



# DOWFRIENDS Newsletter

Great Place To Work® and Fortune recognize Dow for 4th consecutive year among 100 Best Companies to Work For®



**Great Place To Work® and Fortune recognize Dow for the 4th consecutive year among 100 Best Companies to Work For®**

*Dow ranked #79, up 10 places from last year, and is the highest-ranking manufacturing company on the list.*

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**Register now:** North America Dow Retiree Webinar, featuring updates from Dow leaders.

**Mauro Gregorio to retire from Dow;  
Brendy Lange named president of Dow  
Performance Materials & Coatings**

Brendy Lange, Business Vice President of Dow Industrial Solutions, has been named President of Performance Materials & Coatings, succeeding Mauro Gregorio who will retire at the end of September.

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## Dow reports first quarter 2024 results

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## Dow announces results from 2024 Annual Stockholder Meeting

- ◆ Declares quarterly dividend of 70 cents per share
- ◆ Richard K. Davis re-elected independent lead director

Dow is pleased to report the preliminary results of its 2024 Annual Meeting of Stockholders. Today stockholders elected Samuel R. Allen, Gaurdie E. Banister Jr., Wesley G. Bush, Richard K. Davis, Jerri DeVard, Debra L. Dial, Jeff M. Fettig, Jim Fitterling, Jacqueline C. Hinman, Luis Alberto Moreno, Jill S. Wyant, and Daniel W. Yohannes to the Company's Board of Directors for one-year terms.



Stockholders approved an advisory resolution on executive compensation and ratified the appointment of Deloitte & Touche LLP as Dow's independent auditor for 2024. A majority of votes cast by Dow stockholders were against the Stockholder Proposal for a Shareholder Right to Act by Written Consent and against the Stockholder Proposal for a Single-Use Plastics Report.

After certification by the Company's inspector of elections, the Company will file with the U.S. Securities and Exchange Commission a Form 8-K reporting the final voting results, which will also be available on the Company's website at [investors.dow.com](https://investors.dow.com).

The meeting will be available via [webcast](#) replay on Dow's website. Additionally, the Company expects to publish its [annual INtersections report](#) mid-year and will continue to include disclosures on our climate, circularity and other sustainability initiatives.

Following the Company's 2024 Annual Meeting of Stockholders, the Board of Directors declared a quarterly dividend of 70 cents per share, payable June 14, 2024, to shareholders of record on May 31, 2024. This marks the 451st consecutive dividend paid by the Company or its affiliates since 1912.

The Board also re-elected Richard K. Davis to serve as independent lead director for a one-year term. Mr. Davis joined Dow's board in May 2015 and has served as independent lead director

since April 2021. Additionally, he has served as a member of the Company's corporate governance committee since April 2019 and as chair of the audit committee since April 2021.

Dow's board ranks in the top quartile for ethnic diversity among industry peers and nearly 60% of its directors are women or U.S. ethnic minorities – demonstrating the Company's commitment to diversity. The Company's Board of Directors is comprised of a strong balance of new and highly experienced directors, with an average tenure of approximately 6 years. All directors are highly accomplished leaders and together bring a variety of relevant skills and diverse experiences, including capital allocation; financial acumen; risk management; technology expertise; operational experience; and environmental, social and governance expertise.

Biographies for all directors, committee assignments and other corporate governance information are available on our [Corporate Governance](#) website.

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## Dow wins 2024 CIO 100 Award for Integrated Data Hub

Dow received a [2024 CIO 100 award](#) for the Company's Integrated Data Hub. This prestigious award celebrates organizations worldwide that demonstrate exceptional strategic and operational excellence in IT. This marks the third consecutive year that Dow has received this recognition.

"The Integrated Data Hub represents a significant milestone in our ongoing journey to harness data as a strategic asset," said [Melanie Kalmar](#), corporate vice president, chief information officer and chief digital officer. "Our approach to Data & Analytics encompasses not only technology design and implementation, but also a cultural shift centered around data access and value creation."

The Integrated Data Hub serves as a vital component of Dow's Enterprise Data & Analytics strategy and aims to provide several key benefits, including centralized data access, empowered teams, data ownership and stewardship, state-of-the-art tooling, and streamlined analytics workflows. This innovative platform, which utilizes automated metadata consumption and domain-oriented data landing zones, ensures accountability for all data in the environment and offers advanced tools to simplify working with data.

