

**S. 999, Sustainable Chemistry Research and Development Act of 2019**

 As ordered reported by the Senate Committee on Commerce, Science, and Transportation  
 on November 13, 2019

By Fiscal Year, Millions of Dollars	2020	2020-2024	2020-2029
Direct Spending (Outlays)	0	0	0
Revenues	0	0	0
Increase or Decrease (-) in the Deficit	0	0	0
Spending Subject to Appropriation (Outlays)	2	14	not estimated
Statutory pay-as-you-go procedures apply?	No	<b>Mandate Effects</b>	
Increases on-budget deficits in any of the four consecutive 10-year periods beginning in 2030?	No	Contains intergovernmental mandate?	No
		Contains private-sector mandate?	No

S. 999 would direct the Office of Science and Technology Policy (OSTP) to establish an interagency entity—with representation from at least nine federal agencies—to coordinate federal programs and activities in sustainable chemistry. The bill would require the entity to consult with stakeholders, develop metrics to assess sustainable chemistry, and report to the Congress on related initiatives and priorities. Participating agencies also would be required to incorporate sustainable chemistry into existing programs for research and development, demonstration, technology transfer, commercialization, and education and training.

Using information from the Government Accountability Office, CBO expects that many agencies are already conducting activities similar to those required under the bill.<sup>1</sup> On that basis, and using information from OSTP and several of the affected agencies, CBO estimates that each of the nine agencies and OSTP would require, on average, two additional employees at an average annual cost of \$150,000 each to manage and participate in the interagency entity. CBO estimates that implementing S. 999 would cost \$2 million in 2020 and \$14 million over the 2020-2024 period; such spending would be subject to the availability of appropriated funds.

1. See Government Accountability Office, *Chemical Innovation: Technologies to Make Processes and Products More Sustainable*, GAO-18-307 (February 2018), [www.gao.gov/products/GAO-18-307](http://www.gao.gov/products/GAO-18-307).



On November 15, 2019, CBO transmitted a [cost estimate for H.R. 2051](#), the Sustainable Chemistry Research and Development Act of 2019, as ordered reported by the House Committee on Science, Space, and Technology on October 17, 2019. The two bills are similar, and CBO's estimates of their budgetary effects are the same.

The CBO staff contact for this estimate is Janani Shankaran. The estimate was reviewed by H. Samuel Papenfuss, Deputy Assistant Director for Budget Analysis.