

PH boasts 1st prototype house made of plastic materials strengthened through radiation



This residential house prototype is the first-of-its-kind model of a house built with radiation-processed plastic tiles, panels, and bricks. It's a product of a study that low-value plastic wastes can be turned into durable construction materials. (Photo by John Louver Patriarcha, DOSTv)

In the fight against global plastic pollution, the Philippines, through the Department of Science and Technology-Philippine Nuclear Research Institute (DOST-PNRI) showcased the first-of-its-kind prototype house built with radiation-processed plastic tiles and panels.

DOST Secretary Renato U. Solidum Jr. said this common Filipino residential house model is a concrete example of the country's achievement in leveraging nuclear science and radiation technology as an "innovative yet realistic solution for reprocessing plastic wastes."

"Thanks to the IAEA NUTEC Plastics initiative, and the collaboration of scientists from the DOST-Philippine Nuclear Research Institute, Industrial Technology Development Institute and their counterpart, Envirotech. I am proud to say that we have made great progress since then," Solidum said.

The Nuclear Technology for Controlling Plastic Pollution (NUTEC Plastics) is an initiative launched by the International Atomic Energy Agency (IAEA) to help countries use nuclear science to monitor and reduce plastic pollution. The Philippines is one of the nine pilot countries leading the world in the plastics upcycle component of NUTEC Plastics initiative.

Through the Post-Radiation Reactive Extrusion (PREx) project, researchers of DOST-PNRI were able to show that low-value plastic waste can be transformed into durable construction materials like tiles, bricks, and panels.

"A lot of them [plastics] are coming from sachets. These are quite common in the Philippines. They are treated with radiation. What does the radiation do? It enables the bonding of the plastics to be modified, so that there will be stronger bonds. If you did not apply the radiation, the product, even if you heat it, will not be very sustainable," DOST-PNRI Director Carlo A. Arcilla said, explaining

how plastic wastes are turned into useful materials.

He added that radiation-induced processing can only be done using an electron beam or gamma radiation, however, he clarified that the radiation does not make the plastics radioactive, making the technology safe for handling and everyday use.

Moreover, aside from its significant contribution to circular-economy innovation, upcycling plastic waste materials can also be a business opportunity, according to Solidum.

"We also wanted to change the mindset of our people at the community level. One of the things that we need to change is when people see plastic, they don't see plastic, but they see money. If you think that what you see is money, you won't throw it away. So essentially what we're trying to do now is really combine science, technology, innovation, and business," Solidum said.

Displayed at the DOST-PNRI compound, the PREx model house is the first prototype physically demonstrated exclusively in the country during the first visit of the IAEA Director General Rafael Mariano Grossi on November 26, 2025.

His visit is also part of the first International High-Level Forum on NUTEC Plastics convened at Conrad Hotel, Pasay City on November 25.

The forum aimed to serve as a platform to gather ministers, scientists, regulators, innovators, and industry leaders to tackle international perspectives, opportunities, and challenges in addressing global plastic pollution.

"The Philippines is honored to convene this high-level forum at the moment when nations are redefining how science and technology shape their development and protect. Across the world, environmental pressures are converging with rapid technological changes. Leadership today demands not only political will, but an ability to integrate scientific evidence, cutting-edge research, and strategic foresight into national and global decision-making," President Ferdinand Marcos Jr. said.

Marcos led the opening ceremony of the forum at Conrad Hotel Pasay City.

The PREx model house is one of the many initiatives of the Department of Science and Technology (DOST) aimed at providing science-based, innovative, and inclusive solutions across four strategic pillars: human well-being, wealth creation, wealth protection, and sustainability. These pillars embody the mantra OneDOST4U: Solutions and Opportunities for All.

The proposed MSRS is envisioned to serve as a hub for advanced marine research and conservation efforts, enhancing data-driven management and protection of the region's marine ecosystems in partnership with local communities and stakeholders.

/PR

DEPARTMENT OF SCIENCE AND TECHNOLOGY

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KAGAWARAN NG KALIGIRAN AT LIKAS NA YAMAN

WEDNESDAY CHRONICLE

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DENR CALABARZON Pushes Forward Marine Scientific Research Station Plans in Balayan, Batangas



The Department of Environment and Natural Resources (DENR) CALABARZON, through the Conservation and Development Division, PENRO Batangas, and CENRO Calaca, held a coordination meeting on November 3, 2025 in Brgy. Navotas, Balayan, Batangas to discuss the proposed establishment of a Marine Scientific Research Station (MSRS) in the Verde Island Passage (VIP), a globally recognized center of marine biodiversity.