A crucial aspect of the Integrated Data Hub is empowering data owners and stewards with the tools necessary to manage their data effectively. Through the data marketplace, they can control access to their data, manage business glossary terms, and maintain visibility into data usage.



To support the Integrated Data Hub, there is a wide-ranging Data & Analytics Literacy program that represents all parts of the enterprise and gives Dow employees the skills to read, write, and communicate with data in context. It ensures that all the data the company produces is reliable and high-quality for analytics and decision-making purposes.

Kalmar added: "I'm incredibly proud of the team, who did a tremendous job building the Integrated Data Hub. Implementing both technical and cultural changes in a company with over 125 years of history is no easy feat. However, the successful creation and utilization of the Integrated Data Hub demonstrates our ability to adapt and embrace today's opportunities. As we celebrate this achievement, we remain committed to continuous innovation, driving transformative outcomes, and unlocking new possibilities through data-driven excellence."

Executives from the winning companies will be recognized at the [CIO 100 Symposium & Awards](#).

"The CIO 100 Symposium & Awards continues a tradition of over 25 years of the highest quality content for IT leaders and their teams. In addition to celebrating 100 organizations during the dinner and awards ceremony, I am thrilled to feature many of these IT leaders as speakers," stated Elizabeth Cutler, content director, CIO 100 Symposium & Awards. "The award-winning teams share a passion for excellence, a customer-centric mindset, and a drive to invest in technologies that elevate business value."

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## **Dow announces intent to invest in new world-scale carbonate solvents facility in the U.S.**

- ◆ *Investment will serve increasing demand in the electric vehicle and energy storage markets in the U.S.*
- ◆ *New world-scale production facility will capture a significant portion of carbon dioxide from its manufacturing processes*
- ◆ *Project was selected for award negotiations by the U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations*

Dow announced the intent to invest in ethylene derivatives capacity on the U.S. Gulf Coast, including the production of carbonate solvents, critical components to the supply chain of lithium-ion batteries.



This investment supports growth in domestic electric vehicle (EV) and energy storage markets and builds on Dow's [successful track record of growth projects](#), including the recent global alkoxylation capacity expansions expected to come online in the next two years in U.S. Gulf Coast and Europe.

Dow is collaborating with the U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) and was [selected for award negotiations](#) to establish a world-scale carbonate solvents production facility for lithium-ion battery production on the U.S. Gulf Coast. The project is supported by agreements with customers, including leading EV original equipment manufacturers and electrolyte manufacturers.

This facility will capture more than 90% of the carbon dioxide from the ethylene oxide manufacturing process and will utilize it to produce carbonate solvents needed for the electrification of vehicles and to strengthen the U.S. power grid through energy storage. This investment is in line with Dow and the U.S. government's goals to enable reduction of greenhouse gas emissions in the mobility and transportation sector by investing in supply chain resiliency for domestic battery and EV manufacturing.

"This announcement is an exciting proof point of Dow's Decarbonize & Grow strategy, paired with our MobilityScience™ capabilities and commitment to a sustainable future for the automotive industry," said Brendy Lange, Dow Industrial Solutions business vice president. "The support from the DOE is a critical enabler of this project, localizing the supply of low-carbon value-added products to help enable the clean energy transition while advancing the decarbonization of our own operations."

Carbonate solvents are an important component of the electrolyte inside lithium-ion batteries, which help to enhance battery performance and longevity, enabling the advancement and adoption of electric vehicle technology. They will expand Dow's high-performing [MobilityScience™](#) portfolio to address Mobility industry challenges like decarbonization and improving EV performance.

As part of this investment, Dow is committed to enhancing its community in parallel. Dow will collaborate with new and existing partners in growing diverse suppliers, workforce development and education, economic development, and local and state government to address infrastructure needs.

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## Dow extends partnership with Jaguar TCS Racing ahead of milestone Tokyo E-Prix

- ◆ *Dow and Jaguar TCS Racing announce the extension of their technical partnership, as the British team continues their pursuit for podiums in the ABB FIA Formula E World Championship.*
- ◆ *Dow builds upon its commitment to global sustainable mobility, hosting “Future of Mobility” Forum in Tokyo in conjunction with the race.*



Dow announced the extension of its partnership with Jaguar TCS Racing, reinforcing its commitment to advancing sustainable mobility through materials science innovation. This announcement comes ahead of Jaguar TCS Racing’s milestone 100th race in the ABB FIA Formula E World Championship at the inaugural Tokyo E-Prix on March 30, showcasing the team’s shared commitment and passion with Dow for pursuing electric vehicle (EV) innovation from the race track to the road.

