

**SESSION 5: ACCOUNTABILITY EXAMPLES**

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3 The purpose of this session is to illustrate with actual examples the concepts and techniques of  
4 oversight and accountability described in Session 4. These examples illustrate (a) the extent to  
5 which publicly available accountability information describes *what actually happens* when the  
6 executive branch implements congressional legislation, and (b) the large number of publicly  
7 available accountability reports that focus on our nation's high-priority programs.

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9 **The US Responds To National Crises.** The examples focus on some of the most challenging  
10 oversight and accountability issues that arise when Congress and the executive branch enact laws  
11 that respond to national crises. A working definition of *crisis* is an event that precipitates a  
12 dangerous and unstable situation affecting a community, region, or entire society. **Acute** crises  
13 such as volcanic eruptions can occur within hours and span regional- to international- geographic  
14 scales. **Chronic or slow-onset** crises such as environmental health problems are created over  
15 relatively long time-scales. Because acute and chronic crises may affect natural and human-  
16 made systems simultaneously, solutions may be very complex and require time-scales ranging  
17 from decades to more than a century. For example:

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It is important to recognize that US legislative responses to national crises frequently embody  
several attributes:

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1. Decisions based on imperfect knowledge and limited time to consult with stakeholders.
2. Creation of federal programs that aim to solve enormously complex challenges.
3. Commitment of significant federal resources to achieve impacts that mitigate the crises.

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These attributes may contribute to accountability challenges and public controversy as federal  
programs try to achieve the ambitious goals established by Congressional legislation. **These  
challenges and issues embody the “so what” question that is integral to our OLLI course.**  
Often this “so what” question includes two important and related components:

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1. Does the government communicate about accountability in an open and objective manner that also is transparent—that is, easily accessible to the public and relevant stakeholders?
2. Does the government's investment of taxpayer resources actually result in effective programs that achieve the national goals identified in Congressional legislation?

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We illustrate these accountability challenges with three examples of the US government response  
to different national crises. Each example applies an accountability lens to describe a complex

1 national program in ten pages or less. Each example also includes several common components:  
2 (a) a problem statement—that is, a statement about the nature of the crisis and the US response;  
3 (b) pertinent information about oversight and accountability information, and (c) discussion of  
4 relevant accountability issues.

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6 **Example 1:** The US response to the global pandemic caused by the SARS-CoV-2 virus.

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8 **1.1 Nature of the Crisis and the US Response.** This accountability example explores the  
9 federal government’s response to the current global pandemic. Across the US, this  
10 unprecedented crisis affects public health, the economy, employment, travel, the social safety  
11 net, and many other aspects of American society.

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13 Most epidemiology experts agree that the SARS-CoV-2 global pandemic originated near Wuhan,  
14 China in late 2019. On January 31, 2020, the US Secretary of Health and Human Services  
15 declared a public health emergency for the United States. A government-wide US federal  
16 response quickly followed the March 10, 2020 declaration by the Director-General of the World  
17 Health Organization (WHO) that the global spread of the SARS-CoV-2 virus should be  
18 characterized as a pandemic. Congress and the President rapidly enacted four public laws by the  
19 end of June 2020, a fifth law in December 2020, and a sixth law in March 2021. These laws aim  
20 to protect public health, stimulate the economy, and reduce the pandemic’s impact on  
21 Americans.<sup>1</sup> The six laws are the:

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23 1. Coronavirus Preparedness & Response Supplemental Appropriations Act of 2020 (PL 116-123, March 6, 2020).  
24 2. Families First Coronavirus Response Act (PL 116-127, March 18, 2020).  
25 3. Coronavirus Aid, Relief, and Economic Security (CARES) Act (PL 116-136, March 27, 2020).  
26 4. Paycheck Protection Program and Health Care Enhancement Act (PL 116-139, April 24, 2020).  
27 5. Consolidated Appropriations Act (PL 116-260, December 27, 2020).  
28 6. American Rescue Plan Act of 2021 (Public Law 117-2, March 11, 2021).

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30 Simply stated, these laws authorize about \$5.3 trillion in federal funds for new and existing  
31 federal programs to help individuals, businesses, and governments across the country by  
32 providing:

- 33 • Payments to governments and healthcare providers to prepare for and respond to the pandemic.  
34 • Changes to the “safety net” and enhanced unemployment benefits to help those individuals in need.  
35 • Economic impact payments to households to supplement lost income and encourage spending.  
36 • Loans and grants to small businesses primarily to help them maintain their payroll.  
37 • Educational support primarily for K-12 public schools with some support also for colleges and private schools.

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39 The federal response to the pandemic is government-wide: at least ninety-three federal agencies<sup>2</sup>  
40 have implemented the new and existing programs authorized by provisions in these public laws.  
41 A partial list of federal agencies with the highest-priority roles includes: the Department of  
42 Health and Human Services, especially the National Institutes of Health the Centers for Disease

1 Control and Prevention, and the Food and Drug Administration; the Federal Reserve; the  
2 Departments of the Treasury; Defense, State, Labor, and Transportation; as well as the  
3 Congressional Budget Office (CBO), the Government Accountability Office (GAO), and the  
4 departmental Offices of Inspectors General (OIGs). The White House Coronavirus Task Force is  
5 responsible for coordinating this government-wide response—not only at the federal level but  
6 also with state, Tribal, and local governments.

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8 **1.2 Oversight and Accountability Information.** Because of the unprecedented nature of the  
9 pandemic and the legislative response, Congress mandated extensive oversight of and  
10 accountability for coronavirus-related spending and programs through both traditional and novel  
11 federal oversight entities. In addition, journalists and news organizations are contributing  
12 valuable accountability-related information. Traditional federal oversight and accountability  
13 organizations include GAO, CBO, and the OIGs. Novel oversight organizations include several  
14 *ad hoc* entities:

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16 1. The **Special Inspector General for Pandemic Recovery** oversees the spending by the Department of the  
17 Treasury (Treasury). This entity has published its first report to Congress,<sup>3</sup> which communicates the actions it  
18 is taking to establish its organization, staff, offices, and infrastructure. The reported actions do not include  
19 oversight or accountability findings.
- 20 2. The **Congressional Oversight Commission** oversees Treasury’s and the Federal Reserve’s implementation of  
21 their emergency pandemic “lending” programs authorized by the four public laws. This committee has  
22 published six reports to Congress through October 29, 2020. The reports describe the actions Treasury and the  
23 Federal Reserve are taking to implement their pandemic lending programs. However, the committee’s reports  
24 do not include oversight or accountability findings.
- 25 3. The **Pandemic Response Accountability Committee (PRAC)** is an independent federal entity created by the  
26 CARES Act. The PRAC presents COVID-19 funding data from USAspending.gov through a variety of  
27 interactive visual displays. The PRAC website is integrated with the website for the Offices of Inspectors  
28 General coordinating council, which is known as the Council of Inspectors General for Integrity and Efficiency.  
29 This council is an independent entity established within the executive branch to address integrity, economy and  
30 effectiveness issues that transcend individual Government agencies.

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32 **Because of the limited nature of the reports by these three *ad hoc* entities, the narrative on**  
33 **pages 5-10 focuses on the traditional oversight organizations: GAO, CBO, and OIG.** On  
34 pages 10-12 we briefly describe accountability-related contributions from journalists and news  
35 organizations.

