

BIO Agriculture & Environment Workstream Structure

For innovative companies using cutting edge biological innovations to develop technologies and products for the agricultural, food, and industrial biotech sectors, BIO has established three application-centered workstreams designed to establish durable commercial marketplace success for these products through sophisticated regulatory and market access strategies. These workstreams are:

1. Biobased Manufacturing
2. Food and Farm Innovation
3. Sustainable Fuels

Within each workstream, BIO members will determine the goals and objectives and drive the strategies needed to speed the development and commercialization of their technologies and applications. In doing so, we will emphasize objectives where BIO can make a unique contribution and meaningful impact for our members – with a primary focus on how we can ensure favorable regulatory and market access systems for the new wave of agricultural, food, and industrial biotech innovations.

Biobased Manufacturing (BBM) – This workstream will focus on technologies used in (non-food) industrial and environmental biotech applications, including renewable chemicals, enzymes, bio-based products, processes, and alternative feedstocks.

Biobased Manufacturing Strategy Committee

Staff Contact: Stephanie Batchelor

Schedule: Three times per year

The Biobased Manufacturing Strategy Committee is responsible for ensuring BIO executes a coordinated, future-looking, and pro-innovation strategy in support of (non-food) biobased products and processes. The Committee looks across regulatory, market access, government affairs, communications, industry, and corporate affairs issues of relevance to this sector – both domestically and internationally. It serves as the primary body to provide recommendations to the Board. The Committee may establish and dismantle working groups and task forces, as appropriate.

Policy Working Groups

Sector-specific policy development, such as the promotion of favorable regulation for renewable chemicals, new policy initiatives surrounding biobased manufacturing, or the establishment of strategies to promote the development of synthetic biology innovations, will take place in sector-specific working groups. They include:

- **BBM Regulatory Policy**
Staff Contact: Erick Lutt
Schedule: Monthly

This working group develops and advocates for new policies and initiatives that broadly support the development and deployment of the bio-based products industry at the federal and state level (excluding specific chemical regulatory and synthetic biology workstreams captured by the working groups described below).

BIO Agriculture & Environment Workstream Structure

- **BBM Market Access**

Staff Contact: Stephanie Batchelor
Schedule: Every other month

This working group will focus on promoting demand for member products through broad stakeholder engagement and relevant policy development.

- **Chemical Regulatory**

Staff Contact: Stephanie Batchelor
Schedule: Monthly

This working group will focus on key chemical regulations impacting membership, such as the Toxic Substances Control Act (TSCA).

- **Synthetic Biology**

Staff Contact: Stephanie Batchelor
Schedule: Monthly

This working group will develop and implement strategies and policies to promote a favorable environment for the development of synthetic biology innovations applicable to this sector.

Tactical Working Groups

Successful execution of the policy strategies developed by the sector-specific policy working groups described above will require coordination with and support from the following tactical working groups:

- **BBM Communications**

Staff Contact: Connor McKoy
Schedule: Monthly

This working group covers all aspects of press and communications work dealing with renewable chemicals, biobased products, and processes.

- **BBM Federal Government Relations**

Staff Contact: Kyle Kunkler
Schedule: Monthly in conjunction with BBM Regulatory Policy

This working group will advocate and achieve biobased manufacturing legislative priorities such as Farm Bill Energy Title program implementation, renewable chemical tax policy, and other low carbon legislative opportunities. Ensures policies enacted create a favorable environment for member company technologies and applications.

- **BBM State Government Relations**

Staff Contact: Gene Harrington
Schedule: TBD

This working group will advocate and achieve biobased manufacturing policy priorities at the state and local level to drive investment and create a favorable environment for member company technologies and applications.

BIO Agriculture & Environment Workstream Structure

Food and Farm Innovation (FFI) - This workstream will focus on state-of-the-art products and technologies used throughout the food, farm, and animal feed supply chain, from agricultural inputs to ingredient applications to whole foods.

Food and Farm Innovation Strategy Committee

Staff Contact: Dana O'Brien

Schedule: Three times per year

The Food and Farm Innovation Strategy Committee is responsible for ensuring BIO executes a coordinated, future-looking, and pro-innovation strategy in support of food and farm biology-based innovations. The Committee looks across regulatory, market access, government affairs, communications, industry and corporate affairs issues of relevance to this sector – both domestically and internationally. It serves as the primary body to provide recommendations to the Boards. The Committee may establish and dismantle working groups and task forces, as appropriate.

Policy Working Groups

Sector-specific policy development, such as the promotion of favorable regulation for fermentation-based food solutions or the establishment of an improved regulatory and marketplace success paradigm for biotech derived plants, animals, and microbes will take place in sector-specific working groups. They include:

- **FFI Fermentation Food-tech**

Staff Contact: Stephanie Batchelor

Schedule: Monthly

This working group will promote favorable regulation of fermentation-based food solutions – from flavors, food ingredients and additives, to enzymes for food processing, proteins, and feed ingredients for animal nutrition, as well as other nutrition and wellness products derived from biotechnology.