The two teams began collaborating in 2020 with Dow becoming the team’s Official Materials Science Partner shortly thereafter. Through the extended partnership, Dow MobilityScience™ and

Jaguar TCS Racing engineers will continue to work together to integrate next-gen materials that will advance the performance and efficiency of the Jaguar I-TYPE 6 electric race car. Dow continues to work with Jaguar TCS Racing on several primary areas of focus including Thermal Management, Adhesion and EMI (electromagnetic interference).

Against the backdrop of the Tokyo E-Prix, Dow hosted a “Future of Mobility” Forum to foster collaboration and critical dialogue among industry stakeholders. The event took place on March 29, and included keynotes and panels covering topics like circularity, the industry’s collective transition to EVs and keeping pace with regulatory demands.

Drawing on over a century of transportation experience and expertise in application development, Dow MobilityScience™ pioneers innovative solutions that drive global progress. With a diverse portfolio of materials science solutions and world-class technical capabilities, Dow is dedicated to shaping the future of mobility. From addressing challenges like decarbonization to enhancing EV performance, Dow remains at the forefront of advancing mobility solutions. For further details, please visit [the MobilityScience™ website](#).

### **Jon Penrice, Dow MobilityScience™ President**

“Collaboration stands as the cornerstone for forging a sustainable automotive future. From our partnership with Jaguar TCS Racing, to our growing number of technical partnerships with OEMs beyond the sporting arena, it’s evident that aligning with the entire automotive supply chain is the fastest way to realizing a future where mobility is safer, smarter and more efficient.”

## **Carlos Padilla II, Dow Head of Global Sports Partnerships**

“Sport is one of the most powerful platforms in the world – and its impact extends to B2B companies like Dow. Our partnership with Jaguar TCS Racing has provided a high intensity lab for next-gen automotive innovation while also allowing us to create new and more integrated relationships with our customers around the world. Our organizations hold a shared commitment to building a future that is more sustainable and inclusive. It’s these shared values that have made this partnership successful so far and will continue to do so as our collaboration continues.”

## **James Barclay, Managing Director of JLR Motorsport, and Jaguar TCS Racing Team Principal**

“We are delighted and hugely proud to be announcing the extension to our valued and highly successful partnership with Dow, and the timing couldn’t be better ahead of celebrating our team’s 100th race in Formula E. The coming together of two purpose-driven brands like ours can be an incredible vehicle for change. In the time that we’ve worked together, we have already made great strides in innovating and advancing sustainable technologies and performance for automotive customers around the world. Now we look ahead to the future, where this strategic partnership will not only continue to improve the performance of our all-electric Jaguar Formula E race cars, as well as influence the future of e-mobility.”

## **Patrick McLeod, President of Dow Japan**

“The Tokyo E-Prix serves as a compelling platform for discussions around automotive innovation. For Dow, the Japanese market and the broader Asia Pacific region hold significant strategic importance. This region has been the driving force of EV innovation for several decades and it’s important that we maintain this momentum amidst global competition, regulatory pressures and market volatility. It’s my hope that every OEM, Tier and industry thought leader that attended our Forum will be motivated to foster further collaboration and sustainable innovation.”

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## **Dow announces “Team Dow – The Next Generation” supporting promising female golfers**

- ◆ *Future stars of the LPGA Tour to receive support from Dow in first-of-its-kind player sponsorship program in women’s golf*
- ◆ *Team Dow – The Next Generation to include Epson Tour players Alyaa Abdulghany, Lakareber Abe, Anita Uwadia and LPGA Rookie Gurleen Kaur*

Dow announced the formation of **Team Dow – The Next Generation**, a new initiative where Dow will provide full sponsorship support to four female professional golfers to assist in fulfilling their dreams of competing on the LPGA Tour and continuing to play the game they love. These four players will join Dow’s existing [golf ambassadors](#) in representing the Company on and off the course during the 2024 season.



The new Team Dow initiative will support a diverse group of players on an annual basis to minimize the financial challenges players face as they compete week-in and week-out on golf’s professional tours.