The activity gathered representatives from national agencies and local government, including Balayan Mayor Lisa Ermita-Abad, who expressed full support for the project and gratitude for selecting the municipality as one of the proposed sites. Also present were delegates from DENR Central Office and partner agencies/sectors, including Mr. Philip John Martin from the Biodiversity Management Bureau, Mr. Joaquin Silvestre of the Ocean Environments Task Force, and project consultants from Jorge Yulo Architects and Associates.

The proposed MSRS is envisioned to serve as a hub for advanced marine research and conservation efforts, enhancing data-driven management and protection of the region's marine ecosystems in partnership with local communities and stakeholders.

/PR

For we walk by faith, not by sight

2 Corinthians 5:7

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CAVITE MARKS PROVINCIAL CHILDREN'S MONTH WITH 2025 STATE OF THE CHILDREN ADDRESS

MULA SA BAYAN, PARA SA BAYA

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A P500 NOCHE BUENA AND THE PRICE OF DIGNITY

As the holiday season nears, government officials once again insist that a Filipino family can enjoy a "complete" Noche Buena for 500. The claim has sparked disbelief, frustration, and, for many, a familiar sense of disappointment. Year after year, the same narrative resurfaces—one that attempts to paint poverty with cheerful colors rather than confront the deeper crisis behind it.

Let us be clear: 500 is not just a number. It is a symbol of how disconnected policymaking can be from the lived realities of ordinary Filipinos.

In a time of rising inflation, shrinking household budgets, and unstable wages, the suggestion that a family can meaningfully celebrate Christmas with such a

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tight amount feels less like encouragement and more like an evasion of responsibility.

If anything, the outrage over the 500 Noche Buena estimate reveals a powerful truth: Filipinos know their worth, and they refuse to accept minimalism as policy.

Christmas is about hope, but hope must be matched by action. Policymakers must confront—not minimize—the economic challenges facing millions of households.

Because when we reduce a family's holiday to a price tag, we also risk diminishing the dignity they deserve.

CAVITE...

Imus, Cavite — Young entrepreneurs and student leaders gathered for the Cavite Entrepreneurship Students Conference on November 27, 2025, where they heard Senator Bam Aquino deliver a strong call for strengthened education programs, transparent governance, and youth empowerment.

Senator Aquino shared his journey in public service, recalling how his work in the Senate began in 2013 with the passage of the Go Negosyo Act, a landmark law that established thousands of Negosyo Centers across the country to help small entrepreneurs start and grow their businesses.

He also highlighted his advocacy for education, particularly the passage of the Free College Education Law, which has provided free tuition in SUCs, LUCs, and tech-voc institutions to millions of Filipino students over the past seven years.

cam) proceedings now livestreamed for the first time in history, he urged the public—especially the youth—to remain vigilant and ensure transparency in government spending.

Carrying the message "Edukasyon, hindi kora psyon," Senator Aquino called on students to help guard public funds so every peso goes to programs that genuinely uplift Filipino learners and families.

The event concluded with Senator Aquino encouraging Cavite's youth to stay engaged, pursue innovation, and take an active role in building a future defined by integrity, opportunity, and accessible education for all. /PR



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CAVITE...

Trece Martires City, Cavite — The Provincial Government of Cavite, through the Provincial Council for the Protection of Children (PCPC), celebrated Provincial Children's Month on November 25 at the New Provincial Government Center, gathering more than 260 participants, including children, PCPC members, and focal persons from local government units across the province.

Another key feature of the celebration was an Advocacy Session on Online Sexual Abuse and Exploitation of Children (OSAEC) and Child Sexual Abuse and Exploitation Materials (CSAEM). The session, led by Ms. Anika Kayla Ligeralde of the DSWD Field Office IV-A, emphasized the importance of community vigilance, digital safety, and strengthened protection mechanisms to address emerging threats to children.

A major highlight of the event was the presentation of the 2025 State of the Children Address (SOCA) through an audio-visual presentation. The report showcased Cavite's continued dedication to creating a brighter, safer, and more inclusive future for all Caviteño children. /PR

for every Caviteño child. Santilices (PWD representative) were chosen to serve as the official voices of children in Cavite.

Representing Gov. Abeng Remulla, PCPC Chairperson, Board Member Romel Enriquez reaffirmed the provincial government's commitment to promoting children's rights and supporting programs that advance their holistic development.