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37 The oversight and accountability challenge for GAO, CBO, and OIG is best illustrated by the  
38 broad scope and magnitude of the financial provisions in the six public laws. The following  
39 summary is based on analysis and reports by CBO<sup>4 5</sup> and the Peter G. Petersen Foundation.<sup>6</sup> The  
40 simple summary (pages 4-5) and table (page 6), highlight the key elements from many thousands  
41 of pages of text from the enacted legislation:  
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- 1 1. “The **Coronavirus Preparedness and Response Supplemental Appropriations Act** provided \$8.3 billion  
2 in emergency funding for public health agencies and coronavirus vaccine research. That bill appropriated  
3 \$7.8 billion in discretionary funding to federal, state, and local health agencies and authorized \$500 million  
4 in mandatory spending through a change in Medicare.
- 5 2. The **Families First Coronavirus Response Act** provided economic support to those in need. That  
6 legislation, totaling \$192 billion, included a number of key components, including:
  - 7 ▪ Enhancing unemployment insurance benefits
  - 8 ▪ Increasing federal Medicaid and food-security spending
  - 9 ▪ Requiring certain employers to provide paid sick leave as well as family and medical leave (and  
10 expanding tax credits for employers to offset the cost of providing such leave)
  - 11 ▪ Providing free coverage for coronavirus testing under government health programs
- 12 3. The **CARES Act** provided economic support in seven general areas:
  - 13 ▪ Financial Assistance to Large Companies and Governments. Approximately **\$500 billion** will be used  
14 to assist companies that are critical to national security and distressed sectors of the economy. Of that  
15 sum, about \$450 billion will support loans to businesses, states, and municipalities through a new  
16 Federal Reserve lending facility. That support is not expected to increase federal deficits.
  - 17 ▪ Economic support for small businesses. Totaling about **\$380 billion**, that support is largely for the  
18 creation of the Paycheck Protection Program (PPP), which allocated \$349 billion in funding through  
19 the CARES Act to offer as loans to small businesses to help them avoid laying off their workers.  
20 Additionally, portions of the loans spent on payroll, rent, or utilities are eligible for forgiveness.
  - 21 ▪ Direct payments to taxpayers. Taxpayers with annual incomes up to \$75,000 (or \$150,000 for married  
22 couples) will receive payments of \$1,200; that payment amount will gradually phase out for higher  
23 income earners with a cap at an annual salary of \$99,000 (or \$198,000 for married couples). Families  
24 would also receive an additional \$500 per qualifying child. The Joint Committee on Taxation estimates  
25 that this provision would require about **\$290 billion** in funding.
  - 26 ▪ Further expansion of unemployment benefits. Such benefits would be significantly expanded under the  
27 legislation — extending unemployment insurance by 13 weeks, boosting benefits by up to \$600 per  
28 week for four months, and expanding eligibility requirements to include more categories of workers.  
29 CBO estimates that such an expansion would cost about **\$270 billion**.
  - 30 ▪ Federal aid to hospital and healthcare providers. About **\$150 billion** would be provided to help  
31 hospitals, community health centers, and other healthcare providers prepare for and respond to the  
32 pandemic.
  - 33 ▪ Various tax incentives (about **\$300 Billion**). Businesses will be allowed to defer payroll taxes, which  
34 fund Social Security and Medicare. A number of other tax benefits will also be provided; the largest  
35 effect would stem from the ability of individual taxpayers to use business losses in recent years to  
36 offset nonbusiness income.
  - 37 ▪ Support to state, local, and territorial governments. About **\$150 billion** provides aid to governments to  
38 help them respond to the pandemic.
- 39 4. The **Paycheck Protection Program and Healthcare Enhancement Act** provided more economic support  
40 (**\$483 billion in total**) for small businesses. The Act provides an additional \$383 billion in economic  
41 support for small businesses (\$321 billion to replenish the PPP, \$60 billion for emergency lending for small  
42 businesses, and \$2 billion for salaries and expenses to administer such programs), another \$75 billion in  
43 funding for hospitals, and about \$25 billion to fund more testing for the pandemic.”
- 44 5. The **Consolidated Appropriations Act** included \$868 billion in six general categories of federal support to  
45 help mitigate the economic impact of the COVID-19 pandemic:
  - 46 ▪ **Aid to small businesses (\$302 billion)**. The CARES Act created the Paycheck Protection  
47 Program (PPP), which provided loans to small businesses that were impacted by the broad economic  
48 shutdowns that were meant to mitigate the spread of the pandemic. The latest package allows small

- 1 businesses to receive a second round of PPP loans and ensures that such assistance will not be taxed.  
2 This category also includes Economic Injury Disaster Loan advances and emergency grants to  
3 entertainment venues.
- 4 ▪ **Direct payments to individuals (\$164 billion).** Individuals making up to \$75,000 per year will  
5 receive a payment of \$600, with an additional \$600 for each dependent child. All payments phase out  
6 at higher incomes
  - 7 ▪ **Increased unemployment benefits (\$119 billion).** The earlier relief legislation provided several  
8 enhancements to unemployment insurance benefits that were ultimately allowed to expire. The current  
9 package restores those enhancements, albeit at more modest levels. It adds \$300 per week to  
10 unemployment benefits, continues “gig” worker eligibility for unemployment benefits, and lengthens  
11 the maximum period that a worker can collect unemployment to 50 weeks.
  - 12 ▪ **Aid for schools (\$82 billion).** About two-thirds of the total amount is for grants to public K-12  
13 schools, and most of the remainder is for grants to higher education.
  - 14 ▪ **Health-specific measures (\$78 billion).** Included in this category is \$29 billion designated for the  
15 procurement and distribution of coronavirus vaccines and treatments and \$22 billion for testing,  
16 tracing, and mitigation of coronavirus. An additional \$14 billion will support healthcare providers and  
17 bolster mental health services, and the National Institutes of Health will receive \$1 billion to engage in  
18 further coronavirus research.
  - 19 ▪ **Other measures (\$123 billion).** The legislation also includes funding for transportation, increased  
20 food stamp benefits, additional childcare assistance, rental assistance, and other programs.
- 21 6. The **American Rescue Plan of 2021** provides an additional **\$1.9 trillion** of federal relief in a variety of  
22 areas. Some of the key provisions in this law include:
- 23 ▪ **Funds for small business (\$59 billion).**
  - 24 ▪ **Direct payments to individuals (\$411 billion).** Payments of \$1,400 will be sent to individual  
25 taxpayers earning up to \$75,000 (\$2,800 for married couples earning up to \$150,000), plus an  
26 additional \$1,400 per qualified child. The payment will phase out for incomes up to \$80,000 (\$160,000  
27 for married couples).
  - 28 ▪ **Direct aid to state, local, and tribal governments (\$362 billion).** The law includes additional support  
29 to such governments to help them respond to the pandemic.
  - 30 ▪ **Extension of unemployment benefits (\$203 billion).** The unemployment programs currently in place,  
31 including the additional \$300 weekly unemployment benefit, will be extended through September 6,  
32 2021.
  - 33 ▪ **Tax incentives (\$176 billion).** The legislation significantly enhances existing tax credits, mostly for  
34 one year. The Child Tax Credit will increase from \$2,000 per child to \$3,000 (\$3,600 for children  
35 under 6) and the maximum benefit for childless households under the Earned Income Tax Credit will  
36 grow from \$543 to \$1,502 and be extended so more individuals can claim the benefit. Other tax  
37 credits, such as the Employee Retention Credit, are also extended or enhanced.
  - 38 ▪ **Public health-specific measures (\$174 billion).** The law provides funding for vaccine distribution,  
39 COVID-19 testing, contact tracing, and other public health measures. It also includes provisions to  
40 lower healthcare premiums and expand coverage for certain workers.
  - 41 ▪ **Educational support (\$170 billion).** The majority of the support is to help K-12 schools safely  
42 reopen; colleges and other higher-education institutions will also receive funding.
  - 43 ▪ **Other Programs (\$301 Billion).** The legislation also includes additional funding for small businesses,  
44 emergency rental assistance, mortgage assistance, and relief to prevent homelessness.
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Table 1

Cost of Six Laws Enacted to Provide COVID-19 Relief <sup>7</sup>

(Data for FY2021 is through March 31, 2021)

	Category of COVID-19 Relief	Cost of COVID-19 Relief Provided So Far	Cost of American Rescue Plan	Total Cost of COVID-19 Relief (2020-21)
1	Support for Small Businesses	\$ 909 Billion	\$ 59 Billion	\$ 968 Billion
2	Economic Stimulus Payments	\$ 456 Billion	\$ 411 Billion	\$ 867 Billion
2	Expanded Unemployment Compensation	\$ 561 Billion	\$ 203 Billion	\$ 764 Billion
3	Public Health and Related Spending	\$ 483 Billion	\$ 174 Billion	\$ 657 Billion
4	Tax Incentives	\$ 390 Billion	\$ 176 Billion	\$ 566 Billion
6	Direct Aid to Governments	\$ 150 Billion	\$ 362 Billion	\$ 512 Billion
7	Educational Support	\$ 112 Billion	\$ 170 Billion	\$ 282 Billion
8	Other Relief	\$ 418 Billion	\$ 301 Billion	\$ 719 Billion
9	<b>TOTAL COST</b>	<b>\$3,479 Billion</b>	<b>\$1,856 Billion</b>	<b>\$5,335 Billion</b>

**GAO Oversight & Accountability.** The CARES Act directs GAO to: (a) provide oversight support to Congress on the pandemic and its effects while the executive branch implements provisions of the four pandemic-related public laws, (b) submit a report within 90 days of enactment about ongoing GAO pandemic monitoring and oversight efforts, and (c) report bimonthly on its ongoing monitoring and oversight efforts<sup>8</sup> including review of spending data to identify potential waste, fraud, and abuse, and (d) report about the effect of the pandemic on public health and the economy.