“Team Dow – The Next Generation is a natural next step in the evolution of our overall partnership with the LPGA Tour in helping to advance the progress of the game’s future stars to reach their goals in walking the fairways with the game’s best players on the LPGA Tour,” said Carlos Padilla II, head of global sports sponsorships at Dow. “We are excited about this new program working in conjunction with the LPGA and Epson Tours to help these players achieve their dreams.”

The four players who will be a part of the inaugural year of Team Dow – The Next Generation are Epson Tour players Alyaa Abdulghany, Lakareber Abe, Anita Uwadia, and LPGA Tour Rookie Gurleen Kaur.

In addition to receiving financial support for the 2024 season, the players will also receive opportunities such as mentorship from Dow executives, media training, and more.

“The creation of Team Dow – The Next Generation is game-changing for our players,” said Epson Tour Chief Business and Operations Officer Jody Brothers. “How Dow is stepping up to provide support for our players through financial means and mentorship sets a new standard for the Epson Tour. This will become a very sought-after partnership for our players for years to come. The financial support alone is going to solve an entire year’s worth of traveling and entry fees and will allow them to do what they do best, which is focus on golf. This is a huge step in the right direction.”

"All professional sport has its unique hardships, but something they all share in common is the financial demand. Golf at an elite level is no different with many players unable to showcase their talent due to monetary strain," said Alyaa Abdulghany, Team Dow Ambassador and Epson Tour Player. "The commitment from Dow in recognizing skilled golfers and relieving them of the financial inconvenience shows their attention and dedication to cultivating the game of golf. I am honored and thrilled to take part in this partnership and look forward to being a representative of Dow."

Dow, the Official Sustainability Resource of the LPGA and the Ladies European Tour, has been at the forefront of advancing inclusion, diversity, and sustainability through sponsorships on golf’s professional tours. The Dow Championship (formerly the Dow Great Lakes Bay Invitational) is the



LPGA Tour's annual signature team event at the Midland Country Club which is now in its fifth year and was the first event on the LPGA Tour to receive and retain full GEO Certification for its sustainability efforts.

For more information on the Company's commitment to growing the game of golf, visit [Dow's website](#).

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## **Dow, Diversey and Pebbles Project collaborate to bring Soap For Hope™ to South Africa**

- ◆ *Soap For Hope™ (S4H) program recycles discarded soap bars from local hotels helping underserved communities around the world*
- ◆ *The Pebbles Project has created a partnership to support sustainable sanitation and engage, train, and empower unemployed young adults and women to implement S4H as a small business*

[Dow](#), [Diversey](#) - a [Solenis](#) company and [Pebbles Project](#) launched today the Soap For Hope™ program in Cape Town, South Africa. This initiative was one of the seven awarded by Dow within its [Business Impact Fund](#). The annual fund brings together NGOs, nonprofit organizations, and Dow customers to help solve global issues using Dow technology and employees' expertise.



The Soap For Hope™ program, initiated by Diversey in 2013, has expanded to more than 50 countries globally. Through the recycling of discarded hotel guest soap, this program not only supports local communities by offering livelihood opportunities but also contributes to mitigating infant mortality rates associated with insufficient access to proper sanitation conditions.

Through its extensive network of local farm operations, the South African NGO Pebbles Project, will launch the Soap For Hope™ program in Cape Town with these goals:

- ◆ Divert 10,000 kg of soap bar waste annually away from landfills and incineration towards recycling.
- ◆ Distribute recycled soap bars in communities with a need for hygiene resources and provide training on sanitation best practices.
- ◆ Train and empower young adults to manage the recycling operation as a small business.

"As a materials science company and supplier of raw materials that serve the cleaning market, Dow is proud to be a key collaborator of Soap For Hope that enables sustainable cleaning solutions whilst helping the local communities," said Kevin Pillay, Dow's country leader Southern Africa.

“Soap For Hope is a program that directly engages the local people in helping their own community. At the same time, it helps our hotel customers with diverting tons of solid soap waste to the local landfill. This will contribute to a cleaner and healthier environment in South Africa and create shared value for everyone involved – our company, our customers, and our communities,” said Mariette Van Vuuren, sales director South Africa, Diversey, a Solenis Company.

“The recycled soap will be made available to communities that do not have access to proper hygiene tools today,” said Sophie Warner, founder & CEO, Pebbles Project. “We will train unemployed young adults and women on entrepreneurship to upskill and empower them to run the recycling project as a small business.”

