School of Civil, Environmental and Geological Engineering (SCEGE) has once again proven their academic skills as they dominated the recently concluded Civil Engineering Licensure Exam. Seven Cardinals made it to the Top 10 list of the exam conducted last May 5 and 6.

Among Cardinal top rankers, Alvin Cordero Purugganan garnered 93.75% mark, landing him on the second place on the Top 10 List. Lamberto Bancoro Marcial, Jr. achieved the fourth place with 93.40%. Making it on the fifth spot, both Neil Daniel Claudio Mallari and Efraim Dimayuga Manalo acquired an average of 93.15%. Lorenz Cruz Lugatiman with a score of 93.00% and Yoshiaki Castro Mikami with 92.75% ranked sixth and seventh, respectively. To end the list, Harf Jucoy Miranda achieved an average of 92.05% to occupy the ninth position.

Overall, SCEGE molded 36 new licensed Civil Engineers. For first time takers, Mapúa Institute of Technology (MIT) garnered a passing rate of 75.76%, while last year’s November CE Board Exam resulted a rating of 76.19%.

MIT Delegates Partake in 15th PICE NSC
by John Christian D.T. Pascua

“Building strong relationships with co-civil engineering students from different schools through national organizations like PICE will really help us” said PICE-MIT President Aljon Mayuga.

With the vision to strengthen camaraderie with civil engineering students throughout the country, Philippine Institute of Civil Engineers (PICE) officers participated in the 15th PICE National Student Conference (NSC). The said event took place at the Cebu International Convention Center last May 5 and 6.

SCEGE Launches 2013 Summer Excursion
by Nicole Andrea T. Santos and Reisha Pauline B. Ching

To strengthen the ties between the students and the faculty of School of Civil, Environmental and Geological Engineering (SCEGE), the SCEGE Student Council (SCEGESCO) organized the 2013 Summer Excursion at the Daily Bread Farm and Resort last May 31 to June 1.

Different activities created a festive atmosphere to the attendees. Organizers provided team-building activities to students to instill camaraderie
The School of Civil, Environmental and Geological Engineering (SCEGE) made another honor for Mapúa Institute of Technology (MIT) as CE Student Aljon Mayuga received **Ibang Klaseng Talino** Award. The award is under the annual Bank of the Philippine Islands (BPI) Ten Outstanding Anak Expat Pinoy.

The objective of the event is to recognize the sons or daughters of Overseas Filipino Workers (OFW) who show outstanding performance in terms of academics and extra-curricular activities.

There are four major awards in the competition: **Ibang Klaseng Talino**, **Ibang Klaseng Entrepreneur**, **Ibang Klaseng Athlete** and **Ibang Klaseng Community Leader**. Out of the nationwide participants, Mayuga brought home the **Ibang Klaseng Talino** Award.

"Nung 2011 sumali din ako pero di ako napili, nung 2012 naman pagsali ko ako naawarden," Mayuga said. According to him, consistency of good academic records and being the President of Philippine Institute of Civil Engineers (PICE) - MIT served as key factors for him to win the said honor. The awardees received a cash prize of PhP50000.

"Siguro para dun din sa mga anak ng OFW na Mapúan, sana maging inspiration sa kanila na kahit palaging wala sa tabi nila mga magulang nila, matuto silang maging responsible at tumayo sa sarili nilang paa kahit papano," he added.

**One-of-a-kind Cardinal.** Aljon Mayuga takes pride with his recognition as an outstanding Mapúan.

**BPI Recognizes Outstanding CE Student**

by John Christian D.T. Pascua

The School of Civil, Environmental and Geological Engineering (SCEGE) made another honor for Mapúa Institute of Technology (MIT) as CE Student Aljon Mayuga received **Ibang Klaseng Talino** Award. The award is under the annual Bank of the Philippine Islands (BPI) Ten Outstanding Anak Expat Pinoy.