GAO is able to monitor, assess, and oversee actions of the White House Coronavirus Task Force and federal agencies by using a hybrid approach that integrates information from: (1) the strategic goals and objectives for the six public laws (e.g., to protect public health, stimulate the economy, and reduce the pandemic's impact on Americans); (2) direct interactions with and monitoring of data from the White House Coronavirus Task Force and from federal agencies; and (3) lessons learned from previous federal crises, emergencies, and disasters. GAO's ability to draw on previous experience with federal crises is particularly valuable and enables it to pursue an approach similar to the *formative evaluation* method (discussed in our narrative for Session 4). This GAO hybrid approach results in feedback during early stages of program implementation and can compare early actions with important lessons learned to help improve federal programs and their progress to achieve performance goals and outcomes.

The GAO coronavirus website identifies eighteen coronavirus reports published through the end of March 2021; these reports include recommendations to Congress about improving oversight and accountability for many of the largest coronavirus-pandemic-related programs.<sup>9</sup> Among these reports, GAO has published six bi-monthly reports required by the CARES Act (through March 31, 2021). These bi-monthly reports<sup>10</sup> and accompanying testimony by the US Comptroller General<sup>11</sup> make a total of seventy-two recommendations for Congressional

1 consideration to improve the federal pandemic response and recovery efforts. Only six of these  
2 recommendations have been implemented as of March 31, 2021. Ten important highlights from  
3 the bi-monthly reports are described below:  
4

- 5 1. The five public laws enacted in FY2020 required federal agencies and their employees to provide  
6 immediate assistance. This resulted in an unprecedented level of dedication, resilience, and agility among  
7 the federal workforce, including those serving on the front lines, to quickly establish services. Consistent  
8 with the urgency of responding to serious and widespread pandemic health and economic disruptions,  
9 agencies have given priority to moving swiftly where possible to distribute funds and implement new  
10 programs. In moving quickly, however, agencies made trade-offs, and thus have made only limited  
11 progress so far to achieve transparency and accountability goals and to reduce systemic risk for fraud,  
12 waste, and abuse.  
13
- 14 2. Clear, consistent communication by federal leaders—among all levels of government, with health care  
15 providers, and to the public—is key to responding effectively to the pandemic.  
16
- 17 3. Measuring, collecting, and analyzing adequate and reliable data are essential actions that will inform  
18 decision-making, future preparedness, and midcourse changes—during future waves of pandemic  
19 infections, for example.  
20
- 21 4. The Centers for Disease Control and Prevention (CDC) encountered problems in developing (a) a standard  
22 COVID-19 detection method for use across the nation, and (b) standard guidance for analyzing and  
23 reporting test data from federal, state, local, and Tribal health organizations. As a result, it was difficult to  
24 track and understand the number of infections especially during the vital early stage of virus transmission  
25 in the US, to mitigate effects, and to inform decisions on closing or reopening communities.  
26
- 27 5. The nation was not prepared to meet the need for essential supplies to respond to COVID-19 infections.  
28 As the pandemic spread across the US, the demand for these supplies quickly exceeded even the quantity  
29 contained in the Strategic National Stockpile, which is designed to supplement federal, state, and local  
30 supplies during public health emergencies. Although HHS has worked with the Federal Emergency  
31 Management Agency and the Department of Defense to increase the availability of essential supplies,  
32 serious concerns remain about the distribution, acquisition, and adequacy of supplies now and in the  
33 future.  
34
- 35 6. Federal agencies should take a number of actions to improve transparency and accountability— and to  
36 reduce systemic risk for fraud, waste, and abuse—related to federal government funds distributed through  
37 grants and guaranteed federal loans to small business, economic impact payments to individuals, and  
38 unemployment insurance.  
39
- 40 7. The CARES Act created three federally funded temporary programs that expanded eligibility and benefits  
41 for unemployment insurance (UI). These programs involve a federal-state partnership that provides  
42 temporary financial assistance to eligible workers who become unemployed through no fault of their own.  
43 For many reasons, States face many challenges in providing benefits to individuals who file UI claims  
44 because of backlogs in processing a historic large volume of claims as well as other data issues. Although  
45 the US Department of Labor (DOL) is helping state agencies with this challenge, the number of UI claims

1 reported by DOL has not accurately represented the number of individuals claiming benefits. Until DOL  
2 and states are able to develop an accurate methodology, DOL should revise its weekly news releases to  
3 communicate that its unemployment information does not accurately estimate the number of unique  
4 individuals claiming benefits.  
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- 6 8. GAO recommends that Congress take legislative action to require appropriate federal agencies and  
7 stakeholders to develop a national aviation-preparedness plan with safeguards that limit the spread of  
8 communicable disease threats from abroad while simultaneously minimizing any unnecessary interference  
9 with travel and trade.

- 10  
11 9. GAO describes the indicators it is developing in collaboration with the National Academies of Sciences,  
12 Engineering, and Medicine (National Academies) to monitor and assess areas of the public health care  
13 system and the economy impacted by the pandemic. **GAO identifies four elements of the public health  
14 care system affected by the pandemic and describes potential indicators needed to monitor each  
15 element:** (1) population health effects of COVID-19 (indicators: mortality specifically attributed to  
16 COVID-19, and mortality from all causes compared to historical norms); (2) the public health system's  
17 ability to help reduce disease transmission (indicators: the COVID-19 test positivity rate, contact tracing  
18 performance, and COVID-19 testing turnaround time); (3) the health care system's capacity to provide  
19 needed care (indicators: the proportion of staffed intensive care unit (ICU) beds available to treat patients,  
20 and the provision of health services unrelated to COVID-19); and (4) health care sector economic effects  
21 of COVID-19 (indicators: hospital operating margin, hospital financial reserves and investments set aside  
22 for emergencies, health care employment, health care personal consumption expenditures, and volume of  
23 elective procedures). **GAO also identifies six elements of the economy affected by the pandemic and  
24 describes indicators needed to monitor each element:** (1) labor market stress (indicators: initial  
25 unemployment insurance claims, employment-to-population ratio); (2) household financial stress  
26 (indicators: serious delinquency rates for single family mortgage loans, the Consumer Credit Default  
27 Composite Index, Supplemental Nutrition Assistance Program household participation); (3) small business  
28 financial and credit markets (indicators: the Small Business Health Index, underwriting standards on small  
29 business loans); (4) corporate credit markets (indicators: spreads on investment grade corporate bonds);  
30 (5) state and local government finances (indicators: spreads on municipal bonds, changes in state and  
31 local government employment), and (6) the financial condition of the health sector (indicators: changes in  
32 health care sector employment, changes in employment in nursing and residential care facilities, volume of  
33 elective procedures, hospital operating margins, personal consumption expenditures for health care  
34 services, gross domestic product in health care services).  
35

36 GAO points out that use of these indicators to monitor the public health care system and the economy can  
37 help leaders and policymakers frame strategic issues, support public policy choices, and enhance  
38 accountability.  
39

- 40 10. Through the publication of its January 28, 2021 report, GAO has made 44 recommendations to federal  
41 agencies and identified four matters for Congressional consideration to improve the federal response to  
42 COVID-19.<sup>12</sup> GAO indicates that "As of January 2021, 27 of GAO's 31 previous recommendations  
43 remained unimplemented."<sup>13</sup> ... "GAO remains deeply troubled that agencies have not acted on  
44 recommendations to more fully address critical gaps in the medical supply chain. . . . GAO underscores the  
45 importance of developing a well-formulated plan to address critical gaps for the remainder of the  
46 pandemic, especially in light of the recent surge in cases."<sup>14</sup> . . . "In September 2020, GAO stressed the



1 importance of having a plan that focused on coordination and communication and recommended that  
2 HHS, with the support of the Department of Defense, establish a timeframe for documenting and sharing a  
3 national plan for distributing and administering COVID-19 vaccine, and among other things, outline an  
4 approach for how efforts would be coordinated across federal agencies and nonfederal entities. To date,  
5 this recommendation has not been fully implemented. GAO reiterates the importance of doing so.  
6 Effective coordination and communication among federal agencies, commercial partners, jurisdictions,  
7 and providers is critical . . . .”<sup>15</sup>