“Premier Hotels & Resorts are proud to partner with Dow, Diversey and The Pebbles Project for the Soap For Hope initiative. Recycling and green initiatives along with building the communities in which we operate is extremely important to us. We are proud to join the Soap For Hope Project and look forward to helping this initiative take flight in making a difference in the local community”, said Richard Bray, Group Operations manager at [Premier Hotels & Resorts](#).

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## **Dow works with Ducks Unlimited to enhance wetlands and protect critical wildlife habitat across the Gulf Coast Region**

Ducks Unlimited (DU), the world’s leader in wetland conservation, and Dow, a global leader in materials science, announce a collaboration to drive sustainability and conservation efforts in the Gulf Coast region of the United States benefitting wildlife habitat, water quality and outdoor recreation.

With the support of Dow and other conservation partners, DU will enhance approximately 2,030 acres of coastal freshwater wetlands between Cameron Prairie and Lacassine National Wildlife Refuges in Louisiana. This project will help protect critical natural infrastructure, enhance habitat for migratory waterfowl and wildlife and improve outdoor recreational opportunities for communities.

“Dow is committed to protecting the climate, and with that, the vital water and nature ecosystems humanity depends on,” said Andre Argenton, chief sustainability officer and vice president of Environment, Health and Safety at Dow. “We are excited to work with Ducks Unlimited to facilitate the revitalization of essential ecosystems in the United States.”



Wetlands are among the most biologically productive ecosystems in the world. Without the conservation of wetlands, the habitats they provide to countless species of plants and animals would cease to exist. Wetlands are a nature-based solution to help protect coastal areas from major weather events, like hurricanes and tropical storms.

The first phase of the Cameron Prairie Refuge enhancement project was completed in the Fall of 2023 and included infrastructure features such as levee refurbishment, electric pumps, water-control structures and water delivery systems for better habitat management of the refuge managed for waterfowl and waterbirds.

The second phase is set to begin later this year and will include work on an irrigation pipeline to reliably manage water between impoundments, as well as levees and other infrastructure needs.

“This partnership marks a significant milestone in our ongoing efforts to address the steady decline of wetlands across North America,” said DU Chief Sustainability Officer Dr. Karen Waldrop. “Dow’s conservation investment will help pay great dividends in water sustainability, improved wildlife habitat and benefits to rural communities. Having partners like Dow helps Ducks Unlimited ensure important wetlands enhancement and restoration projects happen in places where they are needed.”

## **About Ducks Unlimited**

Ducks Unlimited is the world’s largest nonprofit organization dedicated to conserving North America’s continually disappearing wetlands, grasslands and other waterfowl habitats. Established in 1937, Ducks Unlimited has restored or protected more than 18 million acres thanks to contributions from more than a million supporters across the continent. Guided by science, DU’s projects benefit waterfowl, wildlife and people in all 50 states. DU is growing its mission through a historic \$3 billion Conservation For A Continent capital campaign, North America’s most extensive campaign dedicated to landscape conservation.

[Link to the online article](#)

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## **Dow and Procter & Gamble to develop a new proprietary recycling technology targeting hard-to-recycle plastic waste**

- ◆ *Vision is to recover polyethylene from hard-to-recycle waste for reuse in consumer packaging.*
- ◆ *Partnership brings together bother companies’ intellectual property to create a novel process with low greenhouse gas emissions footprint.*

[Dow](#) and the [Procter & Gamble Company](#) today announced a joint development agreement (JDA) to create a new recycling technology. The vision is to enable efficient conversion of hard-to-recycle plastic packaging into recycled polyethylene with near-virgin quality and a low greenhouse gas emissions footprint.

To create the new technology, the companies will combine their patented technologies and know-how in the dissolution process. The development program will focus on using dissolution technology to recycle a broad range of plastic materials with a focus on polyethylene and targeting post-household plastic waste (especially rigids, flexible and multi-layer packaging, which are harder to recycle).



The technology aims to deliver high quality post-consumer recycled (PCR) polymer with a lower greenhouse gas emissions footprint than fossil-based polyethylene. P&G anticipates using this PCR polymer in their packaging, thereby enabling a path to circularity which helps maximize resource utility and reduces materials treated as waste.

The global partnership between Dow and P&G begins immediately and is expected to run until commercialization.

