerly responded to the invitation of the association to attend as the keynote speaker of the gathering. While the nature of the assembly is to rekindle ties among senior teachers who belong in the generation of Post-War and Baby Boomers, the Generation X CEO still transpired a moving speech to the members of the association.

"You know you're getting old when everything hurts and what doesn't hurt doesn't work." GM quoted. Despite the fact, he said "When we age, we should have aged gracefully by focusing on positive things and cleansing ourselves from undesirable actions and sins." He encouraged the senior audience to utilize time wisely as he stated, "As we watched over TV programs within 6 hours straight, we are diminishing 22 minutes of our life span. With this, we must spend our time in a healthy and productive way, take care of our body and get regular physical exercise and check-up."

GM Saniei also played humor in his speech which generated laughter from the senior crowd. "When you're old, your secrets are safe with your friends because they cannot remember it anyway."

About 44 members of the Senior Teachers Association headed by its President Dr. Carlicita A. Saniei, Ph.D and Vice

President MSEAC Benjamin Dumpit Sr. attended the the assembly along with former elementary and high school teachers of GM Saniei.

Reaching towards the climax of the good manager's speech, he shared a passage which touched the hearts of the crowd entitled "Insight of a Senior Citizen" by Catherine Roozman Weigenzberg. An excerpt from the shared message went "Let me talk about the past; I may not remember what happened yesterday but treasured moments of years gone by bring a smile to my face. Don't treat me like a baby; the only time I need to feel like a child is when I receive much needed cuddles and hugs. Please don't laugh the way I look; one day, if you're lucky, you too will have white hair, many earned wrinkles and a pouch where your toned muscles used to be. I would appreciate it if you wouldn't rushed me; I hurried all my life and need to slow down now."

On latter part of the event, members of the association entertained everyone as they rendered song and dance presentation.

The gathering ended with the giving of delights and raffled groceries donated by ZAMSURECO-I. Solar camp flashlights were also distributed to each MOSTA member who are also member-consumers of the Coop. The said activity is an integral part of the Coop's Corporate Social Responsibility.

ZAMSURECO-I, as an electric distribution utility, continues to tap different sectors in the community evident on its recent outreach to senior citizens of Molave Senior Teachers Association.



9 BARANGAYS FED ON ZAMSURECO-I SINSILYO SA LATA FEEDING PROGRAM

Nine (9) barangays within ZAMSURECO-I franchise coverage benefitted from the Coop's Sinsilyo sa Lata Feeding Program conducted from January-March 2017. Barangays Sambulawan, Balugo, Lumbog, Panubigan, Campo, Tanubuay, Kabuhi, Poblacion and Lison Valley were the chosen recipients of the noble program in the first quarter of the 2017.

Rigorously pushed every year, the feeding program reached to a total of 2,263 beneficiaries held distinctively at the municipalities of Tukuran, Tambulig, Margosatubig, Pitogo, Ramon Magsaysay, San Pablo, Mahayag, Tigbao and the city of Pagadian respectively.

Z-1 District Directors, MSEAC, ZAMSURECO-I team together with the active support of the Barangay officials and public school teachers attended the said activity. The program was packed

with children's excitement and fun participation as ZAMSURECO-I team prepared series of parlor games with winning prizes.

While the goal of the program is to reach marginalized communities, ZAMSURECO-I aligns its CSR activity to promote awareness against malnutrition by serving nutritious meals to kids as the Coop advocates for health and development.

Funds were sourced from the total donation of the member-consumers. The term "Sinsilyo sa Lata" was taken from the act of contributing coins on the tin cans found at ZAMSURECO-I Telling Section and Bayad Centers.

Leaning towards the future, ZAMSURECO-I Sinsilyo sa Lata Feeding Program is expected to reach further its surrounding communities in the proceeding quarters of the year.