With its meaningful activities and strong multi-sector participation, the 2025 Provincial Children's Month Celebration underscored Cavite's continued dedication to creating a brighter, safer, and more inclusive future for all Caviteño children. /PR

WEDNESDAY CHRONICLE

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From Page 1

REPUBLIC OF THE PHILIPPINES
REGIONAL TRIAL COURT
FOURTH JUDICIAL REGION
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BANK OF COMMERCE,
Mortgagee,
FORECLOSURE CASE NO. F-585-25

-versus-

MARITES M. DE GUZMAN AND
AILYN R. SUSVILLA, represented by
ARSENIO R. SUSVILLA as Atty-in-Fact,
Mortgagors.

x - - - - - x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BANK OF COMMERCE** with business address at San Miguel Properties Centre, No. 7 St. Francis St., Mandaluyong City against the Mortgagors, **MARITES M. DE GUZMAN and AILYN R. SUSVILLA** represented by their Atty-in-Fact **ARSENIO R. SUSVILLA**, with residence and postal addresses at (1) Blk. 4, Lot 11 Jade St., Reymondville Casa Filipina, Sucat, Parañaque City, and (2) Block 51, Lot 45 Bel Aldea Subdivision, General. Trias, Cavite, to satisfy the mortgage indebtedness which as of August 15, 2025 amounts to **THREE MILLION THREE HUNDRED FIFTY FIVE THOUSAND SEVEN HUNDRED TWENTY PESOS and 54/100 (P3,355,720.54)**, Philippine Currency, inclusive of interests, penalties and account receivables as of said date but exclusive of other legal expenses incidental to this foreclosure sale, the undersigned Sheriff will sell at public auction on **December 10, 2025** at 10:00 o'clock in the morning up to 12:00 o'clock noon at the main entrance of the Government Center Building, located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for CASH and in Philippine Currency, the following described property with all the improvements thereon, to wit:

**TRANSFER CERTIFICATE OF TITLE NO.
(T-1305910) 057-2022035129**

A parcel of land (Lot 45, Blk. 51 of the cons. & subd. plan, Pcs-04-011869, being a portion of the cons. of Lots 2680-G-3 to 8, all of (LRC) Pcs-222174; Lot 2680-J-2 (LRC) Pcs-101732; Lots 2680-H, I & K, all of Pcs-33619, L.R.C. Rec. No.) situated in the Brgy. of De Fuego, Mun. of Gen. Trias, Prov. of Cavite, Is. of Luzon. Bounded on the NE., along line 1-2 by Lot 95 (Alley), Blk. 51; on the SE., along line 2-3 by Road Lot 49 (6.50 m wide); on the SW., along line 3-4 by Lot 43; on the NW., along line 4-1 by Lot 46, both of Blk. 51, all of the cons.-subd. plan. Beginning at a point marked "1" on plan. **xxx containing an area of SEVENTY SQ.METERS and THIRTY SIX SQ. DECIMETERS (70.36) xxx**

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date, it shall be held on **December 23, 2025** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, November 11, 2025.

SGD ANDRES B. ESPINA
Sheriff IV

Copy Furnished:

VBVA LAW FIRM (VILLAMOR, BONIFACIO-VILLAMOR AND ASSOCIATES)
Counsel for the Mortgagee

4F Future Point Plaza 2, 116 Mother Ignacia Ave., Brgy. South Triangle, Quezon City 1103

Ms. MARITES M. DE GUZMAN
Ms. AILYN R. SUSVILLA & Mr. ARSENIO R. SUSVILLA
(1) Blk. 4, Lot 11 Jade St., Reymondville Casa Filipina, Sucat, Parañaque City,
(2) Block 51, Lot 45 Bel Aldea Subdivision, General. Trias, Cavite,

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Dates: November 12, 19 & 26, 2025

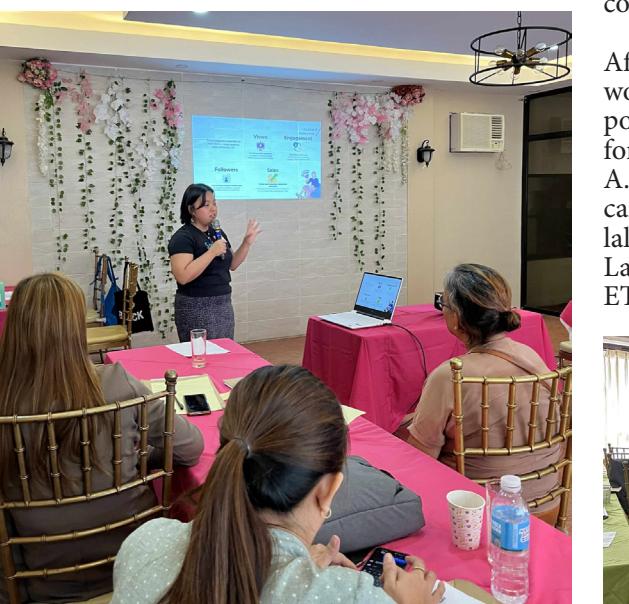
profiles, allowing them to appear on Google Search and Maps—an essential step in expanding their reach and improving credibility.