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We Made It Through (We MIT)
by Dr. Francis Aldrine A. Uy

We made it thru the battles in our lives
We made it thru the challenges of times
We made it thru all the tests
And we can say we did our best
We made it thru...me and you
We made it thru the cold winter nights
We made it thru and yes we have survived
We made it thru the ups and downs
And we have walked a thousand miles
We made it to the top and here we are at last
And we made it thru all those battles we survived
We made it thru the night and everything was right
We made it thru this life; we have filled our empty cup
We made it thru the night and everything seems right
We have walked a thousand miles
Me and you...we made it thru
We made it thru those many sleepless nights
We made it thru and learned how to survive
We made it thru all the quest and met new friends that made us best
We made it thru...me and you
We made it thru the cold summer nights
We made it thru over hardship we have strived
We made it thru the ups and downs
We have crossed a thousand miles
We have climbed to the top and here we are at last
And when the wind of change comes flowing thru our days
We will stand and never rest
We will make it thru all tests
We will raise our head up high
See the angels in His name
They will come to proclaim
We have walked the mile and filled our empty cup
Through the things we have learned
forever we'll be strong

We will soar the skies win new bottles
and go on
We will share this life for the heaven
and the lands
We will walk new thousand miles
Me and you...we will make it thru
We will cross the seas, will climb mountains to reclaim
We will soar the skies for new worlds to obtain
We will reach the stars for our dreams to sustain
We will share this life for the heaven and the lands
We will walk new thousand miles
Me and you...we will make it thru
Yes we made it thru...me and you
Yes will make it thru...me and you
And I thank you...Yes I thank you
We all thank you...
Cause we made it thru...

Everybody loves the skyscrapers. We always dream of something big, vast and unimaginable. We tend to look at the future and aim for greater heights without looking at its deep foundations.

When I was asked to write the how-do-I-see-myself-ten-years-from-now essays, I always write the company I dreamt of. It would be one of the fastest growing construction companies in the country. We would build the tallest buildings in the Philippines and extend our help to those who are in need at the same time.

This company never fails to be part of my compositions and even the simplest colloquy among friends. I always surround myself with the thoughts of having it. I always imagine every single detail of the company up to the minutest ones.

However, as I reached the last units of my degree, I began to ask myself, “How on earth am I gonna do this?” This dream is far-fetched from where I was. Having nothing but the diploma and the knowledge I gained from college, there was no chance that I am going to have it within ten years.

That is one of the branches I wish to have. You could dream of being a world-renowned structural designer or the one who would improve the flow of traffic on EDSA. We may have lots of these. At the end of the day, the real question is how?

The branches do not grow in the instant you plant the seed. It takes time and a lot of rain. Time somehow gives maturity, thus it gives us experience – experience we need to gain wisdom. Rain keeps us going and growing. On the other hand, it may drown us if the rain is too much.

The rain may help us or tear us down. It depends on our roots; how strong we are anchored to the ground. It is our roots that will carry all of it. The stronger our roots, the broader our branches would be.

Personally, my roots are not yet fully-grown. Projects come, but the plan to be carried out to turn my dream company into reality is still perfunctory. Some things may be impeding. It may slow us down to achieve our goals but it gives us the force to push through.

I am traversing the other side of the road. The academy is another branch that I would want to have. However, pursuing this might lose another branch – the branch that I have always dreamt of.

Nothing will hinder us. Those things will be the seed we plant and may grow into another tree.

I may still have not figured out how to build this company. I still do not know what I have to do. What I know is that there is the One who knows everything and holds the time and rain. With His help and guidance, big dreams will turn into reality.

Everyone can dream, but only few people can achieve them. These people are the ones who are not afraid to take every necessary move to make it happen.

Our roots represent our core. We are more than what we can do. We are beyond the things that we will do.
A Message to all Alumni

Our alumni scattered around the globe have proven our technical competency and leadership in the various fields of civil and environmental engineering. To ensure the continuity of this Mapúan recognition, we have pursued local and international accreditation of our programs.

The ABET accreditation of both our civil and environmental engineering programs have confirmed the international recognition of our graduates. The Geology and Geological Science and Engineering program that were recently transferred to the School will soon follow. We are the first in EAST ASIA with ABET accredited programs. We have been working hard for the continuous quality improvement of our programs through outcomes-based education system.

The administration has been investing in information and communication technology to build our competitive edge. We have been working for geographic expansion through our various research and linkages with local and foreign universities. We have formalized our commitments with local and international OJT or practicum partners to provide our students meaningful and international experience.

The number of students has continuously been increasing including the population of foreign students. In a per-program basis, the civil engineering program has the biggest number of enrollees every year in the institute. We have been engaging our faculty researchers and students in pursuit of sustainable development and green engineering through research and design projects.

We have significantly increased the number of faculty with graduate degrees, and, by early next year, all our permanent faculty members will be reported to have a Masters degree. In our pursuit for vertical articulation of our programs, we will offer Ph.D. in Civil Engineering soon. We have been doing our best to continuously produce topnotchers in the licensure examination while being active in enlightening concerned government agencies on international standards and progressive change.