Z-1 Area Coverage	Name of Barangay	No. of Beneficiaries	Date Conducted
II	Brgy. Sambulawan, Tukuran	200	January 20, 2017
I	Balugo, Tambulig	213	January 24, 2017
III	Lumbog, Margosatubig	350	January 27, 2017
II	Lison Valley, Pagadian City	350	February 10, 2017
III	Panubigan, Pitogo (Panubigan Elementary School)	150	February 17, 2017
I	Campo V, Ramon Magsaysay	410	February 18, 2017
III	Tanubuay, San Pablo	150	March 17, 2017
I	Kabuhi, Mahayag, Zamboanga del Sur	200	March 18, 2017
II	Poblacion, Tigbao (Tigbao Central School)	240	March 23, 2017





ZAMSURECO-I RATE ADJUSTMENT AWAITS ERC DECISION

from page 1

regardless of consumer type (e.g low voltage, high voltage and residential) as Coop expenses incurred are generally covered by the collection of DSM charges.

GM/CEO Saniel explained that the basis for the frequency and formula of rate adjustment emerged from ERC's promulgated rules and mechanism known as the Tariff Glide Path (TGP). Under the rules, GM/CEO Saniel mentioned that the TGP is an opportunity for electric coops to adjust rates once every three (3) years in a regulatory period of six (6) years. However, the Coop continued to implement the same rate without prior changes within the regulatory period of 2012-2017, which evidently pushed the Management to level the electricity rate to the current costs.

On the other hand, EDP/ISD Manager Azucena Lagura presented the formula of the computation of proposed rate adjustment. As discussed, the formula composes on three (3) variables that represent economical factors in the electric coop's performance which are as follows: (1) Index I; (2) Efficiency factor X; and (3) Performance incentive S.

Expounding the details, EDP/ISD Lagura described that the Index "I" is an escalation factor to reflect combined impact of inflation and load factor while Efficiency Factor "X" accounts the operational efficiency of the electric coop. Meanwhile, Performance Incentive "S" serves as the critical factor, which rewards or penalizes the EC for above or below performance, respectively.

In the latter part of the evidentiary hearing, ZAMSURECO-I requested for a grant of authority to implement the rate adjustment with inclusion of performance incentive "S" amounting to 3.73% increase effective January 2015 and up to the next regulatory reset.

To date, the application for the said rate adjustment pursuant to Tariff Glide Path (TGP) is still subject for the final decision of the Energy Regulatory Commission (ERC).





NEWEST BAYAD CENTER TO CATER RAMON MAGSAYSAY CUSTOMERS



Recognizing the gradual rise of economic activity of the Municipality of Ramon Magsaysay (RM), ZAMSURECO-I strengthens access to Ramon Magsaysay member-consumers as it opens its newest Bayad Center at Public Market, Poblacion, Ramon Magsaysay last January 25, 2017.

District Director Marivic Chaves and MSEAC graced the opening ceremony along with Area-I Acting Manager Rodolfo Lagura and Area-I Collection team with RM Parish priest Rev. Fr. Salvador Banga who led the inauguration rites.

Prior to its establishment, the facility underwent careful assessment led by GM/CEO Saniel to effectively target the increasing number of residents and member-consumers in Ramon Magsaysay. The studied location of the establishment answers the

ease of consumers' access as it serves as a point of convergence of customers mainly due to public utilities situated at the area such as public market and bus terminal.

Strengthening its collection efficiency initiatives, the RM Bayad Center is set to serve the growing market of Ramon Magsaysay and enable consumers' access of payment facility in the said area. At present, the RM Bayad center is now fully-functional which features a fully air-conditioned and seating facility aimed to accommodate paying member-consumers at their convenience.

Started in the year 2006, the establishment of its newest RM Bayad Center adds to the roster of strategies in bringing the services of the Cooperative closer to its member-consumers.



District Dir. Marivic Chaves posed for the camera with members of the MSEAC and Z-1 employees



ZAMSURECO-I
offers dance prayer to
Senyor Sto. Niño

ZAMSURECO-I EMPLOYEES PARTICIPATES IN ARAW NG BRGY. SAN FRANCISCO AT LIGA CITY





Transmission outage causes ZAMPEN-Wide Blackout

The power service interruption on May 4, 2017 that affected the entire Zamboanga Peninsula and parts of the Province of Lanao del Norte was caused by a transmission fault at Brgy. Ditucalan, Iligan City according to the National Grid Corporation of the Philippines (NGCP). NGCP reported that partial power outage occurred at around 8:34AM due to tripping of Agus 5-Aurora 138kV Line and at 9:54AM, total power loss ensued after the remaining energized Baloi-Aurora 138KV Line tripped due to overloading.