- **Animal Feed Task Force**

Staff Contact: Stephanie Batchelor

Schedule: TBD

This task force will focus specifically on regulatory opportunities and challenges within the animal feed sector.

- **FFI Plant Science & Regulatory**

Staff Contact: Clint Nesbitt

Schedule: Monthly

This working group will focus on establishing an improved regulatory paradigm for biotech-derived plants, including transgenic and gene edited. The team leads the development of science-based regulatory policy strategies to drive risk proportionate regulation for these applications for the betterment of industry and consumers.

BIO Agriculture & Environment Workstream Structure

- **FFI Animal Science & Regulatory**

Staff Contact: Clint Nesbitt

Schedule: Monthly

This working group will focus on establishing an improved regulatory paradigm for biotech-derived animals, including transgenic and gene edited. The team leads the development of science-based regulatory strategies to drive risk proportionate regulation for these applications for the betterment of industry and consumers.

- **FFI Market Access**

Staff Contact: Sara Gallo

Schedule: Twice monthly

This working group will focus on promoting demand for member products through broad stakeholder engagement and relevant policy development.

Tactical Working Groups

Successful execution of the policy strategies developed by the sector-specific policy working groups described above will require coordination with and support from the following tactical working groups:

- **FFI Communications**

Staff Contact: Connor McKoy

Schedule: TBD

This working group covers all aspects of press and communications work dealing with Food and Farm Innovation.

- **FFI Federal Government Relations**

Staff Contact: Kyle Kunkler

Schedule: Twice monthly

This working group oversees FFI's legislative and executive branch activities on all issues related to biology-based food and farm innovations, including building and maintaining relationships with policymakers in Congress and the Administration.

- **FFI State Government Relations**

Staff Contact: Gene Harrington

Schedule: TBD

This working group oversees state policy management activities on all issues related to biology-based food and farm innovations, including maintaining relationships with state and regional biotechnology and agribusiness organizations.

BIO Agriculture & Environment Workstream Structure

Sustainable Fuels (SF) - This workstream will focus on technologies that are revolutionizing the fuels sector, including conventional, advanced, and cellulosic biofuels, drop-in fuel replacements, sustainable aviation fuels, and other technologies such as enzymes, microbes, algae, renewable biomass, waste feedstocks, and captured carbon that aid in the development of sustainable fuels.

Sustainable Fuels Strategy Committee

Staff Contact: Stephanie Batchelor

Schedule: Three times per year

The Sustainable Fuels Strategy Committee is responsible for ensuring BIO executes a coordinated, future-looking, and pro-innovation strategy in support of the fuels sector, including conventional, advanced, and cellulosic biofuels, drop-in fuel replacements, sustainable aviation fuels, and other technologies such as enzymes, microbes, algae, renewable biomass, waste feedstocks, and captured carbon that aid in the development of sustainable fuels. The Committee looks across regulatory, market access, government affairs, communications, industry, and corporate affairs issues of relevance to this sector – both domestically and internationally. It serves as the primary body to provide recommendations to the IES Board. The Committee may establish and dismantle working groups and task forces, as appropriate.

Policy Working Groups

Sector-specific policy development, such as pursuing new policies like low carbon fuel standards, tax incentives, and research and development initiatives, will take place in sector-specific working groups. They include:

- **SF Regulatory Policy**
Staff Contact: Erick Lutt
Schedule: Monthly

This working group develops federal policies and initiatives to incentivize the production and consumption of sustainable fuels and addresses regulatory issues impacting the sustainable fuels industry.

- **SF Market Access**
Staff Contact: Stephanie Batchelor
Schedule: Every other month

This working group will focus on promoting demand for member products through broad stakeholder engagement and relevant policy development.

Tactical Working Groups

Successful execution of the policy strategies developed by the sector-specific policy working groups described above will require coordination with and support from the following tactical working groups:

- **SF Communications**
Staff Contact: Connor McKoy
Schedule: Monthly

BIO Agriculture & Environment Workstream Structure

This working group covers all aspects of press and communications work dealing with sustainable fuels.

- **SF Federal Government Relations**

Staff Contact: Kyle Kunkler

Schedule: Monthly

Advocate and achieve sustainable fuels policy priorities to address climate change, air pollution, rural development, and energy security through existing policies like the Renewable Fuel Standard and the exploration of future policy options.