Curricular development and outcomes-based education are just some of the initiatives we have considered to help our students become successful professionals. Soon, the institute will progress into a university. We have done so much, but, with a fast changing and competitive world, we need to do more and continuously innovate.

We need your help so we could do more.
Together we can do more.

The school is analogous to a bridge. A bridge provides passage for development. It offers hope for a progressive future. It links and unites lands and people. It provides access towards new knowledge and wisdom. A bridge has its different forms, but its purpose is essential. The school is our bridge in bringing more competitive and successful graduates to their destination.

I would like to take this opportunity to challenge all our alumni to take part in our vision and mission. Let us strengthen the bond between our faculty, students and alumni. Let us not forget the bridge, the school, that led us to our destination.

Let us unite and continuously show the world the Filipino ingenuity bridged by Mapúan excellence towards a progressive and sustainable future.

Dean Francis Aldrine A. Uy, PhD

Hope of the Nation
by Engr. Fibor J. Tan

Gone were the days when nations see our country as a model of development and progress. The glory of our beloved country was overtaken by countries that were once inferior to us.

Every day we face a stressful life travelling to our destinations because of traffic congestions – high number of vehicles, poor road condition, and insufficient mass transit. Coupled by black smog, dusty and muddy roads, and unfinished road constructions, the problem with our road networks reflect a disorderly place where we live – a Third World scenario.

When typhoon landfalls, it is a sad picture to see when it is already a given fact that hundreds or thousands of Filipinos will die, bringing us to the international news without a single year spared. Take for instance typhoon Sendong (international name Washi), the recent typhoon Pablo (international name Bopha) in Mindanao, and the infamous Ondoy (international name Ketsana) that submerged many parts of Metro Manila for days. In fact, even a few millimeter of precipitation could freeze every activity in the metro because of flooding. In the provinces, heavy rainfall leads to major flash floods inundating floodplains and landslides engulfing communities near weak slopes.

Being situated in the Pacific Ring of Fire, our country is prone to earthquakes, tsunamis, and volcanic eruptions. In spite of our established building and structural codes, our government agencies such as PHILVOLCS and NDRMMC are worried of what they call “The Big One” which they say is already ripe to rupture. The metro is studied with many old buildings and structures that are sub-standard in quality.

It seems like we are living in a place of chaos, a place that strips us off our dignity as humans which in fact, is a reflection of our country’s situation. To realize “more fun in the Philippines,” we must have good infrastructure that is efficient, accessible, and safe for our foreign visitors and most especially to us Filipinos.

However, there is still hope. The Filipino engineers are the hope of our nation. We shape, and we make our country move forward to progress. Our government acknowledges and supports the engineering profession’s role in nation-building. Our Institute makes sure that this role will continue to grow by producing new breed of engineers. The School of Civil, Environmental, and Geological Engineering (SCEGE), in particular, provides our nation with Transportation Engineers, Structural Engineers, Water Resources Engineers, Geotechnical Engineers, Geologist/Geological Engineers, Construction Managers/Engineers, and Environmental Engineers who work together to bring back the splendour the Pearl of the Orient once upon a time relished.
After finishing your BS program, many will think: what work will I do? Or what group will I join? Or what would be my position? Particularly, for the BS Civil Engineering program which has vast fields of expertise, there are many career paths to follow. With the permission given to me by the American Society of Civil Engineers (ASCE), five possible career paths are shown.

**Government**

This career path shows many of the options available for civil engineers who have chosen a career in government. Some leave the technical engineering path as they progress and move into government management. At this level, additional leadership training and education in public administration or business management is recommended.

Whether planning to stay on the technical track or not, government engineers should seek additional training in their area of technical expertise to advance within their organizations. Government engineers are often involved in developing policy and standards for the profession and general public.

The career paths presented could also be adapted to other programs offered by SCEGE i.e. Construction Engineering and Management, Environmental and Sanitary Engineering, Geology and Geological Science and Engineering. Tracks of career development in Education, Government, and Consulting are common for the graduates of the different program offerings with corresponding minor modification. The Construction path could also be followed by Construction Engineering and Management graduates. Path in Industry could also be followed by the Environmental and Sanitary Engineering graduates.

**Consulting**

Consulting firms offer a wide array of career possibilities.

In a small firm, an engineer may rise rapidly to management and be responsible for technical expertise, project management, and project development. In addition, these engineers may manage the business side of the firm for corporate strategy, business development, marketing, operations, and human resources.