According to Engr. Hermie H. Hamoy, head of district 1 NGCP-MOM, the said unscheduled power outage is triggered by a line-to-ground fault when portions of full-grown trees planted near NGCP's transmission lines touched the line conductors between NGCP's 138kV Line Tower 2 and Tower 3 located at Brgy. Ditucalan, Iligan City.

ZAMSURECO-I received a number of phone calls from member-consumers complaining about the unannounced

power interruption. In response, ZAMSURECO-I General Manager & CEO Jose Raul A. Sanial ordered the immediate dissemination of information to all stakeholders of the Cooperative to inform them on the root cause of said blackout. A total of 7 electric cooperatives were affected by the blackout, namely; ZAMCELCO (Zamboanga City), ZANECO (Dipolog City), ZAMSURECO -II (Ipil), MOELCI-I (Oroquieta City/ Calamba), MOELCI-II (Ozamis City), LANECO (Tubod), and ZAMSURECO-I.

NGCP conducted line patrol and deployed their line personnel at the location indicated by their SCADA system. At around 3:33PM of May 4, power was gradually restored after NGCP cleared-up the vegetation that caused said transmission fault. Earlier, ZAMSURECO-I advised all electricity consumers to take necessary precautions as power may be restored without prior notice.

Z4Cs | ZAMSURECO-I Customer Care Call Center

IF YOU HAVE COMPLAINTS/REQUESTS/FEEDBACKS OR
QUERIES. PLEASE CALL OR TEXT US ON THE FOLLOWING
NUMBERS:



HOTLINE 1	: 1621
HOTLINE 2	: 215-2737
PLDT	: (062) 925-0561
Smart	: 09998840609
Globe	: 09177212635
Sun	: 09328764031
FACEBOOK	: www.facebook.com/Zamsureco1
TWITTER	: twitter.com/zamsureco1
Yahoomail	: zamsureco1_inc@yahoo.com.ph
Gmail	: zamsureco1.inc@gmail.com

For more information just visit our website: www.zamsureco1.com

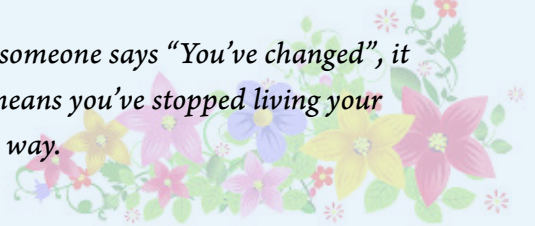


Marivic A. Chavez

BOD Treasurer (District III)
Ramon Magsaysay, Sominot, Midsalip

Wisdom Corner

1. *Be the reason someone Smiles today.*
2. *Love is freedom....One word frees us of all the weight and pain of life: That word is Love.*
3. *A truly happy person is one who can enjoy the scenery on a detour.*
4. *Death is not the greatest loss in life. The greatest loss is what dies inside us while we live.*
5. *When someone says "You've changed", it simply means you've stopped living your life their way.*





ZAMSURECO-I IS HIRING

NEW BATCH OF QUALIFIED LINEMEN!



STANDARD QUALIFICATIONS

- Employable age: preferably at least 19 to 30 years old
- At least a graduate of a 2-year course
- Height Requirement: At least 5'5 or 65 inches
- Physically fit to work
- Must have a normal body mass index
- Must possess manual dexterity and visual acuity
- Ability to constantly listen and communicate orally
- Can frequently stand, walk, sit, bend, stoop, squat, lift and carry 75-100 pounds
- Can occasionally climb, balance, kneel and crouch and reach above shoulder level
- Must pass a drug screening test

For those who are interested, kindly submit the following documents in the Human Resources Division, ZAMSURECO-I Central Office, Pagadian City:

Application Documents:

- Duly signed Application Letter
- Curriculum Vitae (CV) or Resume
- Vocational Course Certificate, if any
- Any of the following: NBI Clearance, Police Clearance or Barangay Clearance

- Medical Certificate
- Transcript of Records (TOR)
- Drug Test Result

What are you waiting for? **APPLY NOW!**

WHAT YOU DON'T KNOW ABOUT ELECTRICITY



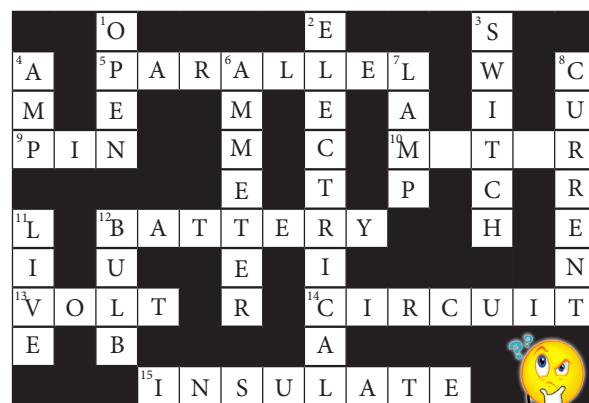
You know how much you rely on those wall outlets to stay cool, charge your phones, keep your food fresh and a whole lot more. But how much do you really know about how electricity gets to your home?

- Which of these scientific pioneers is credited with establishing the first commercial electric power plant?
 - Benjamin Franklin
 - Michael Faraday
 - Thomas Edison
 - Nikola Tesla
- Coal, hydroelectric, wind, nuclear and solar thermal power plants all have this equipment in common.
 - Photovoltaic cells
 - Boilers
 - Turbines
 - Flues
- How does flipping a switch turn a light on?
 - It steps up the voltage
 - It generates an electromagnetic field
 - It opens the circuit
 - It closes the circuit
- What units do electric companies generally use to measure how much power you use?
 - Amperes
 - Kilowatt-hours
 - Kilowatts
 - Volts
- How long would you have to keep a ten-watt compact fluorescent light bulb turned on to consume one kilowatt-hour of electricity?
 - 1 hour
 - 10 hours
 - 100 hours
 - 1,000 hours
- What devices on the electric grid allow the high-voltage electricity that travels long distances on power lines to be transmitted to homes and businesses at the lower voltages needed for appliances?
 - Transformers
 - Circuits
 - Turbogenerators
 - Synchrophasors

- Which of the following major power blackouts left the most people in the dark?
 - Brazil, November 2009
 - United States and Canada, August 2003
 - China, January and February 2008
 - Western Europe, November 2006
- In 2012, the world's longest electric transmission line was under construction in what country?
 - China
 - Denmark
 - Brazil
 - South Africa
- Population has no access to electricity?
 - 5 percent
 - 10 percent
 - 20 percent
 - 30 percent
- Which of the following can cause disruption to electricity service?
 - Sea Salt
 - Squirrels
 - Sunspots
 - All of the Above

Answers to the previous

ELECTRICITY CROSSWORD



Answers to the previous Quiz: What You Don't Know About Energy in Asia

- C. Brunei ranks highest among Asian countries for per capita greenhouse gas emissions, followed by Singapore, according to the World Resources Institute. Overall, Kuwait has the highest emissions per capita in the world.
- C. Nearly half of those without access to electricity in Asia, 306 million people, live in India. That's one quarter of the country's population; the country outside Africa with the largest percentage of people lacking electricity access is Pakistan, at 31 percent, or 55 million.
- D. About 18 percent of China's energy comes from oil. China is the second-largest consumer of oil in the world, behind the United States.
- A. India's subsidies for oil and gas in 2012 were valued at about \$35 billion, more than twice that of China's. Iran spent the most to subsidize fossil fuel, about \$65 billion for oil and gas.
- A. Philippines ranks second to the United States in production of geothermal energy, with an installed capacity of 1,904 megawatts, which is about 60 percent of U.S. capacity.
- D. More than 1.2 million people were relocated to make way for Three Gorges dam and its massive reservoir.
- False. Energy demand growth will be led by China this decade, but will shift toward India and, to a lesser extent, Southeast Asia after 2025, according to IEA's 2013 World Energy Outlook.
- B. Japan relied on its 54 nuclear reactors for about 30 percent of its electricity before the earthquake and subsequent disaster at the Fukushima Daiichi nuclear plant effectively shut down all of the country's nuclear generating capacity.
- D. According to the International Energy Agency's 2013 World Energy Outlook, demand for energy in Southeast Asia will grow by more than 80 percent between 2011 and 2035. Its population will rise by nearly 25 percent.
- B. According to a study published in 2014 in the Proceedings of the Academy of the National Academy of Sciences, between one fifth and one third of the key air pollutants in China came from export manufacturing. About 21 percent of those export-related emissions were pegged to goods bound for the United States.