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9 **CBO Oversight & Accountability.** The Congressional Budget Office (CBO) coronavirus  
10 website<sup>16</sup> provides information about the support it is providing to Congress on (a) the economic  
11 aspects of the four public laws and (b) the rapidly evolving economic and budgetary  
12 consequences of the COVID-19 pandemic. The CBO reports and analyses also support the  
13 legislative process as Congress continues to respond to the pandemic. For example, CBO is  
14 analyzing pandemic-related impacts on the budget, discretionary outlays from appropriations,  
15 impacts on mandatory spending, impacts on revenues, and impacts on the workforce and the  
16 economy. The CBO’s ability to project financial, labor, and economic impacts provides essential  
17 information for Congress about the strategic national impacts of the draft legislation it develops  
18 and ultimately enacts. The five highlights below describe CBO projections and financial  
19 analysis from several of its 2020 reports<sup>17</sup> available from the CBO website:

- 20  
21 1. The 2020 coronavirus pandemic has brought about widespread economic disruption. For example, as a result,  
22 during the second quarter of 2020 real Gross Domestic Product (GDP) contracted at an annual rate of 31.7%,  
23 the largest decline on record. Between January and April 2020, the unemployment rate increased from 4.4% to  
24 14.7% (the highest level since data were first collected in 1948) and sixty-five million claims for unemployment  
25 insurance were filed by the end of April 2020, the largest number of claims on record.  
26
- 27 2. In the near-term, the five public laws enacted in FY2020 in response to the pandemic—which provide financial  
28 support to households, businesses, and state and local governments—will add \$3.1 trillion to the deficit in fiscal  
29 year 2020 and at least \$0.6 trillion in 2021. The \$ 3.1 trillion deficit is more than triple the shortfall recorded in  
30 FY2019. The FY2020 deficit is 14.9 percent of GDP and the largest since 1945. The four public laws enacted  
31 in FY2020 also include credits and incentives that will reduce future federal revenue by about \$ 500 billion  
32 annually from 2020-2030. As a result of the \$ 3.1 trillion deficit, CBO projects that debt held by the public will  
33 reach 100.1% of GDP by the end of FY2020—the highest level since immediately after World War II. By  
34 2023, debt held by the public is projected to reach 107% of GDP, which would be the highest ratio ever  
35 recorded in the United States.  
36
- 37 3. In the near-term, despite these adverse near-term impacts on the deficit and national debt, the financial  
38 provisions of the four laws will offset a significant part of the deterioration in economic conditions brought  
39 about by the pandemic. For example, CBO estimates that absent the four public laws enacted in FY2020, the  
40 FY2020 real GDP would have contracted by 46.2% instead of the actual rate of 31.7%. In other words, from  
41 fiscal year 2020 through 2023, for every dollar that the four public laws add to the deficit, the laws are projected  
42 to increase GDP by about fifty-eight cents.  
43
- 44 4. In the near-term, CBO projects that if current laws generally remain in place, the economic recovery will be  
45 relatively rapid in 2020: during the third quarter of FY2020, real (inflation-adjusted) GDP is expected to grow

1 at a 12.4 percent annual rate in the second half of 2020. Following this initial rapid recovery, the economy  
2 continues to expand in CBO's projections, but it does so at a more moderate rate that is similar to the pace of  
3 expansion over the past decade.  
4

- 5 5. In the long-term, CBO estimates that, as a result of the four public laws and pandemic-related economic  
6 disruption, annual real GDP will be 3.4 percent lower in 2030 on average than CBO projected in January 2020  
7 for 2020-2030. This means that the predicted size of the US economy will decline by \$ 8 trillion during this 10-  
8 year period. The annual unemployment rate, which was projected to average 4.2 percent, is now projected to  
9 average 6.1 percent from 2020-2030. CBO projections indicate that in 2030 the unemployment rate will return  
10 to 4.4%. Additional long-term impacts include an increase in the federal debt, increased costs for American  
11 households and businesses, and a reduction by 1-2 years in the 2035 date by which the social security trust fund  
12 is projected to become insolvent. Although the federal debt will increase, interest rates on federal borrowing  
13 throughout the decade will remain well below the average compared to rates in recent decades.  
14

15 **OIG Oversight & Accountability.** The CARES Act directed OIGs to conduct pandemic-  
16 related audits and investigative activities to prevent and detect fraud, waste, abuse, and  
17 mismanagement; and to mitigate major risks that cut across pandemic-related program and  
18 agency boundaries. Findings from individual OIG reports have been integrated by the Pandemic  
19 Response Accountability Committee and published in two reports to Congress.<sup>18 19</sup> These two  
20 reports describe results from eighty-nine pandemic oversight investigations published in reports  
21 from twenty-six Office of Inspectors General through September 30, 2020.  
22

23 These reports focus on top management and performance challenges for agencies implementing  
24 pandemic-related programs and funds. Because of the magnitude of federal aid that will be  
25 distributed rapidly under emergency conditions—and the extensive use of grants and loans to  
26 disburse funds—effectively managing the programs funded by the four coronavirus laws  
27 presents a challenge for many executive branch agencies. Of course, these factors also increase  
28 the potential risk for fraud, waste, and misuse of funds. Across federal agencies and programs,  
29 the common challenges identified by agency managers and the OIGs are: (a) financial  
30 management of federal aid awarded through CARES Act programs, (b) management of grants,  
31 (c) information technology security and management, and (d) protecting the health and safety of  
32 federal employees while ensuring effective program management. More information about each  
33 management and performance challenge is described in the OIG report to Congress published in  
34 June 2020.<sup>20</sup>  
35

36 **Accountability Contributions from Journalists & News Organizations.** Because of the  
37 unprecedented nature of the pandemic, investigations by journalists and news organizations have  
38 made a number of significant accountability contributions. Several are presented in the following  
39 bullets:  
40

- 41 1. What caused the SARS-CoC-2 pandemic? From a scientific perspective, the disease caused by the SARS-  
42 CoV-2 virus (COVID-19) is a zoonotic disease—that is, a disease capable of being transmitted from  
43 animals to humans. Since the 1940's, scientists have been aware that zoonotic pathogens represent a

1 potentially significant threat to human health. When disease and health effects from a particular pathogen  
2 are serious or fatal, the lack of prior human exposure to this pathogen means humans have no existing  
3 antibodies to defend against the disease. Scientists also know that epidemics caused by zoonotic disease are  
4 occurring with increasing frequency<sup>21 22</sup> because human population growth has altered the land and  
5 ecosystems around us. For example, humans have cleared forests and other natural areas in the developing  
6 world to create spaces for urban areas and settlements, agriculture, and industries. When human activities  
7 reduce the diversity, health, and resilience of habitats and ecosystems, space for wildlife populations is  
8 reduced and natural buffers between human and animal species may be eliminated. Scientists agree that  
9 humans and their impact on the natural world represent a principal cause of zoonotic diseases, epidemics,  
10 and pandemics.<sup>23 24</sup>

- 11
- 12 2. Was the US prepared to respond to a global pandemic? Recognizing the increasing numbers of emerging  
13 zoonotic diseases during the twentieth century, international scientists, philanthropies, and government  
14 leaders concluded that zoonotic diseases represent a high-risk threat to national and international health  
15 security. For this reason, government leaders and leading global health philanthropies supported an  
16 evaluation of government preparedness to identify and respond to emerging zoonotic diseases and  
17 pandemics. This evaluation began in 2015-16 and resulted in the October 2019 publication of a Global  
18 Health Security (GHS) Index.<sup>25</sup> This index represents the first comprehensive assessment and  
19 benchmarking of health security and related capabilities across 195 countries. Among its one hundred forty  
20 questions, the GHS Index evaluates not only countries' capacities, but also the existence of functional,  
21 tested, proven capabilities for stopping outbreaks of zoonotic disease at their source. Among the countries  
22 participating in the GHS Index evaluation, the US ranked first overall<sup>26</sup> as the most prepared nation, with  
23 an index score of 83.5/100. The US also ranked first in five of the six index categories for health security  
24 and the capability to respond to a high-risk threat to health security. In the context of the average score  
25 (40.2/100) among the 195 countries ranked in the GHS Index, the report emphasizes an important overall  
26 finding: "National health security is fundamentally weak around the world. No country is fully prepared  
27 for epidemics or pandemics, and every country has important gaps to address."<sup>27</sup>
- 28
- 29 3. The US ranking as the most prepared nation in the world is a direct result of the US national pandemic  
30 strategy for influenza in 2005 by President George W. Bush. The President was concerned about the  
31 potential for a zoonotic pathogen caused by the influenza virus (the H5N1 avian flu) to infect humans and  
32 cause a global pandemic. In response to this threat, President Bush directed the Homeland Security Council  
33 to coordinate research with appropriate federal agencies and develop a national strategy for pandemic  
34 influenza. He announced the strategy on November 1, 2005 during an address to scientists at the National  
35 Institutes of Health.<sup>28</sup> During this talk, the President indicated that, in creating the strategy, his number  
36 one priority was to save American lives in the event of a pandemic. To save lives, the President  
37 emphasized that health communication was important to ensure "participation of, and coordination by, all  
38 levels of government and segments of society." He pointed out that "To respond to a pandemic, the  
39 American people need to have information to protect themselves and others. In a pandemic, an infection  
40 carried by one person can be transmitted to many other people, and so every American must take personal  
41 responsibility for stopping the spread of the virus." When this national pandemic strategy was published  
42 in May 2006, it emphasized that "The need for timely, accurate, credible, and consistent information that is  
43 tailored to specific audiences cannot be overstated."<sup>29</sup>
- 44
- 45 4. Does the White House pandemic communication focus on what is actually happening during the federal  
46 response to the SARS-CoC-2 pandemic? A recent White House healthcare fact sheet entitled "President  
47 Trump's Historic Coronavirus Response" begins with a prominent quote from the President: "My  
48 Administration will stop at nothing to save lives and shield the vulnerable."<sup>30</sup> However, journalists and