In a large firm, there are basic tracks to follow once you are licensed as a professional engineer: technical, management, and client development. The first path is the technical track. This path allows you to work on various design projects for the firm. The second path involves management, where engineers work together on the design and construction of projects. While this path typically does not lead to corporate management, it is a core competency that the firm is being paid for. The third path involves business development, which is the direct link to client development.

**Industry**

Civil Engineers in industry work for various organizations including Fortune 1000 firms (manufacturing, pharmaceutical, industrial, technology providers, etc.), retail companies (grocery stores, shopping malls), real estate managers (hotels, entertainment centers, etc.), health services providers (hospitals), colleges and universities, power and energy utilities, and other privately owned companies. These civil engineers use their skills to manage facilities, deliver successful projects, and provide goods and services to the general public.

After finishing your BS program, many will think: what work will I do? Or what group will I join? Or what would be my position? Particularly, for the BS Civil Engineering program which has vast fields of expertise, there are many career paths to follow. With the permission given to me by the American Society of Civil Engineers (ASCE), five possible career paths are shown. Whatever path you choose be sure that it is the one that best fits your goals and makes you happy — one that your heart is so passionate about. The School of Civil, Environmental, and Geological Engineering (SCEGE) is creating on you an individual that could practice as successful engineers for the advancement of the society while demonstrating professionalism in every aspect of your career.
SCEGE Students Emerge Victorious in Competitions

by John Christian D.T. Pascua

School of Civil, Environmental and Geological Engineering (SCEGE) soared high as 13 students won championships and runner-up places in different national and inter-school competitions.

3rd JPCE-LNM Students Quiz Show: Sensational Showstopper

“It will keep them reminded that Mapúa is a venue of excellence,” said Engr. Harf Miranda.

With the goal to gather different schools in one competition, the Junior Philippine Institute of Civil Engineers - Lungsod ng Maynila Chapter (JPICE-LNM) conducted the 3rd JPCE-LNM Students Quiz Show on November 12, 2012. Engr. Harf Miranda, Engr. Lamberto Marcial and Kevin Rowe Almoro brought home the championship. Engr. Edgardo Cruz and Engr. John Paul Carreon served as their coaches.

JPCE-LNM organizes the competition every year. Schools from Manila are invited to join. Also, different review centers support the event by serving as judges of the contest.

UPLB CEO Executives’ Challenge 8: Climactic Championship

“Nakakaproud kasi first time magchampion ng Mapua sa contest na yun.” said MIT Team 2 representative Aljon Mayuga after winning the contest.

University of the Philippines Los Baños – Civil Engineering Executive Organization (UPLB-CEO) conducted their annual Executives’ Challenge last February 9 at the UPLB Campus.

Engineering schools nationwide participated in the said competition. The event concluded with MIT Team 1 and Team 2 grabbing the champion and 7th placer, respectively. The goal of the contest was to determine the best schools in Engineering Sciences. UPLB professors served as the judges.

MIT Team 1 was composed of Harvey Malolos, Kervie Cantuba, Leo Punongbayan and Herbie Jeff Olitoquit. On the other hand, MIT Team 2 included Aljon Mayuga, Jem Sarit Martin Alem, Darryl Alviar and Mark Espiridon.

NATIONAL ENSE Quiz Bee 2012: Greatest Glory

Students from the SCEGE won awards in the INTENSE 1st National ENSE Quiz Bee 2012 on November 14, 2012 at the National University.

SCEGE’s Ernest Pangilinan and Kenneth Gatchalian emerged as the champion of the said contest. On the other hand, Jayson Pahimnayan and Patrick Nuqui brought home the 1st runner-up award.
The Engineer as a Manager
by Dr. Eugenio C. Chan

In the modern world, governments have made economic growth one of their top priorities. Economic growth refers to increases in real per capita income. An economy’s rate of economic growth depends on the rate of growth of its economic resources and on the rate of improvement in its techniques of production or technology. Economic resources are the factors of production or inputs which are scarce or limited in supply so they command a price and, therefore, not free.

The Role of the Engineer
In a free market economy, there are four factors of production namely land, labor, capital and entrepreneurship. The income that these factors receive comes from rent, wages, interest and profit. Labor and entrepreneurship are the factors that involve human resources.

The Entrepreneur is the resource converter, using land labor and capital as inputs. Through technology, they transform these inputs into goods and services as the output. The Engineering profession belongs to the Entrepreneurship category. This is the place in the economy assigned to the Engineers.