The second day began with an inspirational message from DTI Laguna Provincial Director Christian Ted O. Tungohan, who underscored the need to continuously boost the knowledge of women entrepreneurs and equip them with digital skills to help them gain expanded market shares in today's technology-driven economy.

Following this, Ms. Berlin V. Mabuna, Division Chief of the E-Commerce Policy and Promotion Division, E-Commerce Bureau, discussed key national initiatives supporting digital business growth. Her session covered the Internet Transactions Act of 2023 (ITA), DTI's E-Commerce Philippine Trustmark, and Republic Act No. 11967, highlighting the government's commitment to ensuring a safe, fair, and trustworthy e-commerce environment for both consumers and online sellers.

Afterward, Toriano returned to conduct a Canva workshop, where participants learned how to design posters, marketing materials, and creative layouts for their online platforms. In the afternoon, Elmar A. Salvador, Jolymar R. Ropal, Lean Kurt Razon Escano, Ed Rhovic Banaag Esmas, Angel Jentapa Bulalayao, Sarah Balmaceda Ramos, developers from Laguna University, facilitated a walkthrough of the ETAAS Mobile

DTI Empowers Laguna Women Entrepreneurs through ETAAS "Ang Pinay MSME" Digital Training Program

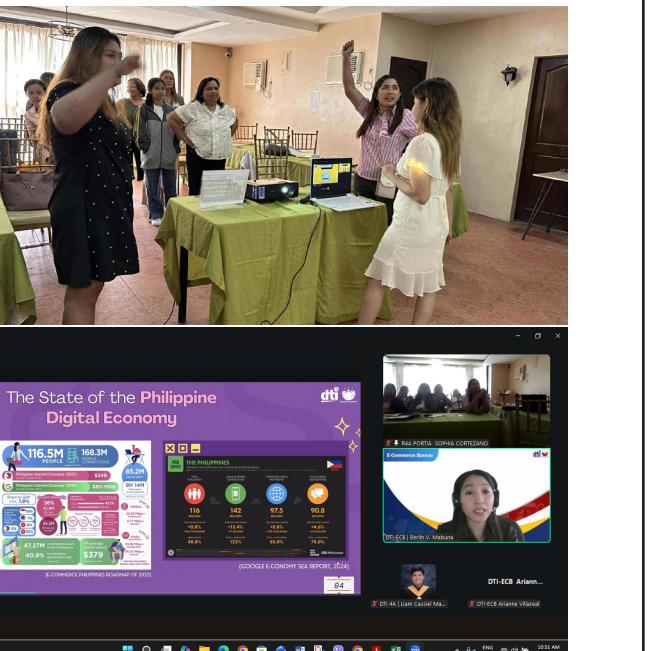


Laguna, Philippines — The Department of Trade and Industry (DTI) – Laguna Provincial Office, through its Empowering Through Access and Assistance Services (ETAAS) "Ang Pinay MSME" Program, successfully conducted its Laguna Run on November 5–7, 2025 at Asiabloomz Hotel, Santa Cruz, Laguna.

The three-day activity gathered women entrepreneurs and aspiring digital sellers from across the province for a hands-on training program aimed at strengthening their digital marketing, online selling, and e-commerce capabilities. On the first day, Mr. Levy Visorde, Purplebug's Sr. Brand Specialist, and Ms. Antonette Jane Magsombol, SMICOS Brand Marketing Specialist, led a practical session on TikTok Shop registration, guiding participants through account creation and shop setup.

The discussion highlighted how short-form video content can help local entrepreneurs connect with broader audiences and boost sales. Participants were also introduced to CapCut, a user-friendly video editing tool that allows them to create creative, editable video posts to promote their products more effectively.

In the afternoon, Mr. Nico Toriano, Senior Business Counsellor assigned in Lumban, conducted a session on E-Marketing through Google My Business, emphasizing the value of online visibility and customer engagement. Participants were able to successfully create and verify their Google My Business



Application, an exclusive platform developed for ETAAS members. The app aims to serve as a centralized e-commerce and community hub, allowing members to showcase their products and services, manage transactions, and communicate with buyers in a secure digital environment.

On the final day, Provincial Director Tungohan delivered his closing remarks, emphasizing the importance and timeliness of the ETAAS Program in helping MSMEs transition into the digital marketplace. He expressed DTI's continued commitment to nurturing digitally capable entrepreneurs and fostering inclusive business growth in Laguna.