1 news organizations have documented a number of instances during the pandemic when President Trump's  
2 communication and accountability actions undermine credible and consistent communication as well as the  
3 system of independent oversight and public accountability. For example, despite knowing in early  
4 February 2020 that the coronavirus was highly contagious and potentially deadly, the President publicly  
5 minimized its risks.<sup>31</sup> Moreover, repeated actions and comments by the President that he does not wear  
6 face masks undercut recommendations from the Centers for Disease Control and Prevention and created  
7 public confusion about whether masks are needed.<sup>32</sup> From an oversight perspective, the President fired  
8 Glenn Fine, a respected career Inspector General who was selected by a council of inspectors general to be  
9 the Special Inspector General of the Pandemic Response Accountability Committee<sup>33</sup> created by Congress.  
10 The President also indicated that he would not permit the new Special Inspector General to issue certain  
11 oversight reports to Congress "without presidential supervision."<sup>34</sup>  
12

13 **1.3 Accountability Issues.** There are two oversight and accountability concerns associated with  
14 this example. The first concern is that the scope and rapid pace of the US pandemic response  
15 create significant challenges for the federal government's multi-year planning, budgeting, and  
16 accountability framework. Typically, at least a year is required for federal agencies to develop  
17 program design and accountability information for new and expanded programs. This  
18 information includes program plans, program performance measures, program performance  
19 reports, and agency budget requests. In contrast, the six pandemic-related public laws Congress  
20 developed from March 2020 through March 2021 require federal agencies to begin expending  
21 hundreds of billions of dollars within months after the laws were enacted.  
22

23 These circumstances create major oversight and accountability challenges for the federal  
24 agencies themselves and for CBO, GAO, and OIG: without accountability information from the  
25 White House Coronavirus Task Force and federal agencies, how should new and expanded  
26 coronavirus programs be monitored and evaluated during the early stages of implementation—  
27 especially without established performance metrics? Despite these challenges CBO, GAO, and  
28 OIG are able to provide valuable oversight and accountability information. For example, (a)  
29 CBO prepares projections about the national economic and budget impacts of draft legislation or  
30 enacted laws and (b) GAO monitoring of federal programs identifies recommendations, similar  
31 to formative evaluations, to strengthen these programs. Of course, Congress and its oversight  
32 committees are well aware of these challenges when creating pandemic-related legislation—and  
33 typically assume that the executive branch is able to meet the challenges without supplemental  
34 guidance or resources from Congress.  
35

36 The second oversight and accountability concern associated with this example is related to a  
37 foundational accountability principle that national leaders should communicate openly and  
38 transparently about what actually happens when the executive branch implements the laws and  
39 programs authorized by Congress. However, during the SARS-CoV-2 pandemic, a number of  
40 interviews (described on the previous page) indicate that the President has not followed this  
41 principle—and that his actions have undermined objective, open, and transparent communication

1 as well as the federal system of independent oversight and accountability.

2

3 **EXAMPLE 2:** The US response to the Al Qaeda terrorist attacks on 9/11.

4

5 **2.1 Nature of the Crisis and the US Response.** The second example focuses on the acute  
6 domestic crisis created by the four terrorist attacks on the US by Al Qaeda on September 11,  
7 2001. Initially, the goals of the US military response to the terrorist attacks described by  
8 President George W. Bush were to (a) defeat Al Qaeda and the Taliban regime in Afghanistan  
9 that harbored it and (b) destroy Osama bin Laden’s terrorist network.

10

11 Legislation was enacted on September 18, 2001 (the Authorization for Use of Military Force, PL  
12 107-40) which granted the President the authority to use all “necessary and appropriate force”  
13 against those whom the President determined “planned, authorized, committed or aided” the  
14 September 11 attacks. On October 7, 2001 President George W. Bush announced that airstrikes  
15 in Afghanistan targeting Al Qaeda and the Taliban had begun. Within a year of this  
16 announcement, the United States had largely accomplished the goals the President established:  
17 leaders of al-Qaeda and the Taliban were dead, captured or in hiding; and the Taliban-led  
18 Afghanistan government had been removed forcibly. Almost ten years after the September 11<sup>th</sup>  
19 terrorist attack, President Obama announced on May 2, 2011, that Osama bin Laden had been  
20 killed in a raid on a Pakistani compound.

21

22 In contrast to the swift achievement of President Bush’s goals, subsequent actions by Congress  
23 and the President created significant long-term foreign policy and accountability challenges in  
24 Afghanistan for the US and its international partners. Specifically, the Afghanistan Freedom  
25 Support Act of 2002 (PL 107-347, December 2002) authorized assistance and funds for US  
26 civilian and military agencies to help the new Afghanistan government rebuild a secure, stable,  
27 and democratic society. To help implement the programs authorized by this public law, the US  
28 committed significant military, diplomatic, humanitarian, and financial resources over eighteen  
29 years in an attempt to achieve the Afghanistan goals articulated in this legislation.

30

31 **2.2 Oversight and Accountability Information.** To ensure independent and objective  
32 oversight of executive branch military and civilian programs related to Afghanistan, Congress  
33 provided direction to GAO in the Afghanistan Freedom Support Act of 2002. Congress  
34 subsequently created the federal Office of the Special Inspector General for Afghanistan  
35 Reconstruction (SIGAR) in the National Defense Authorization Act for FY 2008 (PL 110-181).  
36 Among their many Afghanistan-related activities, these two agencies examined the  
37 accountability frameworks<sup>35</sup> developed to implement the national goals identified by Presidents  
38 Bush and Obama—that is, the strategies, plans, and reports to Congress which translated  
39 Presidential goals into a framework for the war in Afghanistan and the military and civilian  
40 components of Operation Enduring Freedom:

- 1
- 2 • **Strategies** developed by the US Department of Defense (DOD) include: the Afghan National
- 3 Development Strategy, the U.S. Strategy for Afghanistan and Pakistan, and the Afghanistan and Pakistan
- 4 Regional Stabilization Strategy.
- 5 • **Plans** developed by the US Department of Defense (DOD) include: the Operation Enduring Freedom
- 6 campaign plan, the National Security Council Strategic Implementation Plan, and the U.S. Integrated
- 7 Civilian-Military Campaign Plan (ICMCP). The ICMCP, describes three lines of effort—security,
- 8 governance, and development—that will be implemented by U.S. civilian and military personnel.
- 9 • **Reports to Congress** prepared by DOD were limited to semiannual reports with a focus on “Enhancing
- 10 Security and Stability In Afghanistan,” from 2016 through 2020.
- 11

12 With the exception of the reports to Congress, these strategies and plans have a security  
13 designation as classified documents and are not publicly available. It is important to emphasize  
14 one implication of this classified status: at a minimum, the security-related actions taken by  
15 DOD and national security agencies to prevent new terrorist threats within the United States after  
16 September 11<sup>th</sup> are not identified for reasons of national security. This means that the benefits to  
17 American society of these actions also are not identified.