Exercises to Relieve Arthritis Knee Pain



Hamstring Stretch

Stretching keeps you flexible and improves your range of motion, or how far you can move your joints in certain directions. It also helps you lower your odds of pain and injuries. Always warm up with a 5-minute walk first. Lie down

when you're ready to stretch your hamstring. Loop a bed sheet around your right foot. Use the sheet to help pull the straight leg up. Hold for 20 seconds, then lower the leg. Repeat twice. Then, switch legs.



Straight Leg Raise

Build muscle strength to help support weak joints. Lie on the floor, upper body supported by your elbows. Bend your left knee, foot on the floor. Keep the right leg straight, toes pointed up. Tighten your thigh muscles and raise your right leg. Pause,

as shown, for 3 seconds. Keep your thigh muscles tight and slowly lower your leg to the ground. Touch and raise again. Do two sets of 10 repetitions. Switch legs after each set.



Heel Raise

Stand tall and hold the back of a chair for support. Lift your heels off the ground and rise up on the toes of both feet. Hold for 3 seconds. Slowly lower both heels to the ground. Do two sets of 10 repetitions. Too tricky? Do the same exercise while sitting in a

chair. -- but don't let it go past your toes.



One Leg Balance

This move helps you bend over or get in and out of cars. Stand behind your kitchen counter without holding on, and slowly lift one foot off the floor. The goal is to stay balanced for 20 seconds without grabbing the counter. Do

this move twice, then switch sides. Too easy? Balance for a longer time. Or try it with your eyes closed.



Low-Impact Activities

Other exercises that are easy on the knees include biking, swimming, and water aerobics. Water exercise takes weight off painful joints. Many community and hospital wellness centers, gyms, and pools offer classes for

people with arthritis. Being active may also help you lose weight, which takes pressure off your joints. For favorite activities, like golf, ask your doctor or physical therapist how to safely make painful moves hurt less.



Sit to Stand

Practice this move to make standing easier. Place two pillows on a chair. Sit on top, with your back straight, feet flat on the floor (see left photo). Use your leg muscles to slowly and smoothly stand up tall. Then lower again to

sit. Be sure your bent knees don't move ahead of your toes. Try with your arms crossed or loose at your sides. Too tough to do? Add pillows. Or use a chair with armrests and help push up with your arms.

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Exercises to Relieve Arthritis Knee Pain



Calf Stretch

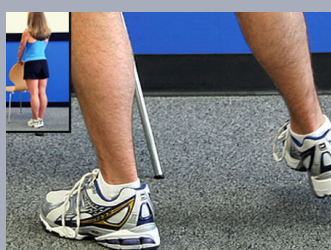
Hold onto a chair for balance. Bend your right leg. Step back with your left leg, and slowly straighten it behind you. Press your left heel toward the floor. You should feel the stretch in the calf of your back leg. Hold for 20 seconds. Repeat twice, then switch legs. For more of a stretch, lean forward and bend the right

knee deeper -- but don't let it go past your toes.

Seated Hip March

Strengthen your hips and thigh muscles. It can help with daily activities like walking or standing up.

