

U.S. DEPARTMENT OF  
**ENERGY**

Office of  
**ENERGY EFFICIENCY &  
RENEWABLE ENERGY**

**BIOPRODUCTS**

are already  
part of our

**EVERYDAY LIFE**



MADE WITH  
**BIOMASS**

**Bioenergy Technologies Office Impacts**



Biomass can be used to produce a range of personal care products, such as skin cream, shampoo, mascara, and more. For example, the palmitic acid that gives your hair that glossy shine after you condition it is one of the most common plant acids used to make these products. The Department of Energy's Bioenergy Technologies Office is investing in technologies that will reduce costs and optimize the performance of these bioproducts.



Bioproducts are everyday products, materials, and chemicals derived from renewable plant and waste resources. When bioproducts are produced alongside biofuels, profits from the sale of bioproducts can help offset the costs of biofuels production. This contributes to more affordable and reliable domestic energy choices.

**Learn more at [energy.gov/eere/bioenergy](https://energy.gov/eere/bioenergy)**