The Problem of Scarcity
In order to convert the Engineer to be a good Entrepreneur, he must first understand the three basic economic problems of every society. These are:

1. What to produce?
   “What to produce” refers to those goods or services and the quantity of each that an economy should produce. Since resources are scarce and limited, no economy can produce as much of every good or service as desired by all members of society. More of one good or service usually means less of others. Therefore, the Engineer must choose exactly which goods or services to provide, and how much of each to produce.

2. How to produce?
   “How to produce” refers to the choice of the combination of factors of production and the particular techniques or technology to use in producing a good or service. Since a good or service can be produced with different factor combination and different techniques or technology, the problem arises as to which of these to use. Therefore, the CE specialist will be able to choose exactly which technique or technology which must result in the least possible cost (in terms of resources used) to produce the goods or services society wants.

   If the price of a factor rises in relation to the price of the other is used in the production of goods and services, he will know how to switch to a technique or technology which uses less of the expensive factor in order to minimize the cost of production. The opposite occurs when the price of a factor falls in relation to the price of the others.

3. For whom to produce?
   “For whom to produce” refers to how much of the wants of members of society are to be satisfied. Since resources, goods and services are scarce in every economy, no society can satisfy all the wants of its people. Thus, a problem of choice arises. In the absence of government regulation or control of the economy, the production of the goods and services will be for those people who have the money to pay for them. The higher the income of an individual, the more the economy will be geared to produce the goods and services he wants.

   However, in the name of equity and fairness, governments usually modify the workings of the free market economy by taking from the rich (through taxation and redistributing to the poor (through subsidies and welfare payments)

Management: A tool to guide resources.
The Entrepreneur uses management theories and principles to guide him transform economic resources into goods and services. The Engineer is trained “to guide resources to its most efficient use”. This quotation was taken from “The Wealth of Nations” of Adam Smith in 1776. However, Smith refers to market efficiency at that time, which gives rise to the free market economy (the invisible hand). On the other hand, this article attempts to fit the above quotation to the Engineer’s role in the economy — the Manager.

That is why we have the management engineers, financial engineers, industrial engineers, system engineers and even biological engineers, to name a few. They plan, design and guide economic resources to its optimal use.

The Classical Management School
More than a hundred years later after the time of Adam Smith, a mechanical engineer by the name of Frederick W. Taylor (1856 – 1915) presented a dissertation before the American Society of Mechanical Engineers (ASME) entitled “The Principles of Scientific Management.” It is in this forum where he first articulated his philosophy. He was later known in the management profession as the “father of scientific management”.

Other contributors to Taylor’s scientific management are as follows:

1. Henry Gantt (1861 – 1919) an industrial engineer introduced the Gantt Chart which is still in use today.
2. Frank Gilbreth (1868 – 1924) an apprentice bricklayer, who worked up the management ladder, introduced the Time and Motion Study.
3. Henri Fayol (1841 – 1925) a mining engineer, who founded the classical management school of thought, was known for his “Fourteen Principles of Management” which serves as a foundation of many managers.
Building High:
SCEGE Claims Don Tomas Cup 2013

by Nicole Andrea T. Santos and Reisha Pauline B. Ching

The School of Civil, Environmental and Geological Engineering (SCEGE) stood their ground as they emerged triumphant in the recently concluded Don Tomas Cup 2013. Led by powerhouse coach Engr. Raul C. Asis, SCEGE basketball team soared high as they went up against different schools of Mapúa Institute of Technology (MIT) from February 1 to March 15.

The squad has once again proven their might with their unbeaten record in the tourney. SCEGE went through a ring of fire on their way to the 2013 crown.

The Ring of Fire
SCEGE’s drive to win the gold was quickly put to the test as they battled 2012 Champions School of Electrical, Electronics and Computer Engineering (EECE) last February 1. Aside from going head to head with the defending champs, the Blue Cagers had to play under the pressure of the first game. However, the South-based troops surprised the audience as they beat the EECE squad, 57-82.

In a one-two punch performance, SCEGE showed their supremacy in the succeeding cage wars. They dumped ET Yuchengco - School of Business Management (ETYSBM) into an 89-48 mound last February 12. On the other hand, Team SCEGE battered the young guns School of Chemical Engineering and Chemistry (ChE-Chm) last March 2. They showcased their ability to bombard any team at all angles as they annihilated ChE-Chm, burying them to a 114 point rut, 147-33.