In addition to the patented technologies, both Dow and P&G bring decades of expertise in materials science, manufacturing capabilities and large-scale supply chain management. These areas of expertise will be important in the development of this new recycling technology that can be deployed at commercial manufacturing scale.

“Dow is committed to transforming plastic waste into circular solutions that can be made into high quality resins demanded by our customers while helping to accelerate a circular economy. We are excited to work with P&G who has similar sustainability goals and commitment to innovation,” said Dave Parrillo, vice president for Research & Development, Dow Packaging & Specialty Plastics and Hydrocarbons.

"Our partnership with Dow helps P&G advance our objective to scale industry solutions as we help create a circular future where materials are recycled and remade instead of becoming waste," added Lee Ellen Drechsler, senior vice president of Corporate Research and Development at Procter & Gamble.

Both Dow and P&G have bold ambitions to accelerate circularity. Dow has a sustainability target to Transform the Waste and commercialize three million metric tons of circular and renewable solutions by 2030, and P&G's vision is to use 100% consumer packaging designed to be recycled or reusable by 2030.

## **About Procter & Gamble**

P&G serves consumers around the world with one of the strongest portfolios of trusted, quality, leadership brands, including Always®, Ambi Pur®, Ariel®, Bounty®, Charmin®, Crest®, Dawn®, Downy®, Fairy®, Febreze®, Gain®, Gillette®, Head & Shoulders®, Lenor®, Olay®, Oral-B®, Pampers®, Pantene®, SK-II®, Tide®, Vicks®, and Whisper®. The P&G community includes operations in approximately 70 countries worldwide. Please visit <https://www.pg.com> for the latest news and information about P&G and its brands. For other P&G news, visit us at <https://www.pg.com/news>.

[Link to the online article](#)

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## **Beyond Benign and Dow expand collaboration to advance Green Chemistry education**

Dow, a global leader in materials science, and [Beyond Benign](#), a nonprofit organization focused on making green chemistry an integral part of education, announce an expanded multi-year collaboration. Building upon a [foundation of cooperation](#), both organizations aim to advance chemistry education by empowering educators with the tools and resources to incorporate green chemistry into higher education curricula.

The collaboration, fueled by [Dow's](#) commitment to sustainability, will bolster Beyond Benign's initiatives in several key areas:

- ◆ **Expansion of the Green Chemistry Commitment program:** Over the next three years, Beyond Benign plans to accelerate the recruitment of universities globally into its Green Chemistry Commitment (GCC) program, an institutional approach to advancing green chemistry in higher education (currently, more than 160 have joined). This expansion will further the integration of green chemistry principles into academic institutions worldwide.
- ◆ **Design of on-demand professional training in Green Chemistry:** Beyond Benign and Dow will partner with educators to design a cutting-edge on-demand training program focused on green chemistry. This initiative will provide educators and industry professionals with accessible resources to enhance their understanding and teaching of sustainable chemistry practices.
- ◆ **Green Chemistry Education Challenge awards:** Beyond Benign will provide university awards to support the advancement of Green Chemistry in teaching, research and service for 15-30 university educator teams.
- ◆ **Support for Dow employee volunteer opportunities:** Dow employees will have opportunities to engage as advocates, educators and learners in Green Chemistry initiatives, amplifying the impact of this collaboration across communities.



“We are thrilled to have the opportunity to expand our efforts with Dow,” says Amy Cannon, Beyond Benign Co-Founder and Executive Director. “This collaboration will allow us to deepen our connections with educators to provide key resources to train future scientists with the knowledge and skills to design safer chemical products. We will also provide support to universities through educational grants and peer support to enable further adoption of green chemistry in higher education.”

With expanded support from Dow, Beyond Benign aims to collaborate globally, prioritizing relationships with Historically Black Colleges and Universities (HBCUs) and Hispanic-Serving Institutions (HSIs) in the U.S. Beyond Benign seeks to increase participation of Minority-Serving Institutions (MSIs) in the GCC program to enhance the representation of scientists in the green chemistry field, empower faculty to integrate sustainability principles into chemistry education and expand the diversity of the talent pool equipped to address critical sustainability challenges in alignment with UN Sustainable Development Goals.

"Beyond Benign's commitment to advancing green chemistry education is inspiring," says Bob Plishka, global director of Strategic Corporate Partnerships and Dow Company Foundation president. "This collaboration reflects Dow's commitment to sustainability and STEM & skilled trades, empowering educators to instill environmental stewardship in the next generation of scientists."