Sit up straight in a chair. Kick your left foot back slightly, but keep your toes on the floor. Lift your right foot off the floor, knee bent. Hold the right leg in the air 3 seconds. Slowly lower your foot to the ground. Do two sets of 10 repetitions. Switch legs after each set. Too hard? Use your hands to help lift your leg.



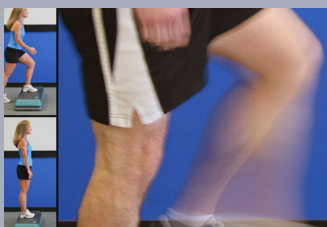
Side Leg Raise

Stand and hold the back of a chair for balance. Place your weight on your left leg. Stand tall and lift the right leg out to the side -- keep the right leg straight and outer leg muscles tensed. Hold 3 seconds, then slowly lower the leg. Do two sets of 10 repetitions. Switch legs

after each set. Too hard? Increase leg height over time. After a few workouts, you'll be able to raise it higher.

Step Ups

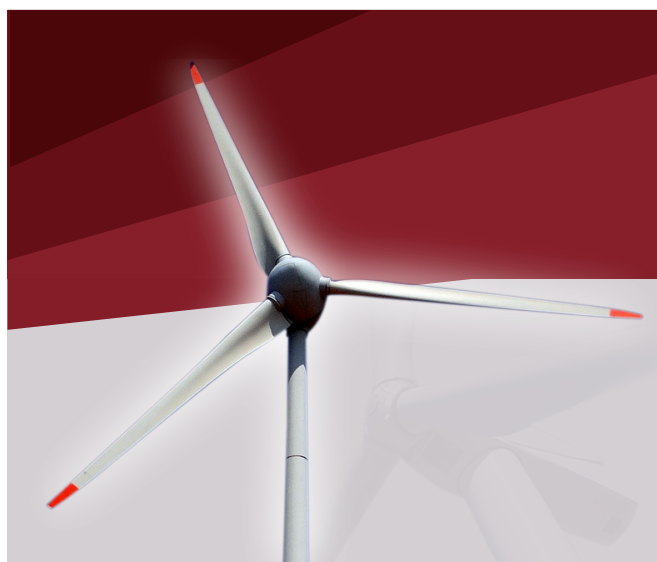
Do this to strengthen your legs for climbing steps. Stand in front of stairs, and hold onto the banister for balance. Then place your left foot on a step. Tighten your left thigh muscle and step up, touching your right foot onto the step. Keep your muscles tight as you slowly lower your right foot. Touch the floor and lift again. Do two sets of 10 repetitions. Switch legs after each set.



Walking

Even if you have stiff or sore knees, walking may be a great exercise. Start slow, stand tall, and keep at it. You can ease joint pain, strengthen your leg muscles, improve your posture, and improve your flexibility. It's also good for

your heart. If you're not active now, check in with your doctor before you start a new exercise program.



8 FACTS On Wind Energy

Fact 1: Wind power consists of turning energy from the wind to other energy forms. There are different ways to harness it. For example, windmills produce mechanical energy, enable sails to move boats and generate electricity.

Fact 2: Windmills have been in use since 2000 B.C. and were first developed in Persia and China. Ancient mariners sailed to distant lands by making use of winds. Farmers used wind power to pump water and for grinding grains. Today the most popular use of wind energy is converting it to electrical energy to meet the critical energy needs of the planet.

Fact 3: Wind energy produces more than 20% of the total electricity production in countries such as Denmark and Portugal.

Fact 4: Wind energy is mostly harnessed by wind turbines which are as high as 20 story buildings and have three blades which are 60 meter long. They resemble giant propellers of airplanes mounted on a stick. The blades are spun by the wind which transfers motion to a shaft connected to a generator which produces electricity.

Fact 5: Wind energy is valued because it is a clean source of energy and causes minimum pollution.

Fact 6: The largest wind turbine in the world is located in US in Hawaii. It stands 20 stories tall and has blades the length of a football field.

Fact 7: One (1) megawatt of wind energy can offset approximately 2,600 tons of carbon dioxide (CO₂).

Fact 8: Albert Betz, was a German physicist and a pioneer of wind turbine technology. He discovered wind energy theory and published in his book Wind-Energy.