The Final Frontier
Aiming to get a hold on that last run for the title, Team SCEGE pounded School of Information Technology (SOIT) in the semis, leaving them on the ground with 34 point deficit, 101-67. The victory sent SCEGE to the final stretch in the best-of-three duel against School of Industrial Engineering and Engineering Management (IE-EMG).

The first match between SCEGE and IE-EMG concluded with a gut-wrenching one point deficit victory, 72-71. Alfonso Rodriguez of the Blue Cagers was the player of the game, with 23 points under his belt. Disheartened, IE-EMG made it easy for the SCEGE to have the ball in the next game.

Team SCEGE led the first quarter with 20-8 marker. After a dramatic battle, the Blue Cagers coveted the Don Tomas Cup 2013 after a grand victory, 76-73.
Manila Water Commits to Environmental Stewardship

As the leading water and wastewater company in the Philippines, Manila Water recognizes the important role it plays in keeping the water environment safe and in ensuring the sustainability of water resources for future generations. It addresses environmental issues on a holistic manner; that is by assessing and mitigating the risks in every stage of the water life cycle – protecting watersheds, using raw water sources wisely, operating efficiently, ensuring efficient water distribution, and treating domestic wastewater to abate further degradation of major river systems in Metro Manila.

The East Zone water concessionaire also extends its commitment to environmental protection and sustainability to its stakeholders by urging its contractors to join the Green Philippine Islands of Sustainability (GPiSoS) initiative and by educating members of the public and its stakeholders through various projects that will mitigate climate change.

CLIMATE CHANGE ADAPTATION

Part of Manila Water’s climate change policies is the Greenhouse Gas Accounting and Monitoring which covers fuel, electricity consumption, and business travels. The company is one of the pioneer organizations to implement the Philippine Greenhouse Accounting and Reporting Program (PhilGARP).

Manila Water also implemented a number of climate change adaptation efforts such as climate-proofing where in Manila Water incorporates Climate Change adaptation principles in the design of its new facilities. It also considers the concept of green building to have more efficient use of its resources.

THE LAKBAYAN PROGRAM

Lakbayan, Manila Water’s main water and environmental education program, takes people on a unique journey that empowers individuals through water and wastewater education. The participants are treated to a guided tour of the different Manila Water facilities followed by a series of short lectures about water and wastewater management. It ends with the participants’ commitment to be part of the company’s advocacy of securing the future generation through the protection of the environment, based from the learnings they got from the activity.

RAW WATER PROTECTION AND WATERSHED MANAGEMENT

Manila Water recognizes the importance of ensuring sustainable water sources for both its current and future customers. It carries out a strategic program to protect the three watersheds that are critical to its service delivery – Ipo, La Mesa, and Upper Marikina.

GREENING THE SUPPLY CHAIN

Manila Water expanded efforts by recruiting its vendors to the Green Philippine Island of Sustainability (GPiSoS). Twenty Four companies in Manila Water’s supply chain now participate in the GPiSoS program where they are provided free workshops and technical assistance on cleaner production, energy efficiency, and other environmental tools to enable them to realize economic profit while simultaneously increasing resource efficiency and minimizing environmental impact.

EMBARKING ON GREEN INITIATIVES THROUGH ITS EMPLOYEE PROGRAMS

Manila Water empowers its employees and stakeholders by creating projects that will enable them to play an active role in protecting the environment, even in their own little ways. The company designs various projects to inform, educate, and communicate to its employees as well as their families on how they can care for the environment, starting from the little things they do in their everyday lives.

Early this year, the company conducted a series of eco-driving seminars to educate its employees and service providers on the basics of saving fuel and reducing carbon footprint. The seminar made the participants realize their importance in preventing global-warming and the significance of passenger cars and company fleets in the worldwide objective of reducing carbon footprint. The eco-driving seminar also stressed the importance of driver behaviour in fuel efficiency.

Manila Water also launched Junk for Joy, an internal program that signifies the start of Manila Water’s long-term solid waste management initiatives. To give more meaning to the waste management fair, the program was also designed to generate funds to provide livelihood opportunities to the marginalized communities that Manila Water Foundation supports. All the recyclables were sold at a cheaper price to the Group of Actives Wives and Dependents of Manila Water Employees (GAWAD) Cooperative, one of the many recipients of Manila Water’s sustainable micro-financing program, the Kabuhayan para sa Barangay, to help jumpstart their junk shop business.