- **SF State Government Relations**

Staff Contact: Gene Harrington

Schedule: Weekly

In conjunction with the Low Carbon Fuels Coalition, this working group supports and executes policy initiatives to promote low carbon fuel standards in different geographies. Provides a coordinate approach to each region to develop and grow the market for advanced and cellulosic biofuels.

Note: For all three workstreams, policy and tactical working groups may operate independently or as part of larger working groups addressing relevant issues on a broader level across the agriculture and environmental workstreams, depending on the goal to be achieved. For example, a BIO climate change policy initiative would require broad-based input.

BIO Agriculture & Environment Workstream Structure

Additional Committee Opportunities

In addition to Committees and Working Groups within the Agriculture and Environment workstreams, there are several other committees that Agriculture and Environment member companies are encouraged to join. Descriptions of these committees, along with some discrete membership requirements for some, are listed below.

- **Agriculture and Environment International Steering Committee**

Staff Contact: Andrew Connor

Schedule: TBD

The staff-level committee oversees international and trade strategies and tactics to advance BIO's goals and objectives across the food and farm innovation, bio-based manufacturing, and sustainable fuels workstreams. The scope of work for this committee and any working group or task force established under its purview includes a focus on supporting the U.S. government and coordinating with like-minded governments on biotechnology issues in trade negotiations, global economic fora and multilateral organizations. Further, the committee supports pro-innovation advocacy within multi-lateral organizations such as the WTO and UN system to advance advocacy related to biotechnology and sustainable development. This committee includes various task forces centered on specific countries or regions in which BIO members may have specific interest and can join.

- **Board-level Workforce Development, Diversity, and Inclusion (WDDI) Committee**

Staff Contact: Joanne Duncan

Schedule: TBD

BIO Board members are permitted to join this committee, which is charged with creating a more globally competitive biotechnology industry by promoting and enhancing workforce development, diversity, and inclusion across emerging, established, and large biotechnology companies. For this purpose, the Committee recognizes a broad definition of diversity, including diversity in both persons (e.g., with regard to race, ethnicity, gender, gender identity, sexual orientation, and disability) and perspectives.

- **Board-level Capital Formation Committee**

Staff Contact: Cartier Esham

Schedule: TBD

BIO Board members are permitted to join this committee, which is charged with developing and overseeing the policy activities of BIO's Emerging Companies Section (ECS) that focus on tax, small business, and other financial services matters aimed at driving investment and capital formation for BIO's emerging company members (those without a product on the market).

- ECS Staff-Level Finance & Tax Committee

Staff Contact: Cameron Arterton

Schedule: Monthly

BIO Agriculture & Environment Workstream Structure

This staff-level Committee concentrates on tax, financial services, securities, and accounting policies that impact member companies and biotech capital formation. This committee advises BIO staff about the impact of legislation and regulations affecting these policy matters and supports BIO's engagement with Treasury, the SEC, and the IRS, as well as Congress and the Administration. Specific financial services areas of interest include the JOBS Act, Sarbanes-Oxley (SOX) Section 404(b), proxy advisory firms, short selling transparency, market structure reform, tick size, accounting and auditing standards, and SEC life science reporting topics. Tax policy emphases include the Orphan Drug Tax Credit, the R&D credit and payroll R&D credit, federal tax treatment of net operating losses (NOLs), qualified small business stock (QSBS) capital gains treatment, and international tax.

- **Intellectual Property Counsels Committee (IPCC)**

Staff Contact: Hans Sauer
Schedule: TBD

This staff-level committee promotes strong, predictable intellectual property (IP) protection and efficient transfer of IP rights for the biotechnology industry domestically and internationally. It is open to in-house patent counsels of all BIO member R&D companies. Law firm patent counsels may join only at the designation of a BIO member company. The Committee is responsible for developing domestic and international intellectual property policy that benefits the biotechnology industry. The Committee reviews and comments on proposed intellectual property legislation and IP-related regulations from federal agencies. The Committee will from time to time approve the filing of amicus briefs in cases that impact the biotechnology industry and develop IP-related position papers, white papers and educational materials.

- **General Counsels Committee**

Staff Contact: Peter McHugh
Schedule: Twice per year

This staff-level Committee provides a forum for the General Counsels from BIO member-companies to build collegial relationships and exchange information, experiences, and best practices relating to a wide variety of legal and law department issues. Among others, these may include the development and organization of General Counsel offices, corporate governance, securities, antitrust, supervision of outside counsel, and other practice management activities. Participation is open to in-house counsel of member companies.

- **BIO World Congress Advisory Committee**

Staff Contact: Sarah Arth
Schedule: TBD

This staff-level committee provide guidance to BIO on event strategy and helps guide the development of a program that showcases a broad range of topics and technologies, reflecting emerging trends and issues. The Committee also plays an integral role in attracting new stakeholders to participate in BIO World Congress.