18  
19 GAO reports to Congress include “Afghanistan: Key Issues for Congressional Oversight” (April  
20 2009) and “The Strategic Framework for U.S. Efforts in Afghanistan” (June 2010). In preparing  
21 the second of these reports, GAO reviewed the executive branch strategies and plans for  
22 Afghanistan<sup>36</sup> and created a simplified strategic framework that included an easy-to-understand  
23 interactive graphic. This graphic communicates an executive summary of oversight issues related  
24 to the strategic goals and programs for securing, stabilizing, and rebuilding Afghanistan. GAO  
25 identifies many of the US programs in Afghanistan as high-risk programs in other reports to  
26 Congress.

27  
28 Acting on some of the GAO oversight issues, in 2014 the SIGAR Inspector General decided to  
29 add a “lessons learned” component<sup>37</sup> to the SIGAR oversight activities, in part at the urging of  
30 DOD General John Allen, State Department Ambassador Ryan Crocker, and other career  
31 military and civilian leaders who had served in Afghanistan. From 2014 through 2018, SIGAR  
32 prepared lessons learned reports based on reviews of thousands of documents and interviews  
33 with more than 400 military and civilian leaders in Afghanistan, Europe, and the United States.  
34 When these SIGAR reports were prepared, none was determined to be confidential. These  
35 reports identified 130 specific policy findings and lessons and made 90 recommendations to  
36 Congress, executive branch leaders, and the Afghan government. SIGAR also identified many  
37 of the US programs in Afghanistan as high-risk programs.

38  
39 Overall, the SIGAR interviews and policy findings indicate that, by adding goals based on the  
40 2002 legislation that include the rebuilding of Afghanistan, the President and Congress set the  
41 US on a path toward a slow-onset crisis. As described in the following paragraphs, this crisis  
42 emerged as a very public accountability debate during 2019-2020, when the public became

1 aware of actual costs to American society of the US investments in Afghanistan. In December  
2 2019, the Washington Post published a series of articles<sup>38 39 40 41</sup> that synthesized key policy  
3 findings from SIGAR's reports--including 428 interviews and 2,000 pages of documents. The  
4 Washington Post also made this information available to the public on-line.<sup>42</sup> The Washington  
5 Post's articles were followed by related articles from the New York Times.<sup>43 44 45 46</sup>

6  
7 In a report issued in 2020, the Congressional Research Service indicates that "In the intervening  
8 18 years [since 2001], the United States has suffered around 2,400 military fatalities in  
9 Afghanistan ... and Congress has appropriated approximately \$137 billion for reconstruction  
10 there.<sup>47</sup> When adjusted for inflation, this US reconstruction investment exceeds its investment in  
11 the Marshall Plan to rebuild Western Europe after World War II and it represents the largest  
12 investment to rebuild a single country in US history.<sup>48</sup> The Washington Post articles identify  
13 very serious questions about federal accountability for this \$137 billion investment of American  
14 taxpayer dollars.<sup>49</sup>

15 "The scale of the corruption [in Afghanistan] was the unintended result of swamping the war zone with far  
16 more aid and defense contracts than impoverished Afghanistan could absorb. There was so much excess,  
17 financed by American taxpayers, that opportunities for bribery and fraud became almost limitless,  
18 according to the interviews. . . . Gert Berthold, a forensic accountant who served on a military task force in  
19 Afghanistan during the height of the war, from 2010 to 2012, said he helped analyze 3,000 Defense  
20 Department contracts worth \$106 billion to see who was benefiting. The conclusion: About 40 percent of  
21 the money ended up in the pockets of insurgents, criminal syndicates or corrupt Afghan officials. . . .  
22 Berthold said the evidence was so damning that few U.S. officials wanted to hear about it."

23  
24 Among the SIGAR interviews, officials who served under Presidents Bush and Obama said that  
25 both leaders failed in their most important task as commanders in chief — to devise clear  
26 strategies with concise, attainable objectives.<sup>50</sup> Because of these failures, military commanders  
27 and diplomats acknowledged they struggled to answer simple but crucial questions such as '*Who*  
28 *is the enemy? Whom can we count on as allies? How will we know when we have won?*' For  
29 example, during one lesson learned interview, General Douglas Lute,<sup>51</sup> (who served as the White  
30 House's Afghan war czar during the Bush and Obama administrations) indicated:

31  
32 "We were devoid of a fundamental understanding of Afghanistan — we didn't know what we were doing," ...  
33 "What are we trying to do here? We didn't have the foggiest notion of what we were undertaking."

34  
35 Because of its limited staff and budget, SIGAR encountered delays in completing the federal  
36 reviews required for clearance before it could publish its lessons learned reports and then share  
37 them with Congress. Ultimately SIGAR published seven lessons learned reports from 2016-  
38 2019.

39  
40 **2.3 Accountability Issues.** This example illustrates the significant contributions that  
41 journalists and their organizations occasionally make to a public discussion about accountability.  
42 In 2019, the Washington Post published the results of an Afghanistan investigation it undertook.

1 This investigation was based on SIGAR documents and interviews which the Washington Post  
2 requested under the Freedom of Information Act (and ultimately acquired after two federal suits).

3  
4 The Washington Post’s analysis of the SIGAR documents concluded that senior U.S. officials—  
5 including several Presidents, their political appointees in the Departments of State and Defense,  
6 and a few military generals—failed to communicate accurately about the war in Afghanistan  
7 over a time frame of decades. The Washington Post’s analysis also concluded that federal  
8 leaders even made false pronouncements about supposed progress and concealed unmistakable  
9 evidence that the war had become unwinnable. Moreover, U.S. leaders and allied officials  
10 admitted the war and reconstruction mission had no clear strategy and poorly defined objectives.  
11 Even John Sopko, the Special Inspector for Afghanistan, acknowledged to the Washington Post  
12 that the SIGAR documents show “the American people have constantly been lied to.”<sup>52</sup>

13  
14 The Washington Post articles underscored, from an accountability context, why the SIGAR  
15 reports, interviews, and documents should matter to the American people—and to their  
16 representatives in Congress:

- 17
- 18 • The US has invested more than \$1 trillion in taxpayer funding in the eighteen years since the war and  
19 reconstruction began. During this time, more than 775,000 American troops deployed to Afghanistan; about  
20 2,400 American soldiers were killed; and more than 20,000 Americans were wounded. If the lifetime medical  
21 costs of these injured and disabled American soldiers are considered, the projected US taxpayer costs for the  
22 war will increase by another \$1 trillion during the next forty years as these wounded and disabled veterans age  
23 and need more medical support.
  - 24
  - 25 • More than 38,000 Afghan civilians have died during the war, with many more injured. Some sources estimate  
26 that nearly 115,000 civilians, members of military forces, humanitarian aid workers and journalists have died  
27 during the war.
  - 28
  - 29 • The Taliban now controls much of Afghanistan and the expanding Taliban control has produced a very large  
30 number of refugees that disrupt or overwhelm the limited Afghan infrastructure throughout the country.
  - 31
  - 32 • As one consequence of US aid to Afghanistan, “The scale of the corruption [in Afghanistan] was the unintended  
33 result of swamping the war zone with far more [American] aid and defense contracts than impoverished  
34 Afghanistan could absorb. There was so much excess, financed by American taxpayers, that opportunities for  
35 bribery and fraud became almost limitless, ... .”<sup>53</sup>
  - 36
  - 37 • Finally, to finance war and reconstruction spending, the United States borrowed heavily and will pay more than  
38 \$600 billion in interest on those loans through 2023.