As part of the culmination activity, graduates of the training program received digitalization kits, which they can utilize to apply their newly acquired skills and enhance their business operations (**PSMCortezano, DTI-Laguna**).

REPUBLIC OF THE PHILIPPINES
REGIONAL TRIAL COURT
FOURTH JUDICIAL REGION
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-608-25

-versus-

PILARCITA YUSORES ABSIN
Represented by JOHN WILLY FRED
YUSORES ABSIN AS Atty-in-Fact,
Debtor/s Mortgagor/s.

x - - - - - x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Mortgagor, **PILARCITA YUSORES ABSIN, represented by JOHN WILLY FRED YUSORES ABSIN AS Atty-in-Fact**, with residence and postal addresses at (1) #1060 Unit D, Villa Raymundo Arias Compound, Barangay Palatiw, Pasig City (Occupied by Third Party) and (2) Lot 2, Block 2, Brgy. Bacao I, Gen. Trias, Cavite (not occupied), to satisfy the mortgage indebtedness which as of August 15, 2025 amounts to **ONE MILLION EIGHT HUNDRED THIRTY SEVEN THOUSAND SIX HUNDRED THIRTEEN PESOS and 5/100 (P1,837,613.05)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **December 10, 2025** at 10:00 o'clock in the morning until 12:00 noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for CASH and in Philippine Currency, the following described property with all the improvements thereon, to wit:

**TRANSFER CERTIFICATE OF TITLE
No. 057-2021049511**

Lot No. 2 Block: 2 Plan No. Pcs-04-031422
Portion of: Lot 1648-A; 1648-B; 1648-C; (LRC) Pcs-303867 & 1649, San Francisco de Malabon Estate, Decree No. 4270, LRC Record No. 5964
Location: Barangay of Bacao I, City of Gen. Trias, Province of Cavite, Island of Luzon

Boundaries:
LINE DIRECTION ADJOINING LOT(S)
1-2 SW Road Lot 1, Pcs-04-031422
2-3 NW Lot 1, Block 2, Pcs-04-031422
3-4 NE Block 25, Pcs-04-031422
4-1 SE Lot 3, Block 2, Pcs-04-031422

Area: FORTY (40) SQUARE METERS, more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **December 23, 2025** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, November 11, 2025.

SGD JOANNAH AVIGAIL TIMKANG
Sheriff IV

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BDO UNIBANK, INC.
Consumer Remedial Management
33rd Floor, BDO Corporate Center Ortigas

No. 12 ADB Avenue, Mandaluyong City

Ms. PILARCITA Y. ABSIN
Mr. JOHN WILLY FRED Y. ABSIN
1. #1060 Unit D, Villa Raymundo Arias Compound, Barangay Palatiw, Pasig City
2. Lot 2, Block 2, Brgy. Bacao I, Gen. Trias, Cavite

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CAVITE...

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subject to a 20-percent tax.

The PCSO said prizes not claimed within a year shall be forfeited.

Meanwhile, 24 other bettors won PHP120,000 each for hitting five out of the six winning digits; 1,519 will get PHP2,000 each for four correct digits; and 27,915 will settle for PHP100 each for three correct digits.

The Ultra Lotto 6/58 is drawn every Tuesday, Friday and Sunday.

The PCSO urged the public to patronize the games as a large portion of the revenues goes to the government's charity programs. (PNA)

Lotto winnings of more than PHP10,000 are

Cavite Farmers Learn Pastry and Delicacy Making Through Livelihood On-the-Go Program



Trece Martires City, Cavite — November 19, 2025

— Farmers from across Cavite gained new culinary skills during the latest installment of the Livelihood On-the-Go (LOG) program, hosted by the Office of the Provincial Cooperatives Development Officer (OPCDO). The session focused on making Banoffee Pie and Pichi-Pichi, providing participants with potential income-generating skills.

The training, held at the Office of the Provincial Agriculturist Compound, gathered farmers from various cities and municipalities. Ms. Sherryll H. Loyola, Livelihood Division Head of OPCDO, welcomed the participants and encouraged them to explore livelihood ventures that can supplement their families' income.

The hands-on session was facilitated by Ms. Corazon A. Tepora, who guided participants through the preparation and finishing of the pastries and delicacies. By the end of the training, attendees had successfully produced their own Banoffee Pies and Pichi-Pichi, demonstrating their newly acquired skills.

The OPCDO's LOG program continues to promote community-based livelihood development, equipping Caviteños with practical skills to enhance economic resilience and create sustainable livelihood opportunities. /PR

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