Growing this collaboration symbolizes a significant stride in transforming chemistry education. Green chemistry places sustainability at the forefront of product and process design, providing the framework for scientists to address sustainability in the design stage of a product lifecycle. Supported by Dow, Beyond Benign launched the GCC 25x25 initiative in 2020, aiming to ensure 25% of graduating U.S. chemists possess green chemistry expertise by 2025. Over 107 U.S. universities, [including many of Dow's academic partners](#), and over 160 universities globally have already joined, highlighting the widespread embrace and impact of green chemistry principles. To learn more about the GCC program and which universities have signed the pledge, please visit Beyond Benign's website: <https://www.beyondbenign.org/he-green-chemistry-commitment/>

### **About Beyond Benign:**

Beyond Benign, a 501(c)3 nonprofit, envisions a world where the chemical building blocks of products used every day are healthy and safe for humans and the environment. Beyond Benign is fostering a green chemistry education community empowered to transform chemistry education for a sustainable future. Beyond Benign's continuum of sustainable science educational programs including, teacher and faculty training and curriculum development from K-20 are helping to build the next generation of scientists and citizens with the skills and knowledge to create and choose products that are safe for human health and the environment. Over the past 17 years, Beyond Benign has an extensive history of service, having trained over 6,500 K-12 teachers in sustainable science and green chemistry,

designed over 200 open-access lessons, reached over 35,000 youth and community members through outreach, & partnered with over 160 universities to transform chemistry education. Together we can catalyze the development of green technological innovations that result in safer products and processes in support of a sustainable, healthy society.

Find us on Twitter [@beyondbenign](#), on Instagram [@beyondbenign](#), and follow us on Facebook [@beyondbenign](#) or LinkedIn: <https://www.linkedin.com/company/beyond-benign-inc/>

[Link to the online article](#)

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## Dow launches bio-circular and circular Propylene Glycol solutions in North America

*Renuva™ and Ecolibrium™ technologies enable two new offerings for a wide range of propylene glycol applications including personal care, cosmetics, pharmaceutical, food ingredients, flavorings, fragrances, agricultural and industrial.*

Dow is proud to announce the launch of two new sustainable varieties of propylene glycol (PG) solutions in North America featuring bio-circular and circular feedstocks. Suitable for a broad range of applications, customers can now offer their high-performance products with externally verified sustainability benefits thanks to a mass balance approach.

The mass balance approach traces the flow of bio-circular and circular materials used to manufacture PG through complex value chains and attributes it based on verifiable bookkeeping; an approach that recently received [ISCC PLUS certification in Freeport, Texas](#).

This achievement marked the first time that a Dow PG manufacturing plant in North America received an ISCC PLUS certification. “We are proud to set a precedent for more sustainable material production in North America, demonstrating our commitment to advancing sustainable production and products for our customers,” said **Thales de Oliveira**, business sustainability leader for the Americas for Dow Polyurethanes. “The demand for circular and bio-circular material for polyurethane end-markets is increasing, and by using our advanced recycling technologies, we can now offer our customers the same high-quality products with increased sustainability benefits.”



### Supporting more sustainable offerings in the PG portfolio

Applying innovative technologies, two new sustainable PG products will now be available in North America, and certified by ISCC PLUS:

- ◆ **Propylene Glycol CIR featuring Renuva™ recycled content** helps customers close the loop and process hard-to-recycle post-consumer and post-industrial waste into sustainable feedstocks.
- ◆ **Propylene Glycol REN featuring Ecolibrium™ bio-circular technology** enables a reduction in the use of fossil fuel-based feedstocks.

The new PG solutions, CIR and REN, are designed to help customers reach their circular and sustainability goals and are suitable for a broad range of applications across industries including personal care, cosmetics, pharmaceutical, food ingredients, flavorings, fragrances, agricultural and industrial.

As Dow accelerates its sustainability journey, it continues to seek out new and innovative ways to incorporate alternative feedstocks, specifically those with bio-circular origins or derived from post-industrial consumer waste, to create more sustainable solutions. The mass balance approach makes use of verifiable bookkeeping to trace and attribute the flow of sustainable materials through complex value chains without changing the production process.

[Link to the online article](#)

Form # 736-02159-01-0424 Dow