39  
40 In a December 10, 2019 editorial<sup>54</sup> about these articles, the New York Times Editorial Board  
41 shared reactions by members of Congress to these reports:

42



- 1 • “This is truly shocking. Years and years of half-truths and outright falsehoods,” said Josh Hawley, a senator  
2 from Missouri, in a tweet about the documents. Mr. Hawley is a member of the Armed Services Committee.”  
3
- 4 • “It is deeply troubling to read a report of interviews with U.S. government officials that appear to contradict the  
5 many assurances we have heard at committee hearings that the continuing war in Afghanistan has a coherent  
6 strategy and an end in sight,” Kirsten Gillibrand, a senator from New York, wrote in a letter to the head of the  
7 Armed Services Committee, of which she is a member.”  
8

9 The same New York Times editorial pointedly observed that

10  
11 “America’s failure in Afghanistan may come as a surprise to some Americans. But the Americans who should not be  
12 at all surprised are the members of Congress who voted to launch the war, repeatedly voted to continue funding it  
13 and have been absent without leave in their duty to oversee its progress. ... It is both truly shocking and deeply  
14 troubling that members of Congress, who oversee the military and are privy to classified assessments like those  
15 published by The Post, were surprised by [these] revelations ... .”  
16  
17

18 **EXAMPLE 3:** The US response to the public health crisis created by air pollution, deteriorating  
19 air quality, and adverse human health impacts.  
20

21 **3.1 Nature of the Crisis and the US Response.** The third and final accountability example  
22 focuses on the slow-onset public health crisis created by air pollution, deteriorating air quality,  
23 and their effects on human health in cities and communities across the US.  
24

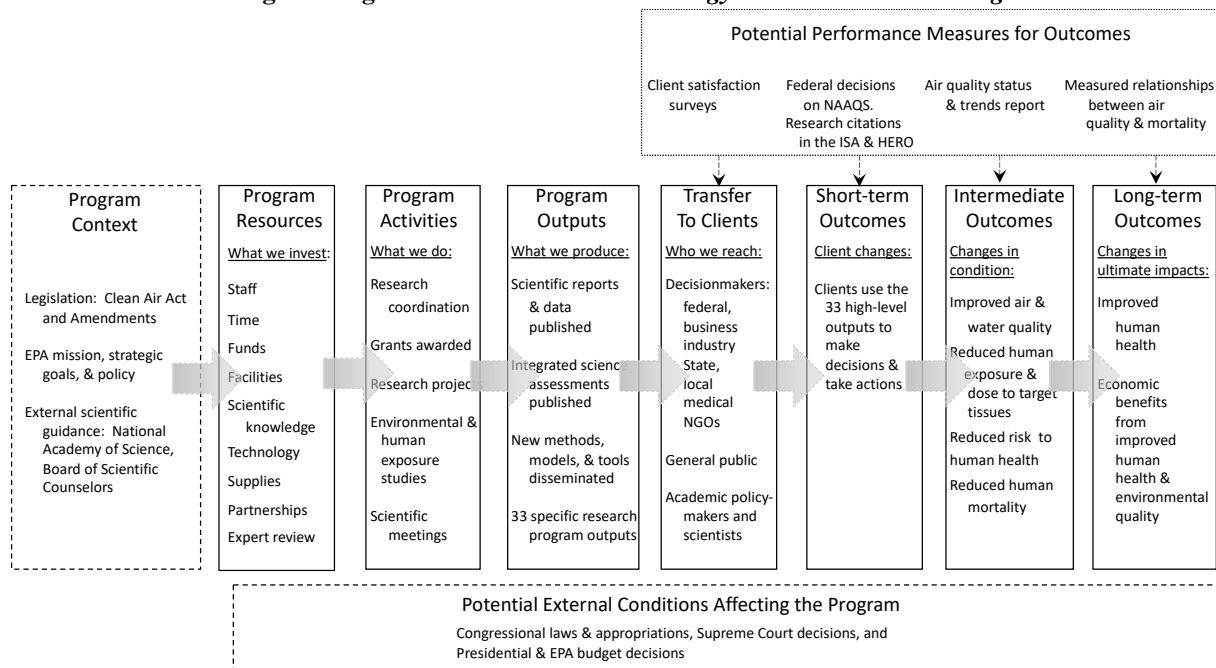
25 In response to growing bipartisan concerns about this crisis in the 1960’s, Congress and the  
26 President enacted the Clean Air Act of 1970 (42 U.S.C. 7401 et seq.). A principal goal of this  
27 law is to ensure that the air in American communities is safe and healthy to breathe. Regarded  
28 as one of the most bipartisan and effective public laws of the 20th century, the Clean Air Act  
29 (CAA) helped the US make substantial progress in improving air quality and human health—  
30 even while millions of people still reside in areas that do not meet national ambient air quality  
31 standards (NAAQS) and while air pollutants continue to damage health and our environment.  
32

33 Among other requirements, the CAA directs EPA to conduct research and scientific assessments  
34 on the causes and effects of air pollution on human health—and directs EPA to formally consider  
35 new scientific knowledge every five years when it determines if its protective health standards  
36 are “requisite” to protect human health.<sup>55</sup> **This accountability example focuses on the federal  
37 research program<sup>56</sup> which informs air quality decisions required by the CAA.** Because of  
38 the significance of these related programs and their impacts, substantial accountability  
39 information has been developed over the decades by the federal government and many  
40 stakeholders—including federal performance measures, multi-year plans, program evaluations,  
41 and independent expert reviews.  
42

1 **3.2 Oversight and Accountability Information.** When developing the CAA, Congress  
 2 recognized that its traditional approach to oversight would not suffice to evaluate complex  
 3 scientific issues. For this reason, Congress included provisions for systematic, science-based  
 4 evaluation in the CAA and its 1977 amendments. Specifically, these provisions required (1)  
 5 periodic assessments about the state of scientific knowledge, now known as “integrated science  
 6 assessments,” every five years, and (2) independent advice from the Clean Air Scientific  
 7 Advisory Committee to inform the EPA Administrator about the results of these integrated  
 8 science assessments. Congress indicated this evaluation approach is intended to inform  
 9 decisions by the EPA Administrator and by the executive, legislative, and judicial branches of  
 10 government.<sup>57</sup>

11  
 12 Given the importance of the CAA legislation and the NAAQS, it is not surprising that a number  
 13 of publicly available, evaluation-relevant reports are available on-line<sup>58 59 60 61 62 63 64 65</sup> to help  
 14 describe and understand the systematic relationships among this federal research program’s  
 15 resources, activities, outputs, clients, outcomes, and impact. One of these reports<sup>66</sup> even includes  
 16 a program logic model that the National Research Council developed to describe and evaluate  
 17 research programs at EPA. We have adapted this logic model to illustrate and describe the  
 18 evaluation aspects of this research program in Figure 1.

19  
 20 **Figure 1**  
 21 **Program Logic Model for the Air and Energy National Research Program**



22  
 23  
 24 In the following paragraphs, we apply this logic model to organize and discuss (on pages 19-23)  
 25 a portion of the relevant evaluation aspects of this research program: its context; outputs;

1 transfer to clients; short-term, intermediate, and long-term outcomes; and performance measures  
2 for outcomes.

3  
4 **Program Context:** From a legislative context, important CAA requirements for research, air  
5 quality, and human health include:

- 6 • The EPA Administrator shall make decisions and promulgate national ambient air quality standards (NAAQS)  
7 which are “requisite to protect the public health with an adequate margin of safety.”
- 8 • These standards “shall accurately reflect the latest scientific knowledge” about “the kind and extent of all  
9 identifiable effects on public health.”
- 10 • EPA shall conduct research “related to the causes, effects (including health and welfare effects), extent,  
11 prevention, and control of air pollution.”
- 12 • EPA shall evaluate, every five years, advances in scientific and research knowledge on the effects of air  
13 pollutants on public health and welfare.
- 14 • EPA shall create a Clean Air Scientific Advisory Committee to provide independent advice to the agency’s  
15 Administrator on the scientific bases for the standards.

16  
17 From a strategic planning context, this research program contributes to the mission of EPA  
18 (protect human health and environmental health) and to its strategic goal and objective of  
19 creating a cleaner, healthier environment for all Americans by improving air quality. In addition,  
20 the program contributes to two other EPA strategic goals and four strategic objectives. Finally,  
21 this research program also has some additional responsibilities under the Energy Independence  
22 and Security Act (EISA) of 2007, the Global Change Research Act (GCRA) of 1990, the Federal  
23 Water Pollution Control Act (FWPCA), and the National Environmental Policy Act (NEPA).

24  
25 From a scientific context, this research program focuses on air pollution, which adversely affects  
26 people’s health and the environment and harms the economy. One component of air pollution,  
27 particulate matter (PM), is recognized as a serious public health concern at levels encountered in  
28 many cities in the United States. Research has shown that human exposure to PM air pollution is  
29 linked to increases in respiratory health problems, hospitalization for heart or lung disease, and  
30 premature death—even while overall air quality has improved in many areas of the nation. The  
31 1970 CAA stated that EPA shall conduct research “related to the causes, effects (including  
32 health and welfare effects), extent, prevention, and control of air pollution.” It specifies inclusion  
33 of “research, testing, and development of methods for sampling, measurement, monitoring,  
34 analysis, and modeling of air pollutants” and research on “the short-term and long-term effects of  
35 air pollutants ... on human health.” Additional research requirements specified in the CAA  
36 include improving “understanding of the short-term and long-term causes, effects, and trends of  
37 ecosystems damage from air pollutants on ecosystems.” Recognizing the importance of the  
38 scientific context for this program, it periodically solicits expert scientific advice from  
39 independent expert entities such as the National Academies of Science, Engineering, and  
40 Medicine.

1 **Program Outputs:** The program’s strategic research plan<sup>67</sup> identifies and describes 33 high-  
2 level strategic research outputs (e.g., grants, research reports) that will be transferred to clients  
3 during FY2019 – FY2022. These 33 outputs have been designed and coordinated with clients  
4 and partners and, when completed, are transferred to clients.

5  
6 **Transfer to Clients:** A partial list of the research program’s “client users” includes scientists,  
7 policymakers, and decisionmakers in: EPA, federal, Tribal, state, and local governments; in  
8 business and industry enterprises; in medical organizations and practices; in academic  
9 organizations; and in the general public.

10  
11 **Short-term Outcomes:** When delivered to clients, the program’s 33 high-level research outputs  
12 are used by the clients to achieve four research objectives (short-term outcomes):

- 13 • Assess human and ecosystem impacts.
- 14 • Expand approaches to prevent and reduce emissions.
- 15 • Advance measurement and modeling.
- 16 • Inform decisions to protect human health and the environment.

17  
18 In many cases, client use of these 33 outputs extends over several years; in one instance, client  
19 use in state implementation planning procedures extends over a seventeen-year cycle.

20  
21 **Intermediate Outcomes:** The research program’s intermediate outcomes result from actions and  
22 decisions by the program’s clients. These client actions and decisions impact both public and  
23 environmental health by contributing to changes in conditions such as reduced emissions of  
24 pollutants, improved air and water quality, reduced human exposure and dose to target tissues,  
25 reduced risk to human health, and reduced human morbidity and mortality. These intermediate  
26 outcomes may be achieved during a timeframe that extends more than a decade after the  
27 program’s short-term outcomes have been achieved.

28  
29 **Long-term Outcomes:** The research program’s long-term outcomes include: improved human  
30 health, economic benefits resulting from improved human health, and improved environmental  
31 quality. The first of these long-term outcomes is directly related to both the mission of EPA and  
32 to two of its strategic goals: to protect human and environmental health and to create a cleaner,  
33 healthier environment for all Americans by improving air quality. Demonstrating that  
34 intermediate outcomes actually result in improved human health also may require a decade after  
35 the program’s intermediate outcomes have been achieved.

36  
37 **Performance Measures for Outcomes:** The research program’s high-level research outputs  
38 and its four short-term outcomes comprise the program’s formal performance-management  
39 measures. EPA assesses the research program’s performance using an ambitious approach—  
40 through the distribution of research evaluation surveys to key client entities that are users of its  
41 research products. This approach provides evidence of how research products are being used, by

1 whom, and the degree of satisfaction clients have with research product quality, usability and  
2 timeliness of delivery. Through this evaluation process, EPA identifies strengths and finds  
3 targeted areas for improvement to its research programs. Because of the burden and complexity  
4 associated with client surveys, the results of EPA client surveys are presented for the entire EPA  
5 portfolio of six national research programs. On page 54 of its Congressional budget  
6 justification,<sup>68</sup> EPA indicates that: “In FY 2019, 79 percent of EPA’s research products met  
7 customer needs, exceeding its performance target of 77 percent. The customers surveyed  
8 currently include EPA program offices, regions and partner federal agencies (including Army  
9 Corps of Engineers, the National Parks Service, DoD, Department of Agriculture, and more).”  
10 Very few federal research programs have developed rigorous program designs such as this,  
11 which use performance-management measures that survey a program’s customers. Instead, most  
12 federal research programs focus generally on their contributions to the “knowledge pool” as  
13 measured by bibliometric analysis of scientific publications in peer-reviewed journals. This  
14 more general focus does not measure whether, when, or how the new knowledge actually is used.  
15

16 In addition to these formal performance metrics, the research program collects other information  
17 and data that may be used to provide a more robust understanding of program performance  
18 across the entire chain of outcomes. For example, available data help the research program  
19 identify use of its outputs in the EPA Integrated Science Assessment (ISA), in decisions about  
20 the NAAQS by the EPA Administrator, and in citations in the Health and Environmental  
21 Research Online (HERO) database of research knowledge and publications used in the ISA.  
22

23 Finally, because this research program has identified the scientific relationships between air  
24 pollution, air quality, and human health, it has contributed (through its research in the 1990’s  
25 and 2000’s) to developing a quantifiable measure that demonstrates a improvement in human  
26 health (life expectancy in the US) when fine-particulate air pollution decreases and air quality  
27 improves.<sup>69</sup> This measure is a strategic outcome for the Environmental Protection Agency that is  
28 directly relevant to its mission of protecting human health. This measure, in turn, contributed to  
29 the quantification of benefits that result from the health-based NAAQS—that is, life-years saved  
30 and the economic value of these life-years.<sup>70</sup>  
31

32 **3.3 Accountability Issues.** Three accountability issues related to this example have emerged in  
33 the five decades since the Clean Air Act was enacted. The first issue is actually a “success  
34 story” that arises because of the sustained support for the federal research program—which has  
35 enabled it to create scientific knowledge that actually quantifies the public health and economic  
36 benefits resulting from the NAAQS and related CAA programs that reduce air pollution for  
37 particulate matter. For example:  
38

39 Since the CAA was enacted in 1970, the NAAQS have contributed to an overall 66 percent decline in air  
40 pollutants. As a result, Americans are living healthier and longer lives. Researchers at the University of  
41 Chicago estimate that reductions in particulate air pollution alone have added 1.6 years to the life

1           expectancy of the average American since 1970.<sup>71</sup> These researchers developed an Air Quality Life Index  
2           which estimates that, if we evaluate the improvements in air quality only for the 214 million Americans  
3           who currently live in communities monitored for particulate matter in 1970 and today, the additional 1.6  
4           additional years in life expectancy is equivalent to a total benefit of about 332 million life-years.<sup>72</sup> By  
5           applying even the most conservative economic estimate for the value of a statistical life-year in the US,<sup>73</sup>  
6           the 332 million life-years is equivalent to an economic benefit in the range of hundreds of trillions of  
7           dollars.  
8

9           It is very unusual for a research program to develop knowledge that helps scientists quantify  
10          such mission-level, long-term outcomes. Thus, this concern about the need to quantify mission-  
11          level impacts motivated the public health and environmental economics research communities to  
12          verify the immense benefits of the CAA provisions for particulate matter health standards.  
13

14          The second accountability issue is an important scientific and public policy issue identified in the  
15          1990's. It was based on potential health effects of very fine airborne particles with a diameter  
16          less than 2.5 microns (known as PM<sub>2.5</sub>) and the extent to which the level of future NAAQS  
17          should be revised to protect the public health against the effects of these fine particles with an  
18          adequate margin of safety. This scientific and public policy issue was considered to be so  
19          important that the President of the United States formally announced his decision in July 1997 to  
20          expand the federal particulate matter research program to develop additional scientific  
21          knowledge related to the issue.<sup>74</sup> The resulting research did provide strong scientific support for  
22          revising the PM<sub>2.5</sub> standard to provide increased public health protection. EPA announced a  
23          revised NAAQS in October 2006.<sup>75</sup> Simply stated, this revision significantly tightened the level  
24          of the 24-hour standard for PM<sub>2.5</sub> from 65 to 35 ug/m<sup>3</sup>.  
25

26          A third accountability concern was created in the past few years when Scott Pruitt, the EPA  
27          Administrator appointed by President Trump, made decisions that undermined the scientific  
28          integrity of systematic agency-level scientific procedures. For example, he changed the  
29          membership of the Clean Air Scientific Advisory Committee (CASAC) during 2017 and 2018.  
30          A number of the new CASAC members appointed by Administrator Pruitt had direct ties to  
31          industries regulated by EPA and had very little knowledge of air pollutant health effects. In  
32          addition, Administrator Pruitt dismissed all members of CASAC's Particulate Matter (PM)  
33          Review Panel on October 12, 2018--immediately after the panel completed a report that  
34          identified new research and scientific knowledge that supported the need for a more stringent  
35          standard. By dismissing all members of this panel, Administrator effectively disbanded it.<sup>76</sup>  
36          This panel had provided expert scientific advice about health effects of PM human exposure to  
37          CASAC for over four decades. Collectively, these actions undermine not only scientific  
38          integrity but also statutory requirements for a thorough and accurate scientific review and  
39          evaluation of the scientific evidence required for NAAQS decision-making.  
